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## 8.1 GSM Output Power

GSM-Full Power-Ant.13								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm )
GSM (GMSK, 1-Slot)	31.99	31.99	31.62	33.50	22.80	22.80	22.43	24.31
GPRS (GMSK, 1-Slot)	31.61	31.55	31.69	33.50	22.42	22.36	22.50	24.31
GPRS (GMSK, 2-Slots)	30.25	30.14	30.25	32.00	24.12	24.01	24.12	<b>25.87</b>
GPRS (GMSK, 3-Slots)	28.05	27.90	28.09	29.50	23.63	23.48	23.67	25.08
GPRS (GMSK, 4-Slots)	26.01	26.00	26.13	28.00	22.83	22.82	22.95	24.82
EGPRS (8PSK, 1-Slot)	26.43	26.13	26.45	28.00	17.24	16.94	17.26	18.81
EGPRS (8PSK, 2-Slots)	24.15	24.17	24.33	26.00	18.02	18.04	18.20	19.87
EGPRS (8PSK, 3-Slots)	21.76	21.67	21.74	23.50	17.34	17.25	17.32	19.08
EGPRS (8PSK, 4-Slots)	20.39	20.30	20.25	22.00	17.21	17.12	17.07	18.82

  

GSM-Full Power-Ant.13								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	29.27	28.94	29.01	30.50	20.08	19.75	19.82	21.31
GPRS (GMSK, 1-Slot)	29.22	28.84	28.86	30.50	20.03	19.65	19.67	21.31
GPRS (GMSK, 2-Slots)	27.29	27.14	27.30	29.00	21.16	21.01	21.17	<b>22.87</b>
GPRS (GMSK, 3-Slots)	24.99	24.79	24.89	26.50	20.57	20.37	20.47	22.08
GPRS (GMSK, 4-Slots)	23.07	23.21	23.12	25.00	19.89	20.03	19.94	21.82
EGPRS (8PSK, 1-Slot)	24.62	24.78	24.79	26.50	15.43	15.59	15.60	17.31
EGPRS (8PSK, 2-Slots)	22.99	22.86	23.04	24.50	16.86	16.73	16.91	18.37
EGPRS (8PSK, 3-Slots)	20.56	20.55	20.74	22.50	16.14	16.13	16.32	18.08
EGPRS (8PSK, 4-Slots)	19.37	19.33	19.47	21.00	16.19	16.15	16.29	17.82

GSM-DSI2&3-Ant.13								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm )
GSM (GMSK, 1-Slot)	30.67	31.02	31.12	32.50	21.48	21.83	21.93	<b>23.31</b>
GPRS (GMSK, 1-Slot)	31.12	31.00	31.15	32.50	21.93	21.81	21.96	<b>23.31</b>
GPRS (GMSK, 2-Slots)	27.37	27.42	27.47	29.00	21.24	21.29	21.34	22.87
GPRS (GMSK, 3-Slots)	24.65	24.64	24.69	26.50	20.23	20.22	20.27	22.08
GPRS (GMSK, 4-Slots)	23.06	23.07	23.11	25.00	19.88	19.89	19.93	21.82
EGPRS (8PSK, 1-Slot)	26.43	26.13	26.45	28.00	17.24	16.94	17.26	18.81
EGPRS (8PSK, 2-Slots)	24.15	24.17	24.33	26.00	18.02	18.04	18.20	19.87
EGPRS (8PSK, 3-Slots)	21.76	21.67	21.74	23.50	17.34	17.25	17.32	19.08
EGPRS (8PSK, 4-Slots)	20.39	20.30	20.25	22.00	17.21	17.12	17.07	18.82
GSM-DSI2&3-Ant.13								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	26.79	26.22	26.34	28.00	17.60	17.03	17.15	18.81
GPRS (GMSK, 1-Slot)	26.90	26.04	26.37	28.00	17.71	16.85	17.18	18.81
GPRS (GMSK, 2-Slots)	23.14	23.04	23.37	25.00	17.01	16.91	17.24	<b>18.87</b>
GPRS (GMSK, 3-Slots)	20.74	20.76	20.96	22.50	16.32	16.34	16.54	18.08
GPRS (GMSK, 4-Slots)	17.55	17.48	17.78	18.00	14.37	14.30	14.60	14.82
EGPRS (8PSK, 1-Slot)	24.62	24.78	24.79	26.50	15.43	15.59	15.60	17.31
EGPRS (8PSK, 2-Slots)	22.99	22.86	23.04	24.50	16.86	16.73	16.91	18.37
EGPRS (8PSK, 3-Slots)	20.56	20.55	20.74	22.50	16.14	16.13	16.32	18.08
EGPRS (8PSK, 4-Slots)	19.37	19.33	19.47	21.00	16.19	16.15	16.29	17.82

GSM-DSI4&5&8&9&10-Ant.13								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm )
GSM (GMSK, 1-Slot)	31.99	31.99	31.62	33.50	22.80	22.80	22.43	24.31
GPRS (GMSK, 1-Slot)	31.61	31.55	31.69	33.50	22.42	22.36	22.50	24.31
GPRS (GMSK, 2-Slots)	30.25	30.14	30.25	32.00	24.12	24.01	24.12	<b>25.87</b>
GPRS (GMSK, 3-Slots)	28.05	27.90	28.09	29.50	23.63	23.48	23.67	25.08
GPRS (GMSK, 4-Slots)	26.01	26.00	26.13	28.00	22.83	22.82	22.95	24.82
EGPRS (8PSK, 1-Slot)	26.43	26.13	26.45	28.00	17.24	16.94	17.26	18.81
EGPRS (8PSK, 2-Slots)	24.15	24.17	24.33	26.00	18.02	18.04	18.20	19.87
EGPRS (8PSK, 3-Slots)	21.76	21.67	21.74	23.50	17.34	17.25	17.32	19.08
EGPRS (8PSK, 4-Slots)	20.39	20.30	20.25	22.00	17.21	17.12	17.07	18.82
GSM-DSI4-Ant.13								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	29.27	28.94	29.01	30.50	20.08	19.75	19.82	21.31
GPRS (GMSK, 1-Slot)	29.22	28.84	28.86	30.50	20.03	19.65	19.67	21.31
GPRS (GMSK, 2-Slots)	27.29	27.14	27.30	29.00	21.16	21.01	21.17	<b>22.87</b>
GPRS (GMSK, 3-Slots)	24.99	24.79	24.89	26.50	20.57	20.37	20.47	22.08
GPRS (GMSK, 4-Slots)	23.07	23.21	23.12	25.00	19.89	20.03	19.94	21.82
EGPRS (8PSK, 1-Slot)	24.62	24.78	24.79	26.50	15.43	15.59	15.60	17.31
EGPRS (8PSK, 2-Slots)	22.99	22.86	23.04	24.50	16.86	16.73	16.91	18.37
EGPRS (8PSK, 3-Slots)	20.56	20.55	20.74	22.50	16.14	16.13	16.32	18.08
EGPRS (8PSK, 4-Slots)	19.37	19.33	19.47	21.00	16.19	16.15	16.29	17.82

GSM-DSI5-Ant.13								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	29.27	28.94	29.01	30.50	20.08	19.75	19.82	21.31
GPRS (GMSK, 1-Slot)	29.22	28.84	28.86	30.50	20.03	19.65	19.67	21.31
GPRS (GMSK, 2-Slots)	25.58	25.58	25.74	27.50	19.45	19.45	19.61	<b>21.37</b>
GPRS (GMSK, 3-Slots)	23.09	23.07	23.06	25.00	18.67	18.65	18.64	20.58
GPRS (GMSK, 4-Slots)	19.64	19.12	19.48	20.00	16.46	15.94	16.30	16.82
EGPRS (8PSK, 1-Slot)	24.62	24.78	24.79	26.50	15.43	15.59	15.60	17.31
EGPRS (8PSK, 2-Slots)	22.99	22.86	23.04	24.50	16.86	16.73	16.91	18.37
EGPRS (8PSK, 3-Slots)	20.56	20.55	20.74	22.50	16.14	16.13	16.32	18.08
EGPRS (8PSK, 4-Slots)	19.37	19.33	19.47	21.00	16.19	16.15	16.29	17.82

GSM-DS18&9&10-Ant.13								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	28.37	28.45	28.65	30.00	19.18	19.26	19.46	20.81
GPRS (GMSK, 1-Slot)	28.19	28.24	28.41	30.00	19.00	19.05	19.22	20.81
GPRS (GMSK, 2-Slots)	25.02	25.00	25.07	27.00	18.89	18.87	18.94	<b>20.87</b>
GPRS (GMSK, 3-Slots)	22.61	22.65	22.67	24.50	18.19	18.23	18.25	20.08
GPRS (GMSK, 4-Slots)	19.42	19.35	19.20	20.00	16.24	16.17	16.02	16.82
EGPRS (8PSK, 1-Slot)	24.62	24.78	24.79	26.50	15.43	15.59	15.60	17.31
EGPRS (8PSK, 2-Slots)	22.99	22.86	23.04	24.50	16.86	16.73	16.91	18.37
EGPRS (8PSK, 3-Slots)	20.56	20.55	20.74	22.50	16.14	16.13	16.32	18.08
EGPRS (8PSK, 4-Slots)	19.37	19.33	19.47	21.00	16.19	16.15	16.29	17.82

## 8.1 GSM Output Power

GSM-Full Power-Ant.31								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm )
GSM (GMSK, 1-Slot)	31.89	31.87	31.71	33.50	22.70	22.68	22.52	24.31
GPRS (GMSK, 1-Slot)	32.10	31.86	31.86	33.50	22.91	22.67	22.67	24.31
GPRS (GMSK, 2-Slots)	30.33	30.19	30.35	32.00	24.20	24.06	24.22	<b>25.87</b>
GPRS (GMSK, 3-Slots)	28.15	28.03	27.93	29.50	23.73	23.61	23.51	25.08
GPRS (GMSK, 4-Slots)	26.15	26.31	26.23	28.00	22.97	23.13	23.05	24.82
EGPRS (8PSK, 1-Slot)	26.18	26.04	26.23	28.00	16.99	16.85	17.04	18.81
EGPRS (8PSK, 2-Slots)	24.28	24.41	24.44	26.00	18.15	18.28	18.31	19.87
EGPRS (8PSK, 3-Slots)	21.99	21.93	22.03	23.50	17.57	17.51	17.61	19.08
EGPRS (8PSK, 4-Slots)	20.06	20.16	20.34	22.00	16.88	16.98	17.16	18.82

  

GSM-Full Power-Ant.31								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	29.02	28.95	29.09	30.50	19.83	19.76	19.90	21.31
GPRS (GMSK, 1-Slot)	29.08	28.96	29.03	30.50	19.89	19.77	19.84	21.31
GPRS (GMSK, 2-Slots)	27.49	27.33	27.17	29.00	21.36	21.20	21.04	<b>22.87</b>
GPRS (GMSK, 3-Slots)	25.18	24.70	24.86	26.50	20.76	20.28	20.44	22.08
GPRS (GMSK, 4-Slots)	23.25	23.17	23.28	25.00	20.07	19.99	20.10	21.82
EGPRS (8PSK, 1-Slot)	24.97	24.56	24.55	26.50	15.78	15.37	15.36	17.31
EGPRS (8PSK, 2-Slots)	23.08	23.00	22.98	24.50	16.95	16.87	16.85	18.37
EGPRS (8PSK, 3-Slots)	20.76	20.63	20.67	22.50	16.34	16.21	16.25	18.08
EGPRS (8PSK, 4-Slots)	19.19	19.49	19.40	21.00	16.01	16.31	16.22	17.82

GSM-DS12&3&4&5&8&9&10-Ant.31								
GSM850 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged power			Tune-up
Channel	128	190	251	Power(dBm)	128	190	251	Power(dBm )
GSM (GMSK, 1-Slot)	31.89	31.87	31.71	33.50	22.70	22.68	22.52	24.31
GPRS (GMSK, 1-Slot)	32.10	31.86	31.86	33.50	22.91	22.67	22.67	24.31
GPRS (GMSK, 2-Slots)	30.33	30.19	30.35	32.00	24.20	24.06	24.22	<b>25.87</b>
GPRS (GMSK, 3-Slots)	28.15	28.03	27.93	29.50	23.73	23.61	23.51	25.08
GPRS (GMSK, 4-Slots)	26.15	26.31	26.23	28.00	22.97	23.13	23.05	24.82
EGPRS (8PSK, 1-Slot)	26.18	26.04	26.23	28.00	16.99	16.85	17.04	18.81
EGPRS (8PSK, 2-Slots)	24.28	24.41	24.44	26.00	18.15	18.28	18.31	19.87
EGPRS (8PSK, 3-Slots)	21.99	21.93	22.03	23.50	17.57	17.51	17.61	19.08
EGPRS (8PSK, 4-Slots)	20.06	20.16	20.34	22.00	16.88	16.98	17.16	18.82
GSM-DS12&3&4&5-Ant.31								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	29.02	28.95	29.09	30.50	19.83	19.76	19.90	21.31
GPRS (GMSK, 1-Slot)	29.08	28.96	29.03	30.50	19.89	19.77	19.84	21.31
GPRS (GMSK, 2-Slots)	27.49	27.33	27.17	29.00	21.36	21.20	21.04	<b>22.87</b>
GPRS (GMSK, 3-Slots)	25.18	24.70	24.86	26.50	20.76	20.28	20.44	22.08
GPRS (GMSK, 4-Slots)	23.25	23.17	23.28	25.00	20.07	19.99	20.10	21.82
EGPRS (8PSK, 1-Slot)	24.97	24.56	24.55	26.50	15.78	15.37	15.36	17.31
EGPRS (8PSK, 2-Slots)	23.08	23.00	22.98	24.50	16.95	16.87	16.85	18.37
EGPRS (8PSK, 3-Slots)	20.76	20.63	20.67	22.50	16.34	16.21	16.25	18.08
EGPRS (8PSK, 4-Slots)	19.19	19.49	19.40	21.00	16.01	16.31	16.22	17.82



GSM-DS18&9&10-Ant.31								
GSM1900 Band	Burst Average Power(dBm)			Tune-up	Frame-Averaged			Tune-up
Channel	512	661	810	Power(dBm)	512	661	810	Power(dBm )
GSM (GMSK, 1-Slot)	29.02	28.95	29.09	30.50	19.83	19.76	19.90	21.31
GPRS (GMSK, 1-Slot)	29.08	28.96	29.03	30.50	19.89	19.77	19.84	21.31
GPRS (GMSK, 2-Slots)	26.96	26.78	26.85	28.50	20.83	20.65	20.72	<b>22.37</b>
GPRS (GMSK, 3-Slots)	24.40	24.19	24.21	26.00	19.98	19.77	19.79	21.58
GPRS (GMSK, 4-Slots)	20.48	20.84	20.94	21.00	17.30	17.66	17.76	17.82
EGPRS (8PSK, 1-Slot)	24.97	24.56	24.55	26.50	15.78	15.37	15.36	17.31
EGPRS (8PSK, 2-Slots)	23.08	23.00	22.98	24.50	16.95	16.87	16.85	18.37
EGPRS (8PSK, 3-Slots)	20.76	20.63	20.67	22.50	16.34	16.21	16.25	18.08
EGPRS (8PSK, 4-Slots)	19.19	19.49	19.40	21.00	16.01	16.31	16.22	17.82

## 8.2 WCDMA Output Power

WCDMA-Full Power-Ant.13				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.21	23.19	23.18	25.00
RMC 12.2Kbps	23.28	23.22	23.31	25.00
HSDPA Subtest-1	22.07	22.27	22.33	24.00
HSDPA Subtest-2	22.37	22.26	22.12	24.00
HSDPA Subtest-3	21.65	21.71	21.73	23.50
HSDPA Subtest-4	21.65	21.69	21.67	23.50
DC-HSDPA Subtest-1	22.27	22.10	22.47	24.00
DC-HSDPA Subtest-2	22.54	22.20	22.21	24.00
DC-HSDPA Subtest-3	21.78	21.67	21.61	23.50
DC-HSDPA Subtest-4	21.77	21.50	21.77	23.50
HSUPA Subtest-1	22.28	22.16	22.28	24.00
HSUPA Subtest-2	20.03	20.16	20.29	22.00
HSUPA Subtest-3	21.26	21.27	21.25	23.00
HSUPA Subtest-4	20.16	20.27	20.39	22.00
HSUPA Subtest-5	22.21	22.25	22.25	24.00
HSPA+	23.02	23.12	23.08	25.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	24.13	24.09	23.73	25.00
RMC 12.2Kbps	24.15	24.11	23.86	25.00
HSDPA Subtest-1	23.17	23.11	23.28	24.00
HSDPA Subtest-2	23.17	23.12	23.31	24.00
HSDPA Subtest-3	22.57	22.56	22.68	23.50
HSDPA Subtest-4	22.52	22.35	22.34	23.50
DC-HSDPA Subtest-1	23.07	23.20	23.19	24.00
DC-HSDPA Subtest-2	23.22	23.16	23.13	24.00
DC-HSDPA Subtest-3	22.64	22.66	22.61	23.50
DC-HSDPA Subtest-4	22.33	22.17	22.42	23.50
HSUPA Subtest-1	23.23	23.10	23.26	24.00
HSUPA Subtest-2	21.19	21.12	21.20	22.00
HSUPA Subtest-3	22.02	22.07	22.10	23.00
HSUPA Subtest-4	20.85	20.98	21.13	22.00
HSUPA Subtest-5	22.90	23.09	23.14	24.00
HSPA+	24.01	24.15	24.02	25.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.78	23.85	23.78	25.00
RMC 12.2Kbps	23.86	23.95	23.80	25.00
HSDPA Subtest-1	23.07	22.97	22.86	24.00
HSDPA Subtest-2	23.18	23.02	22.92	24.00
HSDPA Subtest-3	22.41	22.46	22.65	23.50
HSDPA Subtest-4	22.58	22.41	22.24	23.50
DC-HSDPA Subtest-1	23.17	22.85	22.74	24.00
DC-HSDPA Subtest-2	23.02	23.17	22.80	24.00
DC-HSDPA Subtest-3	22.55	22.26	22.80	23.50
DC-HSDPA Subtest-4	22.66	22.60	22.11	23.50
HSUPA Subtest-1	22.80	22.96	22.97	24.00
HSUPA Subtest-2	20.79	20.96	20.92	22.00
HSUPA Subtest-3	22.02	22.02	21.90	23.00
HSUPA Subtest-4	20.95	20.95	20.79	22.00
HSUPA Subtest-5	23.07	22.96	22.84	24.00
HSPA+	23.89	23.78	23.57	25.00

<b>WCDMA-DSI2&amp;3-Ant.13</b>				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	15.34	15.20	15.30	17.00
RMC 12.2Kbps	15.37	15.50	15.32	17.00
HSDPA Subtest-1	14.18	14.12	14.14	16.00
HSDPA Subtest-2	14.30	14.21	14.00	16.00
HSDPA Subtest-3	13.52	13.67	13.68	15.50
HSDPA Subtest-4	13.68	13.56	13.68	15.50
DC-HSDPA Subtest-1	14.40	14.30	14.28	16.00
DC-HSDPA Subtest-2	14.31	14.14	14.34	16.00
DC-HSDPA Subtest-3	13.65	13.66	13.62	15.50
DC-HSDPA Subtest-4	13.81	13.66	13.75	15.50
HSUPA Subtest-1	14.34	14.19	14.16	16.00
HSUPA Subtest-2	12.19	12.14	12.16	14.00
HSUPA Subtest-3	13.33	13.07	13.38	15.00
HSUPA Subtest-4	12.09	12.23	12.19	14.00
HSUPA Subtest-5	14.23	14.12	14.10	16.00
HSPA+	15.17	15.07	15.04	17.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	15.97	15.81	15.71	17.00
RMC 12.2Kbps	16.03	15.89	15.80	17.00
HSDPA Subtest-1	14.94	14.94	14.85	16.00
HSDPA Subtest-2	14.96	15.07	14.93	16.00
HSDPA Subtest-3	14.39	14.41	14.36	15.50
HSDPA Subtest-4	14.46	14.48	14.46	15.50
DC-HSDPA Subtest-1	15.02	14.94	14.90	16.00
DC-HSDPA Subtest-2	14.97	15.04	14.88	16.00
DC-HSDPA Subtest-3	14.34	14.45	14.48	15.50
DC-HSDPA Subtest-4	14.55	14.38	14.52	15.50
HSUPA Subtest-1	14.98	14.94	14.78	16.00
HSUPA Subtest-2	13.00	12.96	12.87	14.00
HSUPA Subtest-3	13.93	13.93	14.08	15.00
HSUPA Subtest-4	13.11	13.12	12.96	14.00
HSUPA Subtest-5	14.84	15.00	15.12	16.00
HSPA+	15.81	15.84	15.65	17.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	21.77	21.82	21.67	23.00
RMC 12.2Kbps	21.87	21.93	21.78	23.00
HSDPA Subtest-1	20.88	20.95	20.79	22.00
HSDPA Subtest-2	20.85	21.01	21.04	22.00
HSDPA Subtest-3	20.31	20.42	20.53	21.50
HSDPA Subtest-4	20.30	20.43	20.50	21.50
DC-HSDPA Subtest-1	20.89	20.78	20.61	22.00
DC-HSDPA Subtest-2	20.79	20.95	20.93	22.00
DC-HSDPA Subtest-3	20.17	20.51	20.45	21.50
DC-HSDPA Subtest-4	20.28	20.34	20.38	21.50
HSUPA Subtest-1	21.10	20.97	21.08	22.00
HSUPA Subtest-2	19.09	18.89	19.05	20.00
HSUPA Subtest-3	20.12	19.93	19.94	21.00
HSUPA Subtest-4	18.83	18.92	19.02	20.00
HSUPA Subtest-5	20.82	20.96	20.90	22.00
HSPA+	21.67	21.80	21.65	23.00

WCDMA-DSI4-Ant.13				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.21	23.19	23.18	25.00
RMC 12.2Kbps	23.28	23.22	23.31	25.00
HSDPA Subtest-1	22.07	22.27	22.33	24.00
HSDPA Subtest-2	22.37	22.26	22.12	24.00
HSDPA Subtest-3	21.65	21.71	21.73	23.50
HSDPA Subtest-4	21.65	21.69	21.67	23.50
DC-HSDPA Subtest-1	22.27	22.10	22.47	24.00
DC-HSDPA Subtest-2	22.54	22.20	22.21	24.00
DC-HSDPA Subtest-3	21.78	21.67	21.61	23.50
DC-HSDPA Subtest-4	21.77	21.50	21.77	23.50
HSUPA Subtest-1	22.28	22.16	22.28	24.00
HSUPA Subtest-2	20.03	20.16	20.29	22.00
HSUPA Subtest-3	21.26	21.27	21.25	23.00
HSUPA Subtest-4	20.16	20.27	20.39	22.00
HSUPA Subtest-5	22.21	22.25	22.25	24.00
HSPA+	23.02	23.12	23.08	25.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.48	20.33	20.27	21.50
RMC 12.2Kbps	20.58	20.46	20.29	21.50
HSDPA Subtest-1	19.37	19.56	19.59	20.50
HSDPA Subtest-2	19.61	19.57	19.53	20.50
HSDPA Subtest-3	19.12	18.96	18.95	20.00
HSDPA Subtest-4	19.11	18.99	18.90	20.00
DC-HSDPA Subtest-1	19.17	19.60	19.56	20.50
DC-HSDPA Subtest-2	19.70	19.41	19.45	20.50
DC-HSDPA Subtest-3	19.16	18.91	19.05	20.00
DC-HSDPA Subtest-4	19.12	19.05	18.81	20.00
HSUPA Subtest-1	19.50	19.48	19.67	20.50
HSUPA Subtest-2	17.35	17.42	17.51	18.50
HSUPA Subtest-3	18.58	18.52	18.56	19.50
HSUPA Subtest-4	17.62	17.51	17.40	18.50
HSUPA Subtest-5	19.68	19.49	19.61	20.50
HSPA+	20.34	20.12	20.08	21.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.78	23.85	23.78	25.00
RMC 12.2Kbps	23.86	23.95	23.80	25.00
HSDPA Subtest-1	23.07	22.97	22.86	24.00
HSDPA Subtest-2	23.18	23.02	22.92	24.00
HSDPA Subtest-3	22.41	22.46	22.65	23.50
HSDPA Subtest-4	22.58	22.41	22.24	23.50
DC-HSDPA Subtest-1	23.17	22.85	22.74	24.00
DC-HSDPA Subtest-2	23.02	23.17	22.80	24.00
DC-HSDPA Subtest-3	22.55	22.26	22.80	23.50
DC-HSDPA Subtest-4	22.66	22.60	22.11	23.50
HSUPA Subtest-1	22.80	22.96	22.97	24.00
HSUPA Subtest-2	20.79	20.96	20.92	22.00
HSUPA Subtest-3	22.02	22.02	21.90	23.00
HSUPA Subtest-4	20.95	20.95	20.79	22.00
HSUPA Subtest-5	23.07	22.96	22.84	24.00
HSPA+	23.89	23.78	23.57	25.00

WCDMA-DS15&8&9&10-Ant.13				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	19.41	19.32	19.44	21.00
RMC 12.2Kbps	19.43	19.37	19.49	21.00
HSDPA Subtest-1	18.06	18.22	18.35	20.00
HSDPA Subtest-2	18.06	18.20	18.40	20.00
HSDPA Subtest-3	17.73	17.63	17.52	19.50
HSDPA Subtest-4	17.74	17.67	17.55	19.50
DC-HSDPA Subtest-1	18.28	18.22	18.17	20.00
DC-HSDPA Subtest-2	18.07	18.13	18.39	20.00
DC-HSDPA Subtest-3	17.62	17.63	17.65	19.50
DC-HSDPA Subtest-4	17.58	17.75	17.52	19.50
HSUPA Subtest-1	18.06	18.18	18.20	20.00
HSUPA Subtest-2	16.39	16.19	16.39	18.00
HSUPA Subtest-3	17.12	17.08	17.04	19.00
HSUPA Subtest-4	16.15	16.18	16.20	18.00
HSUPA Subtest-5	18.28	18.30	18.17	20.00
HSPA+	19.32	19.25	19.18	21.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.48	20.33	20.27	21.50
RMC 12.2Kbps	20.58	20.46	20.29	21.50
HSDPA Subtest-1	19.37	19.56	19.59	20.50
HSDPA Subtest-2	19.61	19.57	19.53	20.50
HSDPA Subtest-3	19.12	18.96	18.95	20.00
HSDPA Subtest-4	19.11	18.99	18.90	20.00
DC-HSDPA Subtest-1	19.17	19.60	19.56	20.50
DC-HSDPA Subtest-2	19.70	19.41	19.45	20.50
DC-HSDPA Subtest-3	19.16	18.91	19.05	20.00
DC-HSDPA Subtest-4	19.12	19.05	18.81	20.00
HSUPA Subtest-1	19.50	19.48	19.67	20.50
HSUPA Subtest-2	17.35	17.42	17.51	18.50
HSUPA Subtest-3	18.58	18.52	18.56	19.50
HSUPA Subtest-4	17.62	17.51	17.40	18.50
HSUPA Subtest-5	19.68	19.49	19.61	20.50
HSPA+	20.34	20.12	20.08	21.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.78	23.85	23.78	25.00
RMC 12.2Kbps	23.86	23.95	23.80	25.00
HSDPA Subtest-1	23.07	22.97	22.86	24.00
HSDPA Subtest-2	23.18	23.02	22.92	24.00
HSDPA Subtest-3	22.41	22.46	22.65	23.50
HSDPA Subtest-4	22.58	22.41	22.24	23.50
DC-HSDPA Subtest-1	23.17	22.85	22.74	24.00
DC-HSDPA Subtest-2	23.02	23.17	22.80	24.00
DC-HSDPA Subtest-3	22.55	22.26	22.80	23.50
DC-HSDPA Subtest-4	22.66	22.60	22.11	23.50
HSUPA Subtest-1	22.80	22.96	22.97	24.00
HSUPA Subtest-2	20.79	20.96	20.92	22.00
HSUPA Subtest-3	22.02	22.02	21.90	23.00
HSUPA Subtest-4	20.95	20.95	20.79	22.00
HSUPA Subtest-5	23.07	22.96	22.84	24.00
HSPA+	23.89	23.78	23.57	25.00

## 8.2 WCDMA Output Power

WCDMA-Full Power-Ant.31				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.30	23.16	23.31	25.00
RMC 12.2Kbps	23.42	23.28	23.33	25.00
HSDPA Subtest-1	22.04	22.09	22.00	24.00
HSDPA Subtest-2	22.13	22.25	22.27	24.00
HSDPA Subtest-3	21.73	21.54	21.57	23.50
HSDPA Subtest-4	21.53	21.57	21.69	23.50
DC-HSDPA Subtest-1	22.21	22.27	22.14	24.00
DC-HSDPA Subtest-2	22.06	22.09	22.16	24.00
DC-HSDPA Subtest-3	21.68	21.65	21.68	23.50
DC-HSDPA Subtest-4	21.71	21.51	21.50	23.50
HSUPA Subtest-1	22.14	22.00	22.02	24.00
HSUPA Subtest-2	20.22	20.06	20.17	22.00
HSUPA Subtest-3	21.28	21.06	21.04	23.00
HSUPA Subtest-4	20.26	20.06	20.04	22.00
HSUPA Subtest-5	22.28	22.12	22.29	24.00
HSPA+	23.12	23.25	23.05	25.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	24.26	24.25	23.99	25.00
RMC 12.2Kbps	24.30	24.27	24.05	25.00
HSDPA Subtest-1	23.42	23.30	23.38	24.00
HSDPA Subtest-2	23.49	23.30	23.27	24.00
HSDPA Subtest-3	22.80	22.76	22.68	23.50
HSDPA Subtest-4	22.56	22.73	22.53	23.50
DC-HSDPA Subtest-1	23.50	23.16	23.22	24.00
DC-HSDPA Subtest-2	23.29	23.28	23.38	24.00
DC-HSDPA Subtest-3	22.88	22.92	22.87	23.50
DC-HSDPA Subtest-4	22.51	22.79	22.60	23.50
HSUPA Subtest-1	23.46	23.27	23.30	24.00
HSUPA Subtest-2	21.48	21.28	21.47	22.00
HSUPA Subtest-3	22.33	22.27	22.46	23.00
HSUPA Subtest-4	21.22	21.32	21.49	22.00
HSUPA Subtest-5	23.42	23.37	23.37	24.00
HSPA+	24.18	24.12	24.05	25.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.67	23.71	23.54	25.00
RMC 12.2Kbps	23.76	23.69	23.83	25.00
HSDPA Subtest-1	22.92	22.87	22.90	24.00
HSDPA Subtest-2	22.82	22.93	22.94	24.00
HSDPA Subtest-3	22.39	22.33	22.23	23.50
HSDPA Subtest-4	22.23	22.32	22.35	23.50
DC-HSDPA Subtest-1	22.79	22.99	22.82	24.00
DC-HSDPA Subtest-2	22.94	22.90	23.10	24.00
DC-HSDPA Subtest-3	22.59	22.23	22.34	23.50
DC-HSDPA Subtest-4	22.23	22.41	22.45	23.50
HSUPA Subtest-1	23.01	22.84	23.02	24.00
HSUPA Subtest-2	21.00	20.84	20.89	22.00
HSUPA Subtest-3	21.73	21.87	21.68	23.00
HSUPA Subtest-4	20.76	20.81	20.74	22.00
HSUPA Subtest-5	22.82	22.89	22.99	24.00
HSPA+	23.25	23.34	23.42	25.00

WCDMA-DSI2&3-Ant.31				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	23.30	23.16	23.31	25.00
RMC 12.2Kbps	23.42	23.28	23.33	25.00
HSDPA Subtest-1	22.04	22.09	22.00	24.00
HSDPA Subtest-2	22.13	22.25	22.27	24.00
HSDPA Subtest-3	21.73	21.54	21.57	23.50
HSDPA Subtest-4	21.53	21.57	21.69	23.50
DC-HSDPA Subtest-1	22.21	22.27	22.14	24.00
DC-HSDPA Subtest-2	22.06	22.09	22.16	24.00
DC-HSDPA Subtest-3	21.68	21.65	21.68	23.50
DC-HSDPA Subtest-4	21.71	21.51	21.50	23.50
HSUPA Subtest-1	22.14	22.00	22.02	24.00
HSUPA Subtest-2	20.22	20.06	20.17	22.00
HSUPA Subtest-3	21.28	21.06	21.04	23.00
HSUPA Subtest-4	20.26	20.06	20.04	22.00
HSUPA Subtest-5	22.28	22.12	22.29	24.00
HSPA+	23.12	23.25	23.05	25.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	24.26	24.25	23.99	25.00
RMC 12.2Kbps	24.30	24.27	24.05	25.00
HSDPA Subtest-1	23.42	23.30	23.38	24.00
HSDPA Subtest-2	23.49	23.30	23.27	24.00
HSDPA Subtest-3	22.80	22.76	22.68	23.50
HSDPA Subtest-4	22.56	22.73	22.53	23.50
DC-HSDPA Subtest-1	23.50	23.16	23.22	24.00
DC-HSDPA Subtest-2	23.29	23.28	23.38	24.00
DC-HSDPA Subtest-3	22.88	22.92	22.87	23.50
DC-HSDPA Subtest-4	22.51	22.79	22.60	23.50
HSUPA Subtest-1	23.46	23.27	23.30	24.00
HSUPA Subtest-2	21.48	21.28	21.47	22.00
HSUPA Subtest-3	22.33	22.27	22.46	23.00
HSUPA Subtest-4	21.22	21.32	21.49	22.00
HSUPA Subtest-5	23.42	23.37	23.37	24.00
HSPA+	24.18	24.12	24.05	25.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.67	23.71	23.54	25.00
RMC 12.2Kbps	23.76	23.69	23.83	25.00
HSDPA Subtest-1	22.92	22.87	22.90	24.00
HSDPA Subtest-2	22.82	22.93	22.94	24.00
HSDPA Subtest-3	22.39	22.33	22.23	23.50
HSDPA Subtest-4	22.23	22.32	22.35	23.50
DC-HSDPA Subtest-1	22.79	22.99	22.82	24.00
DC-HSDPA Subtest-2	22.94	22.90	23.10	24.00
DC-HSDPA Subtest-3	22.59	22.23	22.34	23.50
DC-HSDPA Subtest-4	22.23	22.41	22.45	23.50
HSUPA Subtest-1	23.01	22.84	23.02	24.00
HSUPA Subtest-2	21.00	20.84	20.89	22.00
HSUPA Subtest-3	21.73	21.87	21.68	23.00
HSUPA Subtest-4	20.76	20.81	20.74	22.00
HSUPA Subtest-5	22.82	22.89	22.99	24.00
HSPA+	23.25	23.34	23.42	25.00

WCDMA-DSI4&5-Ant.31				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	21.06	21.22	21.01	23.00
RMC 12.2Kbps	21.07	21.26	21.03	23.00
HSDPA Subtest-1	20.06	20.02	20.29	22.00
HSDPA Subtest-2	20.24	20.05	20.23	22.00
HSDPA Subtest-3	19.54	19.79	19.69	21.50
HSDPA Subtest-4	19.59	19.78	19.60	21.50
DC-HSDPA Subtest-1	20.07	20.17	20.19	22.00
DC-HSDPA Subtest-2	20.26	20.12	20.09	22.00
DC-HSDPA Subtest-3	19.76	19.64	19.81	21.50
DC-HSDPA Subtest-4	19.52	19.74	19.67	21.50
HSUPA Subtest-1	20.12	20.25	20.07	22.00
HSUPA Subtest-2	18.06	18.24	18.12	20.00
HSUPA Subtest-3	19.17	19.04	19.23	21.00
HSUPA Subtest-4	18.12	18.29	18.06	20.00
HSUPA Subtest-5	20.29	20.28	20.12	22.00
HSPA+	21.02	21.11	21.05	23.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	20.23	20.21	20.01	21.00
RMC 12.2Kbps	20.27	20.24	20.31	21.00
HSDPA Subtest-1	19.30	19.30	19.29	20.00
HSDPA Subtest-2	19.39	19.33	19.53	20.00
HSDPA Subtest-3	18.76	18.74	18.63	19.50
HSDPA Subtest-4	18.62	18.74	18.63	19.50
DC-HSDPA Subtest-1	19.31	19.19	19.33	20.00
DC-HSDPA Subtest-2	19.56	19.16	19.36	20.00
DC-HSDPA Subtest-3	18.68	18.57	18.61	19.50
DC-HSDPA Subtest-4	18.59	18.92	18.48	19.50
HSUPA Subtest-1	19.35	19.30	19.24	20.00
HSUPA Subtest-2	17.32	17.23	17.15	18.00
HSUPA Subtest-3	18.16	18.28	18.42	19.00
HSUPA Subtest-4	17.27	17.16	17.09	18.00
HSUPA Subtest-5	19.16	19.31	19.29	20.00
HSPA+	20.02	20.01	19.89	21.00
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.67	23.71	23.54	25.00
RMC 12.2Kbps	23.76	23.69	23.83	25.00
HSDPA Subtest-1	22.92	22.87	22.90	24.00
HSDPA Subtest-2	22.82	22.93	22.94	24.00
HSDPA Subtest-3	22.39	22.33	22.23	23.50
HSDPA Subtest-4	22.23	22.32	22.35	23.50
DC-HSDPA Subtest-1	22.79	22.99	22.82	24.00
DC-HSDPA Subtest-2	22.94	22.90	23.10	24.00
DC-HSDPA Subtest-3	22.59	22.23	22.34	23.50
DC-HSDPA Subtest-4	22.23	22.41	22.45	23.50
HSUPA Subtest-1	23.01	22.84	23.02	24.00
HSUPA Subtest-2	21.00	20.84	20.89	22.00
HSUPA Subtest-3	21.73	21.87	21.68	23.00
HSUPA Subtest-4	20.76	20.81	20.74	22.00
HSUPA Subtest-5	22.82	22.89	22.99	24.00
HSPA+	23.25	23.34	23.42	25.00



<b>WCDMA-DS18&amp;9&amp;10-Ant.31</b>				
Band	Band 2			Tune-up Limit Power(dBm)
Channel	9262	9400	9538	
Frequency	1852.40	1880.00	1907.60	
AMR 12.2Kbps	19.12	19.25	19.35	21.00
RMC 12.2Kbps	19.11	19.08	19.01	21.00
HSDPA Subtest-1	18.25	18.04	18.06	20.00
HSDPA Subtest-2	18.17	18.01	18.21	20.00
HSDPA Subtest-3	17.74	17.67	17.73	19.50
HSDPA Subtest-4	17.73	17.83	17.64	19.50
DC-HSDPA Subtest-1	18.20	18.24	18.04	20.00
DC-HSDPA Subtest-2	18.32	18.09	18.11	20.00
DC-HSDPA Subtest-3	17.60	17.57	17.70	19.50
DC-HSDPA Subtest-4	17.75	17.58	17.88	19.50
HSUPA Subtest-1	18.02	18.19	18.15	20.00
HSUPA Subtest-2	16.18	16.15	16.05	18.00
HSUPA Subtest-3	17.24	17.27	17.23	19.00
HSUPA Subtest-4	16.31	16.15	16.24	18.00
HSUPA Subtest-5	18.19	18.12	18.19	20.00
HSPA+	19.02	19.09	19.07	21.00
Band	Band 4			Tune-up Limit Power(dBm)
Channel	1312	1412	1513	
Frequency	1712.40	1732.40	1752.60	
AMR 12.2Kbps	19.76	19.62	19.51	20.50
RMC 12.2Kbps	19.78	19.75	19.89	20.50
HSDPA Subtest-1	18.98	18.81	18.98	19.50
HSDPA Subtest-2	18.69	18.81	18.81	19.50
HSDPA Subtest-3	18.44	18.25	18.14	19.00
HSDPA Subtest-4	18.12	18.24	18.13	19.00
DC-HSDPA Subtest-1	19.01	18.63	18.91	19.50
DC-HSDPA Subtest-2	18.56	18.67	18.78	19.50
DC-HSDPA Subtest-3	18.53	18.10	18.17	19.00
DC-HSDPA Subtest-4	18.01	18.33	18.25	19.00
HSUPA Subtest-1	18.78	18.79	18.91	19.50
HSUPA Subtest-2	16.76	16.76	16.84	17.50
HSUPA Subtest-3	17.63	17.66	17.46	18.50
HSUPA Subtest-4	16.68	16.71	16.81	17.50
HSUPA Subtest-5	18.72	18.78	18.91	19.50
HSPA+	19.67	19.58	19.48	20.50
Band	Band 5			Tune-up Limit Power(dBm)
Channel	4132	4182	4233	
Frequency	826.40	836.40	846.60	
AMR 12.2Kbps	23.67	23.71	23.54	25.00
RMC 12.2Kbps	23.76	23.69	23.83	25.00
HSDPA Subtest-1	22.92	22.87	22.90	24.00
HSDPA Subtest-2	22.82	22.93	22.94	24.00
HSDPA Subtest-3	22.39	22.33	22.23	23.50
HSDPA Subtest-4	22.23	22.32	22.35	23.50
DC-HSDPA Subtest-1	22.79	22.99	22.82	24.00
DC-HSDPA Subtest-2	22.94	22.90	23.10	24.00
DC-HSDPA Subtest-3	22.59	22.23	22.34	23.50
DC-HSDPA Subtest-4	22.23	22.41	22.45	23.50
HSUPA Subtest-1	23.01	22.84	23.02	24.00
HSUPA Subtest-2	21.00	20.84	20.89	22.00
HSUPA Subtest-3	21.73	21.87	21.68	23.00
HSUPA Subtest-4	20.76	20.81	20.74	22.00
HSUPA Subtest-5	22.82	22.89	22.99	24.00
HSPA+	23.25	23.34	23.42	25.00

## 8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)		
1.4	1	LOW	QPSK	22.71	22.70	22.82	24.50		
		MID	QPSK	23.01	22.72	22.93	24.50		
		HIGH	QPSK	22.78	22.86	22.89	24.50		
	3	LOW	QPSK	22.79	22.73	22.73	24.50		
		MID	QPSK	22.96	22.81	22.74	24.50		
		HIGH	QPSK	22.64	22.73	22.64	24.50		
	6	LOW	QPSK	22.04	21.75	21.88	23.50		
	1.4	1	LOW	Q16	22.10	21.84	21.87	23.50	
			MID	Q16	22.01	22.07	22.04	23.50	
HIGH			Q16	22.24	22.22	21.81	23.50		
3		LOW	Q16	21.97	21.99	22.11	23.50		
		MID	Q16	22.05	22.13	22.29	23.50		
		HIGH	Q16	22.07	22.02	21.85	23.50		
6		LOW	Q16	20.91	20.98	20.96	22.50		
1.4		1	LOW	64QAM	21.06	20.99	21.01	22.50	
			MID	64QAM	21.00	21.19	21.02	22.50	
	HIGH		64QAM	21.18	21.07	20.85	22.50		
	3	LOW	64QAM	20.98	20.90	21.14	22.50		
		MID	64QAM	21.04	21.13	21.37	22.50		
		HIGH	64QAM	21.20	20.99	20.80	22.50		
	6	LOW	64QAM	20.04	20.03	19.95	21.50		
	3	3	1	LOW	QPSK	22.91	22.59	22.69	24.50
				MID	QPSK	23.04	22.72	22.99	24.50
HIGH				QPSK	22.69	22.94	22.78	24.50	
8			LOW	QPSK	21.94	21.92	21.90	23.50	
			MID	QPSK	21.87	21.85	21.96	23.50	
			HIGH	QPSK	21.73	21.94	22.01	23.50	
15			LOW	QPSK	21.99	21.96	21.87	23.50	
3			1	LOW	Q16	22.07	22.03	21.87	23.50
				MID	Q16	22.06	22.09	22.29	23.50
		HIGH		Q16	22.29	22.06	21.93	23.50	
		8	LOW	Q16	20.98	20.87	20.76	22.50	
			MID	Q16	20.99	20.85	20.86	22.50	
			HIGH	Q16	20.71	20.99	21.05	22.50	
		15	LOW	Q16	20.88	20.99	20.75	22.50	
		3	1	LOW	64QAM	21.21	21.13	21.16	22.50
				MID	64QAM	21.23	21.12	21.03	22.50
HIGH				64QAM	20.98	21.27	20.70	22.50	
8			LOW	64QAM	19.81	19.58	19.65	21.50	
	MID		64QAM	19.94	20.10	19.77	21.50		
	HIGH		64QAM	19.80	20.01	20.24	21.50		
15	LOW		64QAM	19.75	19.88	19.99	21.50		
5	5		1	LOW	QPSK	22.80	22.75	22.76	24.50
				MID	QPSK	22.95	22.85	22.87	24.50
		HIGH		QPSK	22.76	22.84	22.69	24.50	
		12	LOW	QPSK	21.86	21.68	21.70	23.50	
			MID	QPSK	21.86	21.85	21.80	23.50	
			HIGH	QPSK	21.85	21.73	21.92	23.50	
		25	LOW	QPSK	21.80	21.98	21.93	23.50	
		5	1	LOW	Q16	22.00	22.02	22.07	23.50
				MID	Q16	21.95	22.26	22.06	23.50
	HIGH			Q16	22.14	22.30	21.93	23.50	
	12		LOW	Q16	20.83	20.87	20.86	22.50	
			MID	Q16	21.05	21.00	20.76	22.50	
			HIGH	Q16	20.74	20.84	20.98	22.50	
	25		LOW	Q16	20.91	21.03	20.86	22.50	
	5		1	LOW	64QAM	21.09	21.19	21.09	22.50
				MID	64QAM	20.95	21.30	21.05	22.50
		HIGH		64QAM	20.95	21.49	20.80	22.50	
		12	LOW	64QAM	19.68	19.62	19.74	21.50	
MID			64QAM	19.97	20.00	19.82	21.50		
HIGH			64QAM	19.85	19.96	20.12	21.50		
25		LOW	64QAM	19.74	19.90	19.85	21.50		

LTE B2-Full Power -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)		
10	1	LOW	QPSK	22.80	22.79	22.67	24.50		
		MID	QPSK	22.98	22.86	22.80	24.50		
		HIGH	QPSK	22.74	22.81	22.88	24.50		
	25	LOW	QPSK	21.88	21.79	21.74	23.50		
		MID	QPSK	22.00	21.85	22.01	23.50		
		HIGH	QPSK	21.86	21.97	22.03	23.50		
	50	LOW	QPSK	22.03	21.72	21.96	23.50		
	10	1	LOW	Q16	22.03	22.02	22.03	23.50	
			MID	Q16	22.08	22.08	22.29	23.50	
HIGH			Q16	22.13	22.30	21.89	23.50		
25		LOW	Q16	20.89	20.89	20.91	22.50		
		MID	Q16	20.94	20.89	20.99	22.50		
		HIGH	Q16	20.74	21.00	21.04	22.50		
50		LOW	Q16	20.88	20.94	20.74	22.50		
10		1	LOW	64QAM	20.93	21.04	21.16	22.50	
			MID	64QAM	21.11	21.18	20.99	22.50	
	HIGH		64QAM	21.16	21.28	20.84	22.50		
	25	LOW	64QAM	19.57	19.70	19.79	21.50		
		MID	64QAM	19.82	19.90	19.71	21.50		
		HIGH	64QAM	19.88	19.95	20.24	21.50		
	50	LOW	64QAM	19.98	20.00	19.81	21.50		
	15	15	1	LOW	QPSK	22.91	22.68	22.83	24.50
				MID	QPSK	23.04	22.90	22.80	24.50
HIGH				QPSK	22.63	22.72	22.86	24.50	
36			LOW	QPSK	22.00	21.90	21.80	23.50	
			MID	QPSK	21.97	21.94	21.88	23.50	
			HIGH	QPSK	21.85	22.02	21.98	23.50	
75			LOW	QPSK	21.87	21.93	21.96	23.50	
15			1	LOW	Q16	22.12	22.11	21.89	23.50
				MID	Q16	22.21	22.21	22.05	23.50
		HIGH		Q16	22.19	22.27	21.90	23.50	
		36	LOW	Q16	20.70	20.70	20.85	22.50	
			MID	Q16	20.99	20.94	20.82	22.50	
			HIGH	Q16	20.89	20.75	20.95	22.50	
		75	LOW	Q16	20.74	20.97	20.83	22.50	
		15	1	LOW	64QAM	21.14	20.97	21.14	22.50
				MID	64QAM	21.08	21.21	21.12	22.50
HIGH				64QAM	20.99	21.19	20.87	22.50	
36			LOW	64QAM	19.72	19.87	19.74	21.50	
	MID		64QAM	19.78	19.94	19.81	21.50		
	HIGH		64QAM	19.86	19.91	20.07	21.50		
75	LOW		64QAM	19.97	20.10	20.04	21.50		
20	20		1	LOW	QPSK	22.85	22.74	22.73	24.50
				MID	QPSK	22.89	22.91	22.84	24.50
		HIGH		QPSK	22.75	22.82	22.78	24.50	
		50	LOW	QPSK	21.92	21.79	21.84	23.50	
			MID	QPSK	21.91	21.93	21.89	23.50	
			HIGH	QPSK	21.87	21.87	21.78	23.50	
		100	LOW	QPSK	21.89	21.84	21.84	23.50	
		20	1	LOW	Q16	22.12	21.99	21.97	23.50
				MID	Q16	22.08	22.12	22.15	23.50
	HIGH			Q16	22.20	22.19	21.91	23.50	
	50		LOW	Q16	20.84	20.75	20.84	22.50	
			MID	Q16	20.91	20.88	20.84	22.50	
			HIGH	Q16	20.86	20.90	20.94	22.50	
	100		LOW	Q16	20.86	20.88	20.87	22.50	
	20		1	LOW	64QAM	21.08	21.10	21.03	22.50
				MID	64QAM	21.10	21.15	21.03	22.50
		HIGH		64QAM	21.09	21.34	20.81	22.50	
		50	LOW	64QAM	19.70	19.61	19.72	21.50	
MID			64QAM	19.91	19.98	19.85	21.50		
HIGH			64QAM	19.80	20.02	20.09	21.50		
100		LOW	64QAM	19.73	19.88	19.96	21.50		

LTE B2-DS12&3 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)		
1.4	1	LOW	QPSK	16.19	16.29	16.32	18.00		
		MID	QPSK	16.34	16.29	16.38	18.00		
		HIGH	QPSK	16.18	16.23	16.14	18.00		
	3	LOW	QPSK	16.44	16.40	16.30	18.00		
		MID	QPSK	16.50	16.39	16.28	18.00		
		HIGH	QPSK	16.44	16.43	16.29	18.00		
	6	LOW	QPSK	16.34	16.35	16.34	18.00		
	1.4	1	LOW	Q16	16.51	16.57	16.50	18.00	
			MID	Q16	16.75	16.43	16.46	18.00	
HIGH			Q16	16.69	16.43	16.68	18.00		
3		LOW	Q16	16.77	16.49	16.55	18.00		
		MID	Q16	16.73	16.66	16.52	18.00		
		HIGH	Q16	16.72	16.52	16.52	18.00		
6		LOW	Q16	16.31	16.32	16.39	18.00		
1.4		1	LOW	64QAM	16.48	16.64	16.48	18.00	
			MID	64QAM	16.70	16.42	16.60	18.00	
	HIGH		64QAM	16.76	16.43	16.59	18.00		
	3	LOW	64QAM	16.86	16.40	16.69	18.00		
		MID	64QAM	16.71	16.54	16.45	18.00		
		HIGH	64QAM	16.67	16.39	16.37	18.00		
	6	LOW	64QAM	16.26	16.45	16.34	18.00		
	3	3	1	LOW	QPSK	16.19	16.26	16.14	18.00
				MID	QPSK	16.47	16.32	16.19	18.00
HIGH				QPSK	16.38	16.25	16.26	18.00	
8			LOW	QPSK	16.45	16.41	16.23	18.00	
			MID	QPSK	16.50	16.24	16.47	18.00	
			HIGH	QPSK	16.40	16.47	16.25	18.00	
15			LOW	QPSK	16.37	16.34	16.27	18.00	
3			1	LOW	Q16	16.65	16.42	16.62	18.00
				MID	Q16	16.65	16.55	16.70	18.00
		HIGH		Q16	16.76	16.55	16.65	18.00	
		8	LOW	Q16	16.26	16.21	16.28	18.00	
			MID	Q16	16.47	16.35	16.44	18.00	
			HIGH	Q16	16.40	16.26	16.28	18.00	
		15	LOW	Q16	16.31	16.40	16.25	18.00	
		3	1	LOW	64QAM	16.75	16.58	16.33	18.00
				MID	64QAM	16.73	16.47	16.37	18.00
HIGH				64QAM	16.74	16.58	16.55	18.00	
8			LOW	64QAM	16.35	16.43	16.36	18.00	
	MID		64QAM	16.24	16.35	16.17	18.00		
	HIGH		64QAM	16.64	16.24	16.44	18.00		
15	LOW		64QAM	16.65	16.28	16.35	18.00		
5	5		1	LOW	QPSK	16.36	16.28	16.17	18.00
				MID	QPSK	16.36	16.39	16.25	18.00
		HIGH		QPSK	16.44	16.24	16.14	18.00	
		12	LOW	QPSK	16.33	16.33	16.36	18.00	
			MID	QPSK	16.49	16.43	16.42	18.00	
			HIGH	QPSK	16.55	16.48	16.34	18.00	
		25	LOW	QPSK	16.27	16.39	16.24	18.00	
		5	1	LOW	Q16	16.74	16.46	16.55	18.00
				MID	Q16	16.65	16.51	16.63	18.00
	HIGH			Q16	16.75	16.48	16.58	18.00	
	12		LOW	Q16	16.52	16.44	16.28	18.00	
			MID	Q16	16.30	16.41	16.43	18.00	
			HIGH	Q16	16.31	16.40	16.52	18.00	
	25		LOW	Q16	16.53	16.15	16.23	18.00	
	5		1	LOW	64QAM	16.84	16.46	16.43	18.00
				MID	64QAM	16.43	16.66	16.50	18.00
		HIGH		64QAM	16.70	16.53	16.54	18.00	
		12	LOW	64QAM	16.34	16.22	16.53	18.00	
MID			64QAM	16.50	16.27	16.35	18.00		
HIGH			64QAM	16.53	16.27	16.39	18.00		
25		LOW	64QAM	16.65	16.23	16.17	18.00		

LTE B2-DS12&3 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)		
10	1	LOW	QPSK	16.45	16.29	16.37	18.00		
		MID	QPSK	16.35	16.27	16.23	18.00		
		HIGH	QPSK	16.27	16.17	16.16	18.00		
	25	LOW	QPSK	16.53	16.21	16.30	18.00		
		MID	QPSK	16.55	16.44	16.29	18.00		
		HIGH	QPSK	16.42	16.40	16.51	18.00		
	50	LOW	QPSK	16.31	16.30	16.33	18.00		
	10	1	LOW	Q16	16.77	16.46	16.60	18.00	
			MID	Q16	16.75	16.51	16.54	18.00	
HIGH			Q16	16.74	16.49	16.62	18.00		
25		LOW	Q16	16.30	16.42	16.40	18.00		
		MID	Q16	16.30	16.49	16.43	18.00		
		HIGH	Q16	16.31	16.30	16.25	18.00		
50		LOW	Q16	16.39	16.37	16.45	18.00		
10		1	LOW	64QAM	16.70	16.32	16.41	18.00	
			MID	64QAM	16.66	16.67	16.51	18.00	
	HIGH		64QAM	16.65	16.54	16.32	18.00		
	25	LOW	64QAM	16.56	16.33	16.31	18.00		
		MID	64QAM	16.45	16.29	16.25	18.00		
		HIGH	64QAM	16.36	16.21	16.27	18.00		
	50	LOW	64QAM	16.64	16.37	16.19	18.00		
	15	15	1	LOW	QPSK	16.43	16.15	16.10	18.00
				MID	QPSK	16.31	16.43	16.32	18.00
HIGH				QPSK	16.38	16.45	16.34	18.00	
36			LOW	QPSK	16.40	16.30	16.38	18.00	
			MID	QPSK	16.44	16.37	16.31	18.00	
			HIGH	QPSK	16.43	16.29	16.42	18.00	
75			LOW	QPSK	16.51	16.47	16.37	18.00	
15			1	LOW	Q16	16.54	16.39	16.47	18.00
				MID	Q16	16.78	16.54	16.48	18.00
		HIGH		Q16	16.73	16.33	16.42	18.00	
		36	LOW	Q16	16.48	16.27	16.14	18.00	
			MID	Q16	16.38	16.41	16.32	18.00	
			HIGH	Q16	16.32	16.53	16.34	18.00	
		75	LOW	Q16	16.47	16.21	16.33	18.00	
		15	1	LOW	64QAM	16.60	16.49	16.28	18.00
				MID	64QAM	16.65	16.55	16.59	18.00
HIGH				64QAM	16.48	16.65	16.58	18.00	
36			LOW	64QAM	16.36	16.44	16.35	18.00	
	MID		64QAM	16.48	16.13	16.42	18.00		
	HIGH		64QAM	16.53	16.24	16.22	18.00		
75	LOW		64QAM	16.56	16.36	16.10	18.00		
20	20		1	LOW	QPSK	16.31	16.57	16.54	18.00
				MID	QPSK	16.39	16.62	16.30	18.00
		HIGH		QPSK	16.32	16.30	16.78	18.00	
		50	LOW	QPSK	16.40	16.31	16.30	18.00	
			MID	QPSK	16.41	16.36	16.33	18.00	
			HIGH	QPSK	16.43	16.41	16.55	18.00	
		100	LOW	QPSK	16.42	16.35	16.43	18.00	
		20	1	LOW	Q16	16.34	16.21	16.20	18.00
				MID	Q16	16.42	16.26	16.30	18.00
	HIGH			Q16	16.40	16.17	16.23	18.00	
	50		LOW	Q16	16.07	16.03	16.29	18.00	
			MID	Q16	16.12	16.05	16.00	18.00	
			HIGH	Q16	16.14	16.08	16.10	18.00	
	100		LOW	Q16	16.12	16.00	16.01	18.00	
	20		1	LOW	64QAM	16.43	16.16	16.12	18.00
				MID	64QAM	16.28	16.28	16.22	18.00
		HIGH		64QAM	16.31	16.27	16.16	18.00	
		50	LOW	64QAM	16.12	16.00	16.10	18.00	
MID			64QAM	16.09	16.26	16.28	18.00		
HIGH			64QAM	16.20	16.29	16.03	18.00		
100		LOW	64QAM	16.27	16.04	16.20	18.00		

LTE B2-DS14 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.71	22.70	22.82	24.50	
		MID	QPSK	23.01	22.72	22.93	24.50	
		HIGH	QPSK	22.78	22.86	22.89	24.50	
	3	LOW	QPSK	22.79	22.73	22.73	24.50	
		MID	QPSK	22.96	22.81	22.74	24.50	
		HIGH	QPSK	22.64	22.73	22.64	24.50	
	6	LOW	QPSK	22.04	21.75	21.88	23.50	
	1.4	1	LOW	Q16	22.10	21.84	21.87	23.50
			MID	Q16	22.01	22.07	22.04	23.50
HIGH			Q16	22.24	22.22	21.81	23.50	
3		LOW	Q16	21.97	21.99	22.11	23.50	
		MID	Q16	22.05	22.13	22.29	23.50	
		HIGH	Q16	22.07	22.02	21.85	23.50	
6		LOW	Q16	20.91	20.98	20.96	22.50	
1.4		1	LOW	64QAM	21.06	20.99	21.01	22.50
			MID	64QAM	21.00	21.19	21.02	22.50
	HIGH		64QAM	21.18	21.07	20.85	22.50	
	3	LOW	64QAM	20.98	20.90	21.14	22.50	
		MID	64QAM	21.04	21.13	21.37	22.50	
		HIGH	64QAM	21.20	20.99	20.80	22.50	
	6	LOW	64QAM	20.04	20.03	19.95	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.91	22.59	22.69	24.50
MID			QPSK	23.04	22.72	22.99	24.50	
HIGH			QPSK	22.69	22.94	22.78	24.50	
8		LOW	QPSK	21.94	21.92	21.90	23.50	
		MID	QPSK	21.87	21.85	21.96	23.50	
		HIGH	QPSK	21.73	21.94	22.01	23.50	
15		LOW	QPSK	21.99	21.96	21.87	23.50	
3		1	LOW	Q16	22.07	22.03	21.87	23.50
			MID	Q16	22.06	22.09	22.29	23.50
	HIGH		Q16	22.29	22.06	21.93	23.50	
	8	LOW	Q16	20.98	20.87	20.76	22.50	
		MID	Q16	20.99	20.85	20.86	22.50	
		HIGH	Q16	20.71	20.99	21.05	22.50	
	15	LOW	Q16	20.88	20.99	20.75	22.50	
	3	1	LOW	64QAM	21.21	21.13	21.16	22.50
			MID	64QAM	21.23	21.12	21.03	22.50
HIGH			64QAM	20.98	21.27	20.70	22.50	
8		LOW	64QAM	19.81	19.58	19.65	21.50	
		MID	64QAM	19.94	20.10	19.77	21.50	
		HIGH	64QAM	19.80	20.01	20.24	21.50	
15		LOW	64QAM	19.75	19.88	19.99	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	22.80	22.75	22.76	24.50
	MID		QPSK	22.95	22.85	22.87	24.50	
	HIGH		QPSK	22.76	22.84	22.69	24.50	
	12	LOW	QPSK	21.86	21.68	21.70	23.50	
		MID	QPSK	21.86	21.85	21.80	23.50	
		HIGH	QPSK	21.85	21.73	21.92	23.50	
	25	LOW	QPSK	21.80	21.98	21.93	23.50	
	5	1	LOW	Q16	22.00	22.02	22.07	23.50
			MID	Q16	21.95	22.26	22.06	23.50
HIGH			Q16	22.14	22.30	21.93	23.50	
12		LOW	Q16	20.83	20.87	20.86	22.50	
		MID	Q16	21.05	21.00	20.76	22.50	
		HIGH	Q16	20.74	20.84	20.98	22.50	
25		LOW	Q16	20.91	21.03	20.86	22.50	
5		1	LOW	64QAM	21.09	21.19	21.09	22.50
			MID	64QAM	20.95	21.30	21.05	22.50
	HIGH		64QAM	20.95	21.49	20.80	22.50	
	12	LOW	64QAM	19.68	19.62	19.74	21.50	
		MID	64QAM	19.97	20.00	19.82	21.50	
		HIGH	64QAM	19.85	19.96	20.12	21.50	
	25	LOW	64QAM	19.73	19.90	19.85	21.50	

LTE B2-DS14 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)		
10	1	LOW	QPSK	22.80	22.79	22.67	24.50		
		MID	QPSK	22.98	22.86	22.80	24.50		
		HIGH	QPSK	22.74	22.81	22.88	24.50		
	25	LOW	QPSK	21.88	21.79	21.74	23.50		
		MID	QPSK	22.00	21.85	22.01	23.50		
		HIGH	QPSK	21.86	21.97	22.03	23.50		
	50	LOW	QPSK	22.03	21.72	21.96	23.50		
	10	1	LOW	Q16	22.03	22.02	22.03	23.50	
			MID	Q16	22.08	22.08	22.29	23.50	
HIGH			Q16	22.13	22.30	21.89	23.50		
25		LOW	Q16	20.89	20.89	20.91	22.50		
		MID	Q16	20.94	20.89	20.99	22.50		
		HIGH	Q16	20.74	21.00	21.04	22.50		
50		LOW	Q16	20.88	20.94	20.74	22.50		
10		1	LOW	64QAM	20.93	21.04	21.16	22.50	
			MID	64QAM	21.11	21.18	20.99	22.50	
	HIGH		64QAM	21.16	21.28	20.84	22.50		
	25	LOW	64QAM	19.57	19.70	19.79	21.50		
		MID	64QAM	19.82	19.90	19.71	21.50		
		HIGH	64QAM	19.88	19.95	20.24	21.50		
	50	LOW	64QAM	19.98	20.00	19.81	21.50		
	15	15	1	LOW	QPSK	22.91	22.68	22.83	24.50
				MID	QPSK	23.04	22.90	22.80	24.50
HIGH				QPSK	22.63	22.72	22.86	24.50	
36			LOW	QPSK	22.00	21.90	21.80	23.50	
			MID	QPSK	21.97	21.94	21.88	23.50	
			HIGH	QPSK	21.85	22.02	21.98	23.50	
75			LOW	QPSK	21.87	21.93	21.96	23.50	
15			1	LOW	Q16	22.12	22.11	21.89	23.50
				MID	Q16	22.21	22.21	22.05	23.50
		HIGH		Q16	22.19	22.27	21.90	23.50	
		36	LOW	Q16	20.70	20.70	20.85	22.50	
			MID	Q16	20.99	20.94	20.82	22.50	
			HIGH	Q16	20.89	20.75	20.95	22.50	
		75	LOW	Q16	20.74	20.97	20.83	22.50	
		15	1	LOW	64QAM	21.14	20.97	21.14	22.50
				MID	64QAM	21.08	21.21	21.12	22.50
HIGH				64QAM	20.99	21.19	20.87	22.50	
36			LOW	64QAM	19.72	19.87	19.74	21.50	
	MID		64QAM	19.78	19.94	19.81	21.50		
	HIGH		64QAM	19.86	19.91	20.07	21.50		
75	LOW		64QAM	19.97	20.10	20.04	21.50		
20	20		1	LOW	QPSK	22.85	22.74	22.73	24.50
				MID	QPSK	22.89	22.91	22.84	24.50
		HIGH		QPSK	22.75	22.82	22.78	24.50	
		50	LOW	QPSK	21.92	21.79	21.84	23.50	
			MID	QPSK	21.91	21.93	21.89	23.50	
			HIGH	QPSK	21.87	21.87	21.78	23.50	
		100	LOW	QPSK	21.89	21.84	21.84	23.50	
		20	1	LOW	Q16	22.12	21.99	21.97	23.50
				MID	Q16	22.08	22.12	22.15	23.50
	HIGH			Q16	22.20	22.19	21.91	23.50	
	50		LOW	Q16	20.84	20.75	20.84	22.50	
			MID	Q16	20.91	20.88	20.84	22.50	
			HIGH	Q16	20.86	20.90	20.94	22.50	
	100		LOW	Q16	20.86	20.88	20.87	22.50	
	20		1	LOW	64QAM	21.08	21.10	21.03	22.50
				MID	64QAM	21.10	21.15	21.03	22.50
		HIGH		64QAM	21.09	21.34	20.81	22.50	
		50	LOW	64QAM	19.70	19.61	19.72	21.50	
MID			64QAM	19.91	19.98	19.85	21.50		
HIGH			64QAM	19.80	20.02	20.09	21.50		
100		LOW	64QAM	19.73	19.88	19.96	21.50		

LTE B2-DS15 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)		
1.4	1	LOW	QPSK	19.38	19.30	19.22	21.00		
		MID	QPSK	19.36	19.24	19.34	21.00		
		HIGH	QPSK	19.17	19.37	19.38	21.00		
	3	LOW	QPSK	19.14	19.14	19.30	21.00		
		MID	QPSK	19.31	19.21	19.42	21.00		
		HIGH	QPSK	19.17	19.07	19.17	21.00		
	6	LOW	QPSK	19.29	19.24	19.37	21.00		
	1.4	1	LOW	Q16	19.52	19.58	19.51	21.00	
			MID	Q16	19.67	19.73	19.50	21.00	
HIGH			Q16	19.59	19.61	19.54	21.00		
3		LOW	Q16	19.65	19.47	19.51	21.00		
		MID	Q16	19.67	19.63	19.60	21.00		
		HIGH	Q16	19.63	19.57	19.35	21.00		
6		LOW	Q16	19.30	19.38	19.27	21.00		
1.4		1	LOW	64QAM	19.64	19.66	19.55	21.00	
			MID	64QAM	19.74	19.68	19.53	21.00	
	HIGH		64QAM	19.61	19.54	19.41	21.00		
	3	LOW	64QAM	19.52	19.40	19.50	21.00		
		MID	64QAM	19.74	19.61	19.48	21.00		
		HIGH	64QAM	19.70	19.52	19.32	21.00		
	6	LOW	64QAM	19.41	19.29	19.41	21.00		
	3	3	1	LOW	QPSK	19.28	19.23	19.15	21.00
				MID	QPSK	19.30	19.34	19.27	21.00
HIGH				QPSK	19.36	19.25	19.28	21.00	
8			LOW	QPSK	19.39	19.26	19.13	21.00	
			MID	QPSK	19.20	19.27	19.31	21.00	
			HIGH	QPSK	19.21	19.38	19.28	21.00	
15			LOW	QPSK	19.23	19.35	19.25	21.00	
3			1	LOW	Q16	19.51	19.54	19.47	21.00
				MID	Q16	19.65	19.68	19.58	21.00
		HIGH		Q16	19.54	19.65	19.31	21.00	
		8	LOW	Q16	19.27	19.22	19.27	21.00	
			MID	Q16	19.43	19.41	19.25	21.00	
			HIGH	Q16	19.38	19.48	19.42	21.00	
		15	LOW	Q16	19.45	19.19	19.21	21.00	
		3	1	LOW	64QAM	19.48	19.47	19.44	21.00
				MID	64QAM	19.71	19.67	19.62	21.00
HIGH				64QAM	19.77	19.60	19.45	21.00	
8			LOW	64QAM	19.36	19.17	19.54	21.00	
	MID		64QAM	19.43	19.27	19.27	21.00		
	HIGH		64QAM	19.27	19.33	19.30	21.00		
15	LOW		64QAM	19.36	19.53	19.31	21.00		
5	5		1	LOW	QPSK	19.11	19.26	19.33	21.00
				MID	QPSK	19.28	19.22	19.42	21.00
		HIGH		QPSK	19.34	19.14	19.29	21.00	
		12	LOW	QPSK	19.32	19.34	19.34	21.00	
			MID	QPSK	19.24	19.45	19.29	21.00	
			HIGH	QPSK	19.34	19.35	19.28	21.00	
		25	LOW	QPSK	19.30	19.43	19.13	21.00	
		5	1	LOW	Q16	19.61	19.42	19.51	21.00
				MID	Q16	19.52	19.80	19.63	21.00
	HIGH			Q16	19.55	19.48	19.53	21.00	
	12		LOW	Q16	19.17	19.24	19.17	21.00	
			MID	Q16	19.48	19.43	19.48	21.00	
			HIGH	Q16	19.43	19.33	19.53	21.00	
	25		LOW	Q16	19.45	19.24	19.28	21.00	
	5		1	LOW	64QAM	19.34	19.21	19.47	21.00
				MID	64QAM	19.46	19.82	19.82	21.00
		HIGH		64QAM	19.51	19.65	19.56	21.00	
		12	LOW	64QAM	19.34	19.18	19.55	21.00	
MID			64QAM	19.44	19.25	19.13	21.00		
HIGH			64QAM	19.21	19.36	19.36	21.00		
25		LOW	64QAM	19.30	19.55	19.16	21.00		



LTE B2-DS15 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)		
10	1	LOW	QPSK	19.17	19.17	19.26	21.00		
		MID	QPSK	19.12	19.22	19.22	21.00		
		HIGH	QPSK	19.22	19.37	19.20	21.00		
	25	LOW	QPSK	19.45	19.37	19.12	21.00		
		MID	QPSK	19.42	19.41	19.33	21.00		
		HIGH	QPSK	19.35	19.42	19.50	21.00		
	50	LOW	QPSK	19.41	19.27	19.38	21.00		
	10	1	LOW	Q16	19.61	19.63	19.63	21.00	
			MID	Q16	19.64	19.58	19.74	21.00	
HIGH			Q16	19.57	19.60	19.56	21.00		
25		LOW	Q16	19.22	19.12	19.17	21.00		
		MID	Q16	19.21	19.52	19.32	21.00		
		HIGH	Q16	19.24	19.38	19.48	21.00		
50		LOW	Q16	19.16	19.28	19.21	21.00		
10		1	LOW	64QAM	19.40	19.24	19.44	21.00	
			MID	64QAM	19.43	19.70	19.85	21.00	
	HIGH		64QAM	19.63	19.53	19.53	21.00		
	25	LOW	64QAM	19.14	19.24	19.49	21.00		
		MID	64QAM	19.33	19.32	19.16	21.00		
		HIGH	64QAM	19.37	19.32	19.30	21.00		
	50	LOW	64QAM	19.21	19.48	19.27	21.00		
	15	15	1	LOW	QPSK	19.33	19.02	19.16	21.00
				MID	QPSK	19.19	19.39	19.20	21.00
HIGH				QPSK	19.31	19.13	19.23	21.00	
36			LOW	QPSK	19.18	19.40	19.38	21.00	
			MID	QPSK	19.30	19.38	19.34	21.00	
			HIGH	QPSK	19.38	19.25	19.45	21.00	
75			LOW	QPSK	19.19	19.47	19.27	21.00	
15			1	LOW	Q16	19.63	19.62	19.60	21.00
				MID	Q16	19.65	19.68	19.59	21.00
		HIGH		Q16	19.55	19.55	19.40	21.00	
		36	LOW	Q16	19.31	19.33	19.14	21.00	
			MID	Q16	19.36	19.30	19.43	21.00	
			HIGH	Q16	19.44	19.41	19.34	21.00	
		75	LOW	Q16	19.31	19.39	19.21	21.00	
		15	1	LOW	64QAM	19.50	19.35	19.54	21.00
				MID	64QAM	19.68	19.93	19.84	21.00
HIGH				64QAM	19.61	19.56	19.70	21.00	
36			LOW	64QAM	19.34	19.13	19.29	21.00	
	MID		64QAM	19.45	19.22	19.11	21.00		
	HIGH		64QAM	19.47	19.26	19.41	21.00		
75	LOW		64QAM	19.09	19.53	19.26	21.00		
20	20		1	LOW	QPSK	19.24	19.17	19.22	21.00
				MID	QPSK	19.21	19.28	19.23	21.00
		HIGH		QPSK	19.22	19.22	19.15	21.00	
		50	LOW	QPSK	19.30	19.31	19.25	21.00	
			MID	QPSK	19.31	19.35	19.30	21.00	
			HIGH	QPSK	19.34	19.32	19.37	21.00	
		100	LOW	QPSK	19.29	19.32	19.28	21.00	
		20	1	LOW	Q16	19.51	19.48	19.50	21.00
				MID	Q16	19.63	19.71	19.60	21.00
	HIGH			Q16	19.56	19.63	19.46	21.00	
	50		LOW	Q16	19.27	19.26	19.27	21.00	
			MID	Q16	19.35	19.37	19.35	21.00	
			HIGH	Q16	19.33	19.34	19.41	21.00	
	100		LOW	Q16	19.31	19.33	19.34	21.00	
	20		1	LOW	64QAM	19.45	19.34	19.54	21.00
				MID	64QAM	19.58	19.81	19.72	21.00
		HIGH		64QAM	19.63	19.52	19.60	21.00	
		50	LOW	64QAM	19.26	19.21	19.42	21.00	
MID			64QAM	19.45	19.22	19.22	21.00		
HIGH			64QAM	19.33	19.33	19.42	21.00		
100		LOW	64QAM	19.25/19.34	19.22	19.47	19.26	21.00	

LTE B2-DS18&9&10 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)		
1.4	1	LOW	QPSK	18.79	18.58	18.69	20.50		
		MID	QPSK	18.78	18.92	18.63	20.50		
		HIGH	QPSK	18.68	18.74	18.78	20.50		
	3	LOW	QPSK	18.91	18.83	18.67	20.50		
		MID	QPSK	18.79	18.66	18.75	20.50		
		HIGH	QPSK	18.86	18.73	18.61	20.50		
	6	LOW	QPSK	18.91	18.67	18.79	20.50		
	1.4	1	LOW	Q16	18.97	18.90	18.83	20.50	
			MID	Q16	19.07	19.03	19.20	20.50	
HIGH			Q16	19.06	19.25	19.06	20.50		
3		LOW	Q16	19.05	18.64	18.69	20.50		
		MID	Q16	19.26	19.06	19.02	20.50		
		HIGH	Q16	19.18	19.00	19.06	20.50		
6		LOW	Q16	18.88	18.91	18.84	20.50		
1.4		1	LOW	64QAM	18.83	19.04	18.81	20.50	
			MID	64QAM	19.19	18.90	19.34	20.50	
	HIGH		64QAM	19.04	19.17	19.06	20.50		
	3	LOW	64QAM	19.18	18.59	18.64	20.50		
		MID	64QAM	19.22	19.01	19.05	20.50		
		HIGH	64QAM	19.11	19.15	19.01	20.50		
	6	LOW	64QAM	18.98	19.02	18.89	20.50		
	3	3	1	LOW	QPSK	18.81	18.73	18.76	20.50
				MID	QPSK	18.72	18.77	18.85	20.50
HIGH				QPSK	18.73	18.75	18.74	20.50	
8			LOW	QPSK	18.74	18.67	18.66	20.50	
			MID	QPSK	18.77	18.86	18.80	20.50	
			HIGH	QPSK	18.90	18.78	18.82	20.50	
15			LOW	QPSK	18.73	18.71	18.75	20.50	
3			1	LOW	Q16	19.21	19.11	18.89	20.50
				MID	Q16	19.13	19.07	19.10	20.50
		HIGH		Q16	19.14	19.16	19.05	20.50	
		8	LOW	Q16	18.75	18.89	18.78	20.50	
			MID	Q16	18.85	18.98	18.93	20.50	
			HIGH	Q16	18.93	18.75	18.83	20.50	
		15	LOW	Q16	18.68	18.73	18.88	20.50	
		3	1	LOW	64QAM	18.92	18.91	18.80	20.50
				MID	64QAM	19.22	19.03	19.37	20.50
HIGH				64QAM	19.03	19.18	19.01	20.50	
8			LOW	64QAM	18.99	18.53	18.60	20.50	
	MID		64QAM	18.97	18.80	18.76	20.50		
	HIGH		64QAM	18.81	18.84	18.68	20.50		
15	LOW		64QAM	18.75	18.98	18.68	20.50		
5	5		1	LOW	QPSK	18.90	18.64	18.66	20.50
				MID	QPSK	18.82	18.81	18.78	20.50
		HIGH		QPSK	18.71	18.93	18.82	20.50	
		12	LOW	QPSK	18.88	18.79	18.78	20.50	
			MID	QPSK	18.74	18.89	18.87	20.50	
			HIGH	QPSK	18.77	18.77	18.78	20.50	
		25	LOW	QPSK	18.84	18.68	18.87	20.50	
		5	1	LOW	Q16	19.20	19.12	18.86	20.50
				MID	Q16	19.19	19.21	19.09	20.50
	HIGH			Q16	19.15	19.09	19.01	20.50	
	12		LOW	Q16	18.92	18.64	18.82	20.50	
			MID	Q16	18.74	18.70	18.85	20.50	
			HIGH	Q16	18.98	18.74	18.78	20.50	
	25		LOW	Q16	18.90	18.79	18.84	20.50	
	5		1	LOW	64QAM	19.10	18.95	18.67	20.50
				MID	64QAM	19.14	18.94	19.29	20.50
		HIGH		64QAM	19.11	19.11	18.94	20.50	
		12	LOW	64QAM	18.83	18.72	18.77	20.50	
MID			64QAM	18.88	18.91	18.70	20.50		
HIGH			64QAM	18.70	18.65	18.65	20.50		
25		LOW	64QAM	18.69	18.90	18.64	20.50		

LTE B2-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	18.72	18.74	18.60	20.50	
		MID	QPSK	18.70	18.71	18.83	20.50	
		HIGH	QPSK	18.67	18.70	18.78	20.50	
	25	LOW	QPSK	18.88	18.84	18.77	20.50	
		MID	QPSK	18.86	18.69	18.79	20.50	
		HIGH	QPSK	18.87	18.72	18.79	20.50	
	50	LOW	QPSK	18.77	18.86	18.87	20.50	
	10	1	LOW	Q16	19.20	18.99	18.92	20.50
			MID	Q16	19.07	19.05	19.14	20.50
HIGH			Q16	19.05	19.17	18.91	20.50	
25		LOW	Q16	18.84	18.75	18.82	20.50	
		MID	Q16	18.70	18.97	18.68	20.50	
		HIGH	Q16	18.80	18.81	18.91	20.50	
50		LOW	Q16	18.72	18.82	18.83	20.50	
10		1	LOW	64QAM	19.12	18.93	18.78	20.50
			MID	64QAM	19.21	19.05	19.19	20.50
	HIGH		64QAM	19.01	19.16	19.03	20.50	
	25	LOW	64QAM	18.92	18.77	18.62	20.50	
		MID	64QAM	18.80	18.82	18.60	20.50	
		HIGH	64QAM	18.86	18.85	18.90	20.50	
	50	LOW	64QAM	18.85	18.82	18.69	20.50	
	15	1	LOW	QPSK	18.73	18.86	18.70	20.50
			MID	QPSK	18.76	18.64	18.85	20.50
HIGH			QPSK	18.60	18.76	18.73	20.50	
36		LOW	QPSK	18.88	18.87	18.77	20.50	
		MID	QPSK	18.77	18.89	18.89	20.50	
		HIGH	QPSK	18.76	18.81	18.94	20.50	
75		LOW	QPSK	18.82	18.66	18.77	20.50	
15		1	LOW	Q16	19.07	18.99	18.85	20.50
			MID	Q16	19.09	19.14	19.28	20.50
			HIGH	Q16	19.00	19.28	19.11	20.50
		36	LOW	Q16	18.95	18.69	18.63	20.50
			MID	Q16	18.83	18.73	18.72	20.50
			HIGH	Q16	18.86	18.76	18.96	20.50
		75	LOW	Q16	18.90	18.79	18.81	20.50
		15	1	LOW	64QAM	19.03	19.03	18.76
	MID			64QAM	19.03	18.91	19.22	20.50
HIGH	64QAM			19.20	19.21	18.90	20.50	
36	LOW		64QAM	18.88	18.54	18.75	20.50	
	MID		64QAM	18.97	18.94	18.65	20.50	
	HIGH		64QAM	18.85	18.64	18.64	20.50	
75	LOW		64QAM	18.83	18.87	18.85	20.50	
20	1		LOW	QPSK	18.79	18.95	18.73	20.50
			MID	QPSK	18.82	18.77	18.77	20.50
		HIGH	QPSK	18.75	18.79	18.71	20.50	
	50	LOW	QPSK	18.76	18.75	18.80	20.50	
		MID	QPSK	18.87	18.75	18.79	20.50	
		HIGH	QPSK	18.85	18.89	18.86	20.50	
	100	LOW	QPSK	18.84	18.85	18.79	20.50	
	20	1	LOW	Q16	19.12	19.01	18.82	20.50
			MID	Q16	19.13	19.10	19.14	20.50
			HIGH	Q16	19.04	19.14	19.02	20.50
		50	LOW	Q16	18.82	18.77	18.77	20.50
			MID	Q16	18.85	18.85	18.81	20.50
			HIGH	Q16	18.86	18.85	18.88	20.50
		100	LOW	Q16	18.81	18.83	18.79	20.50
		20	1	LOW	64QAM	19.04	18.91	18.82
MID				64QAM	19.16	19.05	19.24	20.50
HIGH	64QAM			19.08	19.06	19.03	20.50	
50	LOW		64QAM	18.91	18.62	18.75	20.50	
	MID		64QAM	18.88	18.87	18.71	20.50	
	HIGH		64QAM	18.71	18.73	18.79	20.50	
100	LOW		64QAM	18.70	18.93	18.78	20.50	

### 8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.09	22.86	22.75	24.50	
		MID	QPSK	23.05	23.00	23.04	24.50	
		HIGH	QPSK	22.77	22.78	22.97	24.50	
	3	LOW	QPSK	22.90	23.02	22.86	24.50	
		MID	QPSK	23.03	22.93	23.07	24.50	
		HIGH	QPSK	22.92	22.88	23.04	24.50	
	6	LOW	QPSK	22.11	21.83	21.90	23.50	
	1.4	1	LOW	Q16	22.02	22.15	21.72	23.50
			MID	Q16	22.08	21.80	22.31	23.50
HIGH			Q16	21.97	22.18	21.90	23.50	
3		LOW	Q16	21.89	22.14	21.76	23.50	
		MID	Q16	21.86	21.92	22.16	23.50	
		HIGH	Q16	21.96	22.12	22.15	23.50	
6		LOW	Q16	20.66	20.83	20.96	22.50	
1.4		1	LOW	64QAM	20.80	20.80	20.54	22.50
			MID	64QAM	20.70	20.85	20.73	22.50
	HIGH		64QAM	20.73	20.64	20.78	22.50	
	3	LOW	64QAM	20.81	20.90	20.75	22.50	
		MID	64QAM	20.91	20.81	20.53	22.50	
		HIGH	64QAM	20.54	20.89	20.81	22.50	
	6	LOW	64QAM	19.72	19.96	19.76	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.89	22.87	22.82	24.50
MID			QPSK	23.03	23.02	23.03	24.50	
HIGH			QPSK	22.83	22.95	22.99	24.50	
8		LOW	QPSK	21.88	21.89	21.96	23.50	
		MID	QPSK	21.84	22.11	21.89	23.50	
		HIGH	QPSK	21.92	21.72	21.84	23.50	
15		LOW	QPSK	22.10	22.07	22.09	23.50	
3		1	LOW	Q16	21.89	22.16	21.88	23.50
			MID	Q16	21.98	21.89	22.34	23.50
	HIGH		Q16	21.94	22.19	22.12	23.50	
	8	LOW	Q16	20.81	20.82	20.79	22.50	
		MID	Q16	20.83	20.82	20.77	22.50	
		HIGH	Q16	20.62	21.01	20.95	22.50	
	15	LOW	Q16	20.68	20.98	20.91	22.50	
	3	1	LOW	64QAM	20.80	20.70	20.67	22.50
			MID	64QAM	20.97	20.70	20.56	22.50
HIGH			64QAM	20.52	20.78	20.83	22.50	
8		LOW	64QAM	19.77	19.69	19.78	21.50	
		MID	64QAM	19.72	19.88	19.80	21.50	
		HIGH	64QAM	19.81	19.79	19.88	21.50	
15		LOW	64QAM	19.78	19.89	19.84	21.50	

LTE B2-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	22.84	22.73	22.67	24.50	
		MID	QPSK	22.99	23.16	22.87	24.50	
		HIGH	QPSK	22.67	22.79	22.83	24.50	
	12	LOW	QPSK	21.83	21.73	21.95	23.50	
		MID	QPSK	21.89	22.03	21.83	23.50	
		HIGH	QPSK	21.86	21.79	21.71	23.50	
	25	LOW	QPSK	22.24	21.79	21.92	23.50	
	5	1	LOW	Q16	22.09	22.10	21.81	23.50
			MID	Q16	21.90	21.67	22.10	23.50
HIGH			Q16	21.95	22.09	21.90	23.50	
12		LOW	Q16	21.03	20.78	20.91	22.50	
		MID	Q16	20.80	20.99	20.71	22.50	
		HIGH	Q16	20.58	20.91	20.95	22.50	
25		LOW	Q16	20.83	21.03	20.84	22.50	
5		1	LOW	64QAM	20.77	20.87	20.67	22.50
			MID	64QAM	21.00	20.70	20.66	22.50
	HIGH		64QAM	20.59	20.79	20.56	22.50	
	12	LOW	64QAM	19.89	19.97	19.93	21.50	
		MID	64QAM	19.53	19.87	19.86	21.50	
		HIGH	64QAM	19.82	19.73	20.06	21.50	
	25	LOW	64QAM	19.76	19.93	19.88	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	22.87	22.97	22.59	24.50
MID			QPSK	23.19	23.15	22.85	24.50	
HIGH			QPSK	22.66	22.85	22.84	24.50	
25		LOW	QPSK	21.70	21.76	21.80	23.50	
		MID	QPSK	21.91	21.98	21.96	23.50	
		HIGH	QPSK	21.99	21.63	21.83	23.50	
50		LOW	QPSK	22.03	21.88	21.98	23.50	
10		1	LOW	Q16	21.86	21.89	21.68	23.50
			MID	Q16	21.81	21.84	22.36	23.50
	HIGH		Q16	22.08	22.02	22.16	23.50	
	25	LOW	Q16	20.97	20.81	20.77	22.50	
		MID	Q16	20.90	20.93	20.67	22.50	
		HIGH	Q16	20.63	20.78	20.86	22.50	
	50	LOW	Q16	20.74	21.11	20.98	22.50	
	10	1	LOW	64QAM	20.69	20.77	20.76	22.50
			MID	64QAM	20.88	20.91	20.89	22.50
HIGH			64QAM	20.67	20.73	20.79	22.50	
25		LOW	64QAM	19.66	19.69	19.80	21.50	
		MID	64QAM	19.75	20.05	19.73	21.50	
		HIGH	64QAM	19.91	19.90	19.85	21.50	
50		LOW	64QAM	19.59	19.97	19.90	21.50	

LTE B2-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	22.89	22.73	22.69	24.50	
		MID	QPSK	23.21	23.02	23.04	24.50	
		HIGH	QPSK	22.84	22.78	22.86	24.50	
	36	LOW	QPSK	21.97	21.88	22.00	23.50	
		MID	QPSK	21.96	22.01	22.06	23.50	
		HIGH	QPSK	21.77	21.69	21.64	23.50	
	75	LOW	QPSK	21.99	21.99	22.10	23.50	
	15	1	LOW	Q16	21.87	22.10	21.71	23.50
			MID	Q16	21.87	21.82	22.17	23.50
HIGH			Q16	21.98	22.20	21.92	23.50	
36		LOW	Q16	21.10	20.82	21.05	22.50	
		MID	Q16	20.77	20.99	20.68	22.50	
		HIGH	Q16	20.60	21.07	21.09	22.50	
75		LOW	Q16	20.61	21.08	20.90	22.50	
15		1	LOW	64QAM	20.74	20.86	20.78	22.50
			MID	64QAM	20.95	20.75	20.70	22.50
	HIGH		64QAM	20.66	20.62	20.56	22.50	
	36	LOW	64QAM	19.72	19.74	19.67	21.50	
		MID	64QAM	19.60	20.04	19.62	21.50	
		HIGH	64QAM	19.86	19.82	20.12	21.50	
	75	LOW	64QAM	19.70	20.03	19.71	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	22.95	22.88	22.73	24.50
MID			QPSK	23.09	23.07	23.00	24.50	
HIGH			QPSK	22.78	22.85	22.92	24.50	
50		LOW	QPSK	21.84	21.82	21.95	23.50	
		MID	QPSK	21.93	21.96	21.96	23.50	
		HIGH	QPSK	21.88	21.70	21.72	23.50	
100		LOW	QPSK	22.10	21.92	22.02	23.50	
20		1	LOW	Q16	22.01	22.01	21.82	23.50
			MID	Q16	21.93	21.81	22.21	23.50
	HIGH		Q16	21.96	22.16	22.03	23.50	
	50	LOW	Q16	20.96	20.78	20.92	22.50	
		MID	Q16	20.84	20.92	20.73	22.50	
		HIGH	Q16	20.62	20.92	20.94	22.50	
	100	LOW	Q16	20.68	20.96	20.94	22.50	
	20	1	LOW	64QAM	20.83	20.78	20.69	22.50
			MID	64QAM	20.85	20.80	20.64	22.50
HIGH			64QAM	20.62	20.77	20.71	22.50	
50		LOW	64QAM	19.80	19.82	19.82	21.50	
		MID	64QAM	19.66	19.98	19.74	21.50	
		HIGH	64QAM	19.94	19.75	19.98	21.50	
100		LOW	64QAM	19.71	19.93	19.79	21.50	

LTE B2-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	14.68	14.84	14.67	15.50	
		MID	QPSK	14.87	14.79	14.96	15.50	
		HIGH	QPSK	14.66	14.52	14.61	15.50	
	3	LOW	QPSK	14.69	14.74	14.56	15.50	
		MID	QPSK	14.92	14.97	14.87	15.50	
		HIGH	QPSK	14.65	14.80	14.61	15.50	
	6	LOW	QPSK	14.44	14.54	14.66	15.50	
	1.4	1	LOW	Q16	14.83	14.91	15.08	15.50
			MID	Q16	14.99	15.11	14.88	15.50
HIGH			Q16	14.68	14.66	14.97	15.50	
3		LOW	Q16	14.73	14.80	15.15	15.50	
		MID	Q16	14.89	14.86	15.03	15.50	
		HIGH	Q16	14.92	14.56	15.01	15.50	
6		LOW	Q16	14.60	14.57	14.79	15.50	
1.4		1	LOW	64QAM	14.55	14.61	14.77	15.50
			MID	64QAM	14.65	14.52	14.63	15.50
	HIGH		64QAM	14.46	14.52	14.56	15.50	
	3	LOW	64QAM	14.63	14.56	14.74	15.50	
		MID	64QAM	14.70	14.71	14.48	15.50	
		HIGH	64QAM	14.68	14.59	14.46	15.50	
	6	LOW	64QAM	14.55	14.47	14.49	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	14.70	14.66	14.71	15.50
MID			QPSK	14.99	14.99	14.77	15.50	
HIGH			QPSK	14.53	14.63	14.72	15.50	
8		LOW	QPSK	14.80	14.62	14.69	15.50	
		MID	QPSK	14.70	14.60	14.59	15.50	
		HIGH	QPSK	14.89	14.86	14.40	15.50	
15		LOW	QPSK	14.53	14.79	14.76	15.50	
3		1	LOW	Q16	14.80	14.84	15.05	15.50
			MID	Q16	14.84	15.04	15.03	15.50
	HIGH		Q16	14.95	14.71	14.90	15.50	
	8	LOW	Q16	14.64	14.70	14.80	15.50	
		MID	Q16	14.42	14.49	14.80	15.50	
		HIGH	Q16	14.69	14.59	14.57	15.50	
	15	LOW	Q16	14.38	14.61	14.68	15.50	
	3	1	LOW	64QAM	14.76	14.67	14.80	15.50
			MID	64QAM	14.71	14.71	14.55	15.50
HIGH			64QAM	14.56	14.35	14.42	15.50	
8		LOW	64QAM	14.60	14.68	14.85	15.50	
		MID	64QAM	14.76	14.85	14.89	15.50	
		HIGH	64QAM	14.54	14.68	14.92	15.50	
15		LOW	64QAM	14.41	14.54	14.48	15.50	

LTE B2-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	14.90	14.70	14.57	15.50	
		MID	QPSK	14.77	15.03	14.87	15.50	
		HIGH	QPSK	14.51	14.60	14.85	15.50	
	12	LOW	QPSK	14.58	14.78	14.84	15.50	
		MID	QPSK	14.52	14.58	14.72	15.50	
		HIGH	QPSK	14.67	14.74	14.44	15.50	
	25	LOW	QPSK	14.52	14.59	14.80	15.50	
	5	1	LOW	Q16	14.91	14.83	14.85	15.50
			MID	Q16	14.85	14.99	14.97	15.50
HIGH			Q16	14.80	14.84	15.02	15.50	
12		LOW	Q16	14.60	14.77	14.62	15.50	
		MID	Q16	14.36	14.55	14.79	15.50	
		HIGH	Q16	14.66	14.61	14.75	15.50	
25		LOW	Q16	14.50	14.68	14.73	15.50	
5		1	LOW	64QAM	14.55	14.65	14.70	15.50
			MID	64QAM	14.75	14.46	14.39	15.50
	HIGH		64QAM	14.64	14.45	14.63	15.50	
	12	LOW	64QAM	14.61	14.56	14.85	15.50	
		MID	64QAM	14.65	14.90	14.79	15.50	
		HIGH	64QAM	14.59	14.66	14.86	15.50	
	25	LOW	64QAM	14.54	14.52	14.39	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	14.64	14.66	14.54	15.50
MID			QPSK	14.90	14.84	14.96	15.50	
HIGH			QPSK	14.47	14.78	14.62	15.50	
25		LOW	QPSK	14.83	14.58	14.89	15.50	
		MID	QPSK	14.48	14.63	14.67	15.50	
		HIGH	QPSK	14.78	14.72	14.47	15.50	
50	LOW	QPSK	14.57	14.55	14.70	15.50		
10	1	LOW	Q16	14.90	14.67	15.08	15.50	
		MID	Q16	14.79	15.01	14.83	15.50	
		HIGH	Q16	14.66	14.81	14.87	15.50	
	25	LOW	Q16	14.68	14.66	14.76	15.50	
		MID	Q16	14.55	14.49	14.76	15.50	
		HIGH	Q16	14.66	14.55	14.70	15.50	
50	LOW	Q16	14.42	14.52	14.77	15.50		
10	1	LOW	64QAM	14.55	14.60	14.80	15.50	
		MID	64QAM	14.57	14.50	14.46	15.50	
		HIGH	64QAM	14.50	14.47	14.42	15.50	
	25	LOW	64QAM	14.53	14.61	14.66	15.50	
		MID	64QAM	14.93	14.73	14.92	15.50	
		HIGH	64QAM	14.64	14.71	14.81	15.50	
	50	LOW	64QAM	14.56	14.39	14.55	15.50	



LTE B2-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	14.94	14.57	14.50	15.50	
		MID	QPSK	14.83	14.85	14.73	15.50	
		HIGH	QPSK	14.41	14.77	14.59	15.50	
	36	LOW	QPSK	14.63	14.76	14.69	15.50	
		MID	QPSK	14.70	14.43	14.75	15.50	
		HIGH	QPSK	14.75	14.79	14.38	15.50	
	75	LOW	QPSK	14.47	14.66	14.66	15.50	
	15	1	LOW	Q16	14.65	14.75	14.96	15.50
			MID	Q16	14.80	15.07	14.92	15.50
HIGH			Q16	14.71	14.71	14.93	15.50	
36		LOW	Q16	14.65	14.54	14.79	15.50	
		MID	Q16	14.49	14.55	14.79	15.50	
		HIGH	Q16	14.61	14.63	14.69	15.50	
75		LOW	Q16	14.58	14.62	14.56	15.50	
15		1	LOW	64QAM	14.75	14.75	14.69	15.50
			MID	64QAM	14.65	14.67	14.61	15.50
	HIGH		64QAM	14.63	14.41	14.57	15.50	
	36	LOW	64QAM	14.55	14.63	14.89	15.50	
		MID	64QAM	14.69	14.78	14.90	15.50	
		HIGH	64QAM	14.46	14.74	14.95	15.50	
	75	LOW	64QAM	14.37	14.40	14.47	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	14.79	14.70	14.56	15.50
MID			QPSK	14.89	14.92	14.85	15.50	
HIGH			QPSK	14.54	14.67	14.73	15.50	
50		LOW	QPSK	14.71	14.66	14.77	15.50	
		MID	QPSK	14.58	14.58	14.68	15.50	
		HIGH	QPSK	14.80	14.83	14.50	15.50	
100		LOW	QPSK	14.54	14.68	14.66	15.50	
20		1	LOW	Q16	14.76	14.81	15.00	15.50
			MID	Q16	14.85	14.97	14.93	15.50
	HIGH		Q16	14.80	14.69	14.91	15.50	
	50	LOW	Q16	14.65	14.68	14.77	15.50	
		MID	Q16	14.49	14.54	14.79	15.50	
		HIGH	Q16	14.70	14.48	14.65	15.50	
	100	LOW	Q16	14.51	14.66	14.69	15.50	
	20	1	LOW	64QAM	14.62	14.66	14.66	15.50
			MID	64QAM	14.61	14.60	14.52	15.50
HIGH			64QAM	14.54	14.47	14.55	15.50	
50		LOW	64QAM	14.59	14.71	14.80	15.50	
		MID	64QAM	14.78	14.86	14.89	15.50	
		HIGH	64QAM	14.54	14.69	14.90	15.50	
100		LOW	64QAM	14.51	14.52	14.52	15.50	

LTE B2-DSi4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.09	22.86	22.75	24.50	
		MID	QPSK	23.05	23.00	23.04	24.50	
		HIGH	QPSK	22.77	22.78	22.97	24.50	
	3	LOW	QPSK	22.90	23.02	22.86	24.50	
		MID	QPSK	23.03	22.93	23.07	24.50	
		HIGH	QPSK	22.92	22.88	23.04	24.50	
	6	LOW	QPSK	22.11	21.83	21.90	23.50	
	1.4	1	LOW	Q16	22.02	22.15	21.72	23.50
			MID	Q16	22.08	21.80	22.31	23.50
HIGH			Q16	21.97	22.18	21.90	23.50	
3		LOW	Q16	21.89	22.14	21.76	23.50	
		MID	Q16	21.86	21.92	22.16	23.50	
		HIGH	Q16	21.96	22.12	22.15	23.50	
6		LOW	Q16	20.66	20.83	20.96	22.50	
1.4		1	LOW	64QAM	20.80	20.80	20.54	22.50
			MID	64QAM	20.70	20.85	20.73	22.50
	HIGH		64QAM	20.73	20.64	20.78	22.50	
	3	LOW	64QAM	20.81	20.90	20.75	22.50	
		MID	64QAM	20.91	20.81	20.53	22.50	
		HIGH	64QAM	20.54	20.89	20.81	22.50	
	6	LOW	64QAM	19.72	19.96	19.76	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.89	22.87	22.82	24.50
MID			QPSK	23.03	23.02	23.03	24.50	
HIGH			QPSK	22.83	22.95	22.99	24.50	
8		LOW	QPSK	21.88	21.89	21.96	23.50	
		MID	QPSK	21.84	22.11	21.89	23.50	
		HIGH	QPSK	21.92	21.72	21.84	23.50	
15		LOW	QPSK	22.10	22.07	22.09	23.50	
3		1	LOW	Q16	21.89	22.16	21.88	23.50
			MID	Q16	21.98	21.89	22.34	23.50
	HIGH		Q16	21.94	22.19	22.12	23.50	
	8	LOW	Q16	20.81	20.82	20.79	22.50	
		MID	Q16	20.83	20.82	20.77	22.50	
		HIGH	Q16	20.62	21.01	20.95	22.50	
	15	LOW	Q16	20.68	20.98	20.91	22.50	
	3	1	LOW	64QAM	20.80	20.70	20.67	22.50
			MID	64QAM	20.97	20.70	20.56	22.50
HIGH			64QAM	20.52	20.78	20.83	22.50	
8		LOW	64QAM	19.77	19.69	19.78	21.50	
		MID	64QAM	19.72	19.88	19.80	21.50	
		HIGH	64QAM	19.81	19.79	19.88	21.50	
15		LOW	64QAM	19.78	19.89	19.84	21.50	

LTE B2-DSi4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	22.84	22.73	22.67	24.50	
		MID	QPSK	22.99	23.16	22.87	24.50	
		HIGH	QPSK	22.67	22.79	22.83	24.50	
	12	LOW	QPSK	21.83	21.73	21.95	23.50	
		MID	QPSK	21.89	22.03	21.83	23.50	
		HIGH	QPSK	21.86	21.79	21.71	23.50	
	25	LOW	QPSK	22.24	21.79	21.92	23.50	
	5	1	LOW	Q16	22.09	22.10	21.81	23.50
			MID	Q16	21.90	21.67	22.10	23.50
HIGH			Q16	21.95	22.09	21.90	23.50	
12		LOW	Q16	21.03	20.78	20.91	22.50	
		MID	Q16	20.80	20.99	20.71	22.50	
		HIGH	Q16	20.58	20.91	20.95	22.50	
25		LOW	Q16	20.83	21.03	20.84	22.50	
5		1	LOW	64QAM	20.77	20.87	20.67	22.50
			MID	64QAM	21.00	20.70	20.66	22.50
	HIGH		64QAM	20.59	20.79	20.56	22.50	
	12	LOW	64QAM	19.89	19.97	19.93	21.50	
		MID	64QAM	19.53	19.87	19.86	21.50	
		HIGH	64QAM	19.82	19.73	20.06	21.50	
	25	LOW	64QAM	19.76	19.93	19.88	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	22.87	22.97	22.59	24.50
MID			QPSK	23.19	23.15	22.85	24.50	
HIGH			QPSK	22.66	22.85	22.84	24.50	
25		LOW	QPSK	21.70	21.76	21.80	23.50	
		MID	QPSK	21.91	21.98	21.96	23.50	
		HIGH	QPSK	21.99	21.63	21.83	23.50	
50		LOW	QPSK	22.03	21.88	21.98	23.50	
10		1	LOW	Q16	21.86	21.89	21.68	23.50
			MID	Q16	21.81	21.84	22.36	23.50
	HIGH		Q16	22.08	22.02	22.16	23.50	
	25	LOW	Q16	20.97	20.81	20.77	22.50	
		MID	Q16	20.90	20.93	20.67	22.50	
		HIGH	Q16	20.63	20.78	20.86	22.50	
	50	LOW	Q16	20.74	21.11	20.98	22.50	
	10	1	LOW	64QAM	20.69	20.77	20.76	22.50
			MID	64QAM	20.88	20.91	20.89	22.50
HIGH			64QAM	20.67	20.73	20.79	22.50	
25		LOW	64QAM	19.66	19.69	19.80	21.50	
		MID	64QAM	19.75	20.05	19.73	21.50	
		HIGH	64QAM	19.91	19.90	19.85	21.50	
50		LOW	64QAM	19.59	19.97	19.90	21.50	

LTE B2-DSi4 -Ant.13 (ENDC)								
Bandwidth (M)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	22.89	22.73	22.69	24.50	
		MID	QPSK	23.21	23.02	23.04	24.50	
		HIGH	QPSK	22.84	22.78	22.86	24.50	
	36	LOW	QPSK	21.97	21.88	22.00	23.50	
		MID	QPSK	21.96	22.01	22.06	23.50	
		HIGH	QPSK	21.77	21.69	21.64	23.50	
	75	LOW	QPSK	21.99	21.99	22.10	23.50	
	15	1	LOW	Q16	21.87	22.10	21.71	23.50
			MID	Q16	21.87	21.82	22.17	23.50
HIGH			Q16	21.98	22.20	21.92	23.50	
36		LOW	Q16	21.10	20.82	21.05	22.50	
		MID	Q16	20.77	20.99	20.68	22.50	
		HIGH	Q16	20.60	21.07	21.09	22.50	
75		LOW	Q16	20.61	21.08	20.90	22.50	
15		1	LOW	64QAM	20.74	20.86	20.78	22.50
			MID	64QAM	20.95	20.75	20.70	22.50
	HIGH		64QAM	20.66	20.62	20.56	22.50	
	36	LOW	64QAM	19.72	19.74	19.67	21.50	
		MID	64QAM	19.60	20.04	19.62	21.50	
		HIGH	64QAM	19.86	19.82	20.12	21.50	
	75	LOW	64QAM	19.70	20.03	19.71	21.50	
	Bandwidth (M)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	22.95	22.88	22.73	24.50
MID			QPSK	23.09	23.07	23.00	24.50	
HIGH			QPSK	22.78	22.85	22.92	24.50	
50		LOW	QPSK	21.84	21.82	21.95	23.50	
		MID	QPSK	21.93	21.96	21.96	23.50	
		HIGH	QPSK	21.88	21.70	21.72	23.50	
100		LOW	QPSK	22.10	21.92	22.02	23.50	
20		1	LOW	Q16	22.01	22.01	21.82	23.50
			MID	Q16	21.93	21.81	22.21	23.50
	HIGH		Q16	21.96	22.16	22.03	23.50	
	50	LOW	Q16	20.96	20.78	20.92	22.50	
		MID	Q16	20.84	20.92	20.73	22.50	
		HIGH	Q16	20.62	20.92	20.94	22.50	
	100	LOW	Q16	20.68	20.96	20.94	22.50	
	20	1	LOW	64QAM	20.83	20.78	20.69	22.50
			MID	64QAM	20.85	20.80	20.64	22.50
HIGH			64QAM	20.62	20.77	20.71	22.50	
50		LOW	64QAM	19.80	19.82	19.82	21.50	
		MID	64QAM	19.66	19.98	19.74	21.50	
		HIGH	64QAM	19.94	19.75	19.98	21.50	
100		LOW	64QAM	19.71	19.93	19.79	21.50	

LTE B2-DSIS -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.71	17.78	17.83	18.50	
		MID	QPSK	18.04	17.96	18.07	18.50	
		HIGH	QPSK	17.51	17.55	17.62	18.50	
	3	LOW	QPSK	17.83	17.66	17.79	18.50	
		MID	QPSK	17.94	17.95	18.07	18.50	
		HIGH	QPSK	17.41	17.80	17.66	18.50	
	6	LOW	QPSK	17.86	17.64	17.96	18.50	
	1.4	1	LOW	Q16	17.85	17.98	17.73	18.50
			MID	Q16	17.90	17.94	17.86	18.50
HIGH			Q16	17.76	17.91	18.05	18.50	
3		LOW	Q16	17.89	18.02	17.74	18.50	
		MID	Q16	17.76	17.79	18.00	18.50	
		HIGH	Q16	17.74	17.79	17.87	18.50	
6		LOW	Q16	17.58	17.59	17.65	18.50	
1.4		1	LOW	64QAM	17.64	17.72	17.42	18.50
			MID	64QAM	17.71	17.41	17.53	18.50
	HIGH		64QAM	17.45	17.59	17.56	18.50	
	3	LOW	64QAM	17.42	17.64	17.45	18.50	
		MID	64QAM	17.83	17.47	17.48	18.50	
		HIGH	64QAM	17.50	17.77	17.48	18.50	
	6	LOW	64QAM	17.76	17.73	17.84	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	17.73	17.69	17.85	18.50
MID			QPSK	18.13	17.88	18.06	18.50	
HIGH			QPSK	17.63	17.84	17.59	18.50	
8		LOW	QPSK	18.05	17.83	17.63	18.50	
		MID	QPSK	17.57	17.57	17.87	18.50	
		HIGH	QPSK	17.85	17.70	17.81	18.50	
15		LOW	QPSK	17.90	17.71	17.76	18.50	
3		1	LOW	Q16	17.77	17.75	17.76	18.50
			MID	Q16	17.92	17.78	17.99	18.50
	HIGH		Q16	17.64	18.07	17.81	18.50	
	8	LOW	Q16	17.77	17.75	17.72	18.50	
		MID	Q16	17.72	17.84	17.60	18.50	
		HIGH	Q16	17.89	17.50	17.90	18.50	
	15	LOW	Q16	17.37	17.44	17.79	18.50	
	3	1	LOW	64QAM	17.38	17.61	17.46	18.50
			MID	64QAM	17.78	17.57	17.44	18.50
HIGH			64QAM	17.62	17.82	17.48	18.50	
8		LOW	64QAM	17.74	17.81	17.88	18.50	
		MID	64QAM	17.40	17.99	17.57	18.50	
		HIGH	64QAM	17.74	17.75	17.60	18.50	
15		LOW	64QAM	17.82	17.75	17.70	18.50	

LTE B2-DSIS -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	17.79	17.85	17.74	18.50	
		MID	QPSK	18.05	18.04	17.98	18.50	
		HIGH	QPSK	17.55	17.55	17.56	18.50	
	12	LOW	QPSK	17.87	17.66	17.55	18.50	
		MID	QPSK	17.74	17.59	17.60	18.50	
		HIGH	QPSK	17.94	17.96	17.80	18.50	
	25	LOW	QPSK	17.96	17.73	17.78	18.50	
	5	1	LOW	Q16	17.86	17.86	18.00	18.50
			MID	Q16	17.79	17.79	17.91	18.50
HIGH			Q16	17.86	17.84	18.00	18.50	
12		LOW	Q16	17.54	17.59	17.80	18.50	
		MID	Q16	17.78	17.73	17.83	18.50	
		HIGH	Q16	17.72	17.48	17.96	18.50	
25		LOW	Q16	17.63	17.51	17.66	18.50	
5		1	LOW	64QAM	17.53	17.65	17.57	18.50
			MID	64QAM	17.54	17.62	17.64	18.50
	HIGH		64QAM	17.59	17.68	17.37	18.50	
	12	LOW	64QAM	17.79	17.70	17.83	18.50	
		MID	64QAM	17.52	17.89	17.60	18.50	
		HIGH	64QAM	17.89	17.76	17.52	18.50	
	25	LOW	64QAM	17.80	17.90	17.70	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	17.78	17.91	17.65	18.50
MID			QPSK	17.96	18.13	18.11	18.50	
HIGH			QPSK	17.47	17.64	17.65	18.50	
25		LOW	QPSK	18.03	17.81	17.62	18.50	
		MID	QPSK	17.66	17.78	17.65	18.50	
		HIGH	QPSK	18.00	17.75	17.90	18.50	
50	LOW	QPSK	18.00	17.84	17.82	18.50		
10	1	LOW	Q16	17.92	17.90	17.88	18.50	
		MID	Q16	18.02	17.90	18.12	18.50	
		HIGH	Q16	17.67	18.03	17.78	18.50	
	25	LOW	Q16	17.79	17.57	17.73	18.50	
		MID	Q16	17.61	17.79	17.67	18.50	
		HIGH	Q16	17.70	17.53	17.96	18.50	
50	LOW	Q16	17.58	17.64	17.67	18.50		
10	1	LOW	64QAM	17.59	17.80	17.66	18.50	
		MID	64QAM	17.58	17.39	17.65	18.50	
		HIGH	64QAM	17.54	17.74	17.41	18.50	
	25	LOW	64QAM	17.83	17.71	17.62	18.50	
		MID	64QAM	17.60	17.82	17.75	18.50	
		HIGH	64QAM	17.96	17.82	17.67	18.50	
	50	LOW	64QAM	17.79	17.92	17.75	18.50	

LTE B2-DSIS -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	17.89	17.89	17.88	18.50	
		MID	QPSK	17.97	18.07	18.18	18.50	
		HIGH	QPSK	17.67	17.81	17.57	18.50	
	36	LOW	QPSK	17.98	17.59	17.53	18.50	
		MID	QPSK	17.60	17.58	17.73	18.50	
		HIGH	QPSK	17.85	17.93	17.70	18.50	
	75	LOW	QPSK	17.70	17.72	17.95	18.50	
	15	1	LOW	Q16	17.92	17.86	17.78	18.50
			MID	Q16	17.76	17.64	18.00	18.50
HIGH			Q16	17.79	18.01	17.88	18.50	
36		LOW	Q16	17.81	17.81	17.90	18.50	
		MID	Q16	17.80	18.01	17.65	18.50	
		HIGH	Q16	17.92	17.61	17.82	18.50	
75		LOW	Q16	17.59	17.42	17.59	18.50	
15		1	LOW	64QAM	17.37	17.70	17.59	18.50
			MID	64QAM	17.79	17.52	17.49	18.50
	HIGH		64QAM	17.66	17.69	17.42	18.50	
	36	LOW	64QAM	17.75	17.82	17.73	18.50	
		MID	64QAM	17.47	17.85	17.74	18.50	
		HIGH	64QAM	17.76	17.83	17.45	18.50	
	75	LOW	64QAM	17.67	17.79	17.57	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	17.74	17.80	17.73	18.50
MID			QPSK	18.06	18.02	18.08	18.50	
HIGH			QPSK	17.56	17.69	17.54	18.50	
50		LOW	QPSK	17.91	17.72	17.65	18.50	
		MID	QPSK	17.68	17.69	17.74	18.50	
		HIGH	QPSK	17.87	17.82	17.85	18.50	
100		LOW	QPSK	17.85	17.69	17.82	18.50	
20		1	LOW	Q16	17.88	17.90	17.85	18.50
			MID	Q16	17.89	17.79	17.98	18.50
	HIGH		Q16	17.76	17.94	17.91	18.50	
	50	LOW	Q16	17.68	17.68	17.84	18.50	
		MID	Q16	17.65	17.88	17.71	18.50	
		HIGH	Q16	17.81	17.49	17.82	18.50	
	100	LOW	Q16	17.48	17.51	17.74	18.50	
	20	1	LOW	64QAM	17.51	17.66	17.51	18.50
			MID	64QAM	17.68	17.51	17.54	18.50
HIGH			64QAM	17.51	17.71	17.48	18.50	
50		LOW	64QAM	17.79	17.69	17.77	18.50	
		MID	64QAM	17.51	17.85	17.65	18.50	
		HIGH	64QAM	17.82	17.89	17.55	18.50	
100		LOW	64QAM	17.73	17.88	17.70	18.50	

LTE B2-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.34	17.36	17.38	18.00	
		MID	QPSK	17.41	17.33	17.06	18.00	
		HIGH	QPSK	17.03	17.14	17.36	18.00	
	3	LOW	QPSK	17.28	17.17	17.38	18.00	
		MID	QPSK	17.21	17.23	17.10	18.00	
		HIGH	QPSK	17.10	17.37	17.35	18.00	
	6	LOW	QPSK	17.37	17.22	17.15	18.00	
	1.4	1	LOW	Q16	17.15	17.14	17.15	18.00
			MID	Q16	17.23	17.26	17.02	18.00
HIGH			Q16	17.39	17.28	17.26	18.00	
3		LOW	Q16	17.15	17.35	17.32	18.00	
		MID	Q16	17.09	17.06	16.93	18.00	
		HIGH	Q16	17.14	17.30	17.39	18.00	
6		LOW	Q16	17.24	16.99	17.12	18.00	
1.4		1	LOW	64QAM	17.43	17.31	17.22	18.00
			MID	64QAM	17.30	17.30	17.09	18.00
	HIGH		64QAM	17.24	17.41	17.09	18.00	
	3	LOW	64QAM	17.25	17.23	17.38	18.00	
		MID	64QAM	17.31	17.11	17.10	18.00	
		HIGH	64QAM	17.13	17.11	17.08	18.00	
	6	LOW	64QAM	17.08	17.17	17.21	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	17.25	17.24	17.39	18.00
MID			QPSK	17.39	17.42	17.10	18.00	
HIGH			QPSK	17.25	17.12	17.33	18.00	
8		LOW	QPSK	17.25	17.35	16.99	18.00	
		MID	QPSK	17.30	17.17	17.20	18.00	
		HIGH	QPSK	17.44	17.28	17.18	18.00	
15		LOW	QPSK	17.18	17.16	17.38	18.00	
3		1	LOW	Q16	16.98	17.28	17.24	18.00
			MID	Q16	17.29	17.01	16.93	18.00
	HIGH		Q16	17.22	17.05	17.44	18.00	
	8	LOW	Q16	17.24	17.28	17.29	18.00	
		MID	Q16	17.31	17.24	17.27	18.00	
		HIGH	Q16	17.58	17.29	17.37	18.00	
	15	LOW	Q16	17.46	17.07	17.21	18.00	
	3	1	LOW	64QAM	17.17	17.07	17.22	18.00
			MID	64QAM	17.21	17.25	17.33	18.00
HIGH			64QAM	17.26	17.17	17.11	18.00	
8		LOW	64QAM	17.21	17.27	17.10	18.00	
		MID	64QAM	17.24	17.13	17.24	18.00	
		HIGH	64QAM	17.37	17.27	16.92	18.00	
15		LOW	64QAM	17.06	17.23	17.32	18.00	



LTE B2-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	17.35	17.17	17.22	18.00	
		MID	QPSK	17.35	17.41	17.23	18.00	
		HIGH	QPSK	17.24	17.28	17.29	18.00	
	12	LOW	QPSK	17.20	17.26	17.05	18.00	
		MID	QPSK	17.21	16.98	17.19	18.00	
		HIGH	QPSK	17.42	17.47	17.00	18.00	
	25	LOW	QPSK	17.22	17.30	17.41	18.00	
	5	1	LOW	Q16	17.14	17.11	17.10	18.00
			MID	Q16	17.03	17.19	17.03	18.00
HIGH			Q16	17.36	17.28	17.23	18.00	
12		LOW	Q16	17.16	17.37	17.39	18.00	
		MID	Q16	17.26	17.26	17.51	18.00	
		HIGH	Q16	17.63	17.44	17.19	18.00	
25		LOW	Q16	17.44	17.01	17.21	18.00	
5		1	LOW	64QAM	17.27	17.30	17.29	18.00
			MID	64QAM	17.10	17.03	17.33	18.00
	HIGH		64QAM	17.17	17.33	17.14	18.00	
	12	LOW	64QAM	17.30	16.97	16.84	18.00	
		MID	64QAM	17.18	16.89	17.38	18.00	
		HIGH	64QAM	17.37	17.29	17.15	18.00	
	25	LOW	64QAM	17.12	17.25	17.21	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	17.47	17.45	17.24	18.00
MID			QPSK	17.42	17.42	17.11	18.00	
HIGH			QPSK	17.18	17.36	17.28	18.00	
25		LOW	QPSK	17.39	17.31	16.95	18.00	
		MID	QPSK	17.49	17.18	17.17	18.00	
		HIGH	QPSK	17.49	17.46	17.11	18.00	
50	LOW	QPSK	17.36	17.13	17.42	18.00		
10	1	LOW	Q16	17.05	17.08	17.32	18.00	
		MID	Q16	17.21	17.23	17.03	18.00	
		HIGH	Q16	17.19	17.12	17.46	18.00	
	25	LOW	Q16	17.17	17.32	17.43	18.00	
		MID	Q16	17.22	17.30	17.26	18.00	
		HIGH	Q16	17.40	17.29	17.25	18.00	
50	LOW	Q16	17.40	17.25	17.19	18.00		
10	1	LOW	64QAM	17.41	17.35	17.47	18.00	
		MID	64QAM	17.32	17.15	17.35	18.00	
		HIGH	64QAM	17.30	17.38	17.12	18.00	
	25	LOW	64QAM	17.23	17.08	16.84	18.00	
		MID	64QAM	17.37	16.85	17.38	18.00	
		HIGH	64QAM	17.35	17.21	17.07	18.00	
	50	LOW	64QAM	16.99	17.43	17.40	18.00	

LTE B2-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	17.49	17.38	17.31	18.00	
		MID	QPSK	17.23	17.28	17.14	18.00	
		HIGH	QPSK	16.98	17.33	17.47	18.00	
	36	LOW	QPSK	17.33	17.37	17.00	18.00	
		MID	QPSK	17.41	17.14	17.44	18.00	
		HIGH	QPSK	17.26	17.37	17.16	18.00	
	75	LOW	QPSK	17.15	17.30	17.22	18.00	
	15	1	LOW	Q16	16.94	17.32	17.35	18.00
			MID	Q16	17.14	17.09	16.93	18.00
HIGH			Q16	17.27	17.20	17.39	18.00	
36		LOW	Q16	17.20	17.27	17.43	18.00	
		MID	Q16	17.15	17.19	17.37	18.00	
		HIGH	Q16	17.62	17.43	17.19	18.00	
75		LOW	Q16	17.36	17.01	17.01	18.00	
15		1	LOW	64QAM	17.32	17.17	17.19	18.00
			MID	64QAM	17.09	17.30	17.19	18.00
	HIGH		64QAM	17.33	17.27	17.09	18.00	
	36	LOW	64QAM	17.33	17.12	17.01	18.00	
		MID	64QAM	17.23	16.98	17.24	18.00	
		HIGH	64QAM	17.36	17.08	16.99	18.00	
	75	LOW	64QAM	16.98	17.38	17.20	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	17.37	17.31	17.32	18.00
MID			QPSK	17.30	17.28	17.19	18.00	
HIGH			QPSK	17.12	17.26	17.41	18.00	
50		LOW	QPSK	17.31	17.24	17.07	18.00	
		MID	QPSK	17.34	17.12	17.31	18.00	
		HIGH	QPSK	17.34	17.38	17.10	18.00	
100	LOW	QPSK	17.22	17.22	17.28	18.00		
20	1	LOW	Q16	17.03	17.20	17.24	18.00	
		MID	Q16	17.18	17.12	17.08	18.00	
		HIGH	Q16	17.29	17.19	17.31	18.00	
	50	LOW	Q16	17.28	17.30	17.28	18.00	
		MID	Q16	17.29	17.28	17.37	18.00	
		HIGH	Q16	17.49	17.34	17.25	18.00	
100	LOW	Q16	17.37	17.12	17.11	18.00		
20	1	LOW	64QAM	17.28	17.21	17.34	18.00	
		MID	64QAM	17.19	17.18	17.24	18.00	
		HIGH	64QAM	17.23	17.26	17.06	18.00	
	50	LOW	64QAM	17.18	17.12	16.98	18.00	
		MID	64QAM	17.32	17.00	17.28	18.00	
		HIGH	64QAM	17.32	17.21	17.03	18.00	
	100	LOW	64QAM	17.02	17.29	17.27	18.00	

### 8.3.1 LTE Band2 Output Power(UL Inter CA)

LTE B2-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.09	21.09	21.09	22.50	
		MID	QPSK	21.18	21.08	20.92	22.50	
		HIGH	QPSK	20.70	20.84	21.08	22.50	
	3	LOW	QPSK	20.99	20.94	21.13	22.50	
		MID	QPSK	20.99	21.08	20.76	22.50	
		HIGH	QPSK	20.95	21.07	21.02	22.50	
	6	LOW	QPSK	19.92	20.13	19.82	21.50	
	1.4	1	LOW	Q16	20.01	19.96	20.16	21.50
			MID	Q16	19.82	19.90	19.94	21.50
HIGH			Q16	19.98	19.70	19.82	21.50	
3		LOW	Q16	20.04	19.95	20.17	21.50	
		MID	Q16	19.73	20.00	19.91	21.50	
		HIGH	Q16	19.94	19.92	20.07	21.50	
6		LOW	Q16	19.04	18.86	18.99	20.50	
1.4		1	LOW	64QAM	18.94	19.04	19.07	20.50
			MID	64QAM	19.02	19.00	19.19	20.50
	HIGH		64QAM	19.06	19.26	18.95	20.50	
	3	LOW	64QAM	19.15	19.02	19.11	20.50	
		MID	64QAM	19.11	19.21	19.17	20.50	
		HIGH	64QAM	18.85	19.14	18.98	20.50	
	6	LOW	64QAM	18.22	17.92	17.88	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	21.10	21.17	21.08	22.50
MID			QPSK	21.22	21.04	21.03	22.50	
HIGH			QPSK	20.86	20.92	20.99	22.50	
8		LOW	QPSK	19.75	20.19	19.79	21.50	
		MID	QPSK	20.11	20.19	20.07	21.50	
		HIGH	QPSK	20.22	20.04	19.74	21.50	
15		LOW	QPSK	20.05	20.20	20.02	21.50	
3		1	LOW	Q16	19.89	20.14	19.96	21.50
			MID	Q16	20.01	20.16	19.91	21.50
	HIGH		Q16	19.98	19.74	19.83	21.50	
	8	LOW	Q16	18.98	18.96	19.07	20.50	
		MID	Q16	19.09	18.87	19.03	20.50	
		HIGH	Q16	19.07	19.16	18.84	20.50	
	15	LOW	Q16	19.23	18.84	19.13	20.50	
	3	1	LOW	64QAM	19.15	19.05	19.16	20.50
			MID	64QAM	19.03	19.18	19.00	20.50
HIGH			64QAM	19.02	19.16	19.03	20.50	
8		LOW	64QAM	17.91	17.98	17.97	19.50	
		MID	64QAM	17.91	18.03	18.08	19.50	
		HIGH	64QAM	18.03	18.04	17.80	19.50	
15		LOW	64QAM	18.28	18.10	17.87	19.50	

LTE B2-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	20.94	20.97	21.16	22.50	
		MID	QPSK	20.99	21.25	21.03	22.50	
		HIGH	QPSK	20.84	20.96	20.91	22.50	
	12	LOW	QPSK	19.98	20.12	19.72	21.50	
		MID	QPSK	19.84	20.12	19.92	21.50	
		HIGH	QPSK	20.02	20.12	19.81	21.50	
	25	LOW	QPSK	20.09	20.01	19.91	21.50	
	5	1	LOW	Q16	19.90	20.03	20.01	21.50
			MID	Q16	19.72	20.18	20.17	21.50
HIGH			Q16	19.89	19.79	19.86	21.50	
12		LOW	Q16	19.01	18.91	18.99	20.50	
		MID	Q16	19.01	19.09	19.27	20.50	
		HIGH	Q16	18.81	19.09	18.83	20.50	
25		LOW	Q16	19.19	19.05	19.20	20.50	
5		1	LOW	64QAM	19.07	18.97	19.03	20.50
			MID	64QAM	19.08	19.11	19.20	20.50
	HIGH		64QAM	18.80	19.13	19.12	20.50	
	12	LOW	64QAM	17.81	17.89	18.09	19.50	
		MID	64QAM	17.97	18.17	18.00	19.50	
		HIGH	64QAM	17.86	17.94	17.92	19.50	
	25	LOW	64QAM	18.05	17.89	17.82	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	20.92	21.11	21.05	22.50
MID			QPSK	20.93	21.08	20.86	22.50	
HIGH			QPSK	20.88	20.99	20.95	22.50	
25		LOW	QPSK	19.88	20.21	19.94	21.50	
		MID	QPSK	19.89	20.08	19.92	21.50	
		HIGH	QPSK	20.12	20.15	19.87	21.50	
50	LOW	QPSK	19.94	20.24	20.07	21.50		
10	1	LOW	Q16	20.04	20.06	20.05	21.50	
		MID	Q16	19.79	20.11	19.91	21.50	
		HIGH	Q16	20.05	19.78	19.84	21.50	
	25	LOW	Q16	18.94	18.82	19.10	20.50	
		MID	Q16	19.06	18.98	19.08	20.50	
		HIGH	Q16	19.00	18.95	19.12	20.50	
50	LOW	Q16	18.99	18.94	19.19	20.50		
10	1	LOW	64QAM	18.94	18.80	19.18	20.50	
		MID	64QAM	19.00	19.13	19.07	20.50	
		HIGH	64QAM	19.03	18.97	18.92	20.50	
	25	LOW	64QAM	17.85	18.06	18.07	19.50	
		MID	64QAM	17.91	18.08	18.06	19.50	
		HIGH	64QAM	18.12	17.87	17.77	19.50	
	50	LOW	64QAM	18.20	18.03	18.09	19.50	

LTE B2-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	20.93	21.13	21.01	22.50	
		MID	QPSK	21.04	21.08	20.78	22.50	
		HIGH	QPSK	20.87	21.06	20.99	22.50	
	36	LOW	QPSK	19.85	20.04	19.78	21.50	
		MID	QPSK	19.84	20.02	19.96	21.50	
		HIGH	QPSK	20.22	20.16	19.91	21.50	
	75	LOW	QPSK	20.18	20.03	19.90	21.50	
	15	1	LOW	Q16	19.96	19.98	19.94	21.50
			MID	Q16	19.94	20.15	20.11	21.50
HIGH			Q16	20.01	19.92	19.83	21.50	
36		LOW	Q16	18.89	18.98	18.99	20.50	
		MID	Q16	18.80	18.96	19.11	20.50	
		HIGH	Q16	18.81	18.95	19.05	20.50	
75		LOW	Q16	19.11	19.06	18.97	20.50	
15		1	LOW	64QAM	19.15	19.09	19.21	20.50
			MID	64QAM	19.04	19.02	19.07	20.50
	HIGH		64QAM	18.95	19.22	19.18	20.50	
	36	LOW	64QAM	17.76	18.13	18.01	19.50	
		MID	64QAM	17.89	18.01	17.94	19.50	
		HIGH	64QAM	18.12	18.07	17.83	19.50	
	75	LOW	64QAM	18.18	18.16	17.84	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	21.00	21.06	21.15	22.50
MID			QPSK	21.08	21.11	20.89	22.50	
HIGH			QPSK	20.85	20.98	21.02	22.50	
50		LOW	QPSK	19.86	20.06	19.85	21.50	
		MID	QPSK	19.96	20.12	20.03	21.50	
		HIGH	QPSK	20.08	20.11	19.89	21.50	
100		LOW	QPSK	20.07	20.15	19.97	21.50	
20		1	LOW	Q16	19.89	20.06	20.08	21.50
			MID	Q16	19.87	20.05	20.02	21.50
	HIGH		Q16	19.99	19.85	19.95	21.50	
	50	LOW	Q16	18.88	18.96	19.06	20.50	
		MID	Q16	18.94	19.01	19.15	20.50	
		HIGH	Q16	18.95	19.07	18.98	20.50	
	100	LOW	Q16	19.13	18.94	19.10	20.50	
	20	1	LOW	64QAM	19.01	18.95	19.11	20.50
			MID	64QAM	19.10	19.10	19.12	20.50
HIGH			64QAM	18.91	19.11	19.04	20.50	
50		LOW	64QAM	17.89	18.03	17.94	19.50	
		MID	64QAM	18.04	18.07	18.08	19.50	
		HIGH	64QAM	18.01	17.94	17.87	19.50	
100		LOW	64QAM	18.15	18.01	17.94	19.50	

LTE B2-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	11.93	12.15	11.87	13.50	
		MID	QPSK	11.99	11.83	12.14	13.50	
		HIGH	QPSK	11.96	12.07	12.01	13.50	
	3	LOW	QPSK	12.03	12.17	11.95	13.50	
		MID	QPSK	11.95	11.87	11.96	13.50	
		HIGH	QPSK	12.11	12.00	11.88	13.50	
	6	LOW	QPSK	12.02	12.06	12.00	13.50	
	1.4	1	LOW	Q16	11.88	12.00	12.26	13.50
			MID	Q16	12.07	12.14	12.07	13.50
HIGH			Q16	12.00	12.04	12.05	13.50	
3		LOW	Q16	12.04	12.07	12.24	13.50	
		MID	Q16	11.89	12.11	12.05	13.50	
		HIGH	Q16	12.16	11.80	12.13	13.50	
6		LOW	Q16	12.08	11.84	12.07	13.50	
1.4		1	LOW	64QAM	11.98	11.93	12.02	13.50
			MID	64QAM	12.03	12.05	12.04	13.50
	HIGH		64QAM	11.93	12.02	12.08	13.50	
	3	LOW	64QAM	12.03	11.83	12.02	13.50	
		MID	64QAM	12.03	12.00	11.94	13.50	
		HIGH	64QAM	11.93	12.13	12.04	13.50	
	6	LOW	64QAM	12.01	11.91	11.98	13.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	12.00	12.03	11.79	13.50
MID			QPSK	12.14	11.85	11.91	13.50	
HIGH			QPSK	12.16	12.16	11.94	13.50	
8		LOW	QPSK	12.01	12.00	12.10	13.50	
		MID	QPSK	11.99	11.76	11.96	13.50	
		HIGH	QPSK	11.77	12.15	12.10	13.50	
15		LOW	QPSK	11.86	11.98	12.16	13.50	
3		1	LOW	Q16	12.02	11.94	12.15	13.50
			MID	Q16	11.94	12.18	12.25	13.50
	HIGH		Q16	12.14	12.03	11.90	13.50	
	8	LOW	Q16	12.09	11.80	11.96	13.50	
		MID	Q16	11.84	11.93	12.15	13.50	
		HIGH	Q16	12.00	12.02	11.96	13.50	
	15	LOW	Q16	12.21	11.79	12.04	13.50	
	3	1	LOW	64QAM	12.15	11.90	11.89	13.50
			MID	64QAM	11.99	12.16	12.21	13.50
HIGH			64QAM	11.95	12.10	12.10	13.50	
8		LOW	64QAM	12.11	11.90	12.02	13.50	
		MID	64QAM	12.05	12.00	11.83	13.50	
		HIGH	64QAM	11.86	11.99	12.02	13.50	
15		LOW	64QAM	11.79	11.92	11.92	13.50	

LTE B2-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	11.99	12.18	11.77	13.50	
		MID	QPSK	12.05	11.92	11.97	13.50	
		HIGH	QPSK	12.02	12.09	11.86	13.50	
	12	LOW	QPSK	11.88	11.95	12.18	13.50	
		MID	QPSK	12.04	11.87	11.73	13.50	
		HIGH	QPSK	12.03	12.04	12.00	13.50	
	25	LOW	QPSK	12.00	11.95	11.93	13.50	
	5	1	LOW	Q16	11.96	12.00	12.23	13.50
			MID	Q16	11.90	12.19	12.07	13.50
HIGH			Q16	12.02	12.00	11.87	13.50	
12		LOW	Q16	12.09	11.97	12.11	13.50	
		MID	Q16	11.79	11.86	12.00	13.50	
		HIGH	Q16	12.02	11.92	11.89	13.50	
25		LOW	Q16	12.18	11.85	12.00	13.50	
5		1	LOW	64QAM	12.12	12.07	12.12	13.50
			MID	64QAM	12.22	12.22	11.97	13.50
	HIGH		64QAM	12.05	12.08	12.26	13.50	
	12	LOW	64QAM	12.00	12.05	11.85	13.50	
		MID	64QAM	11.96	12.11	11.84	13.50	
		HIGH	64QAM	11.83	11.89	12.19	13.50	
	25	LOW	64QAM	11.93	11.86	11.95	13.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	12.11	12.12	11.80	13.50
MID			QPSK	11.93	12.04	12.12	13.50	
HIGH			QPSK	11.88	12.11	12.00	13.50	
25		LOW	QPSK	11.99	12.15	12.09	13.50	
		MID	QPSK	11.89	11.86	11.78	13.50	
		HIGH	QPSK	12.04	11.99	11.97	13.50	
50	LOW	QPSK	11.92	11.97	11.99	13.50		
10	1	LOW	Q16	11.95	12.06	12.17	13.50	
		MID	Q16	12.03	12.22	12.06	13.50	
		HIGH	Q16	11.91	11.82	12.07	13.50	
	25	LOW	Q16	12.07	11.75	12.09	13.50	
		MID	Q16	11.98	12.00	12.10	13.50	
		HIGH	Q16	11.89	11.94	11.87	13.50	
50	LOW	Q16	12.12	12.01	11.87	13.50		
10	1	LOW	64QAM	11.91	11.81	11.94	13.50	
		MID	64QAM	12.11	12.19	12.13	13.50	
		HIGH	64QAM	11.89	12.13	11.99	13.50	
	25	LOW	64QAM	12.06	11.98	11.81	13.50	
		MID	64QAM	12.19	12.00	11.82	13.50	
		HIGH	64QAM	11.81	11.81	11.96	13.50	
	50	LOW	64QAM	11.87	11.90	11.92	13.50	

LTE B2-DSI2&3 -Ant.13								
Bandwidth (M)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	11.98	12.02	11.99	13.50	
		MID	QPSK	12.06	11.88	11.98	13.50	
		HIGH	QPSK	12.08	12.05	12.01	13.50	
	36	LOW	QPSK	12.02	11.94	11.98	13.50	
		MID	QPSK	12.08	11.74	11.85	13.50	
		HIGH	QPSK	11.99	11.96	11.90	13.50	
	75	LOW	QPSK	12.02	12.03	12.11	13.50	
	15	1	LOW	Q16	11.86	11.95	12.23	13.50
			MID	Q16	12.01	12.00	12.06	13.50
HIGH			Q16	12.00	11.84	11.97	13.50	
36		LOW	Q16	12.18	11.75	12.15	13.50	
		MID	Q16	12.01	11.92	12.02	13.50	
		HIGH	Q16	11.90	11.91	12.11	13.50	
75		LOW	Q16	12.13	11.84	11.89	13.50	
15		1	LOW	64QAM	12.14	11.82	12.02	13.50
			MID	64QAM	11.94	12.18	12.15	13.50
	HIGH		64QAM	11.88	12.13	12.08	13.50	
	36	LOW	64QAM	12.00	11.93	11.80	13.50	
		MID	64QAM	11.98	11.98	11.96	13.50	
		HIGH	64QAM	11.85	11.86	12.12	13.50	
	75	LOW	64QAM	11.80	11.75	11.77	13.50	
	Bandwidth (M)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	12.02	12.06	11.88	13.50
MID			QPSK	12.02	11.95	12.03	13.50	
HIGH			QPSK	12.03	12.10	11.88	13.50	
50		LOW	QPSK	12.02	12.05	12.11	13.50	
		MID	QPSK	12.00	11.86	11.87	13.50	
		HIGH	QPSK	11.91	12.02	11.97	13.50	
100		LOW	QPSK	11.99	12.06	12.07	13.50	
20		1	LOW	Q16	11.95	11.97	12.14	13.50
			MID	Q16	12.00	12.08	12.10	13.50
	HIGH		Q16	12.04	11.90	11.99	13.50	
	50	LOW	Q16	12.07	11.89	12.06	13.50	
		MID	Q16	11.88	11.92	12.10	13.50	
		HIGH	Q16	11.94	12.05	11.98	13.50	
	100	LOW	Q16	12.10	11.86	11.95	13.50	
	20	1	LOW	64QAM	12.02	11.92	11.99	13.50
			MID	64QAM	12.08	12.13	12.09	13.50
HIGH			64QAM	11.95	12.04	12.14	13.50	
50		LOW	64QAM	12.10	11.97	11.95	13.50	
		MID	64QAM	12.11	12.05	11.95	13.50	
		HIGH	64QAM	11.90	11.87	12.09	13.50	
100		LOW	64QAM	11.90	11.87	11.92	13.50	



LTE B2-DSI4 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.09	21.09	21.09	22.50	
		MID	QPSK	21.18	21.08	20.92	22.50	
		HIGH	QPSK	20.70	20.84	21.08	22.50	
	3	LOW	QPSK	20.99	20.94	21.13	22.50	
		MID	QPSK	20.99	21.08	20.76	22.50	
		HIGH	QPSK	20.95	21.07	21.02	22.50	
	6	LOW	QPSK	19.92	20.13	19.82	21.50	
	1.4	1	LOW	Q16	20.01	19.96	20.16	21.50
			MID	Q16	19.82	19.90	19.94	21.50
HIGH			Q16	19.98	19.70	19.82	21.50	
3		LOW	Q16	20.04	19.95	20.17	21.50	
		MID	Q16	19.73	20.00	19.91	21.50	
		HIGH	Q16	19.94	19.92	20.07	21.50	
6		LOW	Q16	19.04	18.86	18.99	20.50	
1.4		1	LOW	64QAM	18.94	19.04	19.07	20.50
			MID	64QAM	19.02	19.00	19.19	20.50
	HIGH		64QAM	19.06	19.26	18.95	20.50	
	3	LOW	64QAM	19.15	19.02	19.11	20.50	
		MID	64QAM	19.11	19.21	19.17	20.50	
		HIGH	64QAM	18.85	19.14	18.98	20.50	
	6	LOW	64QAM	18.22	17.92	17.88	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	21.10	21.17	21.08	22.50
MID			QPSK	21.22	21.04	21.03	22.50	
HIGH			QPSK	20.86	20.92	20.99	22.50	
8		LOW	QPSK	19.75	20.19	19.79	21.50	
		MID	QPSK	20.11	20.19	20.07	21.50	
		HIGH	QPSK	20.22	20.04	19.74	21.50	
15		LOW	QPSK	20.05	20.20	20.02	21.50	
3		1	LOW	Q16	19.89	20.14	19.96	21.50
			MID	Q16	20.01	20.16	19.91	21.50
	HIGH		Q16	19.98	19.74	19.83	21.50	
	8	LOW	Q16	18.98	18.96	19.07	20.50	
		MID	Q16	19.09	18.87	19.03	20.50	
		HIGH	Q16	19.07	19.16	18.84	20.50	
	15	LOW	Q16	19.23	18.84	19.13	20.50	
	3	1	LOW	64QAM	19.15	19.05	19.16	20.50
			MID	64QAM	19.03	19.18	19.00	20.50
HIGH			64QAM	19.02	19.16	19.03	20.50	
8		LOW	64QAM	17.91	17.98	17.97	19.50	
		MID	64QAM	17.91	18.03	18.08	19.50	
		HIGH	64QAM	18.03	18.04	17.80	19.50	
15		LOW	64QAM	18.28	18.10	17.87	19.50	

LTE B2-DS14 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	20.94	20.97	21.16	22.50	
		MID	QPSK	20.99	21.25	21.03	22.50	
		HIGH	QPSK	20.84	20.96	20.91	22.50	
	12	LOW	QPSK	19.98	20.12	19.72	21.50	
		MID	QPSK	19.84	20.12	19.92	21.50	
		HIGH	QPSK	20.02	20.12	19.81	21.50	
	25	LOW	QPSK	20.09	20.01	19.91	21.50	
	5	1	LOW	Q16	19.90	20.03	20.01	21.50
			MID	Q16	19.72	20.18	20.17	21.50
HIGH			Q16	19.89	19.79	19.86	21.50	
12		LOW	Q16	19.01	18.91	18.99	20.50	
		MID	Q16	19.01	19.09	19.27	20.50	
		HIGH	Q16	18.81	19.09	18.83	20.50	
25		LOW	Q16	19.19	19.05	19.20	20.50	
5		1	LOW	64QAM	19.07	18.97	19.03	20.50
			MID	64QAM	19.08	19.11	19.20	20.50
	HIGH		64QAM	18.80	19.13	19.12	20.50	
	12	LOW	64QAM	17.81	17.89	18.09	19.50	
		MID	64QAM	17.97	18.17	18.00	19.50	
		HIGH	64QAM	17.86	17.94	17.92	19.50	
	25	LOW	64QAM	18.05	17.89	17.82	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	20.92	21.11	21.05	22.50
MID			QPSK	20.93	21.08	20.86	22.50	
HIGH			QPSK	20.88	20.99	20.95	22.50	
25		LOW	QPSK	19.88	20.21	19.94	21.50	
		MID	QPSK	19.89	20.08	19.92	21.50	
		HIGH	QPSK	20.12	20.15	19.87	21.50	
50		LOW	QPSK	19.94	20.24	20.07	21.50	
10		1	LOW	Q16	20.04	20.06	20.05	21.50
			MID	Q16	19.79	20.11	19.91	21.50
	HIGH		Q16	20.05	19.78	19.84	21.50	
	25	LOW	Q16	18.94	18.82	19.10	20.50	
		MID	Q16	19.06	18.98	19.08	20.50	
		HIGH	Q16	19.00	18.95	19.12	20.50	
	50	LOW	Q16	18.99	18.94	19.19	20.50	
	10	1	LOW	64QAM	18.94	18.80	19.18	20.50
			MID	64QAM	19.00	19.13	19.07	20.50
HIGH			64QAM	19.03	18.97	18.92	20.50	
25		LOW	64QAM	17.85	18.06	18.07	19.50	
		MID	64QAM	17.91	18.08	18.06	19.50	
		HIGH	64QAM	18.12	17.87	17.77	19.50	
50		LOW	64QAM	18.20	18.03	18.09	19.50	

LTE B2-DS14 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	20.93	21.13	21.01	22.50	
		MID	QPSK	21.04	21.08	20.78	22.50	
		HIGH	QPSK	20.87	21.06	20.99	22.50	
	36	LOW	QPSK	19.85	20.04	19.78	21.50	
		MID	QPSK	19.84	20.02	19.96	21.50	
		HIGH	QPSK	20.22	20.16	19.91	21.50	
	75	LOW	QPSK	20.18	20.03	19.90	21.50	
	15	1	LOW	Q16	19.96	19.98	19.94	21.50
			MID	Q16	19.94	20.15	20.11	21.50
HIGH			Q16	20.01	19.92	19.83	21.50	
36		LOW	Q16	18.89	18.98	18.99	20.50	
		MID	Q16	18.80	18.96	19.11	20.50	
		HIGH	Q16	18.81	18.95	19.05	20.50	
75		LOW	Q16	19.11	19.06	18.97	20.50	
15		1	LOW	64QAM	19.15	19.09	19.21	20.50
			MID	64QAM	19.04	19.02	19.07	20.50
	HIGH		64QAM	18.95	19.22	19.18	20.50	
	36	LOW	64QAM	17.76	18.13	18.01	19.50	
		MID	64QAM	17.89	18.01	17.94	19.50	
		HIGH	64QAM	18.12	18.07	17.83	19.50	
	75	LOW	64QAM	18.18	18.16	17.84	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	21.00	21.06	21.15	22.50
MID			QPSK	21.08	21.11	20.89	22.50	
HIGH			QPSK	20.85	20.98	21.02	22.50	
50		LOW	QPSK	19.86	20.06	19.85	21.50	
		MID	QPSK	19.96	20.12	20.03	21.50	
		HIGH	QPSK	20.08	20.11	19.89	21.50	
100		LOW	QPSK	20.07	20.15	19.97	21.50	
20		1	LOW	Q16	19.89	20.06	20.08	21.50
			MID	Q16	19.87	20.05	20.02	21.50
	HIGH		Q16	19.99	19.85	19.95	21.50	
	50	LOW	Q16	18.88	18.96	19.06	20.50	
		MID	Q16	18.94	19.01	19.15	20.50	
		HIGH	Q16	18.95	19.07	18.98	20.50	
	100	LOW	Q16	19.13	18.94	19.10	20.50	
	20	1	LOW	64QAM	19.01	18.95	19.11	20.50
			MID	64QAM	19.10	19.10	19.12	20.50
HIGH			64QAM	18.91	19.11	19.04	20.50	
50		LOW	64QAM	17.89	18.03	17.94	19.50	
		MID	64QAM	18.04	18.07	18.08	19.50	
		HIGH	64QAM	18.01	17.94	17.87	19.50	
100		LOW	64QAM	18.15	18.01	17.94	19.50	

LTE B2-DS15 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	14.89	15.08	14.98	16.50	
		MID	QPSK	15.06	14.95	14.93	16.50	
		HIGH	QPSK	14.94	14.82	15.09	16.50	
	3	LOW	QPSK	14.93	14.88	14.76	16.50	
		MID	QPSK	15.06	14.93	15.07	16.50	
		HIGH	QPSK	14.78	14.86	15.07	16.50	
	6	LOW	QPSK	14.97	14.82	14.86	16.50	
	1.4	1	LOW	Q16	15.03	15.07	14.99	16.50
			MID	Q16	14.87	14.94	15.05	16.50
HIGH			Q16	14.87	14.81	15.20	16.50	
3		LOW	Q16	15.18	15.01	15.09	16.50	
		MID	Q16	15.02	15.07	15.03	16.50	
		HIGH	Q16	14.91	15.02	15.15	16.50	
6		LOW	Q16	15.05	15.05	15.01	16.50	
1.4		1	LOW	64QAM	14.87	14.86	15.04	16.50
			MID	64QAM	14.83	15.10	15.07	16.50
	HIGH		64QAM	14.90	14.99	14.96	16.50	
	3	LOW	64QAM	14.96	14.99	15.19	16.50	
		MID	64QAM	15.13	14.98	15.11	16.50	
		HIGH	64QAM	14.96	14.97	14.95	16.50	
	6	LOW	64QAM	15.08	15.12	14.83	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	14.97	14.87	14.98	16.50
MID			QPSK	15.16	14.92	15.02	16.50	
HIGH			QPSK	14.97	14.87	15.03	16.50	
8		LOW	QPSK	14.95	14.87	14.91	16.50	
		MID	QPSK	14.89	15.21	14.90	16.50	
		HIGH	QPSK	15.12	15.14	14.93	16.50	
15		LOW	QPSK	14.93	14.91	14.75	16.50	
3		1	LOW	Q16	15.04	15.03	15.18	16.50
			MID	Q16	14.83	15.08	15.10	16.50
	HIGH		Q16	15.07	14.97	15.17	16.50	
	8	LOW	Q16	14.94	15.10	15.00	16.50	
		MID	Q16	14.76	14.92	14.92	16.50	
		HIGH	Q16	15.07	14.99	15.09	16.50	
	15	LOW	Q16	14.88	14.91	14.95	16.50	
	3	1	LOW	64QAM	15.16	14.81	15.04	16.50
			MID	64QAM	14.92	15.09	15.08	16.50
HIGH			64QAM	14.97	15.16	14.78	16.50	
8		LOW	64QAM	14.84	14.90	14.95	16.50	
		MID	64QAM	15.22	15.21	14.75	16.50	
		HIGH	64QAM	15.05	15.13	15.02	16.50	
15		LOW	64QAM	14.98	15.15	15.00	16.50	

LTE B2-DS15 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	14.98	14.99	14.94	16.50	
		MID	QPSK	15.16	14.89	14.91	16.50	
		HIGH	QPSK	14.81	14.94	15.14	16.50	
	12	LOW	QPSK	15.13	14.78	14.85	16.50	
		MID	QPSK	14.90	14.95	14.77	16.50	
		HIGH	QPSK	15.14	15.05	14.85	16.50	
	25	LOW	QPSK	15.22	14.88	15.01	16.50	
	5	1	LOW	Q16	14.96	15.03	14.99	16.50
			MID	Q16	14.91	15.05	14.99	16.50
HIGH			Q16	15.04	14.98	15.04	16.50	
12		LOW	Q16	14.91	15.18	15.10	16.50	
		MID	Q16	14.75	14.99	15.11	16.50	
		HIGH	Q16	15.03	15.04	15.03	16.50	
25		LOW	Q16	15.03	14.80	15.04	16.50	
5		1	LOW	64QAM	14.91	14.77	15.02	16.50
			MID	64QAM	14.83	15.18	15.08	16.50
	HIGH		64QAM	14.77	14.92	15.01	16.50	
	12	LOW	64QAM	14.93	14.81	15.07	16.50	
		MID	64QAM	15.04	15.04	14.82	16.50	
		HIGH	64QAM	14.99	15.14	15.03	16.50	
	25	LOW	64QAM	15.05	15.26	14.98	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	14.75	14.82	14.91	16.50
MID			QPSK	14.89	14.82	14.84	16.50	
HIGH			QPSK	14.86	15.08	15.14	16.50	
25		LOW	QPSK	14.97	14.83	15.00	16.50	
		MID	QPSK	15.05	15.17	14.80	16.50	
		HIGH	QPSK	15.13	15.20	14.85	16.50	
50		LOW	QPSK	15.11	14.80	15.05	16.50	
10		1	LOW	Q16	15.02	14.96	15.07	16.50
			MID	Q16	14.89	15.01	15.06	16.50
	HIGH		Q16	14.78	14.96	15.06	16.50	
	25	LOW	Q16	14.92	14.99	15.11	16.50	
		MID	Q16	14.73	15.07	14.85	16.50	
		HIGH	Q16	15.07	15.03	15.09	16.50	
	50	LOW	Q16	14.93	14.92	14.95	16.50	
	10	1	LOW	64QAM	15.11	14.82	15.22	16.50
			MID	64QAM	15.02	15.16	14.90	16.50
HIGH			64QAM	14.83	14.97	14.93	16.50	
25		LOW	64QAM	15.03	14.87	15.12	16.50	
		MID	64QAM	15.24	15.24	14.76	16.50	
		HIGH	64QAM	15.00	15.14	14.84	16.50	
50		LOW	64QAM	14.88	15.01	15.00	16.50	

LTE B2-DSIS -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	14.91	14.83	14.79	16.50	
		MID	QPSK	15.16	15.06	15.03	16.50	
		HIGH	QPSK	14.79	14.84	15.09	16.50	
	36	LOW	QPSK	14.87	14.97	14.89	16.50	
		MID	QPSK	14.93	15.03	14.80	16.50	
		HIGH	QPSK	15.03	15.03	14.85	16.50	
	75	LOW	QPSK	15.03	15.00	14.83	16.50	
	15	1	LOW	Q16	14.99	14.93	14.95	16.50
			MID	Q16	14.95	14.82	15.00	16.50
HIGH			Q16	15.06	14.94	15.08	16.50	
36		LOW	Q16	14.81	15.15	14.95	16.50	
		MID	Q16	14.87	15.12	14.84	16.50	
		HIGH	Q16	15.01	15.21	14.94	16.50	
75		LOW	Q16	14.92	15.01	14.85	16.50	
15		1	LOW	64QAM	15.16	14.83	15.25	16.50
			MID	64QAM	15.03	15.10	14.98	16.50
	HIGH		64QAM	15.01	15.06	15.04	16.50	
	36	LOW	64QAM	15.05	15.02	14.92	16.50	
		MID	64QAM	15.01	15.26	14.88	16.50	
		HIGH	64QAM	14.80	15.03	15.08	16.50	
	75	LOW	64QAM	14.90	15.21	14.86	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	14.90	14.93	14.87	16.50
MID			QPSK	15.01	14.97	14.99	16.50	
HIGH			QPSK	14.93	14.95	15.13	16.50	
50		LOW	QPSK	15.01	14.85	14.98	16.50	
		MID	QPSK	14.96	15.07	14.92	16.50	
		HIGH	QPSK	15.05	15.09	14.93	16.50	
100	LOW	QPSK	15.08	14.94	14.90	16.50		
20	1	LOW	Q16	15.07	15.05	15.10	16.50	
		MID	Q16	14.90	14.96	15.08	16.50	
		HIGH	Q16	14.93	14.90	15.14	16.50	
	50	LOW	Q16	14.93	15.10	14.98	16.50	
		MID	Q16	14.85	15.04	14.99	16.50	
		HIGH	Q16	14.98	15.06	15.09	16.50	
100	LOW	Q16	14.96	14.94	14.89	16.50		
20	1	LOW	64QAM	15.01	14.91	15.13	16.50	
		MID	64QAM	14.98	15.08	15.04	16.50	
		HIGH	64QAM	14.87	15.02	14.92	16.50	
	50	LOW	64QAM	14.94	14.95	14.99	16.50	
		MID	64QAM	15.09	15.14	14.89	16.50	
		HIGH	64QAM	14.95	15.12	14.98	16.50	
100	LOW	64QAM	15.02	15.14	14.95	16.50		

LTE B2-DSI8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	14.43	14.37	14.33	16.00	
		MID	QPSK	14.39	14.40	14.48	16.00	
		HIGH	QPSK	14.60	14.50	14.47	16.00	
	3	LOW	QPSK	14.67	14.52	14.36	16.00	
		MID	QPSK	14.41	14.64	14.63	16.00	
		HIGH	QPSK	14.52	14.70	14.47	16.00	
	6	LOW	QPSK	14.34	14.27	14.49	16.00	
	1.4	1	LOW	Q16	14.44	14.53	14.34	16.00
			MID	Q16	14.60	14.54	14.41	16.00
HIGH			Q16	14.75	14.62	14.51	16.00	
3		LOW	Q16	14.32	14.57	14.47	16.00	
		MID	Q16	14.33	14.42	14.49	16.00	
		HIGH	Q16	14.63	14.57	14.69	16.00	
6		LOW	Q16	14.47	14.35	14.52	16.00	
1.4		1	LOW	64QAM	14.45	14.46	14.60	16.00
			MID	64QAM	14.66	14.25	14.51	16.00
	HIGH		64QAM	14.46	14.36	14.61	16.00	
	3	LOW	64QAM	14.59	14.46	14.48	16.00	
		MID	64QAM	14.66	14.45	14.75	16.00	
		HIGH	64QAM	14.31	14.31	14.71	16.00	
	6	LOW	64QAM	14.35	14.60	14.53	16.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	14.58	14.38	14.45	16.00
MID			QPSK	14.33	14.44	14.68	16.00	
HIGH			QPSK	14.52	14.67	14.32	16.00	
8		LOW	QPSK	14.48	14.58	14.53	16.00	
		MID	QPSK	14.66	14.70	14.43	16.00	
		HIGH	QPSK	14.42	14.27	14.67	16.00	
15		LOW	QPSK	14.57	14.38	14.41	16.00	
3		1	LOW	Q16	14.26	14.51	14.31	16.00
			MID	Q16	14.55	14.31	14.57	16.00
	HIGH		Q16	14.53	14.44	14.54	16.00	
	8	LOW	Q16	14.63	14.50	14.60	16.00	
		MID	Q16	14.36	14.34	14.52	16.00	
		HIGH	Q16	14.60	14.27	14.21	16.00	
	15	LOW	Q16	14.42	14.45	14.53	16.00	
	3	1	LOW	64QAM	14.39	14.38	14.54	16.00
			MID	64QAM	14.55	14.38	14.56	16.00
HIGH			64QAM	14.45	14.30	14.64	16.00	
8		LOW	64QAM	14.67	14.43	14.67	16.00	
		MID	64QAM	14.72	14.41	14.35	16.00	
		HIGH	64QAM	14.36	14.53	14.41	16.00	
15		LOW	64QAM	14.36	14.62	14.65	16.00	

LTE B2-DSI8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	14.66	14.45	14.38	16.00	
		MID	QPSK	14.32	14.59	14.51	16.00	
		HIGH	QPSK	14.55	14.74	14.40	16.00	
	12	LOW	QPSK	14.40	14.58	14.67	16.00	
		MID	QPSK	14.49	14.55	14.50	16.00	
		HIGH	QPSK	14.45	14.51	14.77	16.00	
	25	LOW	QPSK	14.36	14.37	14.48	16.00	
	5	1	LOW	Q16	14.39	14.53	14.35	16.00
			MID	Q16	14.44	14.28	14.44	16.00
HIGH			Q16	14.60	14.51	14.64	16.00	
12		LOW	Q16	14.67	14.64	14.71	16.00	
		MID	Q16	14.49	14.46	14.61	16.00	
		HIGH	Q16	14.50	14.50	14.30	16.00	
25		LOW	Q16	14.36	14.49	14.52	16.00	
5		1	LOW	64QAM	14.46	14.31	14.43	16.00
			MID	64QAM	14.47	14.42	14.59	16.00
	HIGH		64QAM	14.48	14.23	14.66	16.00	
	12	LOW	64QAM	14.66	14.32	14.77	16.00	
		MID	64QAM	14.50	14.58	14.52	16.00	
		HIGH	64QAM	14.28	14.39	14.58	16.00	
	25	LOW	64QAM	14.46	14.52	14.58	16.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	14.56	14.39	14.33	16.00
MID			QPSK	14.54	14.64	14.54	16.00	
HIGH			QPSK	14.50	14.73	14.46	16.00	
25		LOW	QPSK	14.45	14.70	14.75	16.00	
		MID	QPSK	14.43	14.76	14.60	16.00	
		HIGH	QPSK	14.51	14.47	14.67	16.00	
50		LOW	QPSK	14.56	14.30	14.53	16.00	
10		1	LOW	Q16	14.42	14.41	14.51	16.00
			MID	Q16	14.36	14.46	14.66	16.00
	HIGH		Q16	14.74	14.55	14.72	16.00	
	25	LOW	Q16	14.72	14.58	14.69	16.00	
		MID	Q16	14.31	14.50	14.67	16.00	
		HIGH	Q16	14.77	14.42	14.29	16.00	
	50	LOW	Q16	14.41	14.46	14.76	16.00	
	10	1	LOW	64QAM	14.59	14.50	14.47	16.00
			MID	64QAM	14.53	14.35	14.50	16.00
HIGH			64QAM	14.40	14.46	14.72	16.00	
25		LOW	64QAM	14.76	14.29	14.70	16.00	
		MID	64QAM	14.69	14.38	14.35	16.00	
		HIGH	64QAM	14.42	14.52	14.46	16.00	
50		LOW	64QAM	14.42	14.76	14.47	16.00	



LTE B2-DSI8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	14.50	14.49	14.57	16.00	
		MID	QPSK	14.56	14.46	14.65	16.00	
		HIGH	QPSK	14.65	14.56	14.49	16.00	
	36	LOW	QPSK	14.37	14.44	14.67	16.00	
		MID	QPSK	14.63	14.49	14.57	16.00	
		HIGH	QPSK	14.32	14.24	14.73	16.00	
	75	LOW	QPSK	14.35	14.29	14.57	16.00	
	15	1	LOW	Q16	14.29	14.57	14.28	16.00
			MID	Q16	14.57	14.32	14.46	16.00
HIGH			Q16	14.73	14.61	14.59	16.00	
36		LOW	Q16	14.56	14.49	14.59	16.00	
		MID	Q16	14.38	14.47	14.65	16.00	
		HIGH	Q16	14.67	14.32	14.32	16.00	
75		LOW	Q16	14.41	14.52	14.71	16.00	
15		1	LOW	64QAM	14.52	14.46	14.46	16.00
			MID	64QAM	14.50	14.50	14.66	16.00
	HIGH		64QAM	14.34	14.41	14.59	16.00	
	36	LOW	64QAM	14.52	14.39	14.61	16.00	
		MID	64QAM	14.62	14.61	14.36	16.00	
		HIGH	64QAM	14.42	14.48	14.57	16.00	
	75	LOW	64QAM	14.59	14.73	14.55	16.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	14.57	14.46	14.47	16.00
MID			QPSK	14.42	14.49	14.54	16.00	
HIGH			QPSK	14.54	14.59	14.40	16.00	
50		LOW	QPSK	14.43	14.59	14.65	16.00	
		MID	QPSK	14.51	14.61	14.58	16.00	
		HIGH	QPSK	14.46	14.39	14.65	16.00	
100	LOW	QPSK	14.43	14.41	14.45	16.00		
20	1	LOW	Q16	14.36	14.50	14.39	16.00	
		MID	Q16	14.48	14.43	14.55	16.00	
		HIGH	Q16	14.60	14.51	14.58	16.00	
	50	LOW	Q16	14.58	14.61	14.56	16.00	
		MID	Q16	14.46	14.40	14.64	16.00	
		HIGH	Q16	14.65	14.42	14.36	16.00	
100	LOW	Q16	14.40	14.44	14.65	16.00		
20	1	LOW	64QAM	14.54	14.43	14.54	16.00	
		MID	64QAM	14.52	14.37	14.61	16.00	
		HIGH	64QAM	14.43	14.38	14.65	16.00	
	50	LOW	64QAM	14.61	14.44	14.62	16.00	
		MID	64QAM	14.61	14.47	14.48	16.00	
		HIGH	64QAM	14.38	14.38	14.54	16.00	
	100	LOW	64QAM	14.44	14.65	14.55	16.00	

## 8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.61	22.56	22.53	24.50	
		MID	QPSK	22.71	22.70	22.82	24.50	
		HIGH	QPSK	22.85	22.78	22.69	24.50	
	3	LOW	QPSK	22.86	22.76	22.63	24.50	
		MID	QPSK	22.87	22.71	22.62	24.50	
		HIGH	QPSK	22.71	22.74	22.67	24.50	
	6	LOW	QPSK	21.91	21.64	21.72	23.50	
	1.4	1	LOW	Q16	21.86	21.78	21.82	23.50
			MID	Q16	21.97	21.91	21.75	23.50
HIGH			Q16	21.87	22.15	21.81	23.50	
3		LOW	Q16	22.11	21.63	21.71	23.50	
		MID	Q16	22.05	21.83	21.78	23.50	
		HIGH	Q16	21.97	22.06	21.92	23.50	
6		LOW	Q16	20.67	20.59	20.74	22.50	
1.4		1	LOW	64QAM	20.83	20.64	20.88	22.50
			MID	64QAM	20.87	21.03	20.71	22.50
	HIGH		64QAM	20.75	21.17	20.85	22.50	
	3	LOW	64QAM	21.04	20.62	20.71	22.50	
		MID	64QAM	20.92	20.73	20.66	22.50	
		HIGH	64QAM	20.97	21.16	20.95	22.50	
	6	LOW	64QAM	19.67	19.61	19.82	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.79	22.70	22.57	24.50
MID			QPSK	22.86	22.70	22.78	24.50	
HIGH			QPSK	22.64	22.55	22.56	24.50	
8		LOW	QPSK	21.84	21.56	21.50	23.50	
		MID	QPSK	21.71	21.83	21.54	23.50	
		HIGH	QPSK	21.75	21.58	21.61	23.50	
15		LOW	QPSK	21.68	21.75	21.76	23.50	
3		1	LOW	Q16	22.08	21.77	21.93	23.50
			MID	Q16	22.07	22.00	21.79	23.50
	HIGH		Q16	22.07	22.08	21.74	23.50	
	8	LOW	Q16	20.76	20.73	20.72	22.50	
		MID	Q16	20.97	20.60	20.54	22.50	
		HIGH	Q16	20.69	20.86	20.78	22.50	
	15	LOW	Q16	20.80	20.80	20.69	22.50	
	3	1	LOW	64QAM	20.87	21.04	20.91	22.50
			MID	64QAM	20.94	21.03	20.85	22.50
HIGH			64QAM	21.04	21.17	20.96	22.50	
8		LOW	64QAM	20.01	19.61	19.59	21.50	
		MID	64QAM	20.00	19.68	19.50	21.50	
		HIGH	64QAM	19.65	19.51	19.84	21.50	
15		LOW	64QAM	19.99	19.92	19.68	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	22.64	22.75	22.50	24.50
	MID		QPSK	22.79	22.55	22.78	24.50	
	HIGH		QPSK	22.86	22.54	22.69	24.50	
	12	LOW	QPSK	21.66	21.54	21.58	23.50	
		MID	QPSK	21.93	21.59	21.77	23.50	
		HIGH	QPSK	21.78	21.78	21.81	23.50	
	25	LOW	QPSK	21.76	21.87	21.50	23.50	
	5	1	LOW	Q16	22.01	21.75	21.69	23.50
			MID	Q16	22.12	21.95	21.79	23.50
HIGH			Q16	21.83	22.13	21.84	23.50	
12		LOW	Q16	20.90	20.59	20.57	22.50	
		MID	Q16	20.78	20.85	20.66	22.50	
		HIGH	Q16	20.90	20.78	20.70	22.50	
25		LOW	Q16	20.89	20.86	20.67	22.50	
5		1	LOW	64QAM	21.09	20.91	20.86	22.50
			MID	64QAM	20.89	20.99	20.98	22.50
	HIGH		64QAM	20.97	21.08	20.93	22.50	
	12	LOW	64QAM	19.77	19.81	19.58	21.50	
		MID	64QAM	19.91	19.72	19.60	21.50	
		HIGH	64QAM	19.62	19.71	19.88	21.50	
	25	LOW	64QAM	19.73	19.74	19.79	21.50	

LTE B2-Full Power -Ant.31									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)		
10	1	LOW	QPSK	22.77	22.72	22.61	24.50		
		MID	QPSK	22.68	22.56	22.66	24.50		
		HIGH	QPSK	22.62	22.54	22.55	24.50		
	25	LOW	QPSK	21.89	21.72	21.72	23.50		
		MID	QPSK	21.94	21.57	21.56	23.50		
		HIGH	QPSK	21.94	21.71	21.62	23.50		
	50	LOW	QPSK	21.71	21.60	21.54	23.50		
	10	1	LOW	Q16	21.99	21.85	21.82	23.50	
			MID	Q16	22.17	22.00	21.96	23.50	
HIGH			Q16	21.88	22.11	21.84	23.50		
25		LOW	Q16	20.83	20.77	20.74	22.50		
		MID	Q16	20.97	20.67	20.54	22.50		
		HIGH	Q16	20.61	20.76	20.73	22.50		
50		LOW	Q16	20.96	20.64	20.64	22.50		
10		1	LOW	64QAM	20.97	21.05	20.68	22.50	
			MID	64QAM	21.07	20.99	20.80	22.50	
	HIGH		64QAM	20.94	21.11	21.12	22.50		
	25	LOW	64QAM	19.75	19.70	19.61	21.50		
		MID	64QAM	20.08	19.50	19.67	21.50		
		HIGH	64QAM	19.77	19.59	19.64	21.50		
	50	LOW	64QAM	19.80	19.86	19.80	21.50		
	15	15	1	LOW	QPSK	22.63	22.65	22.68	24.50
				MID	QPSK	22.92	22.61	22.79	24.50
HIGH				QPSK	22.87	22.59	22.64	24.50	
36			LOW	QPSK	21.88	21.75	21.70	23.50	
			MID	QPSK	21.74	21.59	21.72	23.50	
			HIGH	QPSK	21.79	21.86	21.71	23.50	
75			LOW	QPSK	21.90	21.62	21.70	23.50	
15			1	LOW	Q16	21.86	21.76	21.90	23.50
				MID	Q16	22.08	22.16	21.78	23.50
		HIGH		Q16	21.85	21.99	21.87	23.50	
		36	LOW	Q16	20.73	20.71	20.66	22.50	
			MID	Q16	20.88	20.84	20.63	22.50	
			HIGH	Q16	20.87	20.85	20.77	22.50	
		75	LOW	Q16	20.89	20.60	20.74	22.50	
		15	1	LOW	64QAM	21.12	20.98	20.66	22.50
				MID	64QAM	21.09	20.77	21.07	22.50
HIGH				64QAM	21.06	21.02	20.95	22.50	
36			LOW	64QAM	19.86	19.67	19.54	21.50	
	MID		64QAM	19.95	19.76	19.59	21.50		
	HIGH		64QAM	19.63	19.59	19.77	21.50		
75	LOW		64QAM	19.90	19.80	19.62	21.50		
20	20		1	LOW	QPSK	22.74	22.61	22.58	24.50
				MID	QPSK	22.78	22.68	22.67	24.50
		HIGH		QPSK	22.72	22.69	22.57	24.50	
		50	LOW	QPSK	21.81	21.66	21.64	23.50	
			MID	QPSK	21.85	21.72	21.64	23.50	
			HIGH	QPSK	21.80	21.71	21.73	23.50	
		100	LOW	QPSK	21.80	21.72	21.62	23.50	
		20	1	LOW	Q16	21.96	21.90	21.78	23.50
				MID	Q16	22.05	22.02	21.84	23.50
	HIGH			Q16	21.97	22.01	21.88	23.50	
	50		LOW	Q16	20.76	20.73	20.59	22.50	
			MID	Q16	20.82	20.75	20.66	22.50	
			HIGH	Q16	20.75	20.75	20.69	22.50	
	100		LOW	Q16	20.81	20.72	20.67	22.50	
	20		1	LOW	64QAM	21.01	21.05	20.81	22.50
				MID	64QAM	21.03	20.88	20.93	22.50
		HIGH		64QAM	21.03	21.06	20.98	22.50	
		50	LOW	64QAM	19.89	19.68	19.69	21.50	
MID			64QAM	19.93	19.62	19.55	21.50		
HIGH			64QAM	19.62	19.62	19.75	21.50		
100		LOW	64QAM	19.92	19.86	19.73	21.50		

LTE B2-DS12&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.61	22.56	22.53	24.50	
		MID	QPSK	22.71	22.70	22.82	24.50	
		HIGH	QPSK	22.85	22.78	22.69	24.50	
	3	LOW	QPSK	22.86	22.76	22.63	24.50	
		MID	QPSK	22.87	22.71	22.62	24.50	
		HIGH	QPSK	22.71	22.74	22.67	24.50	
	6	LOW	QPSK	21.91	21.64	21.72	23.50	
	1.4	1	LOW	Q16	21.86	21.78	21.82	23.50
			MID	Q16	21.97	21.91	21.75	23.50
HIGH			Q16	21.87	22.15	21.81	23.50	
3		LOW	Q16	22.11	21.63	21.71	23.50	
		MID	Q16	22.05	21.83	21.78	23.50	
		HIGH	Q16	21.97	22.06	21.92	23.50	
6		LOW	Q16	20.67	20.59	20.74	22.50	
1.4		1	LOW	64QAM	20.83	20.64	20.88	22.50
			MID	64QAM	20.87	21.03	20.71	22.50
	HIGH		64QAM	20.75	21.17	20.85	22.50	
	3	LOW	64QAM	21.04	20.62	20.71	22.50	
		MID	64QAM	20.92	20.73	20.66	22.50	
		HIGH	64QAM	20.97	21.16	20.95	22.50	
	6	LOW	64QAM	19.67	19.61	19.82	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.79	22.70	22.57	24.50
MID			QPSK	22.86	22.70	22.78	24.50	
HIGH			QPSK	22.64	22.55	22.56	24.50	
8		LOW	QPSK	21.84	21.56	21.50	23.50	
		MID	QPSK	21.71	21.83	21.54	23.50	
		HIGH	QPSK	21.75	21.58	21.61	23.50	
15		LOW	QPSK	21.68	21.75	21.76	23.50	
3		1	LOW	Q16	22.08	21.77	21.93	23.50
			MID	Q16	22.07	22.00	21.79	23.50
	HIGH		Q16	22.07	22.08	21.74	23.50	
	8	LOW	Q16	20.76	20.73	20.72	22.50	
		MID	Q16	20.97	20.60	20.54	22.50	
		HIGH	Q16	20.69	20.86	20.78	22.50	
	15	LOW	Q16	20.80	20.80	20.69	22.50	
	3	1	LOW	64QAM	20.87	21.04	20.91	22.50
			MID	64QAM	20.94	21.03	20.85	22.50
HIGH			64QAM	21.04	21.17	20.96	22.50	
8		LOW	64QAM	20.01	19.61	19.59	21.50	
		MID	64QAM	20.00	19.68	19.50	21.50	
		HIGH	64QAM	19.65	19.51	19.84	21.50	
15		LOW	64QAM	19.99	19.92	19.68	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	22.64	22.75	22.50	24.50
	MID		QPSK	22.79	22.55	22.78	24.50	
	HIGH		QPSK	22.86	22.54	22.69	24.50	
	12	LOW	QPSK	21.66	21.54	21.58	23.50	
		MID	QPSK	21.93	21.59	21.77	23.50	
		HIGH	QPSK	21.78	21.78	21.81	23.50	
	25	LOW	QPSK	21.76	21.87	21.50	23.50	
	5	1	LOW	Q16	22.01	21.75	21.69	23.50
			MID	Q16	22.12	21.95	21.79	23.50
HIGH			Q16	21.83	22.13	21.84	23.50	
12		LOW	Q16	20.90	20.59	20.57	22.50	
		MID	Q16	20.78	20.85	20.66	22.50	
		HIGH	Q16	20.90	20.78	20.70	22.50	
25		LOW	Q16	20.89	20.86	20.67	22.50	
5		1	LOW	64QAM	21.09	20.91	20.86	22.50
			MID	64QAM	20.89	20.99	20.98	22.50
	HIGH		64QAM	20.97	21.08	20.93	22.50	
	12	LOW	64QAM	19.77	19.81	19.58	21.50	
		MID	64QAM	19.91	19.72	19.60	21.50	
		HIGH	64QAM	19.62	19.71	19.88	21.50	
	25	LOW	64QAM	19.73	19.74	19.79	21.50	

LTE B2-DS12&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	22.77	22.72	22.61	24.50	
		MID	QPSK	22.68	22.56	22.66	24.50	
		HIGH	QPSK	22.62	22.54	22.55	24.50	
	25	LOW	QPSK	21.89	21.72	21.72	23.50	
		MID	QPSK	21.94	21.57	21.56	23.50	
		HIGH	QPSK	21.94	21.71	21.62	23.50	
	50	LOW	QPSK	21.71	21.60	21.54	23.50	
	10	1	LOW	Q16	21.99	21.85	21.82	23.50
			MID	Q16	22.17	22.00	21.96	23.50
HIGH			Q16	21.88	22.11	21.84	23.50	
25		LOW	Q16	20.83	20.77	20.74	22.50	
		MID	Q16	20.97	20.67	20.54	22.50	
		HIGH	Q16	20.61	20.76	20.73	22.50	
50		LOW	Q16	20.96	20.64	20.64	22.50	
10		1	LOW	64QAM	20.97	21.05	20.68	22.50
			MID	64QAM	21.07	20.99	20.80	22.50
	HIGH		64QAM	20.94	21.11	21.12	22.50	
	25	LOW	64QAM	19.75	19.70	19.61	21.50	
		MID	64QAM	20.08	19.50	19.67	21.50	
		HIGH	64QAM	19.77	19.59	19.64	21.50	
	50	LOW	64QAM	19.80	19.86	19.80	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	22.63	22.65	22.68	24.50
MID			QPSK	22.92	22.61	22.79	24.50	
HIGH			QPSK	22.87	22.59	22.64	24.50	
36		LOW	QPSK	21.88	21.75	21.70	23.50	
		MID	QPSK	21.74	21.59	21.72	23.50	
		HIGH	QPSK	21.79	21.86	21.71	23.50	
75		LOW	QPSK	21.90	21.62	21.70	23.50	
15		1	LOW	Q16	21.86	21.76	21.90	23.50
			MID	Q16	22.08	22.16	21.78	23.50
	HIGH		Q16	21.85	21.99	21.87	23.50	
	36	LOW	Q16	20.73	20.71	20.66	22.50	
		MID	Q16	20.88	20.84	20.63	22.50	
		HIGH	Q16	20.87	20.85	20.77	22.50	
	75	LOW	Q16	20.89	20.60	20.74	22.50	
	15	1	LOW	64QAM	21.12	20.98	20.66	22.50
			MID	64QAM	21.09	20.77	21.07	22.50
HIGH			64QAM	21.06	21.02	20.95	22.50	
36		LOW	64QAM	19.86	19.67	19.54	21.50	
		MID	64QAM	19.95	19.76	19.59	21.50	
		HIGH	64QAM	19.63	19.59	19.77	21.50	
75		LOW	64QAM	19.90	19.80	19.62	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	22.74	22.61	22.58	24.50
	MID		QPSK	22.78	22.68	22.67	24.50	
	HIGH		QPSK	22.72	22.69	22.57	24.50	
	50	LOW	QPSK	21.81	21.66	21.64	23.50	
		MID	QPSK	21.85	21.72	21.64	23.50	
		HIGH	QPSK	21.80	21.71	21.73	23.50	
	100	LOW	QPSK	21.80	21.72	21.62	23.50	
	20	1	LOW	Q16	21.96	21.90	21.78	23.50
			MID	Q16	22.05	22.02	21.84	23.50
HIGH			Q16	21.97	22.01	21.88	23.50	
50		LOW	Q16	20.76	20.73	20.59	22.50	
		MID	Q16	20.82	20.75	20.66	22.50	
		HIGH	Q16	20.75	20.75	20.69	22.50	
100		LOW	Q16	20.81	20.72	20.67	22.50	
20		1	LOW	64QAM	21.01	21.05	20.81	22.50
			MID	64QAM	21.03	20.88	20.93	22.50
	HIGH		64QAM	21.03	21.06	20.98	22.50	
	50	LOW	64QAM	19.89	19.68	19.69	21.50	
		MID	64QAM	19.93	19.62	19.55	21.50	
		HIGH	64QAM	19.62	19.62	19.75	21.50	
	100	LOW	64QAM	19.92	19.86	19.73	21.50	

LTE B2-DSI4&5 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.04	21.17	21.04	23.00	
		MID	QPSK	21.08	21.15	21.13	23.00	
		HIGH	QPSK	21.02	21.04	21.04	23.00	
	3	LOW	QPSK	21.09	21.15	21.03	23.00	
		MID	QPSK	21.05	21.05	21.04	23.00	
		HIGH	QPSK	21.18	21.07	21.07	23.00	
	6	LOW	QPSK	21.27	21.08	21.06	23.00	
	1.4	1	LOW	Q16	21.31	21.22	21.34	23.00
			MID	Q16	21.36	21.52	21.45	23.00
HIGH			Q16	21.42	21.33	21.31	23.00	
3		LOW	Q16	21.41	21.23	21.38	23.00	
		MID	Q16	21.40	21.21	21.46	23.00	
		HIGH	Q16	21.27	21.40	21.31	23.00	
6		LOW	Q16	20.61	20.73	20.61	22.50	
1.4		1	LOW	64QAM	20.83	20.61	20.71	22.50
			MID	64QAM	20.78	21.09	21.10	22.50
	HIGH		64QAM	21.00	20.97	20.94	22.50	
	3	LOW	64QAM	20.90	20.84	20.78	22.50	
		MID	64QAM	21.00	20.57	20.94	22.50	
		HIGH	64QAM	20.75	21.05	20.84	22.50	
	6	LOW	64QAM	19.59	19.83	19.71	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	21.16	21.11	21.06	23.00
MID			QPSK	21.33	21.06	21.19	23.00	
HIGH			QPSK	21.10	21.04	21.09	23.00	
8		LOW	QPSK	21.18	21.10	21.15	23.00	
		MID	QPSK	21.32	21.11	21.14	23.00	
		HIGH	QPSK	21.30	21.27	21.01	23.00	
15		LOW	QPSK	21.34	21.00	21.18	23.00	
3		1	LOW	Q16	21.41	21.25	21.48	23.00
			MID	Q16	21.47	21.45	21.47	23.00
	HIGH		Q16	21.27	21.44	21.27	23.00	
	8	LOW	Q16	20.74	20.56	20.50	22.50	
		MID	Q16	20.63	20.76	20.56	22.50	
		HIGH	Q16	20.72	20.64	20.67	22.50	
	15	LOW	Q16	20.58	20.58	20.65	22.50	
	3	1	LOW	64QAM	21.05	20.88	20.68	22.50
			MID	64QAM	20.91	20.83	20.83	22.50
HIGH			64QAM	21.01	20.67	20.69	22.50	
8		LOW	64QAM	19.76	19.58	19.56	21.50	
		MID	64QAM	19.84	19.55	19.55	21.50	
		HIGH	64QAM	19.64	19.67	19.67	21.50	
15		LOW	64QAM	19.53	19.61	19.62	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)
5		1	LOW	QPSK	21.27	21.00	21.18	23.00
	MID		QPSK	21.33	21.18	21.19	23.00	
	HIGH		QPSK	21.23	21.13	21.13	23.00	
	12	LOW	QPSK	21.15	21.05	21.10	23.00	
		MID	QPSK	21.14	21.29	21.19	23.00	
		HIGH	QPSK	21.30	21.12	21.02	23.00	
	25	LOW	QPSK	21.35	21.11	21.16	23.00	
	5	1	LOW	Q16	21.37	21.38	21.33	23.00
			MID	Q16	21.45	21.48	21.49	23.00
HIGH			Q16	21.36	21.39	21.07	23.00	
12		LOW	Q16	20.58	20.65	20.62	22.50	
		MID	Q16	20.83	20.77	20.59	22.50	
		HIGH	Q16	20.52	20.51	20.73	22.50	
25		LOW	Q16	20.79	20.53	20.66	22.50	
5		1	LOW	64QAM	20.91	20.95	20.72	22.50
			MID	64QAM	20.87	20.90	20.75	22.50
	HIGH		64QAM	20.81	20.77	20.57	22.50	
	12	LOW	64QAM	19.79	19.54	19.68	21.50	
		MID	64QAM	19.74	19.66	19.65	21.50	
		HIGH	64QAM	19.80	19.66	19.53	21.50	
	25	LOW	64QAM	19.64	19.85	19.67	21.50	

LTE B2-DSI4&5 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)	
10	1	LOW	QPSK	21.08	21.18	21.17	23.00	
		MID	QPSK	21.29	21.16	21.30	23.00	
		HIGH	QPSK	21.07	21.09	21.17	23.00	
	25	LOW	QPSK	21.37	21.18	21.12	23.00	
		MID	QPSK	21.36	21.22	21.18	23.00	
		HIGH	QPSK	21.14	21.17	21.18	23.00	
	50	LOW	QPSK	21.07	21.16	21.09	23.00	
	10	1	LOW	Q16	21.51	21.43	21.42	23.00
			MID	Q16	21.43	21.25	21.27	23.00
HIGH			Q16	21.27	21.35	21.22	23.00	
25		LOW	Q16	20.57	20.69	20.64	22.50	
		MID	Q16	20.88	20.83	20.62	22.50	
		HIGH	Q16	20.59	20.73	20.79	22.50	
50		LOW	Q16	20.69	20.60	20.68	22.50	
10		1	LOW	64QAM	21.16	20.83	20.72	22.50
			MID	64QAM	21.09	20.77	20.71	22.50
	HIGH		64QAM	20.99	20.68	20.74	22.50	
	25	LOW	64QAM	19.89	19.68	19.67	21.50	
		MID	64QAM	19.82	19.64	19.50	21.50	
		HIGH	64QAM	19.71	19.51	19.53	21.50	
	50	LOW	64QAM	19.78	19.80	19.63	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)
	15	1	LOW	QPSK	21.08	21.13	21.10	23.00
MID			QPSK	21.11	21.19	21.11	23.00	
HIGH			QPSK	21.27	21.08	21.18	23.00	
36		LOW	QPSK	21.35	21.13	21.19	23.00	
		MID	QPSK	21.34	21.26	21.18	23.00	
		HIGH	QPSK	21.07	21.03	21.03	23.00	
75		LOW	QPSK	21.20	21.06	21.13	23.00	
15		1	LOW	Q16	21.39	21.34	21.46	23.00
			MID	Q16	21.48	21.32	21.25	23.00
	HIGH		Q16	21.27	21.49	21.13	23.00	
	36	LOW	Q16	20.72	20.67	20.67	22.50	
		MID	Q16	20.83	20.57	20.56	22.50	
		HIGH	Q16	20.51	20.69	20.62	22.50	
	75	LOW	Q16	20.65	20.51	20.61	22.50	
	15	1	LOW	64QAM	21.16	21.01	20.84	22.50
			MID	64QAM	21.02	20.65	20.87	22.50
HIGH			64QAM	20.82	20.68	20.68	22.50	
36		LOW	64QAM	19.82	19.58	19.59	21.50	
		MID	64QAM	19.74	19.54	19.56	21.50	
		HIGH	64QAM	19.67	19.63	19.67	21.50	
75		LOW	64QAM	19.71	19.73	19.62	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
20		1	LOW	QPSK	21.19	21.03	21.03	23.00
	MID		QPSK	21.18	21.09	21.08	23.00	
	HIGH		QPSK	21.12	21.01	21.06	23.00	
	50	LOW	QPSK	21.23	21.08	21.05	23.00	
		MID	QPSK	21.24	21.20	21.09	23.00	
		HIGH	QPSK	21.20	21.17	21.13	23.00	
	100	LOW	QPSK	21.22	21.14	21.08	23.00	
	20	1	LOW	Q16	21.42	21.32	21.35	23.00
			MID	Q16	21.44	21.40	21.40	23.00
HIGH			Q16	21.40	21.35	21.20	23.00	
50		LOW	Q16	20.71	20.55	20.53	22.50	
		MID	Q16	20.73	20.68	20.68	22.50	
		HIGH	Q16	20.66	20.64	20.64	22.50	
100		LOW	Q16	20.69	20.64	20.55	22.50	
20		1	LOW	64QAM	21.03	20.89	20.77	22.50
			MID	64QAM	20.97	20.78	20.79	22.50
	HIGH		64QAM	20.96	20.78	20.62	22.50	
	50	LOW	64QAM	19.83	19.52	19.69	21.50	
		MID	64QAM	19.88	19.64	19.65	21.50	
		HIGH	64QAM	19.72	19.69	19.64	21.50	
	100	LOW	64QAM	19.74	19.68	19.75	21.50	

LTE B2-DS18&9&10 -Ant.31									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)		
1.4	1	LOW	QPSK	18.76	18.69	18.63	20.50		
		MID	QPSK	18.66	18.82	18.70	20.50		
		HIGH	QPSK	18.76	18.72	18.52	20.50		
	3	LOW	QPSK	18.78	18.58	18.64	20.50		
		MID	QPSK	18.75	18.58	18.62	20.50		
		HIGH	QPSK	18.71	18.60	18.60	20.50		
	6	LOW	QPSK	18.89	18.70	18.63	20.50		
	1.4	1	LOW	Q16	19.23	18.81	18.88	20.50	
			MID	Q16	18.91	18.96	18.82	20.50	
HIGH			Q16	18.90	18.72	18.79	20.50		
3		LOW	Q16	19.13	18.62	18.78	20.50		
		MID	Q16	19.10	18.91	18.84	20.50		
		HIGH	Q16	19.09	18.86	18.93	20.50		
6		LOW	Q16	18.81	18.82	18.69	20.50		
1.4		1	LOW	64QAM	19.28	18.72	18.82	20.50	
			MID	64QAM	18.96	18.83	18.69	20.50	
	HIGH		64QAM	18.77	18.78	18.64	20.50		
	3	LOW	64QAM	19.03	18.66	18.75	20.50		
		MID	64QAM	19.05	19.05	18.76	20.50		
		HIGH	64QAM	19.12	18.74	19.01	20.50		
	6	LOW	64QAM	18.70	18.85	18.54	20.50		
	3	3	1	LOW	QPSK	18.59	18.70	18.64	20.50
				MID	QPSK	18.89	18.66	18.70	20.50
HIGH				QPSK	18.68	18.69	18.64	20.50	
8			LOW	QPSK	18.80	18.57	18.66	20.50	
			MID	QPSK	18.75	18.71	18.60	20.50	
			HIGH	QPSK	18.66	18.87	18.58	20.50	
15			LOW	QPSK	18.80	18.61	18.50	20.50	
3			1	LOW	Q16	19.04	18.82	18.70	20.50
				MID	Q16	18.84	19.11	18.78	20.50
		HIGH		Q16	18.94	18.85	18.71	20.50	
		8	LOW	Q16	18.92	18.63	18.71	20.50	
			MID	Q16	18.68	18.64	18.70	20.50	
			HIGH	Q16	18.60	18.85	18.62	20.50	
15		LOW	Q16	18.64	18.62	18.71	20.50		
3		1	LOW	64QAM	19.22	19.01	18.81	20.50	
	MID		64QAM	18.83	19.21	18.77	20.50		
	HIGH		64QAM	18.89	18.89	18.83	20.50		
	8	LOW	64QAM	19.00	18.63	18.75	20.50		
		MID	64QAM	18.83	18.65	18.64	20.50		
		HIGH	64QAM	18.73	18.73	18.92	20.50		
	15	LOW	64QAM	18.88	18.64	18.51	20.50		
	5	5	1	LOW	QPSK	18.84	18.53	18.66	20.50
				MID	QPSK	18.75	18.76	18.77	20.50
HIGH				QPSK	18.73	18.61	18.65	20.50	
12			LOW	QPSK	18.72	18.69	18.72	20.50	
			MID	QPSK	18.98	18.52	18.65	20.50	
			HIGH	QPSK	18.79	18.80	18.66	20.50	
25			LOW	QPSK	18.65	18.68	18.63	20.50	
5			1	LOW	Q16	19.20	18.93	18.71	20.50
				MID	Q16	19.03	19.07	18.92	20.50
		HIGH		Q16	19.16	18.84	18.69	20.50	
		12	LOW	Q16	18.81	18.65	18.73	20.50	
			MID	Q16	18.65	18.77	18.76	20.50	
			HIGH	Q16	18.86	18.77	18.54	20.50	
25		LOW	Q16	18.81	18.76	18.73	20.50		
5		1	LOW	64QAM	19.34	18.83	18.68	20.50	
	MID		64QAM	18.97	19.04	18.96	20.50		
	HIGH		64QAM	18.99	18.82	18.75	20.50		
	12	LOW	64QAM	18.91	18.50	18.70	20.50		
		MID	64QAM	18.63	18.67	18.69	20.50		
		HIGH	64QAM	18.64	18.74	18.65	20.50		
	25	LOW	64QAM	18.74	18.05	18.69	20.50		



LTE B2-DS18&9&10 -Ant.31									
Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)		
10	1	LOW	QPSK	18.80	18.71	18.67	20.50		
		MID	QPSK	18.85	18.56	18.67	20.50		
		HIGH	QPSK	18.67	18.75	18.52	20.50		
	25	LOW	QPSK	18.74	18.69	18.64	20.50		
		MID	QPSK	18.84	18.52	18.69	20.50		
		HIGH	QPSK	18.75	18.88	18.59	20.50		
	50	LOW	QPSK	18.89	18.69	18.56	20.50		
	10	1	LOW	Q16	19.03	18.79	18.79	20.50	
			MID	Q16	19.07	18.93	18.79	20.50	
HIGH			Q16	18.90	18.89	18.85	20.50		
25		LOW	Q16	18.77	18.61	18.75	20.50		
		MID	Q16	18.88	18.87	18.61	20.50		
		HIGH	Q16	18.61	18.73	18.62	20.50		
50		LOW	Q16	18.61	18.80	18.70	20.50		
10		1	LOW	64QAM	19.32	18.71	18.86	20.50	
			MID	64QAM	18.91	19.16	19.06	20.50	
	HIGH		64QAM	18.91	18.86	18.91	20.50		
	25	LOW	64QAM	18.78	18.54	18.75	20.50		
		MID	64QAM	18.74	18.50	18.60	20.50		
		HIGH	64QAM	18.70	18.88	18.82	20.50		
	50	LOW	64QAM	19.03	18.64	18.61	20.50		
	15	15	1	LOW	QPSK	18.79	18.60	18.67	20.50
				MID	QPSK	18.88	18.54	18.53	20.50
HIGH				QPSK	18.71	18.61	18.58	20.50	
36			LOW	QPSK	18.83	18.73	18.60	20.50	
			MID	QPSK	18.74	18.53	18.68	20.50	
			HIGH	QPSK	18.80	18.79	18.67	20.50	
75			LOW	QPSK	18.83	18.50	18.52	20.50	
15			1	LOW	Q16	18.99	18.82	18.87	20.50
				MID	Q16	19.09	18.84	18.78	20.50
		HIGH		Q16	19.07	18.93	18.88	20.50	
		36	LOW	Q16	18.87	18.54	18.67	20.50	
			MID	Q16	18.81	18.80	18.81	20.50	
			HIGH	Q16	18.70	18.72	18.75	20.50	
		75	LOW	Q16	18.61	18.83	18.67	20.50	
		15	1	LOW	64QAM	19.14	18.93	18.67	20.50
				MID	64QAM	18.98	19.19	18.80	20.50
HIGH				64QAM	18.92	18.96	18.73	20.50	
36			LOW	64QAM	18.79	18.70	18.80	20.50	
	MID		64QAM	18.86	18.66	18.67	20.50		
	HIGH		64QAM	18.60	18.71	18.80	20.50		
75	LOW		64QAM	18.77	18.54	18.52	20.50		
20	20		1	LOW	QPSK	18.72	18.63	18.55	20.50
				MID	QPSK	18.75	18.67	18.62	20.50
		HIGH		QPSK	18.64	18.63	18.52	20.50	
		50	LOW	QPSK	18.76	18.65	18.58	20.50	
			MID	QPSK	18.83	18.66	18.59	20.50	
			HIGH	QPSK	18.76	18.73	18.72	20.50	
		100	LOW	QPSK	18.77	18.63	18.61	20.50	
		20	1	LOW	Q16	19.08	18.94	18.85	20.50
				MID	Q16	18.97	18.96	18.84	20.50
	HIGH			Q16	19.01	18.85	18.79	20.50	
	50		LOW	Q16	18.80	18.61	18.63	20.50	
			MID	Q16	18.75	18.73	18.69	20.50	
			HIGH	Q16	18.72	18.71	18.66	20.50	
	100		LOW	Q16	18.76	18.71	18.62	20.50	
	20		1	LOW	64QAM	19.22	18.86	18.76	20.50
				MID	64QAM	18.97	19.07	18.91	20.50
		HIGH		64QAM	19.01	18.81	18.81	20.50	
		50	LOW	64QAM	18.86	18.61	18.71	20.50	
MID			64QAM	18.73	18.59	18.57	20.50		
HIGH			64QAM	18.65	18.86	18.79	20.50		
100		LOW	64QAM	18.91	18.57	18.68	20.50		

### 8.3.1 LTE Band2 Output Power

LTE B2-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.71	22.60	22.66	24.50	
		MID	QPSK	22.89	22.65	22.89	24.50	
		HIGH	QPSK	22.73	22.75	22.54	24.50	
	3	LOW	QPSK	22.69	22.64	22.55	24.50	
		MID	QPSK	22.89	22.76	22.94	24.50	
		HIGH	QPSK	22.55	22.53	22.56	24.50	
	6	LOW	QPSK	21.65	21.64	21.65	23.50	
	1.4	1	LOW	Q16	21.64	21.93	21.90	23.50
			MID	Q16	22.05	21.81	21.63	23.50
HIGH			Q16	21.75	21.67	21.98	23.50	
3		LOW	Q16	21.59	21.75	21.84	23.50	
		MID	Q16	21.94	21.68	21.69	23.50	
		HIGH	Q16	21.77	21.65	22.13	23.50	
6		LOW	Q16	20.85	20.76	21.07	22.50	
1.4		1	LOW	64QAM	20.79	20.67	20.67	22.50
			MID	64QAM	20.69	20.66	20.58	22.50
	HIGH		64QAM	20.56	20.61	20.53	22.50	
	3	LOW	64QAM	20.71	20.74	20.61	22.50	
		MID	64QAM	20.77	20.66	20.61	22.50	
		HIGH	64QAM	20.72	20.56	20.55	22.50	
	6	LOW	64QAM	19.63	19.76	19.66	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.69	22.58	22.63	24.50
MID			QPSK	22.68	22.68	23.00	24.50	
HIGH			QPSK	22.79	22.67	22.60	24.50	
8		LOW	QPSK	21.74	21.54	21.74	23.50	
		MID	QPSK	21.65	21.65	21.67	23.50	
		HIGH	QPSK	21.70	21.93	21.69	23.50	
15		LOW	QPSK	21.69	21.81	21.57	23.50	
3		1	LOW	Q16	21.68	21.86	21.61	23.50
			MID	Q16	21.90	21.86	21.52	23.50
	HIGH		Q16	21.90	21.86	22.00	23.50	
	8	LOW	Q16	20.84	20.79	20.93	22.50	
		MID	Q16	20.78	20.70	20.55	22.50	
		HIGH	Q16	21.06	20.87	20.94	22.50	
	15	LOW	Q16	20.88	20.82	20.95	22.50	
	3	1	LOW	64QAM	20.83	20.74	20.59	22.50
			MID	64QAM	20.63	20.54	20.60	22.50
HIGH			64QAM	20.56	20.56	20.55	22.50	
8		LOW	64QAM	19.57	19.73	19.50	21.50	
		MID	64QAM	19.63	19.65	19.81	21.50	
		HIGH	64QAM	19.70	19.67	19.56	21.50	
15		LOW	64QAM	19.64	19.56	19.68	21.50	

LTE B2-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	22.76	22.72	22.61	24.50	
		MID	QPSK	22.69	22.75	22.88	24.50	
		HIGH	QPSK	22.64	22.63	22.62	24.50	
	12	LOW	QPSK	21.90	21.79	21.75	23.50	
		MID	QPSK	21.85	21.59	21.59	23.50	
		HIGH	QPSK	21.80	21.71	21.78	23.50	
	25	LOW	QPSK	21.53	21.87	21.54	23.50	
	5	1	LOW	Q16	21.71	21.76	21.64	23.50
			MID	Q16	21.88	21.69	21.66	23.50
HIGH			Q16	21.87	21.87	22.14	23.50	
12		LOW	Q16	20.96	20.84	21.09	22.50	
		MID	Q16	20.87	20.69	20.66	22.50	
		HIGH	Q16	21.03	21.00	20.68	22.50	
25		LOW	Q16	20.97	20.63	21.10	22.50	
5		1	LOW	64QAM	20.88	20.69	20.57	22.50
			MID	64QAM	20.53	20.68	20.63	22.50
	HIGH		64QAM	20.80	20.68	20.67	22.50	
	12	LOW	64QAM	19.80	19.76	19.50	21.50	
		MID	64QAM	19.54	19.75	19.75	21.50	
		HIGH	64QAM	19.76	19.76	19.62	21.50	
	25	LOW	64QAM	19.63	19.75	19.65	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	22.61	22.62	22.54	24.50
MID			QPSK	22.73	22.72	22.81	24.50	
HIGH			QPSK	22.58	22.71	22.52	24.50	
25		LOW	QPSK	21.89	21.59	21.65	23.50	
		MID	QPSK	21.59	21.62	21.54	23.50	
		HIGH	QPSK	21.78	21.84	21.83	23.50	
50		LOW	QPSK	21.51	21.72	21.68	23.50	
10		1	LOW	Q16	21.66	21.93	21.76	23.50
			MID	Q16	21.79	21.73	21.59	23.50
	HIGH		Q16	21.82	21.68	21.99	23.50	
	25	LOW	Q16	20.95	20.85	20.85	22.50	
		MID	Q16	20.84	20.52	20.69	22.50	
		HIGH	Q16	20.80	20.81	20.84	22.50	
	50	LOW	Q16	21.10	20.77	20.96	22.50	
	10	1	LOW	64QAM	20.75	20.56	20.61	22.50
			MID	64QAM	20.68	20.67	20.84	22.50
HIGH			64QAM	20.82	20.60	20.55	22.50	
25		LOW	64QAM	19.56	19.53	19.73	21.50	
		MID	64QAM	19.51	19.61	19.61	21.50	
		HIGH	64QAM	19.75	19.73	19.68	21.50	
50		LOW	64QAM	19.53	19.79	19.65	21.50	

LTE B2-Full Power -Ant.31 (ENDC)								
Bandwidth (M)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	22.57	22.78	22.61	24.50	
		MID	QPSK	22.76	22.86	22.96	24.50	
		HIGH	QPSK	22.69	22.66	22.69	24.50	
	36	LOW	QPSK	21.71	21.79	21.68	23.50	
		MID	QPSK	21.83	21.65	21.58	23.50	
		HIGH	QPSK	21.79	21.86	21.84	23.50	
	75	LOW	QPSK	21.68	21.63	21.55	23.50	
	15	1	LOW	Q16	21.67	21.86	21.82	23.50
			MID	Q16	21.79	21.73	21.50	23.50
HIGH			Q16	21.91	21.77	21.90	23.50	
36		LOW	Q16	20.78	20.83	20.80	22.50	
		MID	Q16	20.83	20.76	20.54	22.50	
		HIGH	Q16	21.05	20.88	20.69	22.50	
75		LOW	Q16	20.99	20.84	21.12	22.50	
15		1	LOW	64QAM	20.82	20.72	20.65	22.50
			MID	64QAM	20.55	20.52	20.77	22.50
	HIGH		64QAM	20.53	20.59	20.56	22.50	
	36	LOW	64QAM	19.79	19.78	19.67	21.50	
		MID	64QAM	19.64	19.82	19.60	21.50	
		HIGH	64QAM	19.74	19.84	19.66	21.50	
	75	LOW	64QAM	19.60	19.55	19.55	21.50	
	Bandwidth (M)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	22.64	22.70	22.55	24.50
MID			QPSK	22.82	22.80	22.94	24.50	
HIGH			QPSK	22.67	22.60	22.56	24.50	
50		LOW	QPSK	21.83	21.68	21.79	23.50	
		MID	QPSK	21.72	21.50	21.57	23.50	
		HIGH	QPSK	21.74	21.78	21.72	23.50	
100		LOW	QPSK	21.59	21.74	21.54	23.50	
20		1	LOW	Q16	21.60	21.80	21.75	23.50
			MID	Q16	21.94	21.76	21.63	23.50
	HIGH		Q16	21.87	21.75	22.00	23.50	
	50	LOW	Q16	20.85	20.78	20.94	22.50	
		MID	Q16	20.90	20.65	20.60	22.50	
		HIGH	Q16	20.94	20.88	20.79	22.50	
	100	LOW	Q16	20.98	20.74	20.98	22.50	
	20	1	LOW	64QAM	20.75	20.59	20.55	22.50
			MID	64QAM	20.63	20.52	20.71	22.50
HIGH			64QAM	20.68	20.51	20.69	22.50	
50		LOW	64QAM	19.67	19.68	19.63	21.50	
		MID	64QAM	19.69	19.75	19.70	21.50	
		HIGH	64QAM	19.70	19.75	19.53	21.50	
100		LOW	64QAM	19.53	19.70	19.52	21.50	

LTE B2-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.71	22.60	22.66	24.50	
		MID	QPSK	22.89	22.65	22.89	24.50	
		HIGH	QPSK	22.73	22.75	22.54	24.50	
	3	LOW	QPSK	22.69	22.64	22.55	24.50	
		MID	QPSK	22.89	22.76	22.94	24.50	
		HIGH	QPSK	22.55	22.53	22.56	24.50	
	6	LOW	QPSK	21.65	21.64	21.65	23.50	
	1.4	1	LOW	Q16	21.64	21.93	21.90	23.50
			MID	Q16	22.05	21.81	21.63	23.50
HIGH			Q16	21.75	21.67	21.98	23.50	
3		LOW	Q16	21.59	21.75	21.84	23.50	
		MID	Q16	21.94	21.68	21.69	23.50	
		HIGH	Q16	21.77	21.65	22.13	23.50	
6		LOW	Q16	20.85	20.76	21.07	22.50	
1.4		1	LOW	64QAM	20.79	20.67	20.67	22.50
			MID	64QAM	20.69	20.66	20.58	22.50
	HIGH		64QAM	20.56	20.61	20.53	22.50	
	3	LOW	64QAM	20.71	20.74	20.61	22.50	
		MID	64QAM	20.77	20.66	20.61	22.50	
		HIGH	64QAM	20.72	20.56	20.55	22.50	
	6	LOW	64QAM	19.63	19.76	19.66	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.69	22.58	22.63	24.50
MID			QPSK	22.68	22.68	23.00	24.50	
HIGH			QPSK	22.79	22.67	22.60	24.50	
8		LOW	QPSK	21.74	21.54	21.74	23.50	
		MID	QPSK	21.65	21.65	21.67	23.50	
		HIGH	QPSK	21.70	21.93	21.69	23.50	
15		LOW	QPSK	21.69	21.81	21.57	23.50	
3		1	LOW	Q16	21.68	21.86	21.61	23.50
			MID	Q16	21.90	21.86	21.52	23.50
	HIGH		Q16	21.90	21.86	22.00	23.50	
	8	LOW	Q16	20.84	20.79	20.93	22.50	
		MID	Q16	20.78	20.70	20.55	22.50	
		HIGH	Q16	21.06	20.87	20.94	22.50	
	15	LOW	Q16	20.88	20.82	20.95	22.50	
	3	1	LOW	64QAM	20.83	20.74	20.59	22.50
			MID	64QAM	20.63	20.54	20.60	22.50
HIGH			64QAM	20.56	20.56	20.55	22.50	
8		LOW	64QAM	19.57	19.73	19.50	21.50	
		MID	64QAM	19.63	19.65	19.81	21.50	
		HIGH	64QAM	19.70	19.67	19.56	21.50	
15		LOW	64QAM	19.64	19.56	19.68	21.50	

LTE B2-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	22.76	22.72	22.61	24.50	
		MID	QPSK	22.69	22.75	22.88	24.50	
		HIGH	QPSK	22.64	22.63	22.62	24.50	
	12	LOW	QPSK	21.90	21.79	21.75	23.50	
		MID	QPSK	21.85	21.59	21.59	23.50	
		HIGH	QPSK	21.80	21.71	21.78	23.50	
	25	LOW	QPSK	21.53	21.87	21.54	23.50	
	5	1	LOW	Q16	21.71	21.76	21.64	23.50
			MID	Q16	21.88	21.69	21.66	23.50
HIGH			Q16	21.87	21.87	22.14	23.50	
12		LOW	Q16	20.96	20.84	21.09	22.50	
		MID	Q16	20.87	20.69	20.66	22.50	
		HIGH	Q16	21.03	21.00	20.68	22.50	
25		LOW	Q16	20.97	20.63	21.10	22.50	
5		1	LOW	64QAM	20.88	20.69	20.57	22.50
			MID	64QAM	20.53	20.68	20.63	22.50
	HIGH		64QAM	20.80	20.68	20.67	22.50	
	12	LOW	64QAM	19.80	19.76	19.50	21.50	
		MID	64QAM	19.54	19.75	19.75	21.50	
		HIGH	64QAM	19.76	19.76	19.62	21.50	
	25	LOW	64QAM	19.63	19.75	19.65	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	22.61	22.62	22.54	24.50
MID			QPSK	22.73	22.72	22.81	24.50	
HIGH			QPSK	22.58	22.71	22.52	24.50	
25		LOW	QPSK	21.89	21.59	21.65	23.50	
		MID	QPSK	21.59	21.62	21.54	23.50	
		HIGH	QPSK	21.78	21.84	21.83	23.50	
50		LOW	QPSK	21.51	21.72	21.68	23.50	
10		1	LOW	Q16	21.66	21.93	21.76	23.50
			MID	Q16	21.79	21.73	21.59	23.50
	HIGH		Q16	21.82	21.68	21.99	23.50	
	25	LOW	Q16	20.95	20.85	20.85	22.50	
		MID	Q16	20.84	20.52	20.69	22.50	
		HIGH	Q16	20.80	20.81	20.84	22.50	
	50	LOW	Q16	21.10	20.77	20.96	22.50	
	10	1	LOW	64QAM	20.75	20.56	20.61	22.50
			MID	64QAM	20.68	20.67	20.84	22.50
HIGH			64QAM	20.82	20.60	20.55	22.50	
25		LOW	64QAM	19.56	19.53	19.73	21.50	
		MID	64QAM	19.51	19.61	19.61	21.50	
		HIGH	64QAM	19.75	19.73	19.68	21.50	
50		LOW	64QAM	19.53	19.79	19.65	21.50	

LTE B2-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (M)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	22.57	22.78	22.61	24.50	
		MID	QPSK	22.76	22.86	22.96	24.50	
		HIGH	QPSK	22.69	22.66	22.69	24.50	
	36	LOW	QPSK	21.71	21.79	21.68	23.50	
		MID	QPSK	21.83	21.65	21.58	23.50	
		HIGH	QPSK	21.79	21.86	21.84	23.50	
	75	LOW	QPSK	21.68	21.63	21.55	23.50	
	15	1	LOW	Q16	21.67	21.86	21.82	23.50
			MID	Q16	21.79	21.73	21.50	23.50
HIGH			Q16	21.91	21.77	21.90	23.50	
36		LOW	Q16	20.78	20.83	20.80	22.50	
		MID	Q16	20.83	20.76	20.54	22.50	
		HIGH	Q16	21.05	20.88	20.69	22.50	
75		LOW	Q16	20.99	20.84	21.12	22.50	
15		1	LOW	64QAM	20.82	20.72	20.65	22.50
			MID	64QAM	20.55	20.52	20.77	22.50
	HIGH		64QAM	20.53	20.59	20.56	22.50	
	36	LOW	64QAM	19.79	19.78	19.67	21.50	
		MID	64QAM	19.64	19.82	19.60	21.50	
		HIGH	64QAM	19.74	19.84	19.66	21.50	
	75	LOW	64QAM	19.60	19.55	19.55	21.50	
	Bandwidth (M)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	22.64	22.70	22.55	24.50
MID			QPSK	22.82	22.80	22.94	24.50	
HIGH			QPSK	22.67	22.60	22.56	24.50	
50		LOW	QPSK	21.83	21.68	21.79	23.50	
		MID	QPSK	21.72	21.50	21.57	23.50	
		HIGH	QPSK	21.74	21.78	21.72	23.50	
100		LOW	QPSK	21.59	21.74	21.54	23.50	
20		1	LOW	Q16	21.60	21.80	21.75	23.50
			MID	Q16	21.94	21.76	21.63	23.50
	HIGH		Q16	21.87	21.75	22.00	23.50	
	50	LOW	Q16	20.85	20.78	20.94	22.50	
		MID	Q16	20.90	20.65	20.60	22.50	
		HIGH	Q16	20.94	20.88	20.79	22.50	
	100	LOW	Q16	20.98	20.74	20.98	22.50	
	20	1	LOW	64QAM	20.75	20.59	20.55	22.50
			MID	64QAM	20.63	20.52	20.71	22.50
HIGH			64QAM	20.68	20.51	20.69	22.50	
50		LOW	64QAM	19.67	19.68	19.63	21.50	
		MID	64QAM	19.69	19.75	19.70	21.50	
		HIGH	64QAM	19.70	19.75	19.53	21.50	
100		LOW	64QAM	19.53	19.70	19.52	21.50	

LTE B2-DSI4&5 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.13	22.00	21.99	23.00	
		MID	QPSK	22.12	22.04	21.88	23.00	
		HIGH	QPSK	21.98	21.80	21.75	23.00	
	3	LOW	QPSK	22.02	21.90	22.14	23.00	
		MID	QPSK	21.97	22.01	21.92	23.00	
		HIGH	QPSK	21.83	22.01	21.81	23.00	
	6	LOW	QPSK	21.90	21.64	21.78	23.00	
	1.4	1	LOW	Q16	21.99	21.97	22.22	23.00
			MID	Q16	21.89	21.91	21.91	23.00
HIGH			Q16	21.73	22.05	22.02	23.00	
3		LOW	Q16	21.98	22.01	22.11	23.00	
		MID	Q16	21.99	21.83	21.80	23.00	
		HIGH	Q16	21.58	21.88	22.13	23.00	
6		LOW	Q16	20.55	20.69	20.99	22.50	
1.4		1	LOW	64QAM	20.63	20.69	20.66	22.50
			MID	64QAM	20.83	20.55	20.57	22.50
	HIGH		64QAM	20.84	20.57	20.69	22.50	
	3	LOW	64QAM	20.64	20.69	20.67	22.50	
		MID	64QAM	20.62	20.50	20.66	22.50	
		HIGH	64QAM	20.86	20.64	20.67	22.50	
	6	LOW	64QAM	19.79	19.73	19.74	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	22.09	22.01	22.02	23.00
MID			QPSK	21.86	22.00	22.13	23.00	
HIGH			QPSK	21.94	21.77	21.89	23.00	
8		LOW	QPSK	21.46	21.52	21.51	23.00	
		MID	QPSK	21.48	21.64	21.71	23.00	
		HIGH	QPSK	21.78	21.46	21.72	23.00	
15		LOW	QPSK	21.88	21.62	21.70	23.00	
3		1	LOW	Q16	22.17	21.80	21.97	23.00
			MID	Q16	21.98	21.92	21.77	23.00
	HIGH		Q16	21.79	21.95	22.06	23.00	
	8	LOW	Q16	20.80	20.70	20.69	22.50	
		MID	Q16	20.60	20.60	20.96	22.50	
		HIGH	Q16	20.97	20.59	20.63	22.50	
	15	LOW	Q16	20.67	20.53	20.81	22.50	
	3	1	LOW	64QAM	20.65	20.61	20.72	22.50
			MID	64QAM	20.63	20.67	20.54	22.50
HIGH			64QAM	20.81	20.69	20.64	22.50	
8		LOW	64QAM	19.50	19.63	19.81	21.50	
		MID	64QAM	19.81	19.60	19.69	21.50	
		HIGH	64QAM	19.67	19.61	19.91	21.50	
15		LOW	64QAM	19.77	19.81	19.70	21.50	



LTE B2-DSI4&5 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	21.97	22.10	22.11	23.00	
		MID	QPSK	22.02	21.97	21.90	23.00	
		HIGH	QPSK	21.92	21.73	21.87	23.00	
	12	LOW	QPSK	21.51	21.61	21.63	23.00	
		MID	QPSK	21.54	21.59	21.73	23.00	
		HIGH	QPSK	21.68	21.61	21.65	23.00	
	25	LOW	QPSK	21.83	21.81	21.93	23.00	
	5	1	LOW	Q16	22.07	21.78	22.06	23.00
			MID	Q16	21.94	21.88	21.75	23.00
HIGH			Q16	21.76	21.84	22.01	23.00	
12		LOW	Q16	20.76	20.83	20.59	22.50	
		MID	Q16	20.70	20.67	20.76	22.50	
		HIGH	Q16	21.02	20.57	20.68	22.50	
25		LOW	Q16	20.60	20.68	20.73	22.50	
5		1	LOW	64QAM	20.59	20.55	20.57	22.50
			MID	64QAM	20.69	20.51	20.71	22.50
	HIGH		64QAM	20.85	20.64	20.53	22.50	
	12	LOW	64QAM	19.55	19.51	19.86	21.50	
		MID	64QAM	19.95	19.53	19.53	21.50	
		HIGH	64QAM	19.69	19.68	19.69	21.50	
	25	LOW	64QAM	19.68	19.87	19.63	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	22.02	21.88	21.95	23.00
MID			QPSK	21.94	22.04	22.04	23.00	
HIGH			QPSK	21.89	21.88	21.97	23.00	
25		LOW	QPSK	21.53	21.59	21.66	23.00	
		MID	QPSK	21.61	21.73	21.81	23.00	
		HIGH	QPSK	21.70	21.44	21.77	23.00	
50	LOW	QPSK	21.62	21.78	21.79	23.00		
10	1	LOW	Q16	21.94	21.84	22.13	23.00	
		MID	Q16	21.76	21.81	22.02	23.00	
		HIGH	Q16	21.68	21.95	22.01	23.00	
	25	LOW	Q16	20.86	20.81	20.67	22.50	
		MID	Q16	20.65	20.58	20.78	22.50	
		HIGH	Q16	20.99	20.67	20.71	22.50	
50	LOW	Q16	20.63	20.64	20.71	22.50		
10	1	LOW	64QAM	20.61	20.54	20.52	22.50	
		MID	64QAM	20.66	20.60	20.78	22.50	
		HIGH	64QAM	20.75	20.66	20.55	22.50	
	25	LOW	64QAM	19.68	19.67	19.88	21.50	
		MID	64QAM	19.88	19.50	19.64	21.50	
		HIGH	64QAM	19.67	19.64	19.79	21.50	
	50	LOW	64QAM	19.83	19.69	19.56	21.50	

LTE B2-DSI4&5 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	21.99	21.82	21.99	23.00	
		MID	QPSK	21.93	22.02	21.99	23.00	
		HIGH	QPSK	22.03	21.83	21.70	23.00	
	36	LOW	QPSK	21.52	21.68	21.74	23.00	
		MID	QPSK	21.60	21.75	21.74	23.00	
		HIGH	QPSK	21.63	21.71	21.84	23.00	
	75	LOW	QPSK	21.61	21.61	21.73	23.00	
	15	1	LOW	Q16	22.16	21.90	21.98	23.00
			MID	Q16	21.85	21.84	21.76	23.00
HIGH			Q16	21.69	22.08	21.99	23.00	
36		LOW	Q16	20.96	20.75	20.63	22.50	
		MID	Q16	20.67	20.79	20.86	22.50	
		HIGH	Q16	20.81	20.55	20.70	22.50	
75		LOW	Q16	20.74	20.63	20.87	22.50	
15		1	LOW	64QAM	20.68	20.69	20.52	22.50
			MID	64QAM	20.88	20.61	20.69	22.50
	HIGH		64QAM	20.77	20.62	20.62	22.50	
	36	LOW	64QAM	19.60	19.79	19.90	21.50	
		MID	64QAM	19.82	19.64	19.64	21.50	
		HIGH	64QAM	19.67	19.73	19.88	21.50	
	75	LOW	64QAM	19.73	19.86	19.67	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	22.05	21.97	22.05	23.00
MID			QPSK	21.98	21.92	22.02	23.00	
HIGH			QPSK	21.93	21.86	21.83	23.00	
50		LOW	QPSK	21.58	21.65	21.62	23.00	
		MID	QPSK	21.56	21.67	21.69	23.00	
		HIGH	QPSK	21.67	21.58	21.71	23.00	
100		LOW	QPSK	21.76	21.70	21.81	23.00	
20		1	LOW	Q16	22.06	21.92	22.08	23.00
			MID	Q16	21.87	21.91	21.88	23.00
	HIGH		Q16	21.73	21.96	22.12	23.00	
	50	LOW	Q16	20.90	20.70	20.51	22.50	
		MID	Q16	20.58	20.70	20.81	22.50	
		HIGH	Q16	20.89	20.51	20.68	22.50	
	100	LOW	Q16	20.60	20.50	20.86	22.50	
	20	1	LOW	64QAM	20.58	20.59	20.59	22.50
			MID	64QAM	20.75	20.69	20.64	22.50
HIGH			64QAM	20.72	20.56	20.56	22.50	
50		LOW	64QAM	19.68	19.64	19.76	21.50	
		MID	64QAM	19.84	19.65	19.50	21.50	
		HIGH	64QAM	19.53	19.64	19.80	21.50	
100		LOW	64QAM	19.77	19.80	19.60	21.50	

LTE B2-DSI8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.61	19.50	19.34	20.50	
		MID	QPSK	19.48	19.48	19.73	20.50	
		HIGH	QPSK	19.35	19.38	19.53	20.50	
	3	LOW	QPSK	19.47	19.52	19.45	20.50	
		MID	QPSK	19.36	19.75	19.68	20.50	
		HIGH	QPSK	19.50	19.53	19.49	20.50	
	6	LOW	QPSK	19.55	19.60	19.46	20.50	
	1.4	1	LOW	Q16	19.89	19.69	19.82	20.50
			MID	Q16	19.57	19.91	19.66	20.50
HIGH			Q16	19.71	19.70	19.67	20.50	
3		LOW	Q16	19.79	19.83	19.90	20.50	
		MID	Q16	19.63	20.01	19.63	20.50	
		HIGH	Q16	19.57	19.79	19.82	20.50	
6		LOW	Q16	19.78	19.69	19.66	20.50	
1.4		1	LOW	64QAM	19.37	19.40	19.71	20.50
			MID	64QAM	19.26	19.49	19.35	20.50
	HIGH		64QAM	19.32	19.35	19.56	20.50	
	3	LOW	64QAM	19.22	19.50	19.44	20.50	
		MID	64QAM	19.33	19.22	19.32	20.50	
		HIGH	64QAM	19.37	19.27	19.58	20.50	
	6	LOW	64QAM	19.39	19.66	19.41	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	19.59	19.64	19.36	20.50
MID			QPSK	19.41	19.51	19.77	20.50	
HIGH			QPSK	19.41	19.35	19.50	20.50	
8		LOW	QPSK	19.55	19.71	19.66	20.50	
		MID	QPSK	19.44	19.54	19.34	20.50	
		HIGH	QPSK	19.42	19.61	19.57	20.50	
15		LOW	QPSK	19.54	19.44	19.69	20.50	
3		1	LOW	Q16	19.89	19.78	19.96	20.50
			MID	Q16	19.57	19.91	19.66	20.50
	HIGH		Q16	19.55	19.81	19.60	20.50	
	8	LOW	Q16	19.58	19.67	19.55	20.50	
		MID	Q16	19.38	19.66	19.61	20.50	
		HIGH	Q16	19.66	19.61	19.91	20.50	
	15	LOW	Q16	19.74	19.70	19.71	20.50	
	3	1	LOW	64QAM	19.27	19.39	19.58	20.50
			MID	64QAM	19.40	19.21	19.28	20.50
HIGH			64QAM	19.44	19.53	19.42	20.50	
8		LOW	64QAM	19.77	19.48	19.64	20.50	
		MID	64QAM	19.48	19.47	19.55	20.50	
		HIGH	64QAM	19.53	19.71	19.57	20.50	
15		LOW	64QAM	19.36	19.66	19.33	20.50	

LTE B2-DSI8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	19.64	19.44	19.48	20.50	
		MID	QPSK	19.51	19.74	19.69	20.50	
		HIGH	QPSK	19.48	19.28	19.39	20.50	
	12	LOW	QPSK	19.51	19.72	19.66	20.50	
		MID	QPSK	19.45	19.45	19.52	20.50	
		HIGH	QPSK	19.60	19.61	19.76	20.50	
	25	LOW	QPSK	19.58	19.58	19.61	20.50	
	5	1	LOW	Q16	19.82	19.88	19.70	20.50
			MID	Q16	19.56	19.96	19.47	20.50
HIGH			Q16	19.50	19.76	19.77	20.50	
12		LOW	Q16	19.62	19.69	19.62	20.50	
		MID	Q16	19.42	19.85	19.59	20.50	
		HIGH	Q16	19.94	19.79	19.69	20.50	
25		LOW	Q16	19.90	19.62	19.49	20.50	
5		1	LOW	64QAM	19.40	19.30	19.48	20.50
			MID	64QAM	19.27	19.30	19.37	20.50
	HIGH		64QAM	19.40	19.32	19.52	20.50	
	12	LOW	64QAM	19.61	19.46	19.53	20.50	
		MID	64QAM	19.38	19.58	19.35	20.50	
		HIGH	64QAM	19.30	19.68	19.38	20.50	
	25	LOW	64QAM	19.48	19.49	19.40	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	19.70	19.47	19.54	20.50
MID			QPSK	19.43	19.64	19.55	20.50	
HIGH			QPSK	19.29	19.30	19.42	20.50	
25		LOW	QPSK	19.71	19.56	19.74	20.50	
		MID	QPSK	19.68	19.44	19.58	20.50	
		HIGH	QPSK	19.55	19.43	19.72	20.50	
50		LOW	QPSK	19.61	19.59	19.47	20.50	
10		1	LOW	Q16	19.88	19.75	19.68	20.50
			MID	Q16	19.65	20.01	19.48	20.50
	HIGH		Q16	19.59	19.95	19.79	20.50	
	25	LOW	Q16	19.50	19.60	19.46	20.50	
		MID	Q16	19.43	19.81	19.65	20.50	
		HIGH	Q16	19.71	19.58	19.96	20.50	
	50	LOW	Q16	19.97	19.68	19.66	20.50	
	10	1	LOW	64QAM	19.30	19.46	19.57	20.50
			MID	64QAM	19.16	19.38	19.39	20.50
HIGH			64QAM	19.20	19.49	19.71	20.50	
25		LOW	64QAM	19.63	19.47	19.66	20.50	
		MID	64QAM	19.55	19.44	19.32	20.50	
		HIGH	64QAM	19.31	19.69	19.38	20.50	
50		LOW	64QAM	19.38	19.57	19.41	20.50	

LTE B2-DSI8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	19.53	19.55	19.55	20.50	
		MID	QPSK	19.55	19.65	19.58	20.50	
		HIGH	QPSK	19.31	19.43	19.50	20.50	
	36	LOW	QPSK	19.66	19.66	19.59	20.50	
		MID	QPSK	19.63	19.56	19.41	20.50	
		HIGH	QPSK	19.67	19.63	19.59	20.50	
	75	LOW	QPSK	19.33	19.52	19.48	20.50	
	15	1	LOW	Q16	19.89	19.79	19.80	20.50
			MID	Q16	19.72	19.93	19.44	20.50
HIGH			Q16	19.48	19.95	19.79	20.50	
36		LOW	Q16	19.46	19.51	19.61	20.50	
		MID	Q16	19.54	19.80	19.54	20.50	
		HIGH	Q16	19.84	19.78	19.87	20.50	
75		LOW	Q16	19.82	19.69	19.49	20.50	
15		1	LOW	64QAM	19.18	19.31	19.46	20.50
			MID	64QAM	19.37	19.28	19.34	20.50
	HIGH		64QAM	19.35	19.46	19.59	20.50	
	36	LOW	64QAM	19.73	19.48	19.60	20.50	
		MID	64QAM	19.48	19.38	19.30	20.50	
		HIGH	64QAM	19.51	19.58	19.53	20.50	
	75	LOW	64QAM	19.50	19.69	19.38	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	19.58	19.52	19.46	20.50
MID			QPSK	19.51	19.60	19.70	20.50	
HIGH			QPSK	19.40	19.40	19.44	20.50	
50		LOW	QPSK	19.57	19.58	19.68	20.50	
		MID	QPSK	19.55	19.41	19.47	20.50	
		HIGH	QPSK	19.52	19.57	19.70	20.50	
100	LOW	QPSK	19.48	19.54	19.60	20.50		
20	1	LOW	Q16	19.84	19.76	19.82	20.50	
		MID	Q16	19.59	19.86	19.58	20.50	
		HIGH	Q16	19.56	19.85	19.74	20.50	
	50	LOW	Q16	19.55	19.65	19.51	20.50	
		MID	Q16	19.47	19.71	19.58	20.50	
		HIGH	Q16	19.80	19.70	19.82	20.50	
100	LOW	Q16	19.83	19.64	19.62	20.50		
20	1	LOW	64QAM	19.29	19.39	19.56	20.50	
		MID	64QAM	19.28	19.35	19.43	20.50	
		HIGH	64QAM	19.35	19.41	19.57	20.50	
	50	LOW	64QAM	19.64	19.52	19.53	20.50	
		MID	64QAM	19.43	19.52	19.45	20.50	
		HIGH	64QAM	19.42	19.69	19.43	20.50	
	100	LOW	64QAM	19.37	19.63	19.46	20.50	

### 8.3.1 LTE Band2 Output Power(UL Inter CA)

LTE B2-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.01	21.12	21.01	22.50	
		MID	QPSK	20.97	21.03	20.93	22.50	
		HIGH	QPSK	21.16	20.95	21.19	22.50	
	3	LOW	QPSK	20.98	21.19	21.09	22.50	
		MID	QPSK	20.98	20.83	21.07	22.50	
		HIGH	QPSK	20.91	20.92	21.07	22.50	
	6	LOW	QPSK	20.01	20.15	19.76	21.50	
	1.4	1	LOW	Q16	19.99	19.99	19.84	21.50
			MID	Q16	20.22	19.93	20.10	21.50
HIGH			Q16	19.86	20.14	20.09	21.50	
3		LOW	Q16	20.01	20.14	20.00	21.50	
		MID	Q16	20.00	20.05	20.01	21.50	
		HIGH	Q16	19.86	20.25	20.24	21.50	
6		LOW	Q16	19.10	19.03	18.88	20.50	
1.4		1	LOW	64QAM	19.12	18.86	18.88	20.50
			MID	64QAM	19.03	18.90	19.23	20.50
	HIGH		64QAM	19.03	19.07	18.73	20.50	
	3	LOW	64QAM	19.20	18.88	18.84	20.50	
		MID	64QAM	18.92	18.77	19.18	20.50	
		HIGH	64QAM	18.85	18.98	18.76	20.50	
	6	LOW	64QAM	17.80	17.85	18.09	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	20.96	21.18	21.19	22.50
MID			QPSK	20.89	20.97	21.16	22.50	
HIGH			QPSK	20.93	20.84	21.06	22.50	
8		LOW	QPSK	20.03	19.83	20.20	21.50	
		MID	QPSK	20.10	19.99	19.80	21.50	
		HIGH	QPSK	19.86	19.82	19.91	21.50	
15		LOW	QPSK	20.20	20.19	19.83	21.50	
3		1	LOW	Q16	20.11	20.06	19.91	21.50
			MID	Q16	20.18	19.91	20.10	21.50
	HIGH		Q16	19.76	20.05	20.10	21.50	
	8	LOW	Q16	18.81	18.86	18.99	20.50	
		MID	Q16	18.83	18.87	19.03	20.50	
		HIGH	Q16	19.15	18.90	18.78	20.50	
	15	LOW	Q16	19.17	19.17	18.97	20.50	
	3	1	LOW	64QAM	19.20	18.77	18.98	20.50
			MID	64QAM	18.93	18.95	19.21	20.50
HIGH			64QAM	19.12	19.04	18.72	20.50	
8		LOW	64QAM	17.94	17.86	18.15	19.50	
		MID	64QAM	18.13	18.14	17.81	19.50	
		HIGH	64QAM	18.08	18.04	17.91	19.50	
15		LOW	64QAM	17.97	17.99	18.02	19.50	

LTE B2-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	21.04	21.00	21.02	22.50	
		MID	QPSK	20.91	20.92	21.05	22.50	
		HIGH	QPSK	21.13	21.00	21.14	22.50	
	12	LOW	QPSK	19.76	19.93	20.07	21.50	
		MID	QPSK	20.14	19.94	19.98	21.50	
		HIGH	QPSK	19.82	19.83	19.75	21.50	
	25	LOW	QPSK	20.01	20.04	19.81	21.50	
	5	1	LOW	Q16	20.18	19.99	19.73	21.50
			MID	Q16	19.97	19.92	20.25	21.50
HIGH			Q16	19.77	20.16	20.19	21.50	
12		LOW	Q16	18.81	18.96	19.06	20.50	
		MID	Q16	18.96	19.03	18.90	20.50	
		HIGH	Q16	19.17	18.88	18.92	20.50	
25		LOW	Q16	19.12	19.10	19.07	20.50	
5		1	LOW	64QAM	19.23	18.84	18.81	20.50
			MID	64QAM	19.00	18.81	19.03	20.50
	HIGH		64QAM	19.05	19.06	18.76	20.50	
	12	LOW	64QAM	17.88	18.10	18.04	19.50	
		MID	64QAM	18.03	18.16	17.92	19.50	
		HIGH	64QAM	18.01	18.18	17.92	19.50	
	25	LOW	64QAM	17.89	17.99	18.14	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	20.94	21.04	21.11	22.50
MID			QPSK	21.05	20.86	21.18	22.50	
HIGH			QPSK	21.12	20.83	20.98	22.50	
25		LOW	QPSK	20.01	19.90	20.09	21.50	
		MID	QPSK	20.14	19.95	20.07	21.50	
		HIGH	QPSK	19.94	19.93	19.88	21.50	
50	LOW	QPSK	20.12	20.06	20.03	21.50		
10	1	LOW	Q16	20.20	19.86	19.83	21.50	
		MID	Q16	19.99	19.92	20.06	21.50	
		HIGH	Q16	20.00	20.20	19.97	21.50	
	25	LOW	Q16	18.99	18.94	19.15	20.50	
		MID	Q16	18.84	18.89	18.86	20.50	
		HIGH	Q16	19.11	19.01	18.97	20.50	
50	LOW	Q16	19.28	19.19	18.98	20.50		
10	1	LOW	64QAM	19.20	18.72	18.98	20.50	
		MID	64QAM	18.97	18.85	19.19	20.50	
		HIGH	64QAM	18.90	18.83	18.99	20.50	
	25	LOW	64QAM	17.92	18.09	17.97	19.50	
		MID	64QAM	17.96	18.15	18.07	19.50	
		HIGH	64QAM	18.07	18.11	18.08	19.50	
	50	LOW	64QAM	17.78	17.74	18.02	19.50	

LTE B2-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	21.07	21.09	21.05	22.50	
		MID	QPSK	20.92	20.78	20.94	22.50	
		HIGH	QPSK	21.03	20.82	21.20	22.50	
	36	LOW	QPSK	19.97	19.78	19.93	21.50	
		MID	QPSK	20.13	20.03	19.84	21.50	
		HIGH	QPSK	20.05	19.86	19.82	21.50	
	75	LOW	QPSK	20.26	20.15	19.87	21.50	
	15	1	LOW	Q16	19.99	20.00	19.94	21.50
			MID	Q16	20.11	20.04	20.21	21.50
HIGH			Q16	19.71	20.00	20.11	21.50	
36		LOW	Q16	18.80	18.84	18.98	20.50	
		MID	Q16	18.98	19.00	19.03	20.50	
		HIGH	Q16	19.10	18.92	18.81	20.50	
75		LOW	Q16	19.20	19.20	19.02	20.50	
15		1	LOW	64QAM	19.13	18.81	18.79	20.50
			MID	64QAM	18.95	18.85	19.08	20.50
	HIGH		64QAM	18.87	18.91	18.80	20.50	
	36	LOW	64QAM	17.81	18.10	18.24	19.50	
		MID	64QAM	17.91	18.14	17.88	19.50	
		HIGH	64QAM	17.97	18.11	18.09	19.50	
	75	LOW	64QAM	17.97	17.77	17.89	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	21.06	21.15	21.06	22.50
MID			QPSK	20.93	20.89	21.03	22.50	
HIGH			QPSK	21.05	20.90	21.13	22.50	
50		LOW	QPSK	19.89	19.86	20.08	21.50	
		MID	QPSK	20.09	19.98	19.94	21.50	
		HIGH	QPSK	19.90	19.95	19.87	21.50	
100		LOW	QPSK	20.11	20.12	19.90	21.50	
20		1	LOW	Q16	20.11	19.99	19.88	21.50
			MID	Q16	20.08	19.97	20.11	21.50
	HIGH		Q16	19.85	20.15	20.09	21.50	
	50	LOW	Q16	18.92	18.85	19.02	20.50	
		MID	Q16	18.91	18.96	18.93	20.50	
		HIGH	Q16	19.12	18.98	18.85	20.50	
	100	LOW	Q16	19.13	19.13	18.93	20.50	
	20	1	LOW	64QAM	19.10	18.86	18.90	20.50
			MID	64QAM	18.92	18.92	19.08	20.50
HIGH			64QAM	18.99	18.94	18.87	20.50	
50		LOW	64QAM	17.89	18.01	18.09	19.50	
		MID	64QAM	17.98	18.05	17.94	19.50	
		HIGH	64QAM	18.10	18.04	17.97	19.50	
100		LOW	64QAM	17.88	17.87	18.00	19.50	



LTE B2-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.01	21.12	21.01	22.50	
		MID	QPSK	20.97	21.03	20.93	22.50	
		HIGH	QPSK	21.16	20.95	21.19	22.50	
	3	LOW	QPSK	20.98	21.19	21.09	22.50	
		MID	QPSK	20.98	20.83	21.07	22.50	
		HIGH	QPSK	20.91	20.92	21.07	22.50	
	6	LOW	QPSK	20.01	20.15	19.76	21.50	
	1.4	1	LOW	Q16	19.99	19.99	19.84	21.50
			MID	Q16	20.22	19.93	20.10	21.50
HIGH			Q16	19.86	20.14	20.09	21.50	
3		LOW	Q16	20.01	20.14	20.00	21.50	
		MID	Q16	20.00	20.05	20.01	21.50	
		HIGH	Q16	19.86	20.25	20.24	21.50	
6		LOW	Q16	19.10	19.03	18.88	20.50	
1.4		1	LOW	64QAM	19.12	18.86	18.88	20.50
			MID	64QAM	19.03	18.90	19.23	20.50
	HIGH		64QAM	19.03	19.07	18.73	20.50	
	3	LOW	64QAM	19.20	18.88	18.84	20.50	
		MID	64QAM	18.92	18.77	19.18	20.50	
		HIGH	64QAM	18.85	18.98	18.76	20.50	
	6	LOW	64QAM	17.80	17.85	18.09	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	20.96	21.18	21.19	22.50
MID			QPSK	20.89	20.97	21.16	22.50	
HIGH			QPSK	20.93	20.84	21.06	22.50	
8		LOW	QPSK	20.03	19.83	20.20	21.50	
		MID	QPSK	20.10	19.99	19.80	21.50	
		HIGH	QPSK	19.86	19.82	19.91	21.50	
15		LOW	QPSK	20.20	20.19	19.83	21.50	
3		1	LOW	Q16	20.11	20.06	19.91	21.50
			MID	Q16	20.18	19.91	20.10	21.50
	HIGH		Q16	19.76	20.05	20.10	21.50	
	8	LOW	Q16	18.81	18.86	18.99	20.50	
		MID	Q16	18.83	18.87	19.03	20.50	
		HIGH	Q16	19.15	18.90	18.78	20.50	
	15	LOW	Q16	19.17	19.17	18.97	20.50	
	3	1	LOW	64QAM	19.20	18.77	18.98	20.50
			MID	64QAM	18.93	18.95	19.21	20.50
HIGH			64QAM	19.12	19.04	18.72	20.50	
8		LOW	64QAM	17.94	17.86	18.15	19.50	
		MID	64QAM	18.13	18.14	17.81	19.50	
		HIGH	64QAM	18.08	18.04	17.91	19.50	
15		LOW	64QAM	17.97	17.99	18.02	19.50	

LTE B2-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	21.04	21.00	21.02	22.50	
		MID	QPSK	20.91	20.92	21.05	22.50	
		HIGH	QPSK	21.13	21.00	21.14	22.50	
	12	LOW	QPSK	19.76	19.93	20.07	21.50	
		MID	QPSK	20.14	19.94	19.98	21.50	
		HIGH	QPSK	19.82	19.83	19.75	21.50	
	25	LOW	QPSK	20.01	20.04	19.81	21.50	
	5	1	LOW	Q16	20.18	19.99	19.73	21.50
			MID	Q16	19.97	19.92	20.25	21.50
HIGH			Q16	19.77	20.16	20.19	21.50	
12		LOW	Q16	18.81	18.96	19.06	20.50	
		MID	Q16	18.96	19.03	18.90	20.50	
		HIGH	Q16	19.17	18.88	18.92	20.50	
25		LOW	Q16	19.12	19.10	19.07	20.50	
5		1	LOW	64QAM	19.23	18.84	18.81	20.50
			MID	64QAM	19.00	18.81	19.03	20.50
	HIGH		64QAM	19.05	19.06	18.76	20.50	
	12	LOW	64QAM	17.88	18.10	18.04	19.50	
		MID	64QAM	18.03	18.16	17.92	19.50	
		HIGH	64QAM	18.01	18.18	17.92	19.50	
	25	LOW	64QAM	17.89	17.99	18.14	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	20.94	21.04	21.11	22.50
MID			QPSK	21.05	20.86	21.18	22.50	
HIGH			QPSK	21.12	20.83	20.98	22.50	
25		LOW	QPSK	20.01	19.90	20.09	21.50	
		MID	QPSK	20.14	19.95	20.07	21.50	
		HIGH	QPSK	19.94	19.93	19.88	21.50	
50	LOW	QPSK	20.12	20.06	20.03	21.50		
10	1	LOW	Q16	20.20	19.86	19.83	21.50	
		MID	Q16	19.99	19.92	20.06	21.50	
		HIGH	Q16	20.00	20.20	19.97	21.50	
	25	LOW	Q16	18.99	18.94	19.15	20.50	
		MID	Q16	18.84	18.89	18.86	20.50	
		HIGH	Q16	19.11	19.01	18.97	20.50	
50	LOW	Q16	19.28	19.19	18.98	20.50		
10	1	LOW	64QAM	19.20	18.72	18.98	20.50	
		MID	64QAM	18.97	18.85	19.19	20.50	
		HIGH	64QAM	18.90	18.83	18.99	20.50	
	25	LOW	64QAM	17.92	18.09	17.97	19.50	
		MID	64QAM	17.96	18.15	18.07	19.50	
		HIGH	64QAM	18.07	18.11	18.08	19.50	
	50	LOW	64QAM	17.78	17.74	18.02	19.50	

LTE B2-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	21.07	21.09	21.05	22.50	
		MID	QPSK	20.92	20.78	20.94	22.50	
		HIGH	QPSK	21.03	20.82	21.20	22.50	
	36	LOW	QPSK	19.97	19.78	19.93	21.50	
		MID	QPSK	20.13	20.03	19.84	21.50	
		HIGH	QPSK	20.05	19.86	19.82	21.50	
	75	LOW	QPSK	20.26	20.15	19.87	21.50	
	15	1	LOW	Q16	19.99	20.00	19.94	21.50
			MID	Q16	20.11	20.04	20.21	21.50
HIGH			Q16	19.71	20.00	20.11	21.50	
36		LOW	Q16	18.80	18.84	18.98	20.50	
		MID	Q16	18.98	19.00	19.03	20.50	
		HIGH	Q16	19.10	18.92	18.81	20.50	
75		LOW	Q16	19.20	19.20	19.02	20.50	
15		1	LOW	64QAM	19.13	18.81	18.79	20.50
			MID	64QAM	18.95	18.85	19.08	20.50
	HIGH		64QAM	18.87	18.91	18.80	20.50	
	36	LOW	64QAM	17.81	18.10	18.24	19.50	
		MID	64QAM	17.91	18.14	17.88	19.50	
		HIGH	64QAM	17.97	18.11	18.09	19.50	
	75	LOW	64QAM	17.97	17.77	17.89	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	21.06	21.15	21.06	22.50
MID			QPSK	20.93	20.89	21.03	22.50	
HIGH			QPSK	21.05	20.90	21.13	22.50	
50		LOW	QPSK	19.89	19.86	20.08	21.50	
		MID	QPSK	20.09	19.98	19.94	21.50	
		HIGH	QPSK	19.90	19.95	19.87	21.50	
100	LOW	QPSK	20.11	20.12	19.90	21.50		
20	1	LOW	Q16	20.11	19.99	19.88	21.50	
		MID	Q16	20.08	19.97	20.11	21.50	
		HIGH	Q16	19.85	20.15	20.09	21.50	
	50	LOW	Q16	18.92	18.85	19.02	20.50	
		MID	Q16	18.91	18.96	18.93	20.50	
		HIGH	Q16	19.12	18.98	18.85	20.50	
100	LOW	Q16	19.13	19.13	18.93	20.50		
20	1	LOW	64QAM	19.10	18.86	18.90	20.50	
		MID	64QAM	18.92	18.92	19.08	20.50	
		HIGH	64QAM	18.99	18.94	18.87	20.50	
	50	LOW	64QAM	17.89	18.01	18.09	19.50	
		MID	64QAM	17.98	18.05	17.94	19.50	
		HIGH	64QAM	18.10	18.04	17.97	19.50	
	100	LOW	64QAM	17.88	17.87	18.00	19.50	

LTE B2-DSI4&5 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.66	19.61	19.49	21.00	
		MID	QPSK	19.40	19.54	19.53	21.00	
		HIGH	QPSK	19.44	19.43	19.41	21.00	
	3	LOW	QPSK	19.53	19.46	19.35	21.00	
		MID	QPSK	19.50	19.63	19.58	21.00	
		HIGH	QPSK	19.35	19.47	19.51	21.00	
	6	LOW	QPSK	19.50	19.65	19.54	21.00	
	1.4	1	LOW	Q16	19.49	19.31	19.60	21.00
			MID	Q16	19.45	19.26	19.73	21.00
HIGH			Q16	19.40	19.58	19.33	21.00	
3		LOW	Q16	19.34	19.38	19.52	21.00	
		MID	Q16	19.26	19.47	19.56	21.00	
		HIGH	Q16	19.49	19.55	19.23	21.00	
6		LOW	Q16	19.08	19.15	18.72	20.50	
1.4		1	LOW	64QAM	18.85	19.07	18.93	20.50
			MID	64QAM	18.78	19.05	19.08	20.50
	HIGH		64QAM	18.84	19.17	18.90	20.50	
	3	LOW	64QAM	19.00	18.96	18.91	20.50	
		MID	64QAM	18.86	18.99	19.08	20.50	
		HIGH	64QAM	18.83	19.17	18.95	20.50	
	6	LOW	64QAM	18.15	18.03	18.28	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	19.65	19.44	19.41	21.00
MID			QPSK	19.23	19.51	19.65	21.00	
HIGH			QPSK	19.47	19.35	19.44	21.00	
8		LOW	QPSK	19.52	19.56	19.21	21.00	
		MID	QPSK	19.59	19.73	19.53	21.00	
		HIGH	QPSK	19.63	19.26	19.39	21.00	
15		LOW	QPSK	19.39	19.63	19.59	21.00	
3		1	LOW	Q16	19.34	19.43	19.35	21.00
			MID	Q16	19.40	19.43	19.73	21.00
	HIGH		Q16	19.52	19.65	19.41	21.00	
	8	LOW	Q16	19.01	19.06	18.85	20.50	
		MID	Q16	18.90	19.02	18.80	20.50	
		HIGH	Q16	19.14	19.17	19.06	20.50	
	15	LOW	Q16	19.24	19.16	18.71	20.50	
	3	1	LOW	64QAM	18.95	18.81	18.95	20.50
			MID	64QAM	18.78	19.05	18.83	20.50
HIGH			64QAM	18.85	18.93	18.99	20.50	
8		LOW	64QAM	17.98	18.24	17.99	19.50	
		MID	64QAM	18.03	17.96	18.26	19.50	
		HIGH	64QAM	18.04	17.81	17.91	19.50	
15		LOW	64QAM	17.93	17.98	18.14	19.50	

LTE B2-DSI4&5 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	19.64	19.65	19.44	21.00	
		MID	QPSK	19.28	19.63	19.50	21.00	
		HIGH	QPSK	19.48	19.57	19.48	21.00	
	12	LOW	QPSK	19.60	19.49	19.44	21.00	
		MID	QPSK	19.53	19.75	19.55	21.00	
		HIGH	QPSK	19.52	19.27	19.36	21.00	
	25	LOW	QPSK	19.31	19.65	19.51	21.00	
	5	1	LOW	Q16	19.39	19.49	19.37	21.00
			MID	Q16	19.44	19.33	19.62	21.00
HIGH			Q16	19.43	19.56	19.43	21.00	
12		LOW	Q16	18.90	19.16	18.77	20.50	
		MID	Q16	19.09	18.91	18.89	20.50	
		HIGH	Q16	18.92	19.03	19.13	20.50	
25		LOW	Q16	19.27	19.14	18.78	20.50	
5		1	LOW	64QAM	19.00	19.10	18.88	20.50
			MID	64QAM	18.83	19.13	19.00	20.50
	HIGH		64QAM	19.09	19.13	18.73	20.50	
	12	LOW	64QAM	17.97	18.01	17.96	19.50	
		MID	64QAM	17.97	17.81	18.17	19.50	
		HIGH	64QAM	18.12	17.94	17.92	19.50	
	25	LOW	64QAM	18.12	17.98	18.17	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	19.58	19.55	19.48	21.00
MID			QPSK	19.41	19.60	19.48	21.00	
HIGH			QPSK	19.63	19.51	19.48	21.00	
25		LOW	QPSK	19.55	19.32	19.42	21.00	
		MID	QPSK	19.50	19.64	19.55	21.00	
		HIGH	QPSK	19.43	19.24	19.31	21.00	
50	LOW	QPSK	19.47	19.62	19.39	21.00		
10	1	LOW	Q16	19.51	19.23	19.36	21.00	
		MID	Q16	19.47	19.34	19.68	21.00	
		HIGH	Q16	19.62	19.64	19.44	21.00	
	25	LOW	Q16	18.94	19.06	18.94	20.50	
		MID	Q16	19.04	18.81	18.92	20.50	
		HIGH	Q16	18.87	19.04	18.88	20.50	
50	LOW	Q16	19.01	19.11	18.81	20.50		
10	1	LOW	64QAM	18.89	18.85	18.88	20.50	
		MID	64QAM	18.96	18.93	18.85	20.50	
		HIGH	64QAM	18.92	19.17	18.85	20.50	
	25	LOW	64QAM	17.73	18.01	17.94	19.50	
		MID	64QAM	18.08	17.90	18.20	19.50	
		HIGH	64QAM	18.04	18.00	17.98	19.50	
	50	LOW	64QAM	18.15	18.06	18.01	19.50	

LTE B2-DSI4&5 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	19.43	19.62	19.50	21.00	
		MID	QPSK	19.46	19.51	19.53	21.00	
		HIGH	QPSK	19.56	19.60	19.49	21.00	
	36	LOW	QPSK	19.44	19.48	19.35	21.00	
		MID	QPSK	19.67	19.71	19.57	21.00	
		HIGH	QPSK	19.69	19.38	19.41	21.00	
	75	LOW	QPSK	19.33	19.74	19.47	21.00	
	15	1	LOW	Q16	19.52	19.44	19.54	21.00
			MID	Q16	19.33	19.49	19.71	21.00
HIGH			Q16	19.58	19.50	19.46	21.00	
36		LOW	Q16	19.10	19.15	18.78	20.50	
		MID	Q16	18.99	19.00	18.85	20.50	
		HIGH	Q16	19.05	19.17	18.99	20.50	
75		LOW	Q16	19.27	19.02	18.85	20.50	
15		1	LOW	64QAM	18.98	18.99	19.03	20.50
			MID	64QAM	19.01	19.03	19.01	20.50
	HIGH		64QAM	18.95	18.96	18.90	20.50	
	36	LOW	64QAM	17.99	18.15	17.81	19.50	
		MID	64QAM	17.99	17.97	18.12	19.50	
		HIGH	64QAM	18.00	17.76	18.04	19.50	
	75	LOW	64QAM	18.15	17.99	18.16	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	19.55	19.55	19.39	21.00
MID			QPSK	19.36	19.54	19.58	21.00	
HIGH			QPSK	19.50	19.48	19.46	21.00	
50		LOW	QPSK	19.49	19.47	19.36	21.00	
		MID	QPSK	19.58	19.64	19.64	21.00	
		HIGH	QPSK	19.58	19.39	19.39	21.00	
100		LOW	QPSK	19.46	19.62	19.54	21.00	
20		1	LOW	Q16	19.42	19.36	19.49	21.00
			MID	Q16	19.35	19.38	19.65	21.00
	HIGH		Q16	19.55	19.56	19.35	21.00	
	50	LOW	Q16	19.01	19.10	18.90	20.50	
		MID	Q16	19.01	18.91	18.90	20.50	
		HIGH	Q16	19.02	19.07	19.03	20.50	
	100	LOW	Q16	19.14	19.05	18.86	20.50	
	20	1	LOW	64QAM	18.86	18.95	18.96	20.50
			MID	64QAM	18.93	18.99	18.95	20.50
HIGH			64QAM	18.96	19.03	18.85	20.50	
50		LOW	64QAM	17.87	18.13	17.92	19.50	
		MID	64QAM	17.94	17.93	18.15	19.50	
		HIGH	64QAM	18.12	17.85	17.94	19.50	
100		LOW	64QAM	18.03	17.93	18.15	19.50	

LTE B2-DSI8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18607	18900	19193	Tune-up power(dBm)	
1.4	1	LOW	QPSK	16.97	17.00	16.96	18.50	
		MID	QPSK	16.88	16.82	16.83	18.50	
		HIGH	QPSK	17.05	17.18	17.19	18.50	
	3	LOW	QPSK	16.98	16.88	16.99	18.50	
		MID	QPSK	17.02	16.75	16.82	18.50	
		HIGH	QPSK	16.91	16.95	17.08	18.50	
	6	LOW	QPSK	16.86	16.97	16.94	18.50	
	1.4	1	LOW	Q16	16.92	16.87	16.96	18.50
			MID	Q16	16.89	16.89	16.91	18.50
HIGH			Q16	16.87	16.93	16.92	18.50	
3		LOW	Q16	17.12	16.94	16.87	18.50	
		MID	Q16	16.89	17.11	17.12	18.50	
		HIGH	Q16	16.93	17.08	16.83	18.50	
6		LOW	Q16	16.91	17.06	16.98	18.50	
1.4		1	LOW	64QAM	16.99	17.17	16.96	18.50
			MID	64QAM	16.96	17.16	16.99	18.50
	HIGH		64QAM	17.00	17.08	17.02	18.50	
	3	LOW	64QAM	16.97	17.22	17.13	18.50	
		MID	64QAM	17.12	17.05	16.87	18.50	
		HIGH	64QAM	16.88	17.28	17.01	18.50	
	6	LOW	64QAM	16.92	16.89	16.92	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18615	18900	19185	Tune-up power(dBm)
	3	1	LOW	QPSK	17.13	16.81	17.13	18.50
MID			QPSK	17.05	16.92	16.88	18.50	
HIGH			QPSK	16.99	16.99	16.99	18.50	
8		LOW	QPSK	17.12	16.93	17.26	18.50	
		MID	QPSK	17.11	16.79	16.91	18.50	
		HIGH	QPSK	17.15	16.88	17.01	18.50	
15		LOW	QPSK	16.75	16.96	16.92	18.50	
3		1	LOW	Q16	17.21	17.10	17.05	18.50
			MID	Q16	16.86	16.83	17.00	18.50
	HIGH		Q16	16.86	17.21	16.81	18.50	
	8	LOW	Q16	16.87	17.04	17.01	18.50	
		MID	Q16	17.08	16.81	16.98	18.50	
		HIGH	Q16	16.83	17.14	16.87	18.50	
	15	LOW	Q16	16.78	16.86	16.81	18.50	
	3	1	LOW	64QAM	17.26	17.06	17.10	18.50
			MID	64QAM	16.97	16.94	17.02	18.50
HIGH			64QAM	17.07	17.06	17.22	18.50	
8		LOW	64QAM	16.91	16.78	16.99	18.50	
		MID	64QAM	16.99	16.85	17.00	18.50	
		HIGH	64QAM	17.04	16.83	16.85	18.50	
15		LOW	64QAM	17.16	16.87	16.90	18.50	

LTE B2-DSI8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18625	18900	19175	Tune-up power(dBm)	
5	1	LOW	QPSK	17.14	16.84	16.98	18.50	
		MID	QPSK	16.86	16.83	16.80	18.50	
		HIGH	QPSK	16.87	17.21	17.03	18.50	
	12	LOW	QPSK	17.14	16.94	17.07	18.50	
		MID	QPSK	16.93	16.94	16.88	18.50	
		HIGH	QPSK	17.01	17.01	16.98	18.50	
	25	LOW	QPSK	16.99	17.09	17.10	18.50	
	5	1	LOW	Q16	17.02	16.88	16.90	18.50
			MID	Q16	16.97	17.07	16.88	18.50
HIGH			Q16	16.94	17.00	17.05	18.50	
12		LOW	Q16	16.98	17.01	17.01	18.50	
		MID	Q16	17.11	16.96	17.17	18.50	
		HIGH	Q16	16.76	17.05	16.80	18.50	
25		LOW	Q16	17.00	16.80	16.93	18.50	
5		1	LOW	64QAM	17.09	17.07	16.88	18.50
			MID	64QAM	17.03	17.04	17.14	18.50
	HIGH		64QAM	16.89	17.12	17.12	18.50	
	12	LOW	64QAM	17.00	17.07	17.05	18.50	
		MID	64QAM	17.23	16.97	17.16	18.50	
		HIGH	64QAM	17.06	16.87	17.02	18.50	
	25	LOW	64QAM	17.00	16.81	17.13	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18650	18900	19150	Tune-up power(dBm)
	10	1	LOW	QPSK	16.93	16.96	17.05	18.50
MID			QPSK	16.83	16.97	16.77	18.50	
HIGH			QPSK	17.00	17.24	17.27	18.50	
25		LOW	QPSK	17.24	17.07	17.17	18.50	
		MID	QPSK	16.99	16.97	17.10	18.50	
		HIGH	QPSK	17.08	16.89	17.10	18.50	
50	LOW	QPSK	16.84	17.11	16.97	18.50		
10	1	LOW	Q16	16.95	16.90	16.87	18.50	
		MID	Q16	16.76	17.03	17.04	18.50	
		HIGH	Q16	16.88	16.93	16.93	18.50	
	25	LOW	Q16	16.94	17.02	16.89	18.50	
		MID	Q16	17.09	17.01	17.10	18.50	
		HIGH	Q16	16.86	17.24	16.78	18.50	
50	LOW	Q16	16.80	16.89	16.91	18.50		
10	1	LOW	64QAM	17.22	16.99	17.01	18.50	
		MID	64QAM	16.92	17.04	17.15	18.50	
		HIGH	64QAM	17.06	17.01	17.19	18.50	
	25	LOW	64QAM	16.93	17.04	16.84	18.50	
		MID	64QAM	17.10	16.78	17.10	18.50	
		HIGH	64QAM	16.99	16.83	17.02	18.50	
	50	LOW	64QAM	16.88	16.87	16.91	18.50	



LTE B2-DSI8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	18675	18900	19125	Tune-up power(dBm)	
15	1	LOW	QPSK	17.09	16.75	17.04	18.50	
		MID	QPSK	17.03	16.74	16.76	18.50	
		HIGH	QPSK	17.09	17.05	17.14	18.50	
	36	LOW	QPSK	16.97	17.05	17.15	18.50	
		MID	QPSK	17.00	16.86	16.99	18.50	
		HIGH	QPSK	16.93	16.92	16.96	18.50	
	75	LOW	QPSK	16.78	16.98	16.90	18.50	
	15	1	LOW	Q16	17.19	16.89	16.99	18.50
			MID	Q16	16.80	17.02	17.09	18.50
HIGH			Q16	16.92	16.98	17.03	18.50	
36		LOW	Q16	16.94	17.07	16.92	18.50	
		MID	Q16	17.17	17.04	17.16	18.50	
		HIGH	Q16	16.86	17.00	16.95	18.50	
75		LOW	Q16	16.86	17.01	17.02	18.50	
15		1	LOW	64QAM	17.13	17.07	17.14	18.50
			MID	64QAM	16.99	17.13	16.96	18.50
	HIGH		64QAM	16.82	17.28	17.22	18.50	
	36	LOW	64QAM	16.93	16.96	17.02	18.50	
		MID	64QAM	17.11	16.86	17.26	18.50	
		HIGH	64QAM	16.87	17.03	17.02	18.50	
	75	LOW	64QAM	17.07	16.82	17.02	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	18700	18900	19100	Tune-up power(dBm)
	20	1	LOW	QPSK	17.06	16.86	17.02	18.50
MID			QPSK	16.92	16.89	16.90	18.50	
HIGH			QPSK	16.94	17.09	17.14	18.50	
50		LOW	QPSK	17.12	17.04	17.14	18.50	
		MID	QPSK	16.96	16.89	16.96	18.50	
		HIGH	QPSK	17.00	16.86	17.04	18.50	
100	LOW	QPSK	16.88	17.06	17.01	18.50		
20	1	LOW	Q16	17.07	16.99	16.99	18.50	
		MID	Q16	16.90	16.96	16.98	18.50	
		HIGH	Q16	16.91	17.08	16.94	18.50	
	50	LOW	Q16	16.99	16.97	16.96	18.50	
		MID	Q16	17.05	16.94	17.04	18.50	
		HIGH	Q16	16.87	17.15	16.93	18.50	
100	LOW	Q16	16.86	16.95	16.96	18.50		
20	1	LOW	64QAM	17.12	17.09	17.03	18.50	
		MID	64QAM	17.04	17.09	17.02	18.50	
		HIGH	64QAM	16.97	17.13	17.14	18.50	
	50	LOW	64QAM	16.86	16.93	16.90	18.50	
		MID	64QAM	17.10	16.86	17.15	18.50	
		HIGH	64QAM	16.97	16.96	17.00	18.50	
	100	LOW	64QAM	17.02	16.96	17.02	18.50	

## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.96	22.95	22.66	24.50	
		MID	QPSK	22.85	22.98	22.78	24.50	
		HIGH	QPSK	22.91	22.98	22.77	24.50	
	3	LOW	QPSK	22.93	23.01	22.81	24.50	
		MID	QPSK	23.10	22.99	22.64	24.50	
		HIGH	QPSK	23.17	22.99	22.76	24.50	
	6	LOW	QPSK	21.91	21.97	21.96	23.50	
	1.4	1	LOW	Q16	22.29	22.10	22.03	23.50
			MID	Q16	22.18	22.08	21.96	23.50
HIGH			Q16	22.29	22.27	22.08	23.50	
3		LOW	Q16	22.32	21.88	22.05	23.50	
		MID	Q16	22.47	22.25	22.02	23.50	
		HIGH	Q16	22.20	22.12	21.90	23.50	
6		LOW	Q16	21.09	20.92	20.92	22.50	
1.4		1	LOW	64QAM	21.29	21.24	21.01	22.50
			MID	64QAM	21.22	21.12	20.86	22.50
	HIGH		64QAM	21.16	21.16	20.95	22.50	
	3	LOW	64QAM	21.45	20.86	20.99	22.50	
		MID	64QAM	21.47	21.32	20.87	22.50	
		HIGH	64QAM	21.05	21.17	20.87	22.50	
	6	LOW	64QAM	20.22	19.84	19.99	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	23.02	22.95	22.89	24.50
MID			QPSK	22.83	22.84	22.73	24.50	
HIGH			QPSK	23.18	22.86	22.77	24.50	
8		LOW	QPSK	22.09	21.84	21.70	23.50	
		MID	QPSK	21.99	22.06	22.00	23.50	
		HIGH	QPSK	22.14	21.81	21.86	23.50	
15		LOW	QPSK	21.93	21.98	21.85	23.50	
3		1	LOW	Q16	22.33	22.04	22.14	23.50
			MID	Q16	22.32	22.28	21.85	23.50
	HIGH		Q16	22.42	22.42	22.03	23.50	
	8	LOW	Q16	21.11	20.89	20.82	22.50	
		MID	Q16	21.21	20.99	20.93	22.50	
		HIGH	Q16	21.04	21.08	20.69	22.50	
	15	LOW	Q16	20.91	20.94	20.79	22.50	
	3	1	LOW	64QAM	21.46	21.12	21.15	22.50
			MID	64QAM	21.35	21.20	20.76	22.50
HIGH			64QAM	21.27	21.20	21.02	22.50	
8		LOW	64QAM	19.89	19.99	20.03	21.50	
		MID	64QAM	20.08	20.16	20.05	21.50	
		HIGH	64QAM	20.02	19.96	19.91	21.50	
15		LOW	64QAM	20.21	19.86	19.54	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	23.09	22.99	22.90	24.50
	MID		QPSK	23.06	22.93	22.69	24.50	
	HIGH		QPSK	22.92	23.00	22.90	24.50	
	12	LOW	QPSK	22.04	21.70	21.82	23.50	
		MID	QPSK	22.13	22.01	22.00	23.50	
		HIGH	QPSK	22.06	21.95	21.66	23.50	
	25	LOW	QPSK	21.98	21.88	21.73	23.50	
	5	1	LOW	Q16	22.19	22.31	21.92	23.50
			MID	Q16	22.43	22.11	21.83	23.50
HIGH			Q16	22.24	22.22	21.95	23.50	
12		LOW	Q16	20.97	20.92	20.83	22.50	
		MID	Q16	21.04	20.83	20.99	22.50	
		HIGH	Q16	20.90	21.06	20.96	22.50	
25		LOW	Q16	20.98	20.94	20.87	22.50	
5		1	LOW	64QAM	21.25	21.13	21.15	22.50
			MID	64QAM	21.36	21.29	20.96	22.50
	HIGH		64QAM	21.33	21.40	20.95	22.50	
	12	LOW	64QAM	19.93	19.95	20.05	21.50	
		MID	64QAM	20.10	19.96	20.06	21.50	
		HIGH	64QAM	20.00	20.14	19.64	21.50	
	25	LOW	64QAM	19.73	19.25	19.69	21.50	

LTE B4-Full Power -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	23.14	22.90	22.86	24.50		
		MID	QPSK	23.03	23.00	22.65	24.50		
		HIGH	QPSK	23.16	22.89	22.89	24.50		
	25	LOW	QPSK	21.95	21.87	21.79	23.50		
		MID	QPSK	22.14	21.83	21.91	23.50		
		HIGH	QPSK	21.95	21.87	21.71	23.50		
	50	LOW	QPSK	21.98	21.98	21.90	23.50		
	10	1	LOW	Q16	22.28	22.19	22.05	23.50	
			MID	Q16	22.41	22.30	22.08	23.50	
HIGH			Q16	22.31	22.48	21.88	23.50		
25		LOW	Q16	20.97	20.77	20.97	22.50		
		MID	Q16	20.95	20.86	20.99	22.50		
		HIGH	Q16	21.17	20.85	20.82	22.50		
50		LOW	Q16	21.11	20.80	20.96	22.50		
10		1	LOW	64QAM	21.20	21.03	21.08	22.50	
			MID	64QAM	21.37	21.13	20.89	22.50	
	HIGH		64QAM	21.42	21.19	21.07	22.50		
	25	LOW	64QAM	19.93	19.79	20.10	21.50		
		MID	64QAM	20.17	19.93	19.96	21.50		
		HIGH	64QAM	20.03	20.05	19.83	21.50		
	50	LOW	64QAM	20.27	19.98	19.83	21.50		
	15	15	1	LOW	QPSK	23.09	22.77	22.91	24.50
				MID	QPSK	22.96	22.84	22.85	24.50
HIGH				QPSK	23.04	22.77	22.91	24.50	
36			LOW	QPSK	21.98	21.71	21.72	23.50	
			MID	QPSK	22.20	22.06	21.90	23.50	
			HIGH	QPSK	22.03	21.80	21.69	23.50	
75			LOW	QPSK	21.95	21.76	21.94	23.50	
15			1	LOW	Q16	22.31	22.26	22.18	23.50
				MID	Q16	22.38	22.21	22.09	23.50
		HIGH		Q16	22.42	22.50	21.85	23.50	
		36	LOW	Q16	21.20	20.86	20.78	22.50	
			MID	Q16	20.95	20.94	20.78	22.50	
			HIGH	Q16	20.93	20.88	20.96	22.50	
		75	LOW	Q16	21.07	21.02	20.96	22.50	
		15	1	LOW	64QAM	21.27	21.12	21.03	22.50
				MID	64QAM	21.24	21.39	20.85	22.50
HIGH				64QAM	21.30	21.13	21.06	22.50	
36			LOW	64QAM	20.02	19.83	20.10	21.50	
	MID		64QAM	20.13	19.87	19.82	21.50		
	HIGH		64QAM	19.78	19.94	19.91	21.50		
75	LOW		64QAM	20.03	19.97	19.62	21.50		
20	20		1	LOW	QPSK	22.78	22.91	23.03	24.50
				MID	QPSK	22.77	22.96	22.98	24.50
		HIGH		QPSK	22.79	22.91	23.04	24.50	
		50	LOW	QPSK	21.85	21.84	22.04	23.50	
			MID	QPSK	21.87	21.91	22.07	23.50	
			HIGH	QPSK	21.77	21.86	22.04	23.50	
		100	LOW	QPSK	22.05	21.88	21.84	23.50	
		20	1	LOW	Q16	22.23	22.16	22.03	23.50
				MID	Q16	22.33	22.15	21.97	23.50
	HIGH			Q16	22.31	22.36	21.94	23.50	
	50		LOW	Q16	21.06	20.89	20.91	22.50	
			MID	Q16	21.06	20.90	20.88	22.50	
			HIGH	Q16	21.05	20.96	20.82	22.50	
	100		LOW	Q16	21.04	20.88	20.83	22.50	
	20		1	LOW	64QAM	21.34	21.11	21.07	22.50
				MID	64QAM	21.32	21.28	20.82	22.50
		HIGH		64QAM	21.29	21.28	20.93	22.50	
		50	LOW	64QAM	20.01	19.91	19.97	21.50	
			MID	64QAM	20.04	20.01	19.95	21.50	
			HIGH	64QAM	19.93	20.08	19.79	21.50	
		100	LOW	64QAM	19.73	19.93	19.68	21.50	

LTE B4-DSI2&3 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)		
1.4	1	LOW	QPSK	16.02	15.76	15.70	17.50		
		MID	QPSK	15.94	15.88	15.66	17.50		
		HIGH	QPSK	16.02	15.87	15.88	17.50		
	3	LOW	QPSK	16.07	15.92	15.93	17.50		
		MID	QPSK	15.91	15.84	15.67	17.50		
		HIGH	QPSK	15.91	16.00	15.58	17.50		
	6	LOW	QPSK	16.02	15.66	15.87	17.50		
	1.4	1	LOW	Q16	16.25	16.21	16.20	17.50	
			MID	Q16	16.31	16.21	16.13	17.50	
HIGH			Q16	16.15	16.35	16.14	17.50		
3		LOW	Q16	16.36	15.92	16.00	17.50		
		MID	Q16	16.30	16.25	15.99	17.50		
		HIGH	Q16	16.25	16.38	16.13	17.50		
6		LOW	Q16	15.89	15.93	15.74	17.50		
1.4		1	LOW	64QAM	16.34	16.27	16.12	17.50	
			MID	64QAM	16.17	16.10	16.14	17.50	
	HIGH		64QAM	16.17	16.35	16.25	17.50		
	3	LOW	64QAM	16.17	15.90	16.04	17.50		
		MID	64QAM	16.25	16.16	15.99	17.50		
		HIGH	64QAM	16.29	16.36	16.16	17.50		
	6	LOW	64QAM	15.79	15.93	15.66	17.50		
	3	3	1	LOW	QPSK	15.90	15.73	15.75	17.50
				MID	QPSK	16.11	15.85	15.78	17.50
HIGH				QPSK	16.07	15.93	15.90	17.50	
8			LOW	QPSK	16.04	15.92	15.96	17.50	
			MID	QPSK	16.15	15.85	15.82	17.50	
			HIGH	QPSK	16.03	15.66	15.79	17.50	
15			LOW	QPSK	16.08	15.80	15.81	17.50	
3			1	LOW	Q16	16.14	16.17	16.24	17.50
				MID	Q16	16.24	16.09	16.18	17.50
		HIGH		Q16	16.19	16.20	16.05	17.50	
		8	LOW	Q16	16.01	15.92	15.74	17.50	
			MID	Q16	16.22	16.01	15.94	17.50	
			HIGH	Q16	16.11	15.87	15.88	17.50	
15		LOW	Q16	15.92	15.68	15.66	17.50		
3		1	LOW	64QAM	16.37	16.30	16.19	17.50	
	MID		64QAM	15.96	16.18	16.03	17.50		
	HIGH		64QAM	16.12	16.01	16.08	17.50		
	8	LOW	64QAM	16.04	15.85	15.78	17.50		
		MID	64QAM	16.03	16.14	15.85	17.50		
		HIGH	64QAM	15.99	16.04	15.75	17.50		
	15	LOW	64QAM	16.09	15.85	15.99	17.50		
	5	5	1	LOW	QPSK	15.92	15.85	15.70	17.50
				MID	QPSK	16.07	15.67	15.79	17.50
HIGH				QPSK	16.01	15.94	15.65	17.50	
12			LOW	QPSK	15.90	15.80	15.75	17.50	
			MID	QPSK	16.15	15.70	15.79	17.50	
			HIGH	QPSK	15.98	15.77	15.82	17.50	
25			LOW	QPSK	16.08	15.94	15.81	17.50	
5			1	LOW	Q16	16.29	16.28	16.26	17.50
				MID	Q16	16.20	16.20	16.07	17.50
		HIGH		Q16	15.98	16.24	16.27	17.50	
		12	LOW	Q16	16.04	16.05	15.91	17.50	
			MID	Q16	15.99	15.82	15.82	17.50	
			HIGH	Q16	16.17	16.01	15.84	17.50	
25		LOW	Q16	16.11	15.91	15.80	17.50		
5		1	LOW	64QAM	16.29	16.45	16.32	17.50	
	MID		64QAM	16.14	16.28	16.15	17.50		
	HIGH		64QAM	16.08	16.25	16.06	17.50		
	12	LOW	64QAM	16.06	16.02	15.90	17.50		
		MID	64QAM	16.07	16.06	15.89	17.50		
		HIGH	64QAM	16.13	16.04	15.72	17.50		
	25	LOW	64QAM	16.02/16.97	15.98	15.95	17.50		

LTE B4-DSI2&3 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	15.86	15.70	15.72	17.50		
		MID	QPSK	15.91	15.82	15.72	17.50		
		HIGH	QPSK	15.90	15.90	15.68	17.50		
	25	LOW	QPSK	15.96	15.98	16.01	17.50		
		MID	QPSK	15.92	16.00	15.72	17.50		
		HIGH	QPSK	15.92	15.88	15.82	17.50		
	50	LOW	QPSK	16.09	15.93	15.73	17.50		
	10	1	LOW	Q16	16.25	16.25	16.17	17.50	
			MID	Q16	16.33	16.09	16.19	17.50	
HIGH			Q16	16.23	16.26	15.99	17.50		
25		LOW	Q16	16.01	15.85	15.93	17.50		
		MID	Q16	15.85	15.93	15.98	17.50		
		HIGH	Q16	15.90	16.01	15.76	17.50		
50		LOW	Q16	16.05	15.77	15.79	17.50		
10		1	LOW	64QAM	16.47	16.26	16.23	17.50	
			MID	64QAM	16.11	16.27	15.96	17.50	
	HIGH		64QAM	16.14	15.94	16.03	17.50		
	25	LOW	64QAM	16.01	15.99	16.02	17.50		
		MID	64QAM	16.12	15.99	16.08	17.50		
		HIGH	64QAM	16.06	15.87	15.72	17.50		
	50	LOW	64QAM	15.86	15.96	16.04	17.50		
	15	15	1	LOW	QPSK	15.85	15.86	15.78	17.50
				MID	QPSK	15.84	15.82	15.91	17.50
HIGH				QPSK	15.92	15.90	15.79	17.50	
36			LOW	QPSK	15.92	15.72	15.84	17.50	
			MID	QPSK	15.96	15.89	15.92	17.50	
			HIGH	QPSK	15.96	15.97	15.83	17.50	
75			LOW	QPSK	15.91	15.97	15.68	17.50	
15			1	LOW	Q16	16.23	16.40	16.21	17.50
				MID	Q16	16.21	16.27	16.27	17.50
		HIGH		Q16	16.14	16.15	15.98	17.50	
		36	LOW	Q16	15.92	15.85	15.97	17.50	
			MID	Q16	16.14	15.87	15.91	17.50	
			HIGH	Q16	16.22	15.84	15.90	17.50	
		75	LOW	Q16	16.15	15.89	15.95	17.50	
		15	1	LOW	64QAM	16.46	16.41	16.14	17.50
				MID	64QAM	16.30	16.30	16.01	17.50
HIGH				64QAM	16.14	16.23	15.93	17.50	
36			LOW	64QAM	15.89	16.13	15.80	17.50	
	MID		64QAM	16.12	16.10	16.00	17.50		
	HIGH		64QAM	16.10	15.98	15.78	17.50		
75	LOW		64QAM	15.95	15.94	15.83	17.50		
20	20		1	LOW	QPSK	15.89	15.91	15.83	17.50
				MID	QPSK	15.86	16.02	15.68	17.50
		HIGH		QPSK	15.81	15.96	15.81	17.50	
		50	LOW	QPSK	15.83	15.97	15.88	17.50	
			MID	QPSK	15.81	16.02	15.87	17.50	
			HIGH	QPSK	15.84	15.97	15.76	17.50	
		100	LOW	QPSK	15.94	16.00	15.85	17.50	
		20	1	LOW	Q16	16.21	16.28	16.17	17.50
				MID	Q16	16.27	16.25	16.10	17.50
	HIGH			Q16	16.08	16.24	16.10	17.50	
	50		LOW	Q16	15.87	15.89	15.91	17.50	
			MID	Q16	16.06	15.89	15.87	17.50	
			HIGH	Q16	16.10	15.96	15.74	17.50	
	100		LOW	Q16	15.96	15.89	15.84	17.50	
	20		1	LOW	64QAM	16.39	16.38	16.21	17.50
				MID	64QAM	16.12	16.23	15.99	17.50
		HIGH		64QAM	16.14	16.15	16.05	17.50	
		50	LOW	64QAM	15.96	16.01	15.95	17.50	
MID			64QAM	15.99	15.96	15.99	17.50		
HIGH			64QAM	16.04	16.02	15.69	17.50		
100		LOW	64QAM	15.96	16.02	15.98	17.50		

LTE B4-DSI4 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.96	22.95	22.66	24.50	
		MID	QPSK	22.85	22.98	22.78	24.50	
		HIGH	QPSK	22.91	22.98	22.77	24.50	
	3	LOW	QPSK	22.93	23.01	22.81	24.50	
		MID	QPSK	23.10	22.99	22.64	24.50	
		HIGH	QPSK	23.17	22.99	22.76	24.50	
	6	LOW	QPSK	21.91	21.97	21.96	23.50	
	1.4	1	LOW	Q16	22.29	22.10	22.03	23.50
			MID	Q16	22.18	22.08	21.96	23.50
HIGH			Q16	22.29	22.27	22.08	23.50	
3		LOW	Q16	22.32	21.88	22.05	23.50	
		MID	Q16	22.47	22.25	22.02	23.50	
		HIGH	Q16	22.20	22.12	21.90	23.50	
6		LOW	Q16	21.09	20.92	20.92	22.50	
1.4		1	LOW	64QAM	21.29	21.24	21.01	22.50
			MID	64QAM	21.22	21.12	20.86	22.50
	HIGH		64QAM	21.16	21.16	20.95	22.50	
	3	LOW	64QAM	21.45	20.86	20.99	22.50	
		MID	64QAM	21.47	21.32	20.87	22.50	
		HIGH	64QAM	21.05	21.17	20.87	22.50	
	6	LOW	64QAM	20.22	19.84	19.99	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	23.02	22.95	22.89	24.50
MID			QPSK	22.83	22.84	22.73	24.50	
HIGH			QPSK	23.18	22.86	22.77	24.50	
8		LOW	QPSK	22.09	21.84	21.70	23.50	
		MID	QPSK	21.99	22.06	22.00	23.50	
		HIGH	QPSK	22.14	21.81	21.86	23.50	
15		LOW	QPSK	21.93	21.98	21.85	23.50	
3		1	LOW	Q16	22.33	22.04	22.14	23.50
			MID	Q16	22.32	22.28	21.85	23.50
	HIGH		Q16	22.42	22.42	22.03	23.50	
	8	LOW	Q16	21.11	20.89	20.82	22.50	
		MID	Q16	21.21	20.99	20.93	22.50	
		HIGH	Q16	21.04	21.08	20.69	22.50	
	15	LOW	Q16	20.91	20.94	20.79	22.50	
	3	1	LOW	64QAM	21.46	21.12	21.15	22.50
			MID	64QAM	21.35	21.20	20.76	22.50
HIGH			64QAM	21.27	21.20	21.02	22.50	
8		LOW	64QAM	19.89	19.99	20.03	21.50	
		MID	64QAM	20.08	20.16	20.05	21.50	
		HIGH	64QAM	20.02	19.96	19.91	21.50	
15		LOW	64QAM	20.21	19.86	19.54	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	23.09	22.99	22.90	24.50
	MID		QPSK	23.06	22.93	22.69	24.50	
	HIGH		QPSK	22.92	23.00	22.90	24.50	
	12	LOW	QPSK	22.04	21.70	21.82	23.50	
		MID	QPSK	22.13	22.01	22.00	23.50	
		HIGH	QPSK	22.06	21.95	21.66	23.50	
	25	LOW	QPSK	21.98	21.88	21.73	23.50	
	5	1	LOW	Q16	22.19	22.31	21.92	23.50
			MID	Q16	22.43	22.11	21.83	23.50
HIGH			Q16	22.24	22.22	21.95	23.50	
12		LOW	Q16	20.97	20.92	20.83	22.50	
		MID	Q16	21.04	20.83	20.99	22.50	
		HIGH	Q16	20.90	21.06	20.96	22.50	
25		LOW	Q16	20.98	20.94	20.87	22.50	
5		1	LOW	64QAM	21.25	21.13	21.15	22.50
			MID	64QAM	21.36	21.29	20.96	22.50
	HIGH		64QAM	21.33	21.40	20.95	22.50	
	12	LOW	64QAM	19.93	19.95	20.05	21.50	
		MID	64QAM	20.10	19.96	20.06	21.50	
		HIGH	64QAM	20.00	20.14	19.64	21.50	
	25	LOW	64QAM	19.73	19.25	19.69	21.50	

LTE B4-DS14 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	23.14	22.90	22.86	24.50		
		MID	QPSK	23.03	23.00	22.65	24.50		
		HIGH	QPSK	23.16	22.89	22.89	24.50		
	25	LOW	QPSK	21.95	21.87	21.79	23.50		
		MID	QPSK	22.14	21.83	21.91	23.50		
		HIGH	QPSK	21.95	21.87	21.71	23.50		
	50	LOW	QPSK	21.98	21.98	21.90	23.50		
	10	1	LOW	Q16	22.28	22.19	22.05	23.50	
			MID	Q16	22.41	22.30	22.08	23.50	
HIGH			Q16	22.31	22.48	21.88	23.50		
25		LOW	Q16	20.97	20.77	20.97	22.50		
		MID	Q16	20.95	20.86	20.99	22.50		
		HIGH	Q16	21.17	20.85	20.82	22.50		
50		LOW	Q16	21.11	20.80	20.96	22.50		
10		1	LOW	64QAM	21.20	21.03	21.08	22.50	
			MID	64QAM	21.37	21.13	20.89	22.50	
	HIGH		64QAM	21.42	21.19	21.07	22.50		
	25	LOW	64QAM	19.93	19.79	20.10	21.50		
		MID	64QAM	20.17	19.93	19.96	21.50		
		HIGH	64QAM	20.03	20.05	19.83	21.50		
	50	LOW	64QAM	20.27	19.98	19.83	21.50		
	15	15	1	LOW	QPSK	23.09	22.77	22.91	24.50
				MID	QPSK	22.96	22.84	22.85	24.50
HIGH				QPSK	23.04	22.77	22.91	24.50	
36			LOW	QPSK	21.98	21.71	21.72	23.50	
			MID	QPSK	22.20	22.06	21.90	23.50	
			HIGH	QPSK	22.03	21.80	21.69	23.50	
75			LOW	QPSK	21.95	21.76	21.94	23.50	
15			1	LOW	Q16	22.31	22.26	22.18	23.50
				MID	Q16	22.38	22.21	22.09	23.50
		HIGH		Q16	22.42	22.50	21.85	23.50	
		36	LOW	Q16	21.20	20.86	20.78	22.50	
			MID	Q16	20.95	20.94	20.78	22.50	
			HIGH	Q16	20.93	20.88	20.96	22.50	
		75	LOW	Q16	21.07	21.02	20.96	22.50	
		15	1	LOW	64QAM	21.27	21.12	21.03	22.50
				MID	64QAM	21.24	21.39	20.85	22.50
HIGH				64QAM	21.30	21.13	21.06	22.50	
36			LOW	64QAM	20.02	19.83	20.10	21.50	
	MID		64QAM	20.13	19.87	19.82	21.50		
	HIGH		64QAM	19.78	19.94	19.91	21.50		
75	LOW		64QAM	20.03	19.97	19.62	21.50		
20	20		1	LOW	QPSK	22.78	22.91	23.03	24.50
				MID	QPSK	22.77	22.96	22.98	24.50
		HIGH		QPSK	22.79	22.91	23.04	24.50	
		50	LOW	QPSK	21.85	21.84	22.04	23.50	
			MID	QPSK	21.87	21.91	22.07	23.50	
			HIGH	QPSK	21.77	21.86	22.04	23.50	
		100	LOW	QPSK	22.05	21.88	21.84	23.50	
		20	1	LOW	Q16	22.23	22.16	22.03	23.50
				MID	Q16	22.33	22.15	21.97	23.50
	HIGH			Q16	22.31	22.36	21.94	23.50	
	50		LOW	Q16	21.06	20.89	20.91	22.50	
			MID	Q16	21.06	20.90	20.88	22.50	
			HIGH	Q16	21.05	20.96	20.82	22.50	
	100		LOW	Q16	21.04	20.88	20.83	22.50	
	20		1	LOW	64QAM	21.34	21.11	21.07	22.50
				MID	64QAM	21.32	21.28	20.82	22.50
		HIGH		64QAM	21.29	21.28	20.93	22.50	
		50	LOW	64QAM	20.01	19.91	19.97	21.50	
			MID	64QAM	20.04	20.01	19.95	21.50	
			HIGH	64QAM	19.93	20.08	19.79	21.50	
		100	LOW	64QAM	19.73	19.93	19.68	21.50	

LTE B4-DSI5 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)		
1.4	1	LOW	QPSK	19.83	19.85	19.73	21.50		
		MID	QPSK	19.99	19.87	19.70	21.50		
		HIGH	QPSK	19.83	19.95	19.63	21.50		
	3	LOW	QPSK	19.84	19.95	19.68	21.50		
		MID	QPSK	19.99	19.92	19.78	21.50		
		HIGH	QPSK	19.90	19.90	19.70	21.50		
	6	LOW	QPSK	19.83	19.90	19.80	21.50		
	1.4	1	LOW	Q16	20.00	20.34	20.08	21.50	
			MID	Q16	20.11	20.27	20.09	21.50	
HIGH			Q16	20.22	20.19	20.08	21.50		
3		LOW	Q16	20.08	19.77	20.19	21.50		
		MID	Q16	20.04	20.13	19.84	21.50		
		HIGH	Q16	20.05	20.08	20.16	21.50		
6		LOW	Q16	20.10	19.88	19.81	21.50		
1.4		1	LOW	64QAM	20.03	20.27	20.05	21.50	
			MID	64QAM	20.22	20.21	19.99	21.50	
	HIGH		64QAM	20.28	20.07	20.18	21.50		
	3	LOW	64QAM	20.23	19.66	20.17	21.50		
		MID	64QAM	20.02	20.26	19.95	21.50		
		HIGH	64QAM	20.18	20.08	20.07	21.50		
	6	LOW	64QAM	20.10	19.97	19.89	21.50		
	3	3	1	LOW	QPSK	19.99	19.77	19.70	21.50
				MID	QPSK	20.00	19.73	19.60	21.50
HIGH				QPSK	19.80	19.69	19.68	21.50	
8			LOW	QPSK	19.99	19.72	19.88	21.50	
			MID	QPSK	20.02	19.84	19.75	21.50	
			HIGH	QPSK	20.00	19.74	19.50	21.50	
15			LOW	QPSK	20.11	19.89	19.71	21.50	
3			1	LOW	Q16	20.00	20.31	20.16	21.50
				MID	Q16	20.21	20.33	20.07	21.50
		HIGH		Q16	20.06	20.26	19.99	21.50	
		8	LOW	Q16	20.08	19.77	19.85	21.50	
			MID	Q16	20.00	19.96	19.64	21.50	
			HIGH	Q16	19.87	19.85	19.58	21.50	
		15	LOW	Q16	20.08	19.73	19.69	21.50	
		3	1	LOW	64QAM	20.15	20.40	20.11	21.50
				MID	64QAM	20.24	20.28	19.92	21.50
HIGH				64QAM	20.08	20.25	19.96	21.50	
8			LOW	64QAM	19.93	19.78	19.75	21.50	
	MID		64QAM	19.88	19.75	19.79	21.50		
	HIGH		64QAM	20.16	19.64	19.99	21.50		
15	LOW		64QAM	20.06	19.82	19.78	21.50		
5	5		1	LOW	QPSK	19.80	19.76	19.78	21.50
				MID	QPSK	20.02	19.83	19.62	21.50
		HIGH		QPSK	19.82	19.70	19.75	21.50	
		12	LOW	QPSK	19.80	19.98	19.63	21.50	
			MID	QPSK	19.96	19.76	19.78	21.50	
			HIGH	QPSK	20.01	19.80	19.62	21.50	
		25	LOW	QPSK	20.07	19.85	19.88	21.50	
		5	1	LOW	Q16	20.22	20.07	20.01	21.50
				MID	Q16	20.01	20.16	19.92	21.50
	HIGH			Q16	20.28	20.34	20.00	21.50	
	12		LOW	Q16	19.88	19.70	19.83	21.50	
			MID	Q16	20.08	19.96	19.83	21.50	
			HIGH	Q16	20.03	19.80	19.84	21.50	
	25		LOW	Q16	19.84	19.94	19.83	21.50	
	5		1	LOW	64QAM	20.00	20.48	19.89	21.50
				MID	64QAM	20.19	20.29	19.93	21.50
		HIGH		64QAM	19.95	20.15	19.93	21.50	
		12	LOW	64QAM	20.09	19.71	19.55	21.50	
MID			64QAM	20.03	20.02	19.94	21.50		
HIGH			64QAM	19.89	19.58	19.71	21.50		
25		LOW	64QAM	19.96/19.97	19.84	19.82	21.50		



LTE B4-DSI5 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	20.03	19.72	19.61	21.50		
		MID	QPSK	19.94	19.89	19.60	21.50		
		HIGH	QPSK	19.85	19.84	19.58	21.50		
	25	LOW	QPSK	19.89	19.74	19.81	21.50		
		MID	QPSK	20.11	19.94	19.82	21.50		
		HIGH	QPSK	20.04	19.96	19.60	21.50		
	50	LOW	QPSK	20.04	19.86	19.80	21.50		
	10	1	LOW	Q16	20.26	20.07	20.10	21.50	
			MID	Q16	20.28	20.24	19.93	21.50	
HIGH			Q16	20.27	20.20	20.04	21.50		
25		LOW	Q16	20.00	19.90	19.75	21.50		
		MID	Q16	19.78	19.71	19.77	21.50		
		HIGH	Q16	19.98	19.83	19.69	21.50		
50		LOW	Q16	19.99	19.80	19.88	21.50		
10		1	LOW	64QAM	20.17	20.50	20.08	21.50	
			MID	64QAM	20.00	20.14	19.94	21.50	
	HIGH		64QAM	20.08	20.16	19.97	21.50		
	25	LOW	64QAM	20.06	19.69	19.76	21.50		
		MID	64QAM	19.90	19.85	19.93	21.50		
		HIGH	64QAM	20.04	19.74	19.83	21.50		
	50	LOW	64QAM	20.16	19.82	19.69	21.50		
	15	15	1	LOW	QPSK	20.06	19.91	19.69	21.50
				MID	QPSK	19.91	19.80	19.77	21.50
HIGH				QPSK	19.99	19.90	19.72	21.50	
36			LOW	QPSK	20.01	19.68	19.80	21.50	
			MID	QPSK	19.92	19.71	19.77	21.50	
			HIGH	QPSK	19.99	19.96	19.80	21.50	
75			LOW	QPSK	20.08	19.82	19.81	21.50	
15			1	LOW	Q16	20.03	20.14	20.24	21.50
				MID	Q16	20.24	20.29	20.13	21.50
		HIGH		Q16	20.24	20.19	20.14	21.50	
		36	LOW	Q16	19.96	19.76	19.79	21.50	
			MID	Q16	19.85	19.80	19.82	21.50	
			HIGH	Q16	19.87	19.90	19.59	21.50	
		75	LOW	Q16	19.82	19.66	19.68	21.50	
		15	1	LOW	64QAM	20.11	20.22	20.04	21.50
				MID	64QAM	20.24	20.30	19.84	21.50
HIGH				64QAM	20.11	20.10	20.01	21.50	
36			LOW	64QAM	20.12	19.62	19.54	21.50	
	MID		64QAM	19.87	19.89	20.06	21.50		
	HIGH		64QAM	20.14	19.76	19.91	21.50		
75	LOW		64QAM	20.16	19.83	19.91	21.50		
20	20		1	LOW	QPSK	19.92	19.82	19.69	21.50
				MID	QPSK	19.93	19.85	19.67	21.50
		HIGH		QPSK	19.90	19.82	19.67	21.50	
		50	LOW	QPSK	19.95	19.83	19.78	21.50	
			MID	QPSK	19.97	19.83	19.79	21.50	
			HIGH	QPSK	19.96	19.83	19.65	21.50	
		100	LOW	QPSK	19.96	19.82	19.77	21.50	
		20	1	LOW	Q16	20.14	20.20	20.12	21.50
				MID	Q16	20.14	20.21	19.98	21.50
	HIGH			Q16	20.19	20.19	20.05	21.50	
	50		LOW	Q16	19.99	19.82	19.79	21.50	
			MID	Q16	19.93	19.83	19.79	21.50	
			HIGH	Q16	19.99	19.84	19.70	21.50	
	100		LOW	Q16	19.95	19.81	19.77	21.50	
	20		1	LOW	64QAM	20.07	20.35	19.98	21.50
				MID	64QAM	20.13	20.20	19.90	21.50
		HIGH		64QAM	20.05	20.21	19.93	21.50	
		50	LOW	64QAM	20.05	19.77	19.68	21.50	
MID			64QAM	19.99	19.89	19.94	21.50		
HIGH			64QAM	20.01	19.73	19.84	21.50		
100		LOW	64QAM	20.09	19.84	19.83	21.50		

LTE B4-DS18&9&10 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)		
1.4	1	LOW	QPSK	19.42	19.24	19.21	21.00		
		MID	QPSK	19.54	19.22	19.09	21.00		
		HIGH	QPSK	19.42	19.21	19.12	21.00		
	3	LOW	QPSK	19.48	19.23	19.31	21.00		
		MID	QPSK	19.31	19.47	19.31	21.00		
		HIGH	QPSK	19.39	19.42	19.35	21.00		
	6	LOW	QPSK	19.35	19.43	19.33	21.00		
	1.4	1	LOW	Q16	19.67	19.74	19.70	21.00	
			MID	Q16	19.65	19.59	19.45	21.00	
HIGH			Q16	19.66	19.64	19.62	21.00		
3		LOW	Q16	19.61	19.36	19.51	21.00		
		MID	Q16	19.69	19.90	19.44	21.00		
		HIGH	Q16	19.88	19.58	19.40	21.00		
6		LOW	Q16	19.46	19.34	19.39	21.00		
1.4		1	LOW	64QAM	19.72	19.86	19.85	21.00	
			MID	64QAM	19.55	19.52	19.52	21.00	
	HIGH		64QAM	19.77	19.53	19.56	21.00		
	3	LOW	64QAM	19.75	19.41	19.53	21.00		
		MID	64QAM	19.62	20.02	19.52	21.00		
		HIGH	64QAM	19.79	19.51	19.30	21.00		
	6	LOW	64QAM	19.38	19.24	19.31	21.00		
	3	3	1	LOW	QPSK	19.31	19.46	19.34	21.00
				MID	QPSK	19.44	19.25	19.26	21.00
HIGH				QPSK	19.39	19.28	19.35	21.00	
8			LOW	QPSK	19.43	19.29	19.34	21.00	
			MID	QPSK	19.68	19.47	19.40	21.00	
			HIGH	QPSK	19.60	19.28	19.30	21.00	
15			LOW	QPSK	19.38	19.19	19.29	21.00	
3			1	LOW	Q16	19.57	19.75	19.56	21.00
				MID	Q16	19.86	19.73	19.51	21.00
		HIGH		Q16	19.68	19.82	19.51	21.00	
		8	LOW	Q16	19.67	19.39	19.26	21.00	
			MID	Q16	19.48	19.50	19.43	21.00	
			HIGH	Q16	19.36	19.25	19.29	21.00	
		15	LOW	Q16	19.61	19.27	19.24	21.00	
		3	1	LOW	64QAM	19.38	19.53	19.69	21.00
				MID	64QAM	19.62	19.75	19.33	21.00
HIGH				64QAM	19.83	19.78	19.55	21.00	
8			LOW	64QAM	19.71	19.33	19.14	21.00	
	MID		64QAM	19.79	19.40	19.32	21.00		
	HIGH		64QAM	19.55	19.18	19.39	21.00		
15	LOW		64QAM	19.49	19.39	19.48	21.00		
5	5		1	LOW	QPSK	19.53	19.20	19.21	21.00
				MID	QPSK	19.27	19.21	19.34	21.00
		HIGH		QPSK	19.38	19.33	19.25	21.00	
		12	LOW	QPSK	19.61	19.29	19.44	21.00	
			MID	QPSK	19.43	19.23	19.41	21.00	
			HIGH	QPSK	19.49	19.40	19.31	21.00	
		25	LOW	QPSK	19.52	19.40	19.39	21.00	
		5	1	LOW	Q16	19.54	19.72	19.62	21.00
				MID	Q16	19.64	19.77	19.39	21.00
	HIGH			Q16	19.88	19.80	19.38	21.00	
	12		LOW	Q16	19.45	19.50	19.43	21.00	
			MID	Q16	19.41	19.36	19.25	21.00	
			HIGH	Q16	19.61	19.24	19.18	21.00	
	25		LOW	Q16	19.50	19.36	19.31	21.00	
	5		1	LOW	64QAM	19.62	19.77	19.80	21.00
				MID	64QAM	19.56	19.88	19.42	21.00
		HIGH		64QAM	19.93	19.62	19.63	21.00	
		12	LOW	64QAM	19.75	19.28	19.17	21.00	
MID			64QAM	19.73	19.43	19.42	21.00		
HIGH			64QAM	19.46	19.29	19.26	21.00		
25		LOW	64QAM	19.25	19.41	19.38	21.00		

LTE B4-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	19.54	19.24	19.33	21.00	
		MID	QPSK	19.50	19.37	19.12	21.00	
		HIGH	QPSK	19.38	19.48	19.13	21.00	
	25	LOW	QPSK	19.64	19.24	19.28	21.00	
		MID	QPSK	19.41	19.43	19.27	21.00	
		HIGH	QPSK	19.65	19.42	19.20	21.00	
	50	LOW	QPSK	19.58	19.41	19.46	21.00	
	10	1	LOW	Q16	19.70	19.65	19.71	21.00
			MID	Q16	19.86	19.70	19.52	21.00
HIGH			Q16	19.87	19.67	19.68	21.00	
25		LOW	Q16	19.49	19.47	19.42	21.00	
		MID	Q16	19.41	19.24	19.39	21.00	
		HIGH	Q16	19.36	19.30	19.38	21.00	
50		LOW	Q16	19.56	19.41	19.36	21.00	
10		1	LOW	64QAM	19.60	19.57	19.73	21.00
			MID	64QAM	19.81	19.96	19.35	21.00
	HIGH		64QAM	19.92	19.69	19.53	21.00	
	25	LOW	64QAM	19.62	19.42	19.27	21.00	
		MID	64QAM	19.55	19.55	19.34	21.00	
		HIGH	64QAM	19.41	19.43	19.29	21.00	
	50	LOW	64QAM	19.26	19.52	19.35	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	19.31	19.42	19.31	21.00
MID			QPSK	19.38	19.27	19.19	21.00	
HIGH			QPSK	19.30	19.24	19.14	21.00	
36		LOW	QPSK	19.46	19.25	19.47	21.00	
		MID	QPSK	19.42	19.46	19.24	21.00	
		HIGH	QPSK	19.60	19.49	19.07	21.00	
75		LOW	QPSK	19.62	19.25	19.45	21.00	
15		1	LOW	Q16	19.75	19.68	19.64	21.00
			MID	Q16	19.65	19.73	19.56	21.00
	HIGH		Q16	19.77	19.59	19.59	21.00	
	36	LOW	Q16	19.58	19.41	19.16	21.00	
		MID	Q16	19.56	19.34	19.50	21.00	
		HIGH	Q16	19.53	19.46	19.13	21.00	
	75	LOW	Q16	19.36	19.28	19.26	21.00	
	15	1	LOW	64QAM	19.66	19.69	19.70	21.00
			MID	64QAM	19.59	19.80	19.26	21.00
HIGH			64QAM	19.96	19.79	19.58	21.00	
36		LOW	64QAM	19.52	19.16	19.26	21.00	
		MID	64QAM	19.69	19.60	19.42	21.00	
		HIGH	64QAM	19.56	19.26	19.18	21.00	
75		LOW	64QAM	19.41	19.60	19.26	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	19.24	19.34	19.43	21.00
	MID		QPSK	19.23	19.36	19.42	21.00	
	HIGH		QPSK	19.23	19.33	19.45	21.00	
	50	LOW	QPSK	19.33	19.35	19.50	21.00	
		MID	QPSK	19.36	19.33	19.54	21.00	
		HIGH	QPSK	19.18	19.34	19.54	21.00	
	100	LOW	QPSK	19.48	19.33	19.31	21.00	
	20	1	LOW	Q16	19.63	19.77	19.65	21.00
			MID	Q16	19.73	19.71	19.53	21.00
HIGH			Q16	19.78	19.72	19.53	21.00	
50		LOW	Q16	19.52	19.37	19.31	21.00	
		MID	Q16	19.53	19.36	19.38	21.00	
		HIGH	Q16	19.47	19.37	19.25	21.00	
100		LOW	Q16	19.49	19.34	19.31	21.00	
20		1	LOW	64QAM	19.53	19.68	19.72	21.00
			MID	64QAM	19.69	19.81	19.38	21.00
	HIGH		64QAM	19.82	19.70	19.58	21.00	
	50	LOW	64QAM	19.60	19.30	19.22	21.00	
		MID	64QAM	19.68	19.45	19.36	21.00	
		HIGH	64QAM	19.49	19.29	19.26	21.00	
	100	LOW	64QAM	19.40	19.48	19.33	21.00	

## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.18	23.25	23.29	24.50
		MID	QPSK	23.47	23.44	23.41	24.50
		HIGH	QPSK	23.22	23.18	23.12	24.50
	3	LOW	QPSK	23.17	23.32	23.07	24.50
		MID	QPSK	23.48	23.33	23.47	24.50
		HIGH	QPSK	23.13	23.17	23.21	24.50
6	LOW	QPSK	22.16	22.11	22.10	23.50	
1.4	1	LOW	Q16	22.49	22.26	22.36	23.50
		MID	Q16	22.35	22.29	22.29	23.50
		HIGH	Q16	22.24	22.31	22.26	23.50
	3	LOW	Q16	22.34	22.30	22.59	23.50
		MID	Q16	22.38	22.43	22.09	23.50
		HIGH	Q16	22.30	22.23	22.42	23.50
6	LOW	Q16	21.32	21.15	21.37	22.50	
1.4	1	LOW	64QAM	21.10	21.28	21.10	22.50
		MID	64QAM	21.11	21.22	21.11	22.50
		HIGH	64QAM	21.47	20.92	20.89	22.50
	3	LOW	64QAM	20.95	21.07	21.22	22.50
		MID	64QAM	21.13	21.15	21.02	22.50
		HIGH	64QAM	21.38	20.92	20.87	22.50
6	LOW	64QAM	20.37	20.30	20.17	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.22	23.36	23.24	24.50
		MID	QPSK	23.53	23.32	23.45	24.50
		HIGH	QPSK	23.16	23.10	23.12	24.50
	8	LOW	QPSK	21.98	22.04	22.41	23.50
		MID	QPSK	22.08	22.00	22.16	23.50
		HIGH	QPSK	22.16	21.88	22.41	23.50
15	LOW	QPSK	21.94	22.01	22.09	23.50	
3	1	LOW	Q16	22.59	22.16	22.46	23.50
		MID	Q16	22.34	22.43	22.08	23.50
		HIGH	Q16	22.15	22.34	22.45	23.50
	8	LOW	Q16	20.88	21.06	21.14	22.50
		MID	Q16	21.04	21.29	21.16	22.50
		HIGH	Q16	21.26	21.17	21.20	22.50
15	LOW	Q16	21.10	21.14	21.22	22.50	
3	1	LOW	64QAM	21.09	21.32	21.25	22.50
		MID	64QAM	21.14	21.15	21.02	22.50
		HIGH	64QAM	21.25	21.16	21.11	22.50
	8	LOW	64QAM	20.15	20.03	20.12	21.50
		MID	64QAM	20.29	20.19	19.96	21.50
		HIGH	64QAM	19.92	19.96	19.89	21.50
15	LOW	64QAM	20.20	20.31	19.97	21.50	

LTE B4-Full Power -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.08	23.15	23.07	24.50
		MID	QPSK	23.54	23.50	23.39	24.50
		HIGH	QPSK	23.00	23.34	23.05	24.50
	12	LOW	QPSK	22.13	22.23	22.24	23.50
		MID	QPSK	22.34	22.12	22.38	23.50
		HIGH	QPSK	22.09	21.88	22.28	23.50
25	LOW	QPSK	21.93	22.03	22.23	23.50	
5	1	LOW	Q16	22.48	22.45	22.42	23.50
		MID	Q16	22.38	22.52	22.24	23.50
		HIGH	Q16	22.22	22.44	22.26	23.50
	12	LOW	Q16	20.97	21.20	21.17	22.50
		MID	Q16	20.90	21.20	21.13	22.50
		HIGH	Q16	21.30	21.10	21.21	22.50
25	LOW	Q16	21.32	21.10	21.36	22.50	
5	1	LOW	64QAM	21.04	21.21	21.04	22.50
		MID	64QAM	20.96	21.21	21.05	22.50
		HIGH	64QAM	21.40	20.98	20.97	22.50
	12	LOW	64QAM	20.08	20.16	20.08	21.50
		MID	64QAM	20.15	20.21	19.96	21.50
		HIGH	64QAM	20.11	19.88	19.91	21.50
25	LOW	64QAM	20.38	20.18	20.21	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.24	23.36	23.33	24.50
		MID	QPSK	23.40	23.37	23.43	24.50
		HIGH	QPSK	23.29	23.23	23.17	24.50
	25	LOW	QPSK	21.99	22.19	22.29	23.50
		MID	QPSK	22.08	22.19	22.25	23.50
		HIGH	QPSK	22.15	21.96	22.34	23.50
50	LOW	QPSK	22.08	22.09	22.23	23.50	
10	1	LOW	Q16	22.41	22.15	22.59	23.50
		MID	Q16	22.48	22.24	22.10	23.50
		HIGH	Q16	22.33	22.37	22.22	23.50
	25	LOW	Q16	20.99	21.08	21.13	22.50
		MID	Q16	20.96	21.21	20.98	22.50
		HIGH	Q16	21.08	21.36	21.00	22.50
50	LOW	Q16	21.08	20.94	21.35	22.50	
10	1	LOW	64QAM	21.19	21.25	21.05	22.50
		MID	64QAM	21.03	21.20	21.10	22.50
		HIGH	64QAM	21.43	21.05	20.93	22.50
	25	LOW	64QAM	20.30	20.18	20.11	21.50
		MID	64QAM	20.31	20.20	19.86	21.50
		HIGH	64QAM	20.05	19.94	20.01	21.50
50	LOW	64QAM	20.29	20.11	20.18	21.50	

LTE B4-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	23.20	23.25	23.27	24.50	
		MID	QPSK	23.55	23.32	23.55	24.50	
		HIGH	QPSK	23.30	23.25	23.20	24.50	
	36	LOW	QPSK	22.20	22.04	22.40	23.50	
		MID	QPSK	22.18	22.23	22.24	23.50	
		HIGH	QPSK	22.18	22.03	22.46	23.50	
15	1	LOW	Q16	22.48	22.23	22.31	23.50	
		MID	Q16	22.23	22.41	22.08	23.50	
		HIGH	Q16	22.17	22.21	22.32	23.50	
	36	LOW	Q16	21.13	21.05	21.24	22.50	
		MID	Q16	21.10	21.35	20.98	22.50	
		HIGH	Q16	21.38	21.15	21.02	22.50	
	75	LOW	Q16	21.07	21.10	21.33	22.50	
	15	1	LOW	64QAM	21.00	21.14	21.26	22.50
			MID	64QAM	21.06	21.10	21.02	22.50
HIGH			64QAM	21.34	21.15	20.91	22.50	
36		LOW	64QAM	20.27	20.05	19.91	21.50	
		MID	64QAM	20.18	20.36	19.81	21.50	
		HIGH	64QAM	20.13	20.02	20.01	21.50	
75		LOW	64QAM	20.28	20.31	20.06	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	23.16	23.27	23.21	24.50
	MID		QPSK	23.49	23.40	23.49	24.50	
	HIGH		QPSK	23.15	23.19	23.10	24.50	
	50	LOW	QPSK	22.06	22.16	22.28	23.50	
		MID	QPSK	22.21	22.09	22.31	23.50	
		HIGH	QPSK	22.11	21.98	22.36	23.50	
100	LOW	QPSK	22.04	22.11	22.20	23.50		
20	1	LOW	Q16	22.47	22.30	22.45	23.50	
		MID	Q16	22.38	22.37	22.20	23.50	
		HIGH	Q16	22.21	22.32	22.37	23.50	
	50	LOW	Q16	21.01	21.20	21.13	22.50	
		MID	Q16	21.02	21.27	21.11	22.50	
		HIGH	Q16	21.23	21.23	21.11	22.50	
	100	LOW	Q16	21.20	21.02	21.28	22.50	
	20	1	LOW	64QAM	21.09	21.17	21.16	22.50
			MID	64QAM	21.11	21.22	20.97	22.50
HIGH			64QAM	21.33	21.01	20.99	22.50	
50		LOW	64QAM	20.20	20.10	20.01	21.50	
		MID	64QAM	20.16	20.28	19.91	21.50	
		HIGH	64QAM	20.03	19.94	20.01	21.50	
100		LOW	64QAM	20.27	20.26	20.10	21.50	

LTE B4-DSI2&3 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	14.78	14.66	14.87	15.00
		MID	QPSK	14.62	14.59	14.77	15.00
		HIGH	QPSK	14.84	14.51	14.47	15.00
	3	LOW	QPSK	14.82	14.78	14.64	15.00
		MID	QPSK	14.53	14.65	14.83	15.00
	HIGH	QPSK	14.81	14.65	14.35	15.00	
6	LOW	QPSK	14.87	14.63	14.40	15.00	
1.4	1	LOW	Q16	14.84	14.61	14.90	15.00
		MID	Q16	14.65	14.73	14.57	15.00
		HIGH	Q16	14.76	14.61	14.71	15.00
	3	LOW	Q16	14.91	14.60	14.88	15.00
		MID	Q16	14.68	14.97	14.82	15.00
	HIGH	Q16	14.72	14.52	14.82	15.00	
6	LOW	Q16	14.51	14.35	14.58	15.00	
1.4	1	LOW	64QAM	14.81	14.45	14.48	15.00
		MID	64QAM	14.84	14.55	14.68	15.00
		HIGH	64QAM	14.45	14.60	14.60	15.00
	3	LOW	64QAM	14.64	14.61	14.42	15.00
		MID	64QAM	14.69	14.70	14.67	15.00
	HIGH	64QAM	14.61	14.37	14.65	15.00	
6	LOW	64QAM	14.76	14.31	14.72	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	14.73	14.61	14.53	15.00
		MID	QPSK	14.53	14.80	14.68	15.00
		HIGH	QPSK	14.65	14.65	14.49	15.00
	8	LOW	QPSK	14.48	14.57	14.88	15.00
		MID	QPSK	14.48	14.78	14.51	15.00
	HIGH	QPSK	14.79	14.62	14.55	15.00	
15	LOW	QPSK	14.88	14.52	14.61	15.00	
3	1	LOW	Q16	14.85	14.56	14.69	15.00
		MID	Q16	14.53	14.78	14.78	15.00
		HIGH	Q16	14.78	14.33	14.85	15.00
	8	LOW	Q16	14.64	14.68	14.66	15.00
		MID	Q16	14.41	14.62	14.47	15.00
	HIGH	Q16	14.34	14.72	14.91	15.00	
15	LOW	Q16	14.54	14.30	14.74	15.00	
3	1	LOW	64QAM	14.80	14.71	14.55	15.00
		MID	64QAM	14.76	14.74	14.46	15.00
		HIGH	64QAM	14.58	14.67	14.38	15.00
	8	LOW	64QAM	14.73	14.66	14.79	15.00
		MID	64QAM	14.35	14.79	14.35	15.00
	HIGH	64QAM	14.56	14.27	14.58	15.00	
15	LOW	64QAM	14.52	14.30	14.37	15.00	

LTE B4-DSI2&3 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	14.96	14.88	14.79	15.00
		MID	QPSK	14.52	14.74	14.69	15.00
		HIGH	QPSK	14.83	14.47	14.62	15.00
	12	LOW	QPSK	14.74	14.38	14.71	15.00
		MID	QPSK	14.46	14.63	14.66	15.00
		HIGH	QPSK	14.69	14.66	14.34	15.00
25	LOW	QPSK	14.67	14.68	14.64	15.00	
5	1	LOW	Q16	14.92	14.68	14.72	15.00
		MID	Q16	14.72	14.81	14.54	15.00
		HIGH	Q16	14.85	14.41	14.80	15.00
	12	LOW	Q16	14.55	14.45	14.59	15.00
		MID	Q16	14.48	14.48	14.47	15.00
		HIGH	Q16	14.29	14.53	14.64	15.00
25	LOW	Q16	14.33	14.31	14.60	15.00	
5	1	LOW	64QAM	14.58	14.63	14.53	15.00
		MID	64QAM	14.57	14.87	14.62	15.00
		HIGH	64QAM	14.70	14.38	14.36	15.00
	12	LOW	64QAM	14.75	14.68	14.72	15.00
		MID	64QAM	14.58	14.66	14.29	15.00
		HIGH	64QAM	14.67	14.38	14.73	15.00
25	LOW	64QAM	14.73	14.29	14.52	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	14.80	14.63	14.87	15.00
		MID	QPSK	14.43	14.54	14.64	15.00
		HIGH	QPSK	14.62	14.65	14.68	15.00
	25	LOW	QPSK	14.62	14.59	14.84	15.00
		MID	QPSK	14.36	14.58	14.57	15.00
		HIGH	QPSK	14.72	14.76	14.50	15.00
50	LOW	QPSK	14.79	14.73	14.49	15.00	
10	1	LOW	Q16	14.87	14.57	14.81	15.00
		MID	Q16	14.69	14.81	14.68	15.00
		HIGH	Q16	14.75	14.56	14.53	15.00
	25	LOW	Q16	14.57	14.63	14.79	15.00
		MID	Q16	14.33	14.55	14.50	15.00
		HIGH	Q16	14.19	14.74	14.64	15.00
50	LOW	Q16	14.48	14.39	14.78	15.00	
10	1	LOW	64QAM	14.74	14.50	14.48	15.00
		MID	64QAM	14.51	14.69	14.61	15.00
		HIGH	64QAM	14.71	14.50	14.59	15.00
	25	LOW	64QAM	14.71	14.37	14.64	15.00
		MID	64QAM	14.37	14.61	14.64	15.00
		HIGH	64QAM	14.59	14.34	14.64	15.00
50	LOW	64QAM	14.54	14.43	14.57	15.00	



LTE B4-DSI2&3 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	14.92	14.63	14.86	15.00
		MID	QPSK	14.78	14.58	14.85	15.00
		HIGH	QPSK	14.78	14.52	14.59	15.00
	36	LOW	QPSK	14.80	14.64	14.59	15.00
		MID	QPSK	14.45	14.56	14.56	15.00
		HIGH	QPSK	14.72	14.77	14.49	15.00
75	LOW	QPSK	14.92	14.58	14.43	15.00	
15	1	LOW	Q16	14.77	14.69	14.77	15.00
		MID	Q16	14.62	14.83	14.84	15.00
		HIGH	Q16	14.87	14.60	14.71	15.00
	36	LOW	Q16	14.63	14.68	14.60	15.00
		MID	Q16	14.39	14.39	14.44	15.00
		HIGH	Q16	14.32	14.55	14.85	15.00
75	LOW	Q16	14.45	14.29	14.60	15.00	
15	1	LOW	64QAM	14.83	14.46	14.47	15.00
		MID	64QAM	14.59	14.66	14.67	15.00
		HIGH	64QAM	14.51	14.42	14.54	15.00
	36	LOW	64QAM	14.52	14.52	14.57	15.00
		MID	64QAM	14.38	14.73	14.41	15.00
		HIGH	64QAM	14.80	14.45	14.58	15.00
75	LOW	64QAM	14.59	14.39	14.43	15.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	14.75	14.75	14.77	15.00
		MID	QPSK	14.65	14.67	14.78	15.00
		HIGH	QPSK	14.77	14.61	14.47	15.00
	50	LOW	QPSK	14.54	14.70	14.75	15.00
		MID	QPSK	14.53	14.57	14.47	15.00
		HIGH	QPSK	14.78	14.73	14.36	15.00
100	LOW	QPSK	14.78	14.65	14.44	15.00	
20	1	LOW	Q16	15.00	14.78	14.88	15.00
		MID	Q16	14.59	14.56	14.71	15.00
		HIGH	Q16	14.86	14.52	14.66	15.00
	50	LOW	Q16	14.60	14.51	14.73	15.00
		MID	Q16	14.45	14.38	14.45	15.00
		HIGH	Q16	14.42	14.59	14.75	15.00
100	LOW	Q16	14.37	14.44	14.73	15.00	
20	1	LOW	64QAM	14.71	14.55	14.58	15.00
		MID	64QAM	14.68	14.64	14.75	15.00
		HIGH	64QAM	14.52	14.45	14.53	15.00
	50	LOW	64QAM	14.66	14.57	14.71	15.00
		MID	64QAM	14.36	14.69	14.48	15.00
		HIGH	64QAM	14.74	14.39	14.72	15.00
100	LOW	64QAM	14.72	14.31	14.65	15.00	

LTE B4-DS14 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.18	23.25	23.29	24.50
		MID	QPSK	23.47	23.44	23.41	24.50
		HIGH	QPSK	23.22	23.18	23.12	24.50
	3	LOW	QPSK	23.17	23.32	23.07	24.50
		MID	QPSK	23.48	23.33	23.47	24.50
	HIGH	QPSK	23.13	23.17	23.21	24.50	
6	LOW	QPSK	22.16	22.11	22.10	23.50	
1.4	1	LOW	Q16	22.49	22.26	22.36	23.50
		MID	Q16	22.35	22.29	22.29	23.50
		HIGH	Q16	22.24	22.31	22.26	23.50
	3	LOW	Q16	22.34	22.30	22.59	23.50
		MID	Q16	22.38	22.43	22.09	23.50
	HIGH	Q16	22.30	22.23	22.42	23.50	
6	LOW	Q16	21.32	21.15	21.37	22.50	
1.4	1	LOW	64QAM	21.10	21.28	21.10	22.50
		MID	64QAM	21.11	21.22	21.11	22.50
		HIGH	64QAM	21.47	20.92	20.89	22.50
	3	LOW	64QAM	20.95	21.07	21.22	22.50
		MID	64QAM	21.13	21.15	21.02	22.50
	HIGH	64QAM	21.38	20.92	20.87	22.50	
6	LOW	64QAM	20.37	20.30	20.17	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	23.22	23.36	23.24	24.50
		MID	QPSK	23.53	23.32	23.45	24.50
		HIGH	QPSK	23.16	23.10	23.12	24.50
	8	LOW	QPSK	21.98	22.04	22.41	23.50
		MID	QPSK	22.08	22.00	22.16	23.50
	HIGH	QPSK	22.16	21.88	22.41	23.50	
15	LOW	QPSK	21.94	22.01	22.09	23.50	
3	1	LOW	Q16	22.59	22.16	22.46	23.50
		MID	Q16	22.34	22.43	22.08	23.50
		HIGH	Q16	22.15	22.34	22.45	23.50
	8	LOW	Q16	20.88	21.06	21.14	22.50
		MID	Q16	21.04	21.29	21.16	22.50
	HIGH	Q16	21.26	21.17	21.20	22.50	
15	LOW	Q16	21.10	21.14	21.22	22.50	
3	1	LOW	64QAM	21.09	21.32	21.25	22.50
		MID	64QAM	21.14	21.15	21.02	22.50
		HIGH	64QAM	21.25	21.16	21.11	22.50
	8	LOW	64QAM	20.15	20.03	20.12	21.50
		MID	64QAM	20.29	20.19	19.96	21.50
	HIGH	64QAM	19.92	19.96	19.89	21.50	
15	LOW	64QAM	20.20	20.31	19.97	21.50	

LTE B4-DS14 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	23.08	23.15	23.07	24.50
		MID	QPSK	23.54	23.50	23.39	24.50
		HIGH	QPSK	23.00	23.34	23.05	24.50
	12	LOW	QPSK	22.13	22.23	22.24	23.50
		MID	QPSK	22.34	22.12	22.38	23.50
		HIGH	QPSK	22.09	21.88	22.28	23.50
25	LOW	QPSK	21.93	22.03	22.23	23.50	
5	1	LOW	Q16	22.48	22.45	22.42	23.50
		MID	Q16	22.38	22.52	22.24	23.50
		HIGH	Q16	22.22	22.44	22.26	23.50
	12	LOW	Q16	20.97	21.20	21.17	22.50
		MID	Q16	20.90	21.20	21.13	22.50
		HIGH	Q16	21.30	21.10	21.21	22.50
25	LOW	Q16	21.32	21.10	21.36	22.50	
5	1	LOW	64QAM	21.04	21.21	21.04	22.50
		MID	64QAM	20.96	21.21	21.05	22.50
		HIGH	64QAM	21.40	20.98	20.97	22.50
	12	LOW	64QAM	20.08	20.16	20.08	21.50
		MID	64QAM	20.15	20.21	19.96	21.50
		HIGH	64QAM	20.11	19.88	19.91	21.50
25	LOW	64QAM	20.38	20.18	20.21	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	23.24	23.36	23.33	24.50
		MID	QPSK	23.40	23.37	23.43	24.50
		HIGH	QPSK	23.29	23.23	23.17	24.50
	25	LOW	QPSK	21.99	22.19	22.29	23.50
		MID	QPSK	22.08	22.19	22.25	23.50
		HIGH	QPSK	22.15	21.96	22.34	23.50
50	LOW	QPSK	22.08	22.09	22.23	23.50	
10	1	LOW	Q16	22.41	22.15	22.59	23.50
		MID	Q16	22.48	22.24	22.10	23.50
		HIGH	Q16	22.33	22.37	22.22	23.50
	25	LOW	Q16	20.99	21.08	21.13	22.50
		MID	Q16	20.96	21.21	20.98	22.50
		HIGH	Q16	21.08	21.36	21.00	22.50
50	LOW	Q16	21.08	20.94	21.35	22.50	
10	1	LOW	64QAM	21.19	21.25	21.05	22.50
		MID	64QAM	21.03	21.20	21.10	22.50
		HIGH	64QAM	21.43	21.05	20.93	22.50
	25	LOW	64QAM	20.30	20.18	20.11	21.50
		MID	64QAM	20.31	20.20	19.86	21.50
		HIGH	64QAM	20.05	19.94	20.01	21.50
50	LOW	64QAM	20.29	20.11	20.18	21.50	

LTE B4-DS14 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	23.20	23.25	23.27	24.50	
		MID	QPSK	23.55	23.32	23.55	24.50	
		HIGH	QPSK	23.30	23.25	23.20	24.50	
	36	LOW	QPSK	22.20	22.04	22.40	23.50	
		MID	QPSK	22.18	22.23	22.24	23.50	
		HIGH	QPSK	22.18	22.03	22.46	23.50	
15	1	LOW	Q16	22.48	22.23	22.31	23.50	
		MID	Q16	22.23	22.41	22.08	23.50	
		HIGH	Q16	22.17	22.21	22.32	23.50	
	36	LOW	Q16	21.13	21.05	21.24	22.50	
		MID	Q16	21.10	21.35	20.98	22.50	
		HIGH	Q16	21.38	21.15	21.02	22.50	
	75	LOW	Q16	21.07	21.10	21.33	22.50	
	15	1	LOW	64QAM	21.00	21.14	21.26	22.50
			MID	64QAM	21.06	21.10	21.02	22.50
HIGH			64QAM	21.34	21.15	20.91	22.50	
36		LOW	64QAM	20.27	20.05	19.91	21.50	
		MID	64QAM	20.18	20.36	19.81	21.50	
		HIGH	64QAM	20.13	20.02	20.01	21.50	
75		LOW	64QAM	20.28	20.31	20.06	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	23.16	23.27	23.21	24.50
	MID		QPSK	23.49	23.40	23.49	24.50	
	HIGH		QPSK	23.15	23.19	23.10	24.50	
	50	LOW	QPSK	22.06	22.16	22.28	23.50	
		MID	QPSK	22.21	22.09	22.31	23.50	
		HIGH	QPSK	22.11	21.98	22.36	23.50	
100	LOW	QPSK	22.04	22.11	22.20	23.50		
20	1	LOW	Q16	22.47	22.30	22.45	23.50	
		MID	Q16	22.38	22.37	22.20	23.50	
		HIGH	Q16	22.21	22.32	22.37	23.50	
	50	LOW	Q16	21.01	21.20	21.13	22.50	
		MID	Q16	21.02	21.27	21.11	22.50	
		HIGH	Q16	21.23	21.23	21.11	22.50	
	100	LOW	Q16	21.20	21.02	21.28	22.50	
	20	1	LOW	64QAM	21.09	21.17	21.16	22.50
			MID	64QAM	21.11	21.22	20.97	22.50
HIGH			64QAM	21.33	21.01	20.99	22.50	
50		LOW	64QAM	20.20	20.10	20.01	21.50	
		MID	64QAM	20.16	20.28	19.91	21.50	
		HIGH	64QAM	20.03	19.94	20.01	21.50	
100		LOW	64QAM	20.27	20.26	20.10	21.50	

LTE B4-DS15 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.87	18.70	18.91	19.00
		MID	QPSK	18.89	18.89	18.78	19.00
		HIGH	QPSK	18.75	18.70	18.94	19.00
	3	LOW	QPSK	18.89	18.77	18.83	19.00
		HIGH	QPSK	18.98	18.76	18.89	19.00
	6	LOW	QPSK	18.54	18.89	18.96	19.00
1.4	1	LOW	Q16	18.81	18.79	18.65	19.00
		MID	Q16	18.65	18.92	18.84	19.00
		HIGH	Q16	18.74	18.69	18.75	19.00
	3	LOW	Q16	18.95	18.91	18.70	19.00
		MID	Q16	18.71	18.89	18.93	19.00
	6	HIGH	Q16	18.58	18.66	18.64	19.00
1.4	1	LOW	64QAM	18.26	18.51	18.67	19.00
		MID	64QAM	18.83	18.59	18.78	19.00
		HIGH	64QAM	18.60	18.86	18.65	19.00
	3	LOW	64QAM	18.74	18.74	18.86	19.00
		MID	64QAM	18.86	18.83	18.66	19.00
	6	HIGH	64QAM	18.61	18.68	18.53	19.00
6	LOW	64QAM	18.87	18.84	18.82	19.00	
3	1	LOW	QPSK	18.36	18.49	18.84	19.00
		MID	QPSK	18.83	18.59	18.78	19.00
		HIGH	QPSK	18.60	18.86	18.65	19.00
	3	LOW	QPSK	18.74	18.74	18.86	19.00
		MID	QPSK	18.86	18.83	18.66	19.00
	6	HIGH	QPSK	18.61	18.68	18.53	19.00
6	LOW	QPSK	18.87	18.84	18.82	19.00	
3	1	LOW	QPSK	18.36	18.49	18.84	19.00
		MID	QPSK	18.83	18.59	18.78	19.00
		HIGH	QPSK	18.60	18.86	18.65	19.00
	8	LOW	QPSK	18.74	18.74	18.86	19.00
		MID	QPSK	18.86	18.83	18.66	19.00
	15	HIGH	QPSK	18.61	18.68	18.53	19.00
3	1	LOW	Q16	18.82	18.86	18.80	19.00
		MID	Q16	18.66	18.92	18.79	19.00
		HIGH	Q16	18.67	18.64	18.67	19.00
	8	LOW	Q16	18.78	18.73	18.63	19.00
		MID	Q16	18.59	18.66	18.33	19.00
	15	HIGH	Q16	18.33	18.47	18.37	19.00
3	1	LOW	Q16	18.52	18.66	18.59	19.00
		MID	Q16	18.88	18.72	18.75	19.00
		HIGH	Q16	18.69	18.95	18.67	19.00
	8	LOW	64QAM	18.93	18.93	18.70	19.00
		MID	64QAM	18.38	18.49	18.71	19.00
	15	HIGH	64QAM	18.65	18.41	18.68	19.00
15	LOW	64QAM	18.92	18.35	18.72	19.00	
15	LOW	64QAM	18.55	18.54	18.64	19.00	

LTE B4-DS15 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.95	18.77	18.81	19.00
		MID	QPSK	18.84	18.84	18.73	19.00
		HIGH	QPSK	18.69	18.86	18.92	19.00
	12	LOW	QPSK	18.74	18.52	18.49	19.00
		MID	QPSK	18.74	18.33	18.62	19.00
		HIGH	QPSK	18.54	18.47	18.63	19.00
25	LOW	QPSK	18.66	18.60	18.47	19.00	
5	1	LOW	Q16	18.87	18.97	18.86	19.00
		MID	Q16	18.90	18.92	18.94	19.00
		HIGH	Q16	18.77	18.74	18.63	19.00
	12	LOW	Q16	18.79	18.68	18.43	19.00
		MID	Q16	18.63	18.75	18.53	19.00
		HIGH	Q16	18.39	18.54	18.50	19.00
25	LOW	Q16	18.46	18.69	18.54	19.00	
5	1	LOW	64QAM	18.81	18.84	18.83	19.00
		MID	64QAM	18.67	18.72	18.62	19.00
		HIGH	64QAM	18.89	18.90	18.57	19.00
	12	LOW	64QAM	18.49	18.59	18.65	19.00
		MID	64QAM	18.86	18.33	18.43	19.00
		HIGH	64QAM	18.94	18.47	18.76	19.00
25	LOW	64QAM	18.51	18.61	18.72	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	18.92	18.77	18.77	19.00
		MID	QPSK	18.93	18.96	18.82	19.00
		HIGH	QPSK	18.69	18.83	18.74	19.00
	25	LOW	QPSK	18.69	18.70	18.54	19.00
		MID	QPSK	18.71	18.47	18.63	19.00
		HIGH	QPSK	18.58	18.39	18.54	19.00
50	LOW	QPSK	18.66	18.59	18.53	19.00	
10	1	LOW	Q16	18.85	18.86	18.78	19.00
		MID	Q16	18.82	18.96	18.84	19.00
		HIGH	Q16	18.79	18.67	18.69	19.00
	25	LOW	Q16	18.64	18.73	18.66	19.00
		MID	Q16	18.52	18.80	18.52	19.00
		HIGH	Q16	18.54	18.58	18.39	19.00
50	LOW	Q16	18.27	18.61	18.58	19.00	
10	1	LOW	64QAM	18.63	18.60	18.61	19.00
		MID	64QAM	18.56	18.73	18.66	19.00
		HIGH	64QAM	18.75	18.88	18.79	19.00
	25	LOW	64QAM	18.55	18.72	18.62	19.00
		MID	64QAM	18.76	18.42	18.64	19.00
		HIGH	64QAM	18.92	18.53	18.81	19.00
50	LOW	64QAM	18.60	18.35	18.71	19.00	

LTE B4-DS15 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	18.98	18.89	18.80	19.00
		MID	QPSK	18.96	18.81	18.91	19.00
		HIGH	QPSK	18.59	18.73	18.70	19.00
	36	LOW	QPSK	18.68	18.67	18.53	19.00
		MID	QPSK	18.64	18.55	18.49	19.00
		HIGH	QPSK	18.61	18.34	18.50	19.00
75	LOW	QPSK	18.55	18.74	18.66	19.00	
15	1	LOW	Q16	18.92	18.70	18.86	19.00
		MID	Q16	18.88	18.78	18.94	19.00
		HIGH	Q16	18.62	18.84	18.52	19.00
	36	LOW	Q16	18.93	18.62	18.56	19.00
		MID	Q16	18.63	18.85	18.54	19.00
		HIGH	Q16	18.58	18.50	18.29	19.00
75	LOW	Q16	18.51	18.45	18.67	19.00	
15	1	LOW	64QAM	18.86	18.60	18.82	19.00
		MID	64QAM	18.68	18.71	18.61	19.00
		HIGH	64QAM	18.78	18.92	18.70	19.00
	36	LOW	64QAM	18.37	18.46	18.67	19.00
		MID	64QAM	18.61	18.50	18.65	19.00
		HIGH	64QAM	18.90	18.43	18.83	19.00
75	LOW	64QAM	18.64	18.46	18.79	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.96	18.85	18.91	19.00
		MID	QPSK	18.75	18.90	18.76	19.00
		HIGH	QPSK	18.61	18.74	18.85	19.00
	50	LOW	QPSK	18.61	18.60	18.62	19.00
		MID	QPSK	18.66	18.40	18.53	19.00
		HIGH	QPSK	18.69	18.44	18.56	19.00
100	LOW	QPSK	18.68	18.68	18.61	19.00	
20	1	LOW	Q16	18.93	18.85	18.72	19.00
		MID	Q16	18.80	18.80	18.91	19.00
		HIGH	Q16	18.71	18.75	18.67	19.00
	50	LOW	Q16	18.79	18.60	18.51	19.00
		MID	Q16	18.66	18.76	18.41	19.00
		HIGH	Q16	18.47	18.43	18.43	19.00
100	LOW	Q16	18.40	18.57	18.52	19.00	
20	1	LOW	64QAM	18.77	18.70	18.73	19.00
		MID	64QAM	18.67	18.81	18.59	19.00
		HIGH	64QAM	18.84	18.86	18.71	19.00
	50	LOW	64QAM	18.45	18.60	18.77	19.00
		MID	64QAM	18.72	18.40	18.55	19.00
		HIGH	64QAM	18.79	18.43	18.72	19.00
100	LOW	64QAM	18.51	18.47	18.69	19.00	

LTE B4-DSI8&9&10 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.26	17.98	17.99	18.50
		MID	QPSK	18.34	18.16	18.34	18.50
		HIGH	QPSK	18.11	18.35	18.30	18.50
	3	LOW	QPSK	18.31	17.99	18.06	18.50
		MID	QPSK	18.39	18.33	18.39	18.50
	HIGH	QPSK	18.02	18.10	18.30	18.50	
6	LOW	QPSK	18.08	17.94	18.10	18.50	
1.4	1	LOW	Q16	18.21	18.15	18.15	18.50
		MID	Q16	18.08	17.97	18.23	18.50
		HIGH	Q16	18.14	17.96	18.11	18.50
	3	LOW	Q16	18.31	18.27	18.15	18.50
		MID	Q16	18.17	17.90	18.37	18.50
	HIGH	Q16	18.11	18.15	18.12	18.50	
6	LOW	Q16	18.02	18.29	17.86	18.50	
1.4	1	LOW	64QAM	18.33	17.97	17.90	18.50
		MID	64QAM	18.20	18.06	17.89	18.50
		HIGH	64QAM	18.10	17.97	18.34	18.50
	3	LOW	64QAM	18.27	17.97	18.04	18.50
		MID	64QAM	18.14	18.15	18.15	18.50
	HIGH	64QAM	18.34	17.94	18.16	18.50	
6	LOW	64QAM	18.09	17.80	18.00	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	18.38	18.13	18.05	18.50
		MID	QPSK	18.39	18.06	18.40	18.50
		HIGH	QPSK	17.93	18.36	18.25	18.50
	8	LOW	QPSK	18.35	18.23	18.13	18.50
		MID	QPSK	18.11	18.07	18.11	18.50
	HIGH	QPSK	18.06	17.97	18.08	18.50	
15	LOW	QPSK	18.27	18.12	17.86	18.50	
3	1	LOW	Q16	18.23	18.21	18.09	18.50
		MID	Q16	18.27	17.90	18.33	18.50
		HIGH	Q16	18.31	18.16	18.20	18.50
	8	LOW	Q16	18.08	17.93	17.90	18.50
		MID	Q16	18.06	17.95	18.31	18.50
	HIGH	Q16	17.93	18.03	18.10	18.50	
15	LOW	Q16	17.88	18.05	17.93	18.50	
3	1	LOW	64QAM	18.13	17.98	17.95	18.50
		MID	64QAM	18.08	18.00	18.10	18.50
		HIGH	64QAM	18.16	18.04	18.31	18.50
	8	LOW	64QAM	18.17	17.91	17.92	18.50
		MID	64QAM	17.96	17.92	17.91	18.50
	HIGH	64QAM	18.30	18.19	18.13	18.50	
15	LOW	64QAM	18.24	17.70	17.94	18.50	



LTE B4-DSI8&9&10 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	18.22	18.05	18.12	18.50
		MID	QPSK	18.24	18.14	18.42	18.50
		HIGH	QPSK	17.96	18.17	18.26	18.50
	12	LOW	QPSK	18.29	18.25	17.91	18.50
		MID	QPSK	17.89	18.00	18.11	18.50
		HIGH	QPSK	17.96	18.13	18.14	18.50
25	LOW	QPSK	18.24	18.08	18.04	18.50	
5	1	LOW	Q16	18.19	18.10	18.09	18.50
		MID	Q16	18.33	17.93	18.46	18.50
		HIGH	Q16	18.10	17.99	18.18	18.50
	12	LOW	Q16	18.04	18.03	17.79	18.50
		MID	Q16	18.11	18.19	18.23	18.50
		HIGH	Q16	17.76	18.23	18.13	18.50
25	LOW	Q16	17.85	18.31	17.97	18.50	
5	1	LOW	64QAM	18.22	18.22	17.91	18.50
		MID	64QAM	18.17	17.95	17.90	18.50
		HIGH	64QAM	18.12	17.90	18.20	18.50
	12	LOW	64QAM	18.08	18.06	17.97	18.50
		MID	64QAM	17.70	17.74	17.93	18.50
		HIGH	64QAM	18.04	18.03	18.03	18.50
25	LOW	64QAM	18.19	17.91	17.99	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	18.31	17.98	18.08	18.50
		MID	QPSK	18.37	18.24	18.37	18.50
		HIGH	QPSK	18.17	18.22	18.37	18.50
	25	LOW	QPSK	18.19	18.04	18.01	18.50
		MID	QPSK	18.14	17.88	18.34	18.50
		HIGH	QPSK	17.85	18.03	18.08	18.50
50	LOW	QPSK	18.14	18.16	18.00	18.50	
10	1	LOW	Q16	18.20	18.15	18.15	18.50
		MID	Q16	18.32	18.07	18.43	18.50
		HIGH	Q16	18.08	17.90	18.08	18.50
	25	LOW	Q16	18.13	17.99	18.00	18.50
		MID	Q16	18.15	18.01	18.14	18.50
		HIGH	Q16	17.81	18.02	18.26	18.50
50	LOW	Q16	18.05	18.31	17.99	18.50	
10	1	LOW	64QAM	18.36	18.24	18.03	18.50
		MID	64QAM	18.04	18.17	18.03	18.50
		HIGH	64QAM	18.13	17.87	18.21	18.50
	25	LOW	64QAM	18.28	18.04	18.02	18.50
		MID	64QAM	17.74	17.86	18.17	18.50
		HIGH	64QAM	18.12	18.03	18.20	18.50
50	LOW	64QAM	18.12	17.84	17.79	18.50	

LTE B4-DSI8&9&10 -Ant.13 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	18.24	18.13	18.10	18.50
		MID	QPSK	18.18	18.21	18.19	18.50
		HIGH	QPSK	18.04	18.11	18.18	18.50
	36	LOW	QPSK	18.30	17.97	18.18	18.50
		MID	QPSK	18.08	18.10	18.29	18.50
		75	LOW	QPSK	18.21	18.17	18.06
15	1	LOW	Q16	18.28	18.11	18.23	18.50
		MID	Q16	18.09	17.94	18.33	18.50
		HIGH	Q16	18.27	17.91	18.20	18.50
	36	LOW	Q16	18.12	18.08	18.01	18.50
		MID	Q16	18.17	18.06	18.07	18.50
		75	LOW	Q16	17.89	18.18	18.25
15	1	LOW	64QAM	18.27	18.03	17.94	18.50
		MID	64QAM	18.23	18.14	17.90	18.50
		HIGH	64QAM	18.33	18.10	18.40	18.50
	36	LOW	64QAM	18.08	18.16	18.08	18.50
		MID	64QAM	17.73	17.95	18.08	18.50
		75	HIGH	64QAM	18.03	18.04	18.17
		LOW	64QAM	18.28	17.86	17.82	18.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.24	18.10	18.04	18.50
		MID	QPSK	18.28	18.20	18.31	18.50
		HIGH	QPSK	18.06	18.21	18.24	18.50
	50	LOW	QPSK	18.21	18.10	18.04	18.50
		MID	QPSK	18.03	17.98	18.21	18.50
		100	HIGH	QPSK	18.00	18.11	18.20
20	1	LOW	Q16	18.30	18.12	18.10	18.50
		MID	Q16	18.19	17.99	18.32	18.50
		HIGH	Q16	18.22	18.03	18.21	18.50
	50	LOW	Q16	18.13	18.07	17.87	18.50
		MID	Q16	18.02	18.07	18.22	18.50
		100	HIGH	Q16	17.88	18.14	18.18
20	1	LOW	Q16	17.96	18.20	17.95	18.50
		LOW	64QAM	18.21	18.10	18.05	18.50
		MID	64QAM	18.11	18.05	18.03	18.50
	50	HIGH	64QAM	18.23	18.02	18.26	18.50
		LOW	64QAM	18.19	18.02	17.97	18.50
		100	MID	64QAM	17.82	17.88	18.04
		HIGH	64QAM	18.18	18.10	18.15	18.50
		LOW	64QAM	18.21	17.82	17.85	18.50

## 8.3.2 LTE Band4 Output Power(UL Inter CA)

LTE B4-Full Power -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.18	21.08	20.93	22.50
		MID	QPSK	21.20	20.90	20.95	22.50
		HIGH	QPSK	20.78	21.10	21.03	22.50
	3	LOW	QPSK	20.99	20.91	20.72	22.50
		MID	QPSK	20.94	20.93	21.10	22.50
		6	LOW	QPSK	20.16	20.00	19.93
1.4	1	LOW	Q16	19.91	19.79	19.94	21.50
		MID	Q16	20.16	19.92	19.94	21.50
		HIGH	Q16	20.05	19.99	20.16	21.50
	3	LOW	Q16	19.89	19.87	19.79	21.50
		MID	Q16	20.13	19.88	19.85	21.50
		6	LOW	Q16	18.82	19.06	18.98
1.4	1	LOW	64QAM	18.97	19.02	19.19	20.50
		MID	64QAM	18.85	19.18	19.11	20.50
		HIGH	64QAM	19.10	18.82	18.92	20.50
	3	LOW	64QAM	19.03	19.21	19.17	20.50
		MID	64QAM	19.06	19.13	19.01	20.50
		6	HIGH	64QAM	19.06	19.06	18.91
	6	LOW	64QAM	18.12	18.15	17.97	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.21	21.10	20.96	22.50
		MID	QPSK	21.10	21.00	20.93	22.50
		HIGH	QPSK	20.85	21.02	21.06	22.50
	8	LOW	QPSK	20.00	20.01	19.87	21.50
		MID	QPSK	19.98	19.84	20.02	21.50
		15	HIGH	QPSK	20.09	20.09	19.79
3	1	LOW	Q16	19.96	19.93	20.03	21.50
		MID	Q16	19.87	20.00	19.78	21.50
		HIGH	Q16	20.00	19.92	20.20	21.50
	8	LOW	Q16	19.07	19.02	18.88	20.50
		MID	Q16	19.10	19.02	19.15	20.50
		15	HIGH	Q16	18.79	18.92	19.13
3	1	LOW	Q16	19.07	19.04	18.96	20.50
		LOW	64QAM	19.16	18.92	19.05	20.50
		MID	64QAM	18.93	19.21	19.07	20.50
	8	HIGH	64QAM	19.08	18.93	18.83	20.50
		LOW	64QAM	17.87	17.75	17.86	19.50
		15	MID	64QAM	18.03	17.74	17.74
	15	HIGH	64QAM	18.02	17.86	18.02	19.50
	15	LOW	64QAM	18.17	18.17	17.79	19.50

LTE B4-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	21.10	21.17	20.90	22.50	
		MID	QPSK	21.09	20.92	21.09	22.50	
		HIGH	QPSK	21.06	20.99	20.91	22.50	
	12	LOW	QPSK	19.79	19.77	19.83	21.50	
		MID	QPSK	19.96	19.78	19.89	21.50	
		HIGH	QPSK	20.14	20.09	19.77	21.50	
	25	LOW	QPSK	20.28	20.03	20.04	21.50	
	5	1	LOW	Q16	20.03	19.84	19.75	21.50
			MID	Q16	20.15	20.06	19.96	21.50
HIGH			Q16	19.94	20.09	20.17	21.50	
12		LOW	Q16	19.01	19.05	19.01	20.50	
		MID	Q16	18.95	18.82	18.98	20.50	
		HIGH	Q16	18.95	18.78	18.95	20.50	
25		LOW	Q16	18.84	19.07	18.89	20.50	
5		1	LOW	64QAM	19.15	19.21	18.94	20.50
			MID	64QAM	18.88	19.00	18.97	20.50
	HIGH		64QAM	18.97	18.99	18.94	20.50	
	12	LOW	64QAM	17.77	17.73	18.12	19.50	
		MID	64QAM	17.90	17.85	17.98	19.50	
		HIGH	64QAM	18.07	17.90	18.09	19.50	
	25	LOW	64QAM	17.92	18.05	18.03	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	21.06	21.16	20.83	22.50
MID			QPSK	20.95	20.82	21.05	22.50	
HIGH			QPSK	21.02	21.13	21.05	22.50	
25		LOW	QPSK	19.84	19.88	19.92	21.50	
		MID	QPSK	19.95	20.06	19.81	21.50	
		HIGH	QPSK	20.18	19.87	20.02	21.50	
50	LOW	QPSK	20.29	19.78	19.97	21.50		
10	1	LOW	Q16	19.89	19.95	19.89	21.50	
		MID	Q16	19.99	20.00	20.03	21.50	
		HIGH	Q16	19.96	19.96	20.19	21.50	
	25	LOW	Q16	18.89	19.07	19.11	20.50	
		MID	Q16	19.08	19.06	19.17	20.50	
		HIGH	Q16	18.85	18.85	19.13	20.50	
50	LOW	Q16	19.00	19.04	19.13	20.50		
10	1	LOW	64QAM	19.20	19.22	18.99	20.50	
		MID	64QAM	18.93	19.06	19.00	20.50	
		HIGH	64QAM	19.16	19.01	18.75	20.50	
	25	LOW	64QAM	17.99	17.86	18.06	19.50	
		MID	64QAM	17.74	17.76	17.86	19.50	
		HIGH	64QAM	17.97	17.75	18.01	19.50	
	50	LOW	64QAM	18.02	18.12	17.79	19.50	

LTE B4-Full Power -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	21.05	21.03	20.99	22.50
		MID	QPSK	21.17	20.99	21.08	22.50
		HIGH	QPSK	20.89	21.24	21.01	22.50
	36	LOW	QPSK	19.77	19.79	19.76	21.50
		MID	QPSK	19.91	19.99	19.84	21.50
		HIGH	QPSK	20.19	20.07	19.97	21.50
75	LOW	QPSK	20.00	19.92	19.95	21.50	
15	1	LOW	Q16	19.97	20.06	19.99	21.50
		MID	Q16	20.12	20.11	20.08	21.50
		HIGH	Q16	19.99	19.91	20.19	21.50
	36	LOW	Q16	19.05	19.02	18.87	20.50
		MID	Q16	19.11	18.88	19.02	20.50
		HIGH	Q16	18.99	18.88	19.11	20.50
75	LOW	Q16	19.06	19.00	19.13	20.50	
15	1	LOW	64QAM	18.94	18.93	19.06	20.50
		MID	64QAM	18.85	19.25	18.91	20.50
		HIGH	64QAM	19.13	19.02	18.80	20.50
	36	LOW	64QAM	17.94	17.97	17.87	19.50
		MID	64QAM	17.99	17.82	17.96	19.50
		HIGH	64QAM	18.08	17.94	18.21	19.50
75	LOW	64QAM	17.90	18.04	17.94	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.11	21.02	20.86	22.50
		MID	QPSK	21.08	20.87	21.02	22.50
		HIGH	QPSK	20.91	21.11	21.01	22.50
	50	LOW	QPSK	19.85	19.90	19.90	21.50
		MID	QPSK	19.94	19.93	19.95	21.50
		HIGH	QPSK	20.07	20.02	19.92	21.50
100	LOW	QPSK	20.14	19.93	20.04	21.50	
20	1	LOW	Q16	19.97	19.94	19.90	21.50
		MID	Q16	20.02	19.96	19.93	21.50
		HIGH	Q16	19.91	19.98	20.12	21.50
	50	LOW	Q16	18.92	19.13	18.96	20.50
		MID	Q16	19.06	18.95	19.07	20.50
		HIGH	Q16	18.93	18.85	18.98	20.50
100	LOW	Q16	18.95	19.05	18.98	20.50	
20	1	LOW	64QAM	19.09	19.07	19.08	20.50
		MID	64QAM	18.94	19.14	18.99	20.50
		HIGH	64QAM	19.12	18.93	18.90	20.50
	50	LOW	64QAM	17.90	17.88	18.00	19.50
		MID	64QAM	17.88	17.89	17.87	19.50
		HIGH	64QAM	18.10	17.90	18.12	19.50
100	LOW	64QAM	18.02	18.15	17.91	19.50	

LTE B4-DSI2&3 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	12.37	12.38	12.40	14.00
		MID	QPSK	12.75	12.63	12.25	14.00
		HIGH	QPSK	12.59	12.46	12.62	14.00
	3	LOW	QPSK	12.49	12.37	12.60	14.00
		HIGH	QPSK	12.47	12.38	12.35	14.00
	6	LOW	QPSK	12.26	12.64	12.57	14.00
1.4	1	LOW	Q16	12.48	12.66	12.63	14.00
		MID	Q16	12.55	12.62	12.77	14.00
		HIGH	Q16	12.69	12.77	12.35	14.00
	3	LOW	Q16	12.61	12.64	12.55	14.00
		MID	Q16	12.46	12.50	12.48	14.00
	6	HIGH	Q16	12.44	12.80	12.51	14.00
1.4	1	LOW	64QAM	12.47	12.30	12.40	14.00
		MID	64QAM	12.39	12.26	12.23	14.00
		HIGH	64QAM	12.76	12.59	12.42	14.00
	3	LOW	64QAM	12.42	12.54	12.45	14.00
		MID	64QAM	12.58	12.33	12.35	14.00
	6	HIGH	64QAM	12.77	12.47	12.51	14.00
3	1	LOW	64QAM	12.46	12.41	12.45	14.00
		MID	64QAM	12.46	12.41	12.45	14.00
		HIGH	64QAM	12.46	12.41	12.45	14.00
	8	LOW	QPSK	12.39	12.51	12.45	14.00
		MID	QPSK	12.62	12.64	12.51	14.00
		HIGH	QPSK	12.54	12.60	12.59	14.00
3	1	LOW	Q16	12.62	12.57	12.42	14.00
		MID	Q16	12.47	12.65	12.47	14.00
		HIGH	Q16	12.48	12.72	12.62	14.00
	8	LOW	Q16	12.50	12.52	12.55	14.00
		MID	Q16	12.52	12.76	12.49	14.00
	15	HIGH	Q16	12.28	12.50	12.56	14.00
3	1	LOW	Q16	12.24	12.32	12.45	14.00
		LOW	64QAM	12.58	12.28	12.31	14.00
		MID	64QAM	12.55	12.51	12.30	14.00
	8	HIGH	64QAM	12.67	12.57	12.28	14.00
		LOW	64QAM	12.50	12.49	12.64	14.00
	15	MID	64QAM	12.54	12.54	12.41	14.00
15	HIGH	64QAM	12.42	12.44	12.67	14.00	
15	LOW	64QAM	12.39	12.32	12.40	14.00	

LTE B4-DSI2&3 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	12.37	12.49	12.33	14.00
		MID	QPSK	12.45	12.65	12.51	14.00
		HIGH	QPSK	12.59	12.42	12.62	14.00
	12	LOW	QPSK	12.71	12.57	12.43	14.00
		MID	QPSK	12.58	12.40	12.64	14.00
		HIGH	QPSK	12.47	12.45	12.44	14.00
25	LOW	QPSK	12.43	12.40	12.55	14.00	
5	1	LOW	Q16	12.61	12.70	12.55	14.00
		MID	Q16	12.48	12.70	12.48	14.00
		HIGH	Q16	12.67	12.71	12.42	14.00
	12	LOW	Q16	12.48	12.58	12.65	14.00
		MID	Q16	12.57	12.68	12.55	14.00
		HIGH	Q16	12.37	12.38	12.50	14.00
25	LOW	Q16	12.41	12.25	12.31	14.00	
5	1	LOW	64QAM	12.38	12.40	12.35	14.00
		MID	64QAM	12.52	12.27	12.46	14.00
		HIGH	64QAM	12.58	12.71	12.52	14.00
	12	LOW	64QAM	12.67	12.38	12.53	14.00
		MID	64QAM	12.57	12.58	12.30	14.00
		HIGH	64QAM	12.69	12.40	12.77	14.00
25	LOW	64QAM	12.52	12.31	12.32	14.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	12.37	12.51	12.37	14.00
		MID	QPSK	12.57	12.66	12.46	14.00
		HIGH	QPSK	12.49	12.36	12.45	14.00
	25	LOW	QPSK	12.59	12.52	12.36	14.00
		MID	QPSK	12.35	12.36	12.47	14.00
		HIGH	QPSK	12.51	12.62	12.66	14.00
50	LOW	QPSK	12.40	12.60	12.54	14.00	
10	1	LOW	Q16	12.37	12.59	12.70	14.00
		MID	Q16	12.55	12.77	12.72	14.00
		HIGH	Q16	12.56	12.77	12.38	14.00
	25	LOW	Q16	12.32	12.47	12.69	14.00
		MID	Q16	12.43	12.76	12.45	14.00
		HIGH	Q16	12.55	12.53	12.57	14.00
50	LOW	Q16	12.31	12.39	12.26	14.00	
10	1	LOW	64QAM	12.38	12.37	12.34	14.00
		MID	64QAM	12.58	12.24	12.27	14.00
		HIGH	64QAM	12.67	12.47	12.45	14.00
	25	LOW	64QAM	12.58	12.52	12.50	14.00
		MID	64QAM	12.66	12.71	12.43	14.00
		HIGH	64QAM	12.48	12.48	12.69	14.00
50	LOW	64QAM	12.34	12.53	12.32	14.00	

LTE B4-DSI2&3 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	12.42	12.54	12.38	14.00
		MID	QPSK	12.69	12.44	12.33	14.00
		HIGH	QPSK	12.48	12.48	12.43	14.00
	36	LOW	QPSK	12.72	12.54	12.31	14.00
		MID	QPSK	12.53	12.30	12.69	14.00
		HIGH	QPSK	12.56	12.43	12.70	14.00
75	LOW	QPSK	12.47	12.48	12.78	14.00	
15	1	LOW	Q16	12.45	12.52	12.50	14.00
		MID	Q16	12.34	12.72	12.72	14.00
		HIGH	Q16	12.68	12.74	12.45	14.00
	36	LOW	Q16	12.44	12.47	12.64	14.00
		MID	Q16	12.50	12.67	12.68	14.00
		HIGH	Q16	12.45	12.55	12.47	14.00
75	LOW	Q16	12.30	12.44	12.54	14.00	
15	1	LOW	64QAM	12.57	12.28	12.36	14.00
		MID	64QAM	12.55	12.26	12.49	14.00
		HIGH	64QAM	12.70	12.67	12.33	14.00
	36	LOW	64QAM	12.63	12.58	12.54	14.00
		MID	64QAM	12.68	12.61	12.34	14.00
		HIGH	64QAM	12.55	12.43	12.56	14.00
75	LOW	64QAM	12.29	12.55	12.52	14.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	12.38	12.45	12.46	14.00
		MID	QPSK	12.60	12.51	12.39	14.00
		HIGH	QPSK	12.45	12.50	12.49	14.00
	50	LOW	QPSK	12.65	12.54	12.46	14.00
		MID	QPSK	12.50	12.39	12.59	14.00
		HIGH	QPSK	12.61	12.54	12.55	14.00
100	LOW	QPSK	12.41	12.51	12.64	14.00	
20	1	LOW	Q16	12.51	12.62	12.57	14.00
		MID	Q16	12.45	12.65	12.62	14.00
		HIGH	Q16	12.58	12.65	12.49	14.00
	50	LOW	Q16	12.42	12.43	12.65	14.00
		MID	Q16	12.44	12.65	12.60	14.00
		HIGH	Q16	12.43	12.48	12.47	14.00
100	LOW	Q16	12.36	12.39	12.40	14.00	
20	1	LOW	64QAM	12.52	12.41	12.39	14.00
		MID	64QAM	12.53	12.38	12.38	14.00
		HIGH	64QAM	12.65	12.59	12.42	14.00
	50	LOW	64QAM	12.56	12.43	12.51	14.00
		MID	64QAM	12.64	12.58	12.45	14.00
		HIGH	64QAM	12.56	12.43	12.62	14.00
100	LOW	64QAM	12.42	12.46	12.47	14.00	



LTE B4-DSI4 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.18	21.08	20.93	22.50
		MID	QPSK	21.20	20.90	20.95	22.50
		HIGH	QPSK	20.78	21.10	21.03	22.50
	3	LOW	QPSK	20.99	20.91	20.72	22.50
		MID	QPSK	20.94	20.93	21.10	22.50
	HIGH	QPSK	20.91	21.16	20.97	22.50	
6	LOW	QPSK	20.16	20.00	19.93	21.50	
1.4	1	LOW	Q16	19.91	19.79	19.94	21.50
		MID	Q16	20.16	19.92	19.94	21.50
		HIGH	Q16	20.05	19.99	20.16	21.50
	3	LOW	Q16	19.89	19.87	19.79	21.50
		MID	Q16	20.13	19.88	19.85	21.50
	HIGH	Q16	19.97	19.91	20.18	21.50	
6	LOW	Q16	18.82	19.06	18.98	20.50	
1.4	1	LOW	64QAM	18.97	19.02	19.19	20.50
		MID	64QAM	18.85	19.18	19.11	20.50
		HIGH	64QAM	19.10	18.82	18.92	20.50
	3	LOW	64QAM	19.03	19.21	19.17	20.50
		MID	64QAM	19.06	19.13	19.01	20.50
	HIGH	64QAM	19.06	19.06	18.91	20.50	
6	LOW	64QAM	18.12	18.15	17.97	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.21	21.10	20.96	22.50
		MID	QPSK	21.10	21.00	20.93	22.50
		HIGH	QPSK	20.85	21.02	21.06	22.50
	8	LOW	QPSK	20.00	20.01	19.87	21.50
		MID	QPSK	19.98	19.84	20.02	21.50
	HIGH	QPSK	20.09	20.09	19.79	21.50	
15	LOW	QPSK	20.02	20.05	19.91	21.50	
3	1	LOW	Q16	19.96	19.93	20.03	21.50
		MID	Q16	19.87	20.00	19.78	21.50
		HIGH	Q16	20.00	19.92	20.20	21.50
	8	LOW	Q16	19.07	19.02	18.88	20.50
		MID	Q16	19.10	19.02	19.15	20.50
	HIGH	Q16	18.79	18.92	19.13	20.50	
15	LOW	Q16	19.07	19.04	18.96	20.50	
3	1	LOW	64QAM	19.16	18.92	19.05	20.50
		MID	64QAM	18.93	19.21	19.07	20.50
		HIGH	64QAM	19.08	18.93	18.83	20.50
	8	LOW	64QAM	17.87	17.75	17.86	19.50
		MID	64QAM	18.03	17.74	17.74	19.50
	HIGH	64QAM	18.02	17.86	18.02	19.50	
15	LOW	64QAM	18.17	18.17	17.79	19.50	

LTE B4-DSI4 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	21.10	21.17	20.90	22.50	
		MID	QPSK	21.09	20.92	21.09	22.50	
		HIGH	QPSK	21.06	20.99	20.91	22.50	
	12	LOW	QPSK	19.79	19.77	19.83	21.50	
		MID	QPSK	19.96	19.78	19.89	21.50	
		HIGH	QPSK	20.14	20.09	19.77	21.50	
	25	LOW	QPSK	20.28	20.03	20.04	21.50	
	5	1	LOW	Q16	20.03	19.84	19.75	21.50
			MID	Q16	20.15	20.06	19.96	21.50
HIGH			Q16	19.94	20.09	20.17	21.50	
12		LOW	Q16	19.01	19.05	19.01	20.50	
		MID	Q16	18.95	18.82	18.98	20.50	
		HIGH	Q16	18.95	18.78	18.95	20.50	
25		LOW	Q16	18.84	19.07	18.89	20.50	
5		1	LOW	64QAM	19.15	19.21	18.94	20.50
			MID	64QAM	18.88	19.00	18.97	20.50
	HIGH		64QAM	18.97	18.99	18.94	20.50	
	12	LOW	64QAM	17.77	17.73	18.12	19.50	
		MID	64QAM	17.90	17.85	17.98	19.50	
		HIGH	64QAM	18.07	17.90	18.09	19.50	
	25	LOW	64QAM	17.92	18.05	18.03	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	21.06	21.16	20.83	22.50
MID			QPSK	20.95	20.82	21.05	22.50	
HIGH			QPSK	21.02	21.13	21.05	22.50	
25		LOW	QPSK	19.84	19.88	19.92	21.50	
		MID	QPSK	19.95	20.06	19.81	21.50	
		HIGH	QPSK	20.18	19.87	20.02	21.50	
50	LOW	QPSK	20.29	19.78	19.97	21.50		
10	1	LOW	Q16	19.89	19.95	19.89	21.50	
		MID	Q16	19.99	20.00	20.03	21.50	
		HIGH	Q16	19.96	19.96	20.19	21.50	
	25	LOW	Q16	18.89	19.07	19.11	20.50	
		MID	Q16	19.08	19.06	19.17	20.50	
		HIGH	Q16	18.85	18.85	19.13	20.50	
	50	LOW	Q16	19.00	19.04	19.13	20.50	
	10	1	LOW	64QAM	19.20	19.22	18.99	20.50
			MID	64QAM	18.93	19.06	19.00	20.50
HIGH			64QAM	19.16	19.01	18.75	20.50	
25		LOW	64QAM	17.99	17.86	18.06	19.50	
		MID	64QAM	17.74	17.76	17.86	19.50	
		HIGH	64QAM	17.97	17.75	18.01	19.50	
50		LOW	64QAM	18.02	18.12	17.79	19.50	

LTE B4-DSI4 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	21.05	21.03	20.99	22.50
		MID	QPSK	21.17	20.99	21.08	22.50
		HIGH	QPSK	20.89	21.24	21.01	22.50
	36	LOW	QPSK	19.77	19.79	19.76	21.50
		MID	QPSK	19.91	19.99	19.84	21.50
		HIGH	QPSK	20.19	20.07	19.97	21.50
75	LOW	QPSK	20.00	19.92	19.95	21.50	
15	1	LOW	Q16	19.97	20.06	19.99	21.50
		MID	Q16	20.12	20.11	20.08	21.50
		HIGH	Q16	19.99	19.91	20.19	21.50
	36	LOW	Q16	19.05	19.02	18.87	20.50
		MID	Q16	19.11	18.88	19.02	20.50
		HIGH	Q16	18.99	18.88	19.11	20.50
75	LOW	Q16	19.06	19.00	19.13	20.50	
15	1	LOW	64QAM	18.94	18.93	19.06	20.50
		MID	64QAM	18.85	19.25	18.91	20.50
		HIGH	64QAM	19.13	19.02	18.80	20.50
	36	LOW	64QAM	17.94	17.97	17.87	19.50
		MID	64QAM	17.99	17.82	17.96	19.50
		HIGH	64QAM	18.08	17.94	18.21	19.50
75	LOW	64QAM	17.90	18.04	17.94	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.11	21.02	20.86	22.50
		MID	QPSK	21.08	20.87	21.02	22.50
		HIGH	QPSK	20.91	21.11	21.01	22.50
	50	LOW	QPSK	19.85	19.90	19.90	21.50
		MID	QPSK	19.94	19.93	19.95	21.50
		HIGH	QPSK	20.07	20.02	19.92	21.50
100	LOW	QPSK	20.14	19.93	20.04	21.50	
20	1	LOW	Q16	19.97	19.94	19.90	21.50
		MID	Q16	20.02	19.96	19.93	21.50
		HIGH	Q16	19.91	19.98	20.12	21.50
	50	LOW	Q16	18.92	19.13	18.96	20.50
		MID	Q16	19.06	18.95	19.07	20.50
		HIGH	Q16	18.93	18.85	18.98	20.50
100	LOW	Q16	18.95	19.05	18.98	20.50	
20	1	LOW	64QAM	19.09	19.07	19.08	20.50
		MID	64QAM	18.94	19.14	18.99	20.50
		HIGH	64QAM	19.12	18.93	18.90	20.50
	50	LOW	64QAM	17.90	17.88	18.00	19.50
		MID	64QAM	17.88	17.89	17.87	19.50
		HIGH	64QAM	18.10	17.90	18.12	19.50
100	LOW	64QAM	18.02	18.15	17.91	19.50	

LTE B4-DSI5 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.42	15.54	15.50	17.00
		MID	QPSK	15.33	15.24	15.64	17.00
		HIGH	QPSK	15.39	15.49	15.50	17.00
	3	LOW	QPSK	15.43	15.51	15.30	17.00
		MID	QPSK	15.36	15.45	15.41	17.00
	HIGH	QPSK	15.51	15.50	15.38	17.00	
6	LOW	QPSK	15.72	15.72	15.73	17.00	
1.4	1	LOW	Q16	15.38	15.60	15.52	17.00
		MID	Q16	15.64	15.70	15.45	17.00
		HIGH	Q16	15.59	15.32	15.41	17.00
	3	LOW	Q16	15.46	15.42	15.47	17.00
		MID	Q16	15.64	15.48	15.41	17.00
	HIGH	Q16	15.37	15.51	15.46	17.00	
6	LOW	Q16	15.75	15.50	15.50	17.00	
1.4	1	LOW	64QAM	15.44	15.52	15.65	17.00
		MID	64QAM	15.71	15.41	15.62	17.00
		HIGH	64QAM	15.42	15.51	15.57	17.00
	3	LOW	64QAM	15.33	15.60	15.70	17.00
		MID	64QAM	15.62	15.48	15.42	17.00
	HIGH	64QAM	15.55	15.23	15.56	17.00	
6	LOW	64QAM	15.34	15.42	15.61	17.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	15.25	15.46	15.43	17.00
		MID	QPSK	15.59	15.52	15.41	17.00
		HIGH	QPSK	15.47	15.30	15.32	17.00
	8	LOW	QPSK	15.56	15.43	15.61	17.00
		MID	QPSK	15.37	15.51	15.68	17.00
	HIGH	QPSK	15.42	15.62	15.44	17.00	
15	LOW	QPSK	15.58	15.55	15.69	17.00	
3	1	LOW	Q16	15.44	15.53	15.47	17.00
		MID	Q16	15.46	15.55	15.50	17.00
		HIGH	Q16	15.55	15.54	15.69	17.00
	8	LOW	Q16	15.61	15.67	15.66	17.00
		MID	Q16	15.50	15.38	15.73	17.00
	HIGH	Q16	15.42	15.42	15.57	17.00	
15	LOW	Q16	15.69	15.47	15.48	17.00	
3	1	LOW	64QAM	15.44	15.52	15.77	17.00
		MID	64QAM	15.74	15.61	15.46	17.00
		HIGH	64QAM	15.58	15.34	15.67	17.00
	8	LOW	64QAM	15.43	15.35	15.65	17.00
		MID	64QAM	15.29	15.34	15.32	17.00
	HIGH	64QAM	15.63	15.55	15.28	17.00	
15	LOW	64QAM	15.50	15.42	15.56	17.00	

LTE B4-DSI5 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	15.49	15.44	15.58	17.00
		MID	QPSK	15.37	15.22	15.61	17.00
		HIGH	QPSK	15.62	15.36	15.31	17.00
	12	LOW	QPSK	15.62	15.32	15.61	17.00
		MID	QPSK	15.34	15.62	15.41	17.00
		HIGH	QPSK	15.50	15.55	15.45	17.00
25	LOW	QPSK	15.49	15.49	15.47	17.00	
5	1	LOW	Q16	15.56	15.58	15.54	17.00
		MID	Q16	15.60	15.62	15.24	17.00
		HIGH	Q16	15.49	15.28	15.71	17.00
	12	LOW	Q16	15.51	15.73	15.69	17.00
		MID	Q16	15.57	15.47	15.44	17.00
		HIGH	Q16	15.56	15.68	15.42	17.00
25	LOW	Q16	15.56	15.45	15.67	17.00	
5	1	LOW	64QAM	15.55	15.57	15.79	17.00
		MID	64QAM	15.49	15.62	15.44	17.00
		HIGH	64QAM	15.70	15.47	15.45	17.00
	12	LOW	64QAM	15.36	15.34	15.50	17.00
		MID	64QAM	15.42	15.47	15.31	17.00
		HIGH	64QAM	15.41	15.59	15.39	17.00
25	LOW	64QAM	15.38	15.56	15.37	17.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	15.33	15.64	15.35	17.00
		MID	QPSK	15.43	15.28	15.42	17.00
		HIGH	QPSK	15.47	15.33	15.50	17.00
	25	LOW	QPSK	15.73	15.41	15.59	17.00
		MID	QPSK	15.46	15.55	15.52	17.00
		HIGH	QPSK	15.55	15.58	15.54	17.00
50	LOW	QPSK	15.62	15.51	15.46	17.00	
10	1	LOW	Q16	15.54	15.48	15.62	17.00
		MID	Q16	15.50	15.51	15.49	17.00
		HIGH	Q16	15.36	15.34	15.68	17.00
	25	LOW	Q16	15.42	15.59	15.58	17.00
		MID	Q16	15.52	15.54	15.65	17.00
		HIGH	Q16	15.47	15.42	15.40	17.00
50	LOW	Q16	15.68	15.47	15.63	17.00	
10	1	LOW	64QAM	15.36	15.51	15.71	17.00
		MID	64QAM	15.61	15.69	15.60	17.00
		HIGH	64QAM	15.58	15.29	15.43	17.00
	25	LOW	64QAM	15.41	15.35	15.54	17.00
		MID	64QAM	15.26	15.52	15.35	17.00
		HIGH	64QAM	15.37	15.54	15.29	17.00
50	LOW	64QAM	15.25	15.45	15.46	17.00	

LTE B4-DSI5 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	15.24	15.43	15.30	17.00
		MID	QPSK	15.45	15.49	15.66	17.00
		HIGH	QPSK	15.45	15.50	15.28	17.00
	36	LOW	QPSK	15.73	15.48	15.65	17.00
		MID	QPSK	15.49	15.55	15.40	17.00
		HIGH	QPSK	15.56	15.65	15.38	17.00
	75	LOW	QPSK	15.56	15.53	15.45	17.00
15	1	LOW	Q16	15.54	15.40	15.48	17.00
		MID	Q16	15.53	15.72	15.44	17.00
		HIGH	Q16	15.41	15.47	15.44	17.00
	36	LOW	Q16	15.50	15.75	15.72	17.00
		MID	Q16	15.50	15.48	15.58	17.00
		HIGH	Q16	15.64	15.40	15.54	17.00
	75	LOW	Q16	15.69	15.51	15.43	17.00
15	1	LOW	64QAM	15.54	15.61	15.79	17.00
		MID	64QAM	15.74	15.50	15.48	17.00
		HIGH	64QAM	15.58	15.47	15.45	17.00
	36	LOW	64QAM	15.52	15.39	15.68	17.00
		MID	64QAM	15.34	15.43	15.38	17.00
		HIGH	64QAM	15.62	15.49	15.54	17.00
	75	LOW	64QAM	15.41	15.58	15.61	17.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	15.35	15.56	15.43	17.00
		MID	QPSK	15.46	15.37	15.53	17.00
		HIGH	QPSK	15.53	15.45	15.37	17.00
	50	LOW	QPSK	15.59	15.42	15.59	17.00
		MID	QPSK	15.40	15.52	15.54	17.00
		HIGH	QPSK	15.41	15.59	15.49	17.00
	100	LOW	QPSK	15.57	15.61	15.59	17.00
20	1	LOW	Q16	15.49	15.55	15.58	17.00
		MID	Q16	15.50	15.61	15.36	17.00
		HIGH	Q16	15.47	15.41	15.56	17.00
	50	LOW	Q16	15.46	15.62	15.65	17.00
		MID	Q16	15.59	15.53	15.59	17.00
		HIGH	Q16	15.52	15.54	15.53	17.00
	100	LOW	Q16	15.63	15.37	15.56	17.00
20	1	LOW	64QAM	15.45	15.61	15.65	17.00
		MID	64QAM	15.60	15.55	15.53	17.00
		HIGH	64QAM	15.56	15.38	15.52	17.00
	50	LOW	64QAM	15.48	15.46	15.58	17.00
		MID	64QAM	15.39	15.40	15.35	17.00
		HIGH	64QAM	15.50	15.47	15.41	17.00
	100	LOW	64QAM	15.39	15.56	15.50	17.00

LTE B4-DSI8&9&10 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.23	14.92	15.03	16.50
		MID	QPSK	15.03	15.15	14.89	16.50
		HIGH	QPSK	14.99	14.90	15.07	16.50
	3	LOW	QPSK	15.20	15.13	14.87	16.50
		HIGH	QPSK	14.91	14.89	15.06	16.50
	6	LOW	QPSK	14.96	14.85	14.82	16.50
1.4	1	LOW	Q16	14.94	14.97	15.02	16.50
		MID	Q16	15.21	15.20	15.07	16.50
		HIGH	Q16	14.90	15.23	15.13	16.50
	3	LOW	Q16	14.99	15.10	14.90	16.50
		MID	Q16	15.26	15.16	14.92	16.50
	6	HIGH	Q16	14.97	15.16	15.17	16.50
1.4	1	LOW	64QAM	14.99	14.90	14.99	16.50
		MID	64QAM	14.83	14.84	15.10	16.50
		HIGH	64QAM	14.86	15.06	15.00	16.50
	3	LOW	64QAM	15.13	14.84	14.89	16.50
		MID	64QAM	15.05	14.77	14.90	16.50
	6	HIGH	64QAM	14.84	15.22	14.95	16.50
1.4	1	LOW	64QAM	14.79	15.00	15.18	16.50
		MID	64QAM	14.79	15.00	15.18	16.50
		HIGH	64QAM	14.79	15.00	15.18	16.50
	3	LOW	64QAM	14.79	15.00	15.18	16.50
		MID	64QAM	14.79	15.00	15.18	16.50
	6	HIGH	64QAM	14.79	15.00	15.18	16.50
3	1	LOW	QPSK	15.10	14.90	14.94	16.50
		MID	QPSK	15.03	15.13	14.78	16.50
		HIGH	QPSK	14.94	14.93	15.02	16.50
	8	LOW	QPSK	14.97	14.94	14.94	16.50
		MID	QPSK	15.11	14.96	14.80	16.50
	15	HIGH	QPSK	15.08	14.96	14.89	16.50
3	1	LOW	Q16	15.03	14.85	15.05	16.50
		MID	Q16	14.92	14.90	15.00	16.50
		HIGH	Q16	15.06	15.22	15.08	16.50
	8	LOW	Q16	14.98	15.06	15.13	16.50
		MID	Q16	15.09	14.91	14.83	16.50
	15	HIGH	Q16	15.09	14.91	14.83	16.50
3	1	LOW	Q16	14.86	14.91	14.85	16.50
		MID	Q16	14.86	14.91	14.85	16.50
		HIGH	Q16	15.27	15.11	15.20	16.50
	8	LOW	Q16	15.27	15.11	15.20	16.50
		MID	Q16	15.27	15.11	15.20	16.50
	15	HIGH	Q16	15.27	15.11	15.20	16.50
3	1	LOW	64QAM	14.82	14.90	15.02	16.50
		MID	64QAM	14.92	14.77	15.13	16.50
		HIGH	64QAM	14.95	14.82	15.14	16.50
	8	LOW	64QAM	15.02	14.99	15.09	16.50
		MID	64QAM	14.93	14.83	15.21	16.50
	15	HIGH	64QAM	15.04	14.99	15.20	16.50
3	8	LOW	64QAM	14.90	14.86	15.08	16.50
		MID	64QAM	14.90	14.86	15.08	16.50
	15	HIGH	64QAM	14.90	14.86	15.08	16.50

LTE B4-DSI8&9&10 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	15.15	15.00	14.89	16.50
		MID	QPSK	14.91	15.04	14.90	16.50
		HIGH	QPSK	15.06	14.95	14.97	16.50
	12	LOW	QPSK	15.01	14.85	15.10	16.50
		MID	QPSK	15.07	14.92	14.87	16.50
		HIGH	QPSK	15.02	14.99	15.11	16.50
25	LOW	QPSK	15.05	14.85	15.01	16.50	
5	1	LOW	Q16	15.14	15.11	14.92	16.50
		MID	Q16	15.27	15.04	15.01	16.50
		HIGH	Q16	14.87	15.24	14.89	16.50
	12	LOW	Q16	15.19	14.93	14.89	16.50
		MID	Q16	14.95	14.81	14.97	16.50
		HIGH	Q16	15.21	14.94	15.13	16.50
25	LOW	Q16	15.04	14.97	15.12	16.50	
5	1	LOW	64QAM	15.16	14.86	14.89	16.50
		MID	64QAM	14.85	14.95	15.13	16.50
		HIGH	64QAM	15.01	14.95	15.07	16.50
	12	LOW	64QAM	14.88	15.07	15.08	16.50
		MID	64QAM	15.03	15.02	15.08	16.50
		HIGH	64QAM	14.94	14.86	14.93	16.50
25	LOW	64QAM	14.85	14.97	14.92	16.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	15.01	15.04	14.95	16.50
		MID	QPSK	14.79	15.14	14.72	16.50
		HIGH	QPSK	15.18	14.78	15.17	16.50
	25	LOW	QPSK	15.09	15.00	14.88	16.50
		MID	QPSK	15.00	14.95	15.05	16.50
		HIGH	QPSK	15.25	14.93	14.92	16.50
50	LOW	QPSK	15.04	14.89	14.86	16.50	
10	1	LOW	Q16	14.94	14.98	14.98	16.50
		MID	Q16	15.03	15.09	15.10	16.50
		HIGH	Q16	14.96	15.21	15.05	16.50
	25	LOW	Q16	15.24	15.07	14.85	16.50
		MID	Q16	15.05	14.82	14.86	16.50
		HIGH	Q16	15.07	14.95	15.17	16.50
50	LOW	Q16	14.91	14.93	15.05	16.50	
10	1	LOW	64QAM	15.06	14.92	15.06	16.50
		MID	64QAM	15.06	14.95	15.06	16.50
		HIGH	64QAM	15.07	15.12	14.85	16.50
	25	LOW	64QAM	14.96	14.99	14.92	16.50
		MID	64QAM	15.15	15.07	15.05	16.50
		HIGH	64QAM	14.91	14.79	15.20	16.50
50	LOW	64QAM	14.98	14.93	15.02	16.50	



LTE B4-DSI8&9&10 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	15.18	14.91	15.06	16.50
		MID	QPSK	14.83	14.92	14.80	16.50
		HIGH	QPSK	15.16	15.00	15.10	16.50
	36	LOW	QPSK	15.03	15.08	14.91	16.50
		MID	QPSK	15.12	15.00	14.96	16.50
		HIGH	QPSK	15.03	14.89	14.96	16.50
75	LOW	QPSK	15.00	14.93	14.86	16.50	
15	1	LOW	Q16	14.88	15.11	15.07	16.50
		MID	Q16	15.20	15.09	15.02	16.50
		HIGH	Q16	14.89	15.26	15.19	16.50
	36	LOW	Q16	15.11	15.03	14.87	16.50
		MID	Q16	15.09	15.02	14.95	16.50
		HIGH	Q16	15.06	15.03	15.06	16.50
75	LOW	Q16	14.98	14.79	15.25	16.50	
15	1	LOW	64QAM	15.01	14.76	15.12	16.50
		MID	64QAM	15.02	14.98	15.01	16.50
		HIGH	64QAM	15.06	14.99	15.11	16.50
	36	LOW	64QAM	14.96	14.92	15.10	16.50
		MID	64QAM	15.01	14.90	15.13	16.50
		HIGH	64QAM	15.11	14.87	15.03	16.50
75	LOW	64QAM	14.85	14.99	15.20	16.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	15.15	15.01	14.93	16.50
		MID	QPSK	14.90	15.05	14.86	16.50
		HIGH	QPSK	15.05	14.87	15.07	16.50
	50	LOW	QPSK	15.03	14.98	15.01	16.50
		MID	QPSK	15.06	14.89	14.90	16.50
		HIGH	QPSK	15.14	14.98	15.01	16.50
100	LOW	QPSK	14.94	14.94	14.90	16.50	
20	1	LOW	Q16	15.00	14.96	15.01	16.50
		MID	Q16	15.13	15.08	14.99	16.50
		HIGH	Q16	14.87	15.12	15.04	16.50
	50	LOW	Q16	15.13	14.96	14.86	16.50
		MID	Q16	14.94	14.92	14.99	16.50
		HIGH	Q16	15.14	15.08	15.10	16.50
100	LOW	Q16	14.93	14.87	15.12	16.50	
20	1	LOW	64QAM	15.05	14.87	14.98	16.50
		MID	64QAM	14.98	14.89	15.01	16.50
		HIGH	64QAM	14.95	15.10	14.99	16.50
	50	LOW	64QAM	14.99	14.97	15.06	16.50
		MID	64QAM	15.06	15.03	15.12	16.50
		HIGH	64QAM	15.00	14.90	15.08	16.50
100	LOW	64QAM	14.87	14.94	15.07	16.50	

## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.15	23.15	23.22	24.50	
		MID	QPSK	23.07	23.18	23.08	24.50	
		HIGH	QPSK	23.18	23.17	23.13	24.50	
	3	LOW	QPSK	23.00	23.01	23.00	24.50	
		MID	QPSK	23.04	22.91	23.02	24.50	
		HIGH	QPSK	23.25	23.14	22.99	24.50	
	6	LOW	QPSK	22.14	22.04	22.01	23.50	
	1.4	1	LOW	Q16	22.41	22.47	22.36	23.50
			MID	Q16	22.31	22.35	22.21	23.50
HIGH			Q16	22.21	22.54	22.17	23.50	
3		LOW	Q16	22.30	21.95	22.47	23.50	
		MID	Q16	22.32	22.40	22.28	23.50	
		HIGH	Q16	22.42	22.39	22.40	23.50	
6		LOW	Q16	21.20	20.97	20.91	22.50	
1.4		1	LOW	64QAM	21.43	21.36	21.42	22.50
			MID	64QAM	21.27	21.44	21.08	22.50
	HIGH		64QAM	21.08	21.61	21.25	22.50	
	3	LOW	64QAM	21.22	21.05	21.48	22.50	
		MID	64QAM	21.29	21.54	21.38	22.50	
		HIGH	64QAM	21.38	21.30	21.43	22.50	
	6	LOW	64QAM	20.07	20.00	19.88	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	23.11	22.95	23.17	24.50
MID			QPSK	23.04	23.11	23.08	24.50	
HIGH			QPSK	23.18	22.95	23.10	24.50	
8		LOW	QPSK	22.26	22.04	21.98	23.50	
		MID	QPSK	22.29	22.18	22.01	23.50	
		HIGH	QPSK	22.30	21.95	22.03	23.50	
15		LOW	QPSK	22.03	22.11	22.11	23.50	
3		1	LOW	Q16	22.36	22.45	22.47	23.50
			MID	Q16	22.29	22.41	22.40	23.50
	HIGH		Q16	22.31	22.43	22.42	23.50	
	8	LOW	Q16	21.21	21.21	20.97	22.50	
		MID	Q16	21.18	21.00	21.04	22.50	
		HIGH	Q16	21.13	21.01	20.93	22.50	
	15	LOW	Q16	21.25	21.21	21.03	22.50	
	3	1	LOW	64QAM	21.30	21.52	21.39	22.50
			MID	64QAM	21.27	21.29	21.42	22.50
HIGH			64QAM	21.37	21.54	21.43	22.50	
8		LOW	64QAM	20.05	20.16	20.00	21.50	
		MID	64QAM	20.00	20.16	20.03	21.50	
		HIGH	64QAM	20.28	20.30	20.10	21.50	
15		LOW	64QAM	20.00	20.20	19.96	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.96	23.11	23.23	24.50
	MID		QPSK	23.16	23.11	23.08	24.50	
	HIGH		QPSK	23.11	23.14	23.02	24.50	
	12	LOW	QPSK	22.14	22.11	21.97	23.50	
		MID	QPSK	22.26	22.01	21.89	23.50	
		HIGH	QPSK	22.09	22.00	21.75	23.50	
	25	LOW	QPSK	22.16	22.14	22.06	23.50	
	5	1	LOW	Q16	22.42	22.32	22.57	23.50
			MID	Q16	22.37	22.37	22.33	23.50
HIGH			Q16	22.32	22.41	22.36	23.50	
12		LOW	Q16	21.08	21.14	20.98	22.50	
		MID	Q16	21.09	21.22	21.14	22.50	
		HIGH	Q16	21.08	21.10	20.96	22.50	
25		LOW	Q16	21.33	21.21	21.04	22.50	
5		1	LOW	64QAM	21.30	21.52	21.46	22.50
			MID	64QAM	21.22	21.30	21.58	22.50
	HIGH		64QAM	21.45	21.56	21.33	22.50	
	12	LOW	64QAM	20.09	19.99	19.89	21.50	
		MID	64QAM	20.00	20.06	19.95	21.50	
		HIGH	64QAM	20.39	20.23	20.09	21.50	
	25	LOW	64QAM	20.39	20.11	19.79	21.50	

LTE B4-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	23.17	22.91	23.22	24.50	
		MID	QPSK	23.00	22.98	23.14	24.50	
		HIGH	QPSK	23.21	22.97	22.86	24.50	
	25	LOW	QPSK	22.30	22.19	22.08	23.50	
		MID	QPSK	22.29	22.12	22.01	23.50	
		HIGH	QPSK	22.24	22.02	21.99	23.50	
	50	LOW	QPSK	22.07	21.91	21.94	23.50	
	10	1	LOW	Q16	22.50	22.44	22.48	23.50
			MID	Q16	22.50	22.38	22.35	23.50
HIGH			Q16	22.41	22.54	22.17	23.50	
25		LOW	Q16	21.17	21.07	21.02	22.50	
		MID	Q16	21.16	21.07	21.15	22.50	
		HIGH	Q16	21.25	21.24	21.11	22.50	
50		LOW	Q16	21.27	21.01	20.94	22.50	
10		1	LOW	64QAM	21.35	21.60	21.57	22.50
			MID	64QAM	21.16	21.50	21.57	22.50
	HIGH		64QAM	21.42	21.58	21.46	22.50	
	25	LOW	64QAM	20.23	20.05	19.90	21.50	
		MID	64QAM	20.22	20.23	19.99	21.50	
		HIGH	64QAM	20.33	20.10	20.16	21.50	
	50	LOW	64QAM	19.95	20.34	19.91	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	23.12	23.07	23.08	24.50
MID			QPSK	23.01	23.08	23.15	24.50	
HIGH			QPSK	23.10	22.95	23.01	24.50	
36		LOW	QPSK	22.30	22.06	22.13	23.50	
		MID	QPSK	22.10	22.09	22.00	23.50	
		HIGH	QPSK	22.33	21.94	21.97	23.50	
75		LOW	QPSK	22.27	22.02	21.96	23.50	
15		1	LOW	Q16	22.44	22.42	22.30	23.50
			MID	Q16	22.41	22.35	22.29	23.50
	HIGH		Q16	22.26	22.47	22.26	23.50	
	36	LOW	Q16	21.11	21.05	20.88	22.50	
		MID	Q16	21.24	21.01	21.17	22.50	
		HIGH	Q16	21.33	21.13	20.91	22.50	
	75	LOW	Q16	21.23	21.04	21.11	22.50	
	15	1	LOW	64QAM	21.28	21.55	21.55	22.50
			MID	64QAM	21.33	21.54	21.62	22.50
HIGH			64QAM	21.30	21.31	21.48	22.50	
36		LOW	64QAM	19.99	20.03	19.94	21.50	
		MID	64QAM	19.98	19.96	20.04	21.50	
		HIGH	64QAM	20.26	20.21	19.91	21.50	
75		LOW	64QAM	20.14	20.32	20.01	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	23.11	23.06	23.13	24.50
	MID		QPSK	23.12	23.05	23.01	24.50	
	HIGH		QPSK	23.18	23.05	23.01	24.50	
	50	LOW	QPSK	22.17	22.04	21.99	23.50	
		MID	QPSK	22.21	22.08	22.03	23.50	
		HIGH	QPSK	22.19	22.06	21.90	23.50	
	100	LOW	QPSK	22.16	22.06	22.03	23.50	
	20	1	LOW	Q16	22.38	22.42	22.42	23.50
			MID	Q16	22.39	22.36	22.33	23.50
HIGH			Q16	22.32	22.41	22.29	23.50	
50		LOW	Q16	21.16	21.06	21.01	22.50	
		MID	Q16	21.21	21.08	21.05	22.50	
		HIGH	Q16	21.18	21.11	20.96	22.50	
100		LOW	Q16	21.18	21.07	21.00	22.50	
20		1	LOW	64QAM	21.40	21.49	21.44	22.50
			MID	64QAM	21.25	21.44	21.47	22.50
	HIGH		64QAM	21.42	21.43	21.35	22.50	
	50	LOW	64QAM	20.10	20.08	19.89	21.50	
		MID	64QAM	20.09	20.09	20.00	21.50	
		HIGH	64QAM	20.33	20.23	20.01	21.50	
	100	LOW	64QAM	19.73	19.34	19.34	21.50	

LTE B4-DS12&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.15	23.15	23.22	24.50	
		MID	QPSK	23.07	23.18	23.08	24.50	
		HIGH	QPSK	23.18	23.17	23.13	24.50	
	3	LOW	QPSK	23.00	23.01	23.00	24.50	
		MID	QPSK	23.04	22.91	23.02	24.50	
		HIGH	QPSK	23.25	23.14	22.99	24.50	
	6	LOW	QPSK	22.14	22.04	22.01	23.50	
	1.4	1	LOW	Q16	22.41	22.47	22.36	23.50
			MID	Q16	22.31	22.35	22.21	23.50
HIGH			Q16	22.21	22.54	22.17	23.50	
3		LOW	Q16	22.30	21.95	22.47	23.50	
		MID	Q16	22.32	22.40	22.28	23.50	
		HIGH	Q16	22.42	22.39	22.40	23.50	
6		LOW	Q16	21.20	20.97	20.91	22.50	
1.4		1	LOW	64QAM	21.43	21.36	21.42	22.50
			MID	64QAM	21.27	21.44	21.08	22.50
	HIGH		64QAM	21.08	21.61	21.25	22.50	
	3	LOW	64QAM	21.22	21.05	21.48	22.50	
		MID	64QAM	21.29	21.54	21.38	22.50	
		HIGH	64QAM	21.38	21.30	21.43	22.50	
	6	LOW	64QAM	20.07	20.00	19.88	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	23.11	22.95	23.17	24.50
MID			QPSK	23.04	23.11	23.08	24.50	
HIGH			QPSK	23.18	22.95	23.10	24.50	
8		LOW	QPSK	22.26	22.04	21.98	23.50	
		MID	QPSK	22.29	22.18	22.01	23.50	
		HIGH	QPSK	22.30	21.95	22.03	23.50	
15		LOW	QPSK	22.03	22.11	22.11	23.50	
3		1	LOW	Q16	22.36	22.45	22.47	23.50
			MID	Q16	22.29	22.41	22.40	23.50
	HIGH		Q16	22.31	22.43	22.42	23.50	
	8	LOW	Q16	21.21	21.21	20.97	22.50	
		MID	Q16	21.18	21.00	21.04	22.50	
		HIGH	Q16	21.13	21.01	20.93	22.50	
	15	LOW	Q16	21.25	21.21	21.03	22.50	
	3	1	LOW	64QAM	21.30	21.52	21.39	22.50
			MID	64QAM	21.27	21.29	21.42	22.50
HIGH			64QAM	21.37	21.54	21.43	22.50	
8		LOW	64QAM	20.05	20.16	20.00	21.50	
		MID	64QAM	20.00	20.16	20.03	21.50	
		HIGH	64QAM	20.28	20.30	20.10	21.50	
15		LOW	64QAM	20.00	20.20	19.96	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.96	23.11	23.23	24.50
	MID		QPSK	23.16	23.11	23.08	24.50	
	HIGH		QPSK	23.11	23.14	23.02	24.50	
	12	LOW	QPSK	22.14	22.11	21.97	23.50	
		MID	QPSK	22.26	22.01	21.89	23.50	
		HIGH	QPSK	22.09	22.00	21.75	23.50	
	25	LOW	QPSK	22.16	22.14	22.06	23.50	
	5	1	LOW	Q16	22.42	22.32	22.57	23.50
			MID	Q16	22.37	22.37	22.33	23.50
HIGH			Q16	22.32	22.41	22.36	23.50	
12		LOW	Q16	21.08	21.14	20.98	22.50	
		MID	Q16	21.09	21.22	21.14	22.50	
		HIGH	Q16	21.08	21.10	20.96	22.50	
25		LOW	Q16	21.33	21.21	21.04	22.50	
5		1	LOW	64QAM	21.30	21.52	21.46	22.50
			MID	64QAM	21.22	21.30	21.58	22.50
	HIGH		64QAM	21.45	21.56	21.33	22.50	
	12	LOW	64QAM	20.09	19.99	19.89	21.50	
		MID	64QAM	20.00	20.06	19.95	21.50	
		HIGH	64QAM	20.39	20.23	20.09	21.50	
	25	LOW	64QAM	19.32	19.34	19.79	21.50	

LTE B4-DS12&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	23.17	22.91	23.22	24.50	
		MID	QPSK	23.00	22.98	23.14	24.50	
		HIGH	QPSK	23.21	22.97	22.86	24.50	
	25	LOW	QPSK	22.30	22.19	22.08	23.50	
		MID	QPSK	22.29	22.12	22.01	23.50	
		HIGH	QPSK	22.24	22.02	21.99	23.50	
	50	LOW	QPSK	22.07	21.91	21.94	23.50	
	10	1	LOW	Q16	22.50	22.44	22.48	23.50
			MID	Q16	22.50	22.38	22.35	23.50
HIGH			Q16	22.41	22.54	22.17	23.50	
25		LOW	Q16	21.17	21.07	21.02	22.50	
		MID	Q16	21.16	21.07	21.15	22.50	
		HIGH	Q16	21.25	21.24	21.11	22.50	
50		LOW	Q16	21.27	21.01	20.94	22.50	
10		1	LOW	64QAM	21.35	21.60	21.57	22.50
			MID	64QAM	21.16	21.50	21.57	22.50
	HIGH		64QAM	21.42	21.58	21.46	22.50	
	25	LOW	64QAM	20.23	20.05	19.90	21.50	
		MID	64QAM	20.22	20.23	19.99	21.50	
		HIGH	64QAM	20.33	20.10	20.16	21.50	
	50	LOW	64QAM	19.95	20.34	19.91	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	23.12	23.07	23.08	24.50
MID			QPSK	23.01	23.08	23.15	24.50	
HIGH			QPSK	23.10	22.95	23.01	24.50	
36		LOW	QPSK	22.30	22.06	22.13	23.50	
		MID	QPSK	22.10	22.09	22.00	23.50	
		HIGH	QPSK	22.33	21.94	21.97	23.50	
75		LOW	QPSK	22.27	22.02	21.96	23.50	
15		1	LOW	Q16	22.44	22.42	22.30	23.50
			MID	Q16	22.41	22.35	22.29	23.50
	HIGH		Q16	22.26	22.47	22.26	23.50	
	36	LOW	Q16	21.11	21.05	20.88	22.50	
		MID	Q16	21.24	21.01	21.17	22.50	
		HIGH	Q16	21.33	21.13	20.91	22.50	
	75	LOW	Q16	21.23	21.04	21.11	22.50	
	15	1	LOW	64QAM	21.28	21.55	21.55	22.50
			MID	64QAM	21.33	21.54	21.62	22.50
HIGH			64QAM	21.30	21.31	21.48	22.50	
36		LOW	64QAM	19.99	20.03	19.94	21.50	
		MID	64QAM	19.98	19.96	20.04	21.50	
		HIGH	64QAM	20.26	20.21	19.91	21.50	
75		LOW	64QAM	20.14	20.32	20.01	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	23.11	23.06	23.13	24.50
	MID		QPSK	23.12	23.05	23.01	24.50	
	HIGH		QPSK	23.18	23.05	23.01	24.50	
	50	LOW	QPSK	22.17	22.04	21.99	23.50	
		MID	QPSK	22.21	22.08	22.03	23.50	
		HIGH	QPSK	22.19	22.06	21.90	23.50	
	100	LOW	QPSK	22.16	22.06	22.03	23.50	
	20	1	LOW	Q16	22.38	22.42	22.42	23.50
			MID	Q16	22.39	22.36	22.33	23.50
HIGH			Q16	22.32	22.41	22.29	23.50	
50		LOW	Q16	21.16	21.06	21.01	22.50	
		MID	Q16	21.21	21.08	21.05	22.50	
		HIGH	Q16	21.18	21.11	20.96	22.50	
100		LOW	Q16	21.18	21.07	21.00	22.50	
20		1	LOW	64QAM	21.40	21.49	21.44	22.50
			MID	64QAM	21.25	21.44	21.47	22.50
	HIGH		64QAM	21.42	21.43	21.35	22.50	
	50	LOW	64QAM	20.10	20.08	19.89	21.50	
		MID	64QAM	20.09	20.09	20.00	21.50	
		HIGH	64QAM	20.33	20.23	20.01	21.50	
	100	LOW	64QAM	19.33/19.34	20.06	20.22	19.93	21.50

LTE B4-DSI4&5 -Ant.31									
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)		
1.4	1	LOW	QPSK	20.07	20.16	20.04	21.50		
		MID	QPSK	20.14	20.09	19.87	21.50		
		HIGH	QPSK	20.23	19.98	19.93	21.50		
	3	LOW	QPSK	20.04	20.24	20.18	21.50		
		MID	QPSK	20.30	19.97	19.89	21.50		
		HIGH	QPSK	20.09	19.95	19.90	21.50		
	6	LOW	QPSK	20.29	20.01	20.00	21.50		
	1.4	1	LOW	Q16	20.58	20.39	20.26	21.50	
			MID	Q16	20.48	20.61	20.28	21.50	
HIGH			Q16	20.42	20.45	20.13	21.50		
3		LOW	Q16	20.58	20.02	20.49	21.50		
		MID	Q16	20.37	20.50	20.28	21.50		
		HIGH	Q16	20.53	20.65	20.12	21.50		
6		LOW	Q16	20.20	20.25	20.16	21.50		
1.4		1	LOW	64QAM	20.58	20.48	20.41	21.50	
			MID	64QAM	20.33	20.71	20.32	21.50	
	HIGH		64QAM	20.43	20.56	20.28	21.50		
	3	LOW	64QAM	20.50	19.96	20.38	21.50		
		MID	64QAM	20.28	20.41	20.37	21.50		
		HIGH	64QAM	20.67	20.62	20.03	21.50		
	6	LOW	64QAM	20.17	20.38	20.09	21.50		
	3	3	1	LOW	QPSK	20.24	20.05	19.99	21.50
				MID	QPSK	20.07	20.06	20.03	21.50
HIGH				QPSK	20.34	20.19	19.99	21.50	
8			LOW	QPSK	20.14	19.99	19.98	21.50	
			MID	QPSK	20.08	20.16	19.99	21.50	
			HIGH	QPSK	20.13	20.08	19.89	21.50	
15			LOW	QPSK	20.15	20.09	20.17	21.50	
3			1	LOW	Q16	20.46	20.44	20.28	21.50
				MID	Q16	20.38	20.63	20.15	21.50
		HIGH		Q16	20.49	20.36	20.29	21.50	
		8	LOW	Q16	20.29	20.17	20.09	21.50	
			MID	Q16	20.19	20.11	20.10	21.50	
			HIGH	Q16	20.12	20.11	20.04	21.50	
		15	LOW	Q16	20.13	19.97	20.07	21.50	
		3	1	LOW	64QAM	20.33	20.36	20.49	21.50
				MID	64QAM	20.15	20.54	20.13	21.50
HIGH				64QAM	20.39	20.35	20.25	21.50	
8			LOW	64QAM	19.95	20.38	20.14	21.50	
	MID		64QAM	20.27	20.10	19.81	21.50		
	HIGH		64QAM	20.36	20.24	20.12	21.50		
15	LOW		64QAM	20.35	20.13	20.25	21.50		
5	5		1	LOW	QPSK	20.12	20.06	20.06	21.50
				MID	QPSK	20.24	19.95	19.95	21.50
		HIGH		QPSK	20.23	20.22	20.09	21.50	
		12	LOW	QPSK	20.06	20.06	20.10	21.50	
			MID	QPSK	20.10	20.03	19.98	21.50	
			HIGH	QPSK	20.35	20.13	19.89	21.50	
		25	LOW	QPSK	20.14	20.19	20.01	21.50	
		5	1	LOW	Q16	20.34	20.35	20.32	21.50
				MID	Q16	20.40	20.66	20.18	21.50
	HIGH			Q16	20.41	20.48	20.24	21.50	
	12		LOW	Q16	20.15	20.09	20.20	21.50	
			MID	Q16	20.10	20.08	19.99	21.50	
			HIGH	Q16	20.16	20.09	19.99	21.50	
	25		LOW	Q16	20.34	20.12	20.16	21.50	
	5		1	LOW	64QAM	20.24	20.38	20.33	21.50
				MID	64QAM	20.20	20.36	20.18	21.50
		HIGH		64QAM	20.34	20.51	20.34	21.50	
		12	LOW	64QAM	19.98	20.10	20.26	21.50	
MID			64QAM	20.45	19.97	19.93	21.50		
HIGH			64QAM	20.34	20.33	20.03	21.50		
25		LOW	64QAM	20.34	20.33	20.34	21.50		

LTE B4-DSI4&5 -Ant.31									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	20.16	20.02	20.06	21.50		
		MID	QPSK	20.27	20.21	20.05	21.50		
		HIGH	QPSK	20.11	20.08	19.84	21.50		
	25	LOW	QPSK	20.16	20.16	20.21	21.50		
		MID	QPSK	20.24	20.03	20.19	21.50		
		HIGH	QPSK	20.12	19.95	19.88	21.50		
	50	LOW	QPSK	20.15	20.14	20.18	21.50		
	10	1	LOW	Q16	20.50	20.42	20.26	21.50	
			MID	Q16	20.24	20.41	20.25	21.50	
HIGH			Q16	20.56	20.44	20.27	21.50		
25		LOW	Q16	20.19	20.26	20.07	21.50		
		MID	Q16	20.33	20.02	20.06	21.50		
		HIGH	Q16	20.08	20.00	19.97	21.50		
50		LOW	Q16	20.19	20.09	20.02	21.50		
10		1	LOW	64QAM	20.28	20.58	20.49	21.50	
			MID	64QAM	20.18	20.51	20.35	21.50	
	HIGH		64QAM	20.56	20.49	20.32	21.50		
	25	LOW	64QAM	20.22	20.31	20.13	21.50		
		MID	64QAM	20.35	20.16	19.87	21.50		
		HIGH	64QAM	20.35	20.27	20.16	21.50		
	50	LOW	64QAM	20.38	20.07	20.20	21.50		
	15	15	1	LOW	QPSK	20.06	20.23	20.02	21.50
				MID	QPSK	20.31	20.18	19.91	21.50
HIGH				QPSK	20.22	20.12	19.93	21.50	
36			LOW	QPSK	20.33	19.93	20.16	21.50	
			MID	QPSK	20.36	20.13	20.04	21.50	
			HIGH	QPSK	20.11	19.97	19.84	21.50	
75			LOW	QPSK	20.10	20.18	19.90	21.50	
15			1	LOW	Q16	20.38	20.30	20.45	21.50
				MID	Q16	20.30	20.57	20.26	21.50
		HIGH		Q16	20.56	20.31	20.40	21.50	
		36	LOW	Q16	20.08	20.23	20.21	21.50	
			MID	Q16	20.16	20.23	20.04	21.50	
			HIGH	Q16	20.30	20.19	20.00	21.50	
		75	LOW	Q16	20.11	20.07	20.09	21.50	
		15	1	LOW	64QAM	20.23	20.53	20.50	21.50
				MID	64QAM	20.27	20.32	20.15	21.50
HIGH				64QAM	20.36	20.46	20.29	21.50	
36			LOW	64QAM	20.15	20.34	20.02	21.50	
	MID		64QAM	20.31	19.95	19.99	21.50		
	HIGH		64QAM	20.26	20.27	19.99	21.50		
75	LOW		64QAM	20.34	20.34	20.21	21.50		
20	20		1	LOW	QPSK	20.09	20.09	20.05	21.50
				MID	QPSK	20.16	20.18	20.01	21.50
		HIGH		QPSK	20.07	20.09	19.98	21.50	
		50	LOW	QPSK	20.12	20.21	20.07	21.50	
			MID	QPSK	20.16	20.23	20.05	21.50	
			HIGH	QPSK	20.11	20.22	19.96	21.50	
		100	LOW	QPSK	20.21	20.10	20.05	21.50	
		20	1	LOW	Q16	20.43	20.45	20.40	21.50
				MID	Q16	20.37	20.53	20.27	21.50
	HIGH			Q16	20.43	20.40	20.27	21.50	
	50		LOW	Q16	20.22	20.11	20.06	21.50	
			MID	Q16	20.23	20.15	20.05	21.50	
			HIGH	Q16	20.20	20.12	20.00	21.50	
	100		LOW	Q16	20.23	20.12	20.04	21.50	
	20		1	LOW	64QAM	20.29	20.45	20.39	21.50
				MID	64QAM	20.28	20.45	20.24	21.50
		HIGH		64QAM	20.49	20.48	20.37	21.50	
		50	LOW	64QAM	20.09	20.24	20.11	21.50	
MID			64QAM	20.33	20.08	19.90	21.50		
HIGH			64QAM	20.27	20.23	20.11	21.50		
100		LOW	64QAM	20.36	20.20	20.17	21.50		

LTE B4-DS18&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.26	19.23	18.99	20.50	
		MID	QPSK	19.14	19.05	18.92	20.50	
		HIGH	QPSK	19.22	19.03	19.03	20.50	
	3	LOW	QPSK	19.17	19.08	19.18	20.50	
		MID	QPSK	19.21	19.18	19.02	20.50	
		HIGH	QPSK	19.24	19.23	19.16	20.50	
	6	LOW	QPSK	19.39	19.01	19.08	20.50	
	1.4	1	LOW	Q16	19.44	19.71	19.37	20.50
			MID	Q16	19.60	19.44	19.24	20.50
HIGH			Q16	19.68	19.67	19.16	20.50	
3		LOW	Q16	19.41	19.06	19.31	20.50	
		MID	Q16	19.41	19.75	19.37	20.50	
		HIGH	Q16	19.52	19.58	19.36	20.50	
6		LOW	Q16	19.17	19.17	19.19	20.50	
1.4		1	LOW	64QAM	19.52	19.66	19.24	20.50
			MID	64QAM	19.66	19.30	19.14	20.50
	HIGH		64QAM	19.71	19.67	19.14	20.50	
	3	LOW	64QAM	19.31	19.19	19.17	20.50	
		MID	64QAM	19.52	19.85	19.48	20.50	
		HIGH	64QAM	19.43	19.50	19.33	20.50	
	6	LOW	64QAM	19.14	19.10	19.21	20.50	
	3	1	LOW	QPSK	19.07	19.07	19.09	20.50
			MID	QPSK	19.37	19.32	18.94	20.50
HIGH			QPSK	19.30	19.15	19.02	20.50	
LOW			QPSK	19.09	19.12	19.01	20.50	
MID			QPSK	19.22	19.17	19.11	20.50	
HIGH			QPSK	19.15	19.04	19.23	20.50	
8		LOW	QPSK	19.21	19.11	19.04	20.50	
		MID	Q16	19.40	19.66	19.30	20.50	
		HIGH	Q16	19.53	19.57	19.42	20.50	
3		1	LOW	Q16	19.49	19.66	19.39	20.50
			MID	Q16	19.42	19.28	19.16	20.50
			HIGH	Q16	19.25	19.28	19.10	20.50
		8	LOW	Q16	19.32	19.20	19.02	20.50
			MID	Q16	19.28	19.06	19.02	20.50
			HIGH	Q16	19.28	19.06	19.02	20.50
3	1	LOW	64QAM	19.51	19.48	19.42	20.50	
		MID	64QAM	19.34	19.51	19.30	20.50	
		HIGH	64QAM	19.44	19.59	19.18	20.50	
	8	LOW	64QAM	19.15	19.12	19.03	20.50	
		MID	64QAM	19.28	19.10	19.26	20.50	
		HIGH	64QAM	19.09	19.06	19.01	20.50	
	15	LOW	64QAM	19.20	19.16	19.02	20.50	
	5	1	LOW	QPSK	19.15	19.30	19.27	20.50
			MID	QPSK	19.16	19.21	19.16	20.50
HIGH			QPSK	19.16	19.18	19.05	20.50	
LOW			QPSK	19.17	19.12	19.26	20.50	
MID			QPSK	19.22	19.05	19.20	20.50	
HIGH			QPSK	19.36	19.25	18.94	20.50	
12		LOW	QPSK	19.30	19.22	19.28	20.50	
		MID	Q16	19.37	19.70	19.52	20.50	
		HIGH	Q16	19.46	19.65	19.38	20.50	
5		1	LOW	Q16	19.72	19.51	19.30	20.50
			MID	Q16	19.19	19.07	19.22	20.50
			HIGH	Q16	19.16	19.16	19.23	20.50
		12	LOW	Q16	19.27	19.11	18.95	20.50
			MID	Q16	19.26	19.21	19.23	20.50
			HIGH	Q16	19.26	19.21	19.23	20.50
5	1	LOW	64QAM	19.53	19.66	19.47	20.50	
		MID	64QAM	19.56	19.64	19.25	20.50	
		HIGH	64QAM	19.60	19.40	19.44	20.50	
	12	LOW	64QAM	19.24	19.29	19.03	20.50	
		MID	64QAM	19.33	19.12	19.21	20.50	
		HIGH	64QAM	19.17	19.25	19.05	20.50	
	25	LOW	64QAM	19.34	19.42	19.10	20.50	



LTE B4-DS18&9&10 -Ant.31									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	19.32	19.18	19.08	20.50		
		MID	QPSK	19.34	19.29	19.19	20.50		
		HIGH	QPSK	19.43	19.10	19.13	20.50		
	25	LOW	QPSK	19.16	19.29	19.24	20.50		
		MID	QPSK	19.38	19.21	19.16	20.50		
		HIGH	QPSK	19.21	19.21	19.23	20.50		
	50	LOW	QPSK	19.19	19.09	19.17	20.50		
	10	1	LOW	Q16	19.51	19.65	19.38	20.50	
			MID	Q16	19.37	19.64	19.31	20.50	
HIGH			Q16	19.57	19.58	19.34	20.50		
25		LOW	Q16	19.16	19.25	19.24	20.50		
		MID	Q16	19.42	19.32	19.22	20.50		
		HIGH	Q16	19.38	18.99	19.02	20.50		
50		LOW	Q16	19.22	19.07	19.26	20.50		
10		1	LOW	64QAM	19.54	19.57	19.48	20.50	
			MID	64QAM	19.50	19.42	19.28	20.50	
	HIGH		64QAM	19.70	19.35	19.20	20.50		
	25	LOW	64QAM	19.30	19.20	19.25	20.50		
		MID	64QAM	19.46	19.15	19.26	20.50		
		HIGH	64QAM	19.05	19.15	19.26	20.50		
	50	LOW	64QAM	19.34	19.24	19.18	20.50		
	15	15	1	LOW	QPSK	19.35	19.03	19.20	20.50
				MID	QPSK	19.24	19.23	18.94	20.50
HIGH				QPSK	19.24	19.10	19.15	20.50	
36			LOW	QPSK	19.14	19.10	19.02	20.50	
			MID	QPSK	19.19	19.33	19.12	20.50	
			HIGH	QPSK	19.32	19.25	19.15	20.50	
75		LOW	QPSK	19.16	19.25	19.06	20.50		
15		1	LOW	Q16	19.45	19.73	19.46	20.50	
			MID	Q16	19.57	19.52	19.20	20.50	
			HIGH	Q16	19.48	19.50	19.37	20.50	
		36	LOW	Q16	19.13	19.24	19.28	20.50	
			MID	Q16	19.19	19.33	19.24	20.50	
			HIGH	Q16	19.24	19.01	19.14	20.50	
75		LOW	Q16	19.36	19.22	19.14	20.50		
15		1	LOW	64QAM	19.55	19.50	19.29	20.50	
	MID		64QAM	19.27	19.57	19.13	20.50		
	HIGH		64QAM	19.52	19.36	19.30	20.50		
	36	LOW	64QAM	19.20	19.21	19.08	20.50		
		MID	64QAM	19.17	19.26	19.45	20.50		
		HIGH	64QAM	19.27	18.97	19.21	20.50		
	75	LOW	64QAM	19.43	19.23	19.13	20.50		
	20	20	1	LOW	QPSK	19.16	19.13	19.20	20.50
				MID	QPSK	19.17	19.07	19.22	20.50
HIGH				QPSK	19.16	19.11	19.28	20.50	
50			LOW	QPSK	19.17	19.16	19.17	20.50	
			MID	QPSK	19.18	19.18	19.29	20.50	
			HIGH	QPSK	19.12	19.09	19.28	20.50	
100		LOW	QPSK	19.29	19.15	19.15	20.50		
20		1	LOW	Q16	19.42	19.60	19.44	20.50	
			MID	Q16	19.47	19.53	19.31	20.50	
			HIGH	Q16	19.61	19.59	19.27	20.50	
		50	LOW	Q16	19.28	19.19	19.14	20.50	
			MID	Q16	19.31	19.19	19.16	20.50	
			HIGH	Q16	19.28	19.12	19.04	20.50	
100		LOW	Q16	19.26	19.16	19.11	20.50		
20		1	LOW	64QAM	19.49	19.55	19.42	20.50	
	MID		64QAM	19.41	19.52	19.18	20.50		
	HIGH		64QAM	19.57	19.47	19.29	20.50		
	50	LOW	64QAM	19.15	19.17	19.12	20.50		
		MID	64QAM	19.31	19.20	19.30	20.50		
		HIGH	64QAM	19.20	19.10	19.13	20.50		
	100	LOW	64QAM	19.31	19.11	19.04	20.50		

## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.31 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.75	22.95	23.25	24.50
		MID	QPSK	23.04	23.02	22.96	24.50
		HIGH	QPSK	22.99	22.90	22.90	24.50
	3	LOW	QPSK	23.00	22.93	23.25	24.50
		HIGH	QPSK	23.01	23.15	22.93	24.50
	6	LOW	QPSK	21.82	21.84	21.92	23.50
1.4	1	LOW	Q16	22.20	21.98	22.35	23.50
		MID	Q16	22.37	22.22	22.28	23.50
		HIGH	Q16	22.17	21.90	21.97	23.50
	3	LOW	Q16	22.20	22.10	22.20	23.50
		MID	Q16	22.16	22.31	22.26	23.50
	6	LOW	Q16	22.07	22.14	22.21	23.50
1.4	1	LOW	64QAM	20.88	21.03	20.94	22.50
		MID	64QAM	20.87	20.86	20.58	22.50
		HIGH	64QAM	21.03	20.81	21.13	22.50
	3	LOW	64QAM	20.77	21.05	20.91	22.50
		MID	64QAM	20.68	20.85	20.72	22.50
	6	HIGH	64QAM	20.92	20.86	21.04	22.50
6	LOW	64QAM	20.85	21.02	21.04	22.50	
6	LOW	64QAM	19.72	19.89	19.72	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.27	22.17	22.22	23.50
		MID	QPSK	22.98	22.90	23.24	24.50
		HIGH	QPSK	23.14	23.04	22.91	24.50
	8	LOW	QPSK	22.89	22.87	23.12	24.50
		MID	QPSK	21.78	22.03	22.22	23.50
	15	HIGH	QPSK	21.82	21.68	22.13	23.50
3	1	LOW	Q16	22.08	21.82	21.86	23.50
		MID	Q16	21.80	21.81	21.81	23.50
		HIGH	Q16	22.27	22.17	22.22	23.50
	8	LOW	Q16	22.21	22.31	22.43	23.50
		MID	Q16	22.09	22.09	22.02	23.50
	15	HIGH	Q16	22.09	22.09	22.02	23.50
3	1	LOW	Q16	21.01	20.91	20.94	22.50
		MID	Q16	21.05	21.02	21.22	22.50
		HIGH	Q16	21.05	21.02	21.22	22.50
	8	LOW	Q16	20.78	20.55	21.10	22.50
		MID	Q16	20.78	20.55	21.10	22.50
	15	HIGH	Q16	20.87	20.97	21.04	22.50
3	1	LOW	64QAM	20.88	20.80	20.84	22.50
		MID	64QAM	20.88	20.80	20.84	22.50
		HIGH	64QAM	20.94	20.93	20.98	22.50
	8	LOW	64QAM	20.63	20.91	20.85	22.50
		MID	64QAM	20.00	19.79	19.97	21.50
	15	HIGH	64QAM	19.89	19.98	19.76	21.50
15	LOW	64QAM	20.08	19.88	20.14	21.50	
15	LOW	64QAM	19.88	19.86	19.76	21.50	

LTE B4-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	22.99	22.87	23.09	24.50	
		MID	QPSK	22.89	23.09	22.94	24.50	
		HIGH	QPSK	23.08	23.05	22.90	24.50	
	12	LOW	QPSK	21.74	21.91	22.07	23.50	
		MID	QPSK	21.85	21.71	22.22	23.50	
		HIGH	QPSK	21.88	22.06	21.61	23.50	
25	LOW	QPSK	21.63	21.94	21.68	23.50		
5	1	LOW	Q16	22.34	22.14	22.18	23.50	
		MID	Q16	22.41	22.38	22.28	23.50	
		HIGH	Q16	22.28	22.13	22.10	23.50	
	12	LOW	Q16	20.82	20.82	21.03	22.50	
		MID	Q16	20.89	21.19	21.17	22.50	
		HIGH	Q16	20.64	20.66	20.87	22.50	
	25	LOW	Q16	20.80	20.94	20.94	22.50	
	5	1	LOW	64QAM	20.87	20.80	20.66	22.50
			MID	64QAM	21.05	20.87	21.15	22.50
HIGH			64QAM	20.70	21.13	20.95	22.50	
12		LOW	64QAM	19.84	19.94	20.04	21.50	
		MID	64QAM	19.90	19.71	19.56	21.50	
		HIGH	64QAM	19.94	19.92	19.93	21.50	
25		LOW	64QAM	19.86	19.99	19.84	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10		1	LOW	QPSK	22.99	23.01	23.10	24.50
	MID		QPSK	23.05	23.16	23.10	24.50	
	HIGH		QPSK	23.12	22.93	22.89	24.50	
	25	LOW	QPSK	21.86	21.88	22.08	23.50	
		MID	QPSK	21.77	21.92	22.17	23.50	
		HIGH	QPSK	22.04	21.95	21.74	23.50	
50	LOW	QPSK	21.60	21.99	21.73	23.50		
10	1	LOW	Q16	22.30	22.01	22.20	23.50	
		MID	Q16	22.31	22.31	22.15	23.50	
		HIGH	Q16	22.14	21.89	22.09	23.50	
	25	LOW	Q16	20.85	20.94	21.08	22.50	
		MID	Q16	20.87	20.96	21.07	22.50	
		HIGH	Q16	20.66	20.56	21.05	22.50	
	50	LOW	Q16	20.93	20.87	20.84	22.50	
	10	1	LOW	64QAM	20.93	20.76	20.80	22.50
			MID	64QAM	20.98	21.02	20.88	22.50
HIGH			64QAM	20.80	21.01	20.94	22.50	
25		LOW	64QAM	19.79	19.90	19.86	21.50	
		MID	64QAM	19.81	19.91	19.62	21.50	
		HIGH	64QAM	20.09	20.15	20.17	21.50	
50		LOW	64QAM	19.76	19.98	19.79	21.50	

LTE B4-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	22.84	22.88	23.00	24.50	
		MID	QPSK	23.18	23.09	23.11	24.50	
		HIGH	QPSK	22.99	23.06	22.94	24.50	
	36	LOW	QPSK	21.74	21.95	22.10	23.50	
		MID	QPSK	21.70	21.85	22.17	23.50	
		HIGH	QPSK	21.97	21.98	21.68	23.50	
75	LOW	QPSK	21.66	22.03	21.97	23.50		
15	1	LOW	Q16	22.06	21.99	22.26	23.50	
		MID	Q16	22.32	22.22	22.38	23.50	
		HIGH	Q16	22.35	21.93	22.25	23.50	
	36	LOW	Q16	21.09	20.95	21.03	22.50	
		MID	Q16	20.90	21.02	21.22	22.50	
		HIGH	Q16	20.60	20.59	21.10	22.50	
	75	LOW	Q16	20.81	20.99	21.07	22.50	
	15	1	LOW	64QAM	20.94	20.73	20.56	22.50
			MID	64QAM	21.06	20.83	21.17	22.50
HIGH			64QAM	20.64	21.04	21.01	22.50	
36		LOW	64QAM	20.01	19.87	19.87	21.50	
		MID	64QAM	19.89	19.94	19.63	21.50	
		HIGH	64QAM	20.12	19.91	19.89	21.50	
75		LOW	64QAM	19.73	20.08	19.92	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	22.89	22.98	23.13	24.50
	MID		QPSK	23.04	23.04	22.97	24.50	
	HIGH		QPSK	22.97	22.95	23.02	24.50	
	50	LOW	QPSK	21.88	21.91	22.11	23.50	
		MID	QPSK	21.72	21.77	22.10	23.50	
		HIGH	QPSK	21.97	21.92	21.71	23.50	
100	LOW	QPSK	21.70	21.90	21.82	23.50		
20	1	LOW	Q16	22.20	22.12	22.22	23.50	
		MID	Q16	22.26	22.26	22.30	23.50	
		HIGH	Q16	22.20	21.99	22.12	23.50	
	50	LOW	Q16	20.97	20.89	21.08	22.50	
		MID	Q16	20.94	21.05	21.07	22.50	
		HIGH	Q16	20.73	20.70	21.02	22.50	
	100	LOW	Q16	20.90	20.98	20.98	22.50	
	20	1	LOW	64QAM	20.82	20.86	20.69	22.50
			MID	64QAM	21.06	20.91	21.02	22.50
HIGH			64QAM	20.75	21.02	20.91	22.50	
50		LOW	64QAM	19.92	19.89	20.00	21.50	
		MID	64QAM	19.76	19.84	19.70	21.50	
		HIGH	64QAM	20.09	20.02	20.04	21.50	
100		LOW	64QAM	19.77	19.95	19.79	21.50	

LTE B4-DSI2&3 -Ant.31 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	22.75	22.95	23.25	24.50
		MID	QPSK	23.04	23.02	22.96	24.50
		HIGH	QPSK	22.99	22.90	22.90	24.50
	3	LOW	QPSK	23.00	22.93	23.25	24.50
		HIGH	QPSK	23.01	23.15	22.93	24.50
	6	LOW	QPSK	21.82	21.84	21.92	23.50
1.4	1	LOW	Q16	22.20	21.98	22.35	23.50
		MID	Q16	22.37	22.22	22.28	23.50
		HIGH	Q16	22.17	21.90	21.97	23.50
	3	LOW	Q16	22.20	22.10	22.20	23.50
		MID	Q16	22.16	22.31	22.26	23.50
	6	HIGH	Q16	22.07	22.14	22.21	23.50
1.4	1	LOW	64QAM	20.87	20.86	20.58	22.50
		MID	64QAM	21.03	20.81	21.13	22.50
		HIGH	64QAM	20.77	21.05	20.91	22.50
	3	LOW	64QAM	20.68	20.85	20.72	22.50
		MID	64QAM	20.92	20.86	21.04	22.50
	6	HIGH	64QAM	20.85	21.02	21.04	22.50
1.4	1	LOW	64QAM	19.72	19.89	19.72	21.50
		MID	64QAM	19.72	19.89	19.72	21.50
		HIGH	64QAM	19.72	19.89	19.72	21.50
	3	LOW	64QAM	19.72	19.89	19.72	21.50
		MID	64QAM	19.72	19.89	19.72	21.50
	6	HIGH	64QAM	19.72	19.89	19.72	21.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	22.98	22.90	23.24	24.50
		MID	QPSK	23.14	23.04	22.91	24.50
		HIGH	QPSK	22.89	22.87	23.12	24.50
	8	LOW	QPSK	21.78	22.03	22.22	23.50
		MID	QPSK	21.82	21.68	22.13	23.50
	15	HIGH	QPSK	22.08	21.82	21.86	23.50
3	1	LOW	Q16	22.27	22.17	22.22	23.50
		MID	Q16	22.21	22.31	22.43	23.50
		HIGH	Q16	22.09	22.09	22.02	23.50
	8	LOW	Q16	21.01	20.91	20.94	22.50
		MID	Q16	21.05	21.02	21.22	22.50
	15	HIGH	Q16	20.78	20.55	21.10	22.50
3	1	LOW	Q16	20.87	20.97	21.04	22.50
		MID	Q16	20.87	20.97	21.04	22.50
		HIGH	Q16	20.87	20.97	21.04	22.50
	8	LOW	64QAM	20.88	20.80	20.84	22.50
		MID	64QAM	20.94	20.93	20.98	22.50
	15	HIGH	64QAM	20.63	20.91	20.85	22.50
3	1	LOW	64QAM	20.00	19.79	19.97	21.50
		MID	64QAM	20.00	19.79	19.97	21.50
		HIGH	64QAM	20.00	19.79	19.97	21.50
	8	LOW	64QAM	19.89	19.98	19.76	21.50
		MID	64QAM	19.89	19.98	19.76	21.50
	15	HIGH	64QAM	20.08	19.88	20.14	21.50
3	1	LOW	64QAM	19.88	19.86	19.76	21.50
		MID	64QAM	19.88	19.86	19.76	21.50
		HIGH	64QAM	19.88	19.86	19.76	21.50
	8	LOW	64QAM	19.88	19.86	19.76	21.50
		MID	64QAM	19.88	19.86	19.76	21.50
	15	HIGH	64QAM	19.88	19.86	19.76	21.50

LTE B4-DSI2&3 -Ant.31 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.99	22.87	23.09	24.50
		MID	QPSK	22.89	23.09	22.94	24.50
		HIGH	QPSK	23.08	23.05	22.90	24.50
	12	LOW	QPSK	21.74	21.91	22.07	23.50
		MID	QPSK	21.85	21.71	22.22	23.50
		HIGH	QPSK	21.88	22.06	21.61	23.50
25	LOW	QPSK	21.63	21.94	21.68	23.50	
5	1	LOW	Q16	22.34	22.14	22.18	23.50
		MID	Q16	22.41	22.38	22.28	23.50
		HIGH	Q16	22.28	22.13	22.10	23.50
	12	LOW	Q16	20.82	20.82	21.03	22.50
		MID	Q16	20.89	21.19	21.17	22.50
		HIGH	Q16	20.64	20.66	20.87	22.50
25	LOW	Q16	20.80	20.94	20.94	22.50	
5	1	LOW	64QAM	20.87	20.80	20.66	22.50
		MID	64QAM	21.05	20.87	21.15	22.50
		HIGH	64QAM	20.70	21.13	20.95	22.50
	12	LOW	64QAM	19.84	19.94	20.04	21.50
		MID	64QAM	19.90	19.71	19.56	21.50
		HIGH	64QAM	19.94	19.92	19.93	21.50
25	LOW	64QAM	19.86	19.99	19.84	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.99	23.01	23.10	24.50
		MID	QPSK	23.05	23.16	23.10	24.50
		HIGH	QPSK	23.12	22.93	22.89	24.50
	25	LOW	QPSK	21.86	21.88	22.08	23.50
		MID	QPSK	21.77	21.92	22.17	23.50
		HIGH	QPSK	22.04	21.95	21.74	23.50
50	LOW	QPSK	21.60	21.99	21.73	23.50	
10	1	LOW	Q16	22.30	22.01	22.20	23.50
		MID	Q16	22.31	22.31	22.15	23.50
		HIGH	Q16	22.14	21.89	22.09	23.50
	25	LOW	Q16	20.85	20.94	21.08	22.50
		MID	Q16	20.87	20.96	21.07	22.50
		HIGH	Q16	20.66	20.56	21.05	22.50
50	LOW	Q16	20.93	20.87	20.84	22.50	
10	1	LOW	64QAM	20.93	20.76	20.80	22.50
		MID	64QAM	20.98	21.02	20.88	22.50
		HIGH	64QAM	20.80	21.01	20.94	22.50
	25	LOW	64QAM	19.79	19.90	19.86	21.50
		MID	64QAM	19.81	19.91	19.62	21.50
		HIGH	64QAM	20.09	20.15	20.17	21.50
50	LOW	64QAM	19.76	19.98	19.79	21.50	

LTE B4-DSI2&3 -Ant.31 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.84	22.88	23.00	24.50
		MID	QPSK	23.18	23.09	23.11	24.50
		HIGH	QPSK	22.99	23.06	22.94	24.50
	36	LOW	QPSK	21.74	21.95	22.10	23.50
		MID	QPSK	21.70	21.85	22.17	23.50
		HIGH	QPSK	21.97	21.98	21.68	23.50
75	LOW	QPSK	21.66	22.03	21.97	23.50	
15	1	LOW	Q16	22.06	21.99	22.26	23.50
		MID	Q16	22.32	22.22	22.38	23.50
		HIGH	Q16	22.35	21.93	22.25	23.50
	36	LOW	Q16	21.09	20.95	21.03	22.50
		MID	Q16	20.90	21.02	21.22	22.50
		HIGH	Q16	20.60	20.59	21.10	22.50
75	LOW	Q16	20.81	20.99	21.07	22.50	
15	1	LOW	64QAM	20.94	20.73	20.56	22.50
		MID	64QAM	21.06	20.83	21.17	22.50
		HIGH	64QAM	20.64	21.04	21.01	22.50
	36	LOW	64QAM	20.01	19.87	19.87	21.50
		MID	64QAM	19.89	19.94	19.63	21.50
		HIGH	64QAM	20.12	19.91	19.89	21.50
75	LOW	64QAM	19.73	20.08	19.92	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.89	22.98	23.13	24.50
		MID	QPSK	23.04	23.04	22.97	24.50
		HIGH	QPSK	22.97	22.95	23.02	24.50
	50	LOW	QPSK	21.88	21.91	22.11	23.50
		MID	QPSK	21.72	21.77	22.10	23.50
		HIGH	QPSK	21.97	21.92	21.71	23.50
100	LOW	QPSK	21.70	21.90	21.82	23.50	
20	1	LOW	Q16	22.20	22.12	22.22	23.50
		MID	Q16	22.26	22.26	22.30	23.50
		HIGH	Q16	22.20	21.99	22.12	23.50
	50	LOW	Q16	20.97	20.89	21.08	22.50
		MID	Q16	20.94	21.05	21.07	22.50
		HIGH	Q16	20.73	20.70	21.02	22.50
100	LOW	Q16	20.90	20.98	20.98	22.50	
20	1	LOW	64QAM	20.82	20.86	20.69	22.50
		MID	64QAM	21.06	20.91	21.02	22.50
		HIGH	64QAM	20.75	21.02	20.91	22.50
	50	LOW	64QAM	19.92	19.89	20.00	21.50
		MID	64QAM	19.76	19.84	19.70	21.50
		HIGH	64QAM	20.09	20.02	20.04	21.50
100	LOW	64QAM	19.77	19.95	19.79	21.50	

LTE B4-DS14 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.48	20.37	20.56	21.50	
		MID	QPSK	20.77	20.64	20.61	21.50	
		HIGH	QPSK	20.46	20.46	20.28	21.50	
	3	LOW	QPSK	20.62	20.46	20.48	21.50	
		MID	QPSK	20.65	20.53	20.45	21.50	
	HIGH	QPSK	20.38	20.60	20.32	21.50		
1.4	1	LOW	Q16	20.62	20.76	20.80	21.50	
		MID	Q16	20.31	20.50	20.83	21.50	
		HIGH	Q16	20.49	20.73	20.49	21.50	
	3	LOW	Q16	20.66	20.76	20.68	21.50	
		MID	Q16	20.55	20.69	20.95	21.50	
		HIGH	Q16	20.48	20.92	20.52	21.50	
	6	LOW	Q16	20.58	20.33	20.59	21.50	
	1.4	1	LOW	64QAM	20.57	20.33	20.53	21.50
			MID	64QAM	20.25	20.07	20.59	21.50
HIGH			64QAM	20.48	20.40	20.21	21.50	
3		LOW	64QAM	20.48	20.31	20.36	21.50	
		MID	64QAM	20.02	20.01	20.61	21.50	
		HIGH	64QAM	20.30	20.46	20.27	21.50	
6	LOW	64QAM	20.13	19.88	19.84	21.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)	
3	1	LOW	QPSK	20.69	20.35	20.51	21.50	
		MID	QPSK	20.78	20.57	20.53	21.50	
		HIGH	QPSK	20.49	20.61	20.53	21.50	
	8	LOW	QPSK	20.68	20.33	20.37	21.50	
		MID	QPSK	20.26	20.61	20.22	21.50	
	HIGH	QPSK	20.16	20.53	20.50	21.50		
15	LOW	QPSK	20.53	20.33	20.43	21.50		
3	1	LOW	Q16	20.63	20.78	20.74	21.50	
		MID	Q16	20.42	20.51	20.87	21.50	
		HIGH	Q16	20.48	20.79	20.46	21.50	
	8	LOW	Q16	20.29	20.46	20.52	21.50	
		MID	Q16	20.40	20.46	20.45	21.50	
	HIGH	Q16	20.60	20.48	20.59	21.50		
15	LOW	Q16	20.70	20.32	20.55	21.50		
3	1	LOW	64QAM	20.50	20.34	20.42	21.50	
		MID	64QAM	20.23	20.12	20.60	21.50	
		HIGH	64QAM	20.38	20.39	20.34	21.50	
	8	LOW	64QAM	19.85	19.96	19.91	21.50	
		MID	64QAM	19.61	19.79	19.77	21.50	
		HIGH	64QAM	20.04	19.97	19.92	21.50	
15	LOW	64QAM	20.07	19.99	19.85	21.50		



LTE B4-DS14 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	20.70	20.57	20.58	21.50	
		MID	QPSK	20.62	20.51	20.63	21.50	
		HIGH	QPSK	20.44	20.43	20.29	21.50	
	12	LOW	QPSK	20.54	20.41	20.55	21.50	
		MID	QPSK	20.20	20.57	20.48	21.50	
		HIGH	QPSK	20.14	20.59	20.42	21.50	
	25	LOW	QPSK	20.51	20.38	20.32	21.50	
	5	1	LOW	Q16	20.59	20.64	20.64	21.50
			MID	Q16	20.34	20.60	20.83	21.50
HIGH			Q16	20.74	20.75	20.58	21.50	
12		LOW	Q16	20.35	20.48	20.42	21.50	
		MID	Q16	20.41	20.40	20.48	21.50	
		HIGH	Q16	20.57	20.65	20.44	21.50	
25		LOW	Q16	20.48	20.43	20.79	21.50	
5		1	LOW	64QAM	20.61	20.23	20.35	21.50
			MID	64QAM	20.28	20.13	20.33	21.50
	HIGH		64QAM	20.46	20.42	20.33	21.50	
	12	LOW	64QAM	19.75	19.78	19.94	21.50	
		MID	64QAM	19.67	19.73	19.83	21.50	
		HIGH	64QAM	20.01	20.22	19.95	21.50	
	25	LOW	64QAM	20.14	20.13	19.88	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	20.75	20.61	20.61	21.50
MID			QPSK	20.76	20.46	20.48	21.50	
HIGH			QPSK	20.52	20.67	20.34	21.50	
25		LOW	QPSK	20.51	20.55	20.39	21.50	
		MID	QPSK	20.31	20.55	20.45	21.50	
		HIGH	QPSK	20.30	20.49	20.55	21.50	
50		LOW	QPSK	20.73	20.42	20.41	21.50	
10		1	LOW	Q16	20.66	20.60	20.64	21.50
			MID	Q16	20.57	20.57	20.96	21.50
	HIGH		Q16	20.54	20.66	20.57	21.50	
	25	LOW	Q16	20.32	20.62	20.48	21.50	
		MID	Q16	20.56	20.30	20.56	21.50	
		HIGH	Q16	20.58	20.62	20.61	21.50	
	50	LOW	Q16	20.58	20.49	20.66	21.50	
	10	1	LOW	64QAM	20.41	20.21	20.33	21.50
			MID	64QAM	20.30	19.99	20.61	21.50
HIGH			64QAM	20.36	20.42	20.33	21.50	
25		LOW	64QAM	19.86	20.04	19.86	21.50	
		MID	64QAM	19.89	19.55	19.89	21.50	
		HIGH	64QAM	19.83	19.95	19.93	21.50	
50		LOW	64QAM	20.12	19.90	19.90	21.50	

LTE B4-DS14 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	20.51	20.37	20.72	21.50	
		MID	QPSK	20.73	20.44	20.53	21.50	
		HIGH	QPSK	20.32	20.60	20.41	21.50	
	36	LOW	QPSK	20.70	20.36	20.47	21.50	
		MID	QPSK	20.38	20.61	20.41	21.50	
		HIGH	QPSK	20.38	20.66	20.41	21.50	
15	1	LOW	Q16	20.60	20.73	20.57	21.50	
		MID	Q16	20.59	20.39	20.70	21.50	
		HIGH	Q16	20.74	20.89	20.44	21.50	
	36	LOW	Q16	20.48	20.51	20.51	21.50	
		MID	Q16	20.28	20.28	20.46	21.50	
		HIGH	Q16	20.50	20.35	20.72	21.50	
		75	LOW	Q16	20.72	20.35	20.84	21.50
	15	1	LOW	64QAM	20.49	20.21	20.45	21.50
			MID	64QAM	20.06	20.07	20.61	21.50
HIGH			64QAM	20.32	20.43	20.42	21.50	
36		LOW	64QAM	19.64	19.74	19.76	21.50	
		MID	64QAM	19.61	19.54	19.89	21.50	
		HIGH	64QAM	19.92	20.21	19.90	21.50	
		75	LOW	64QAM	19.97	20.01	19.88	21.50
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	20.61	20.50	20.58	21.50
	MID		QPSK	20.70	20.56	20.50	21.50	
	HIGH		QPSK	20.46	20.53	20.39	21.50	
	50	LOW	QPSK	20.59	20.45	20.41	21.50	
		MID	QPSK	20.34	20.58	20.35	21.50	
		HIGH	QPSK	20.29	20.59	20.49	21.50	
	100	LOW	QPSK	20.59	20.42	20.34	21.50	
20	1	LOW	Q16	20.60	20.64	20.68	21.50	
		MID	Q16	20.45	20.54	20.82	21.50	
		HIGH	Q16	20.60	20.77	20.48	21.50	
	50	LOW	Q16	20.35	20.52	20.44	21.50	
		MID	Q16	20.41	20.39	20.60	21.50	
		HIGH	Q16	20.48	20.50	20.58	21.50	
		100	LOW	Q16	20.57	20.47	20.69	21.50
	20	1	LOW	64QAM	20.50	20.33	20.45	21.50
			MID	64QAM	20.15	20.13	20.48	21.50
HIGH			64QAM	20.36	20.50	20.35	21.50	
50		LOW	64QAM	19.73	19.89	19.84	21.50	
		MID	64QAM	19.74	19.69	19.82	21.50	
		HIGH	64QAM	19.94	20.08	19.83	21.50	
		100	LOW	64QAM	20.08	20.03	19.99	21.50

LTE B4-DSI8&9&10 -Ant.31 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.34	19.55	19.58	20.50
		MID	QPSK	19.86	19.54	19.75	20.50
		HIGH	QPSK	19.63	19.35	19.46	20.50
	3	LOW	QPSK	19.47	19.45	19.56	20.50
		HIGH	QPSK	19.61	19.53	19.61	20.50
	6	LOW	QPSK	19.42	19.48	19.33	20.50
1.4	1	LOW	Q16	19.89	19.84	19.68	20.50
		MID	Q16	19.82	19.70	19.69	20.50
		HIGH	Q16	19.88	19.88	19.74	20.50
	3	LOW	Q16	20.01	19.88	19.77	20.50
		MID	Q16	19.97	19.64	19.74	20.50
	6	LOW	Q16	19.82	19.66	19.87	20.50
1.4	1	LOW	64QAM	19.45	19.56	19.20	20.50
		MID	64QAM	19.46	19.56	19.54	20.50
		HIGH	64QAM	19.21	19.57	19.68	20.50
	3	LOW	64QAM	19.45	19.52	19.35	20.50
		MID	64QAM	19.50	19.42	19.42	20.50
	6	HIGH	64QAM	19.30	19.60	19.60	20.50
6	LOW	64QAM	19.55	19.23	19.68	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.39	19.68	19.53	20.50
		MID	QPSK	19.69	19.49	19.50	20.50
		HIGH	QPSK	19.52	19.39	19.30	20.50
	8	LOW	QPSK	19.46	19.52	19.58	20.50
		HIGH	QPSK	19.58	19.63	19.55	20.50
	15	LOW	QPSK	19.51	19.58	19.47	20.50
3	1	LOW	Q16	19.28	19.35	19.35	20.50
		MID	Q16	19.91	19.83	19.83	20.50
		HIGH	Q16	19.80	19.77	19.98	20.50
	8	LOW	Q16	19.82	19.73	19.63	20.50
		HIGH	Q16	19.20	19.40	19.50	20.50
	15	LOW	Q16	19.40	19.27	19.39	20.50
3	1	LOW	64QAM	19.26	19.40	19.43	20.50
		MID	64QAM	19.34	19.49	19.46	20.50
		HIGH	64QAM	19.34	19.54	19.20	20.50
	8	LOW	64QAM	19.62	19.61	19.48	20.50
		HIGH	64QAM	19.45	19.53	19.65	20.50
	15	LOW	64QAM	19.35	19.45	19.19	20.50
3	8	MID	64QAM	19.20	19.41	19.23	20.50
		HIGH	64QAM	19.31	19.74	19.31	20.50
	15	LOW	64QAM	19.31	19.74	19.31	20.50
15	LOW	64QAM	19.39	19.39	19.48	20.50	

LTE B4-DSI8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	19.55	19.63	19.58	20.50	
		MID	QPSK	19.76	19.69	19.60	20.50	
		HIGH	QPSK	19.46	19.65	19.42	20.50	
	12	LOW	QPSK	19.60	19.54	19.63	20.50	
		HIGH	QPSK	19.57	19.35	19.57	20.50	
	25	LOW	QPSK	19.43	19.49	19.14	20.50	
5	1	LOW	Q16	19.98	19.68	19.95	20.50	
		MID	Q16	19.88	19.78	19.94	20.50	
		HIGH	Q16	19.89	19.66	19.80	20.50	
	12	LOW	Q16	19.27	19.31	19.69	20.50	
		MID	Q16	19.50	19.22	19.21	20.50	
	25	HIGH	Q16	19.41	19.43	19.41	20.50	
5	1	LOW	64QAM	19.38	19.52	19.13	20.50	
		MID	64QAM	19.64	19.54	19.54	20.50	
		HIGH	64QAM	19.46	19.62	19.64	20.50	
	12	LOW	64QAM	19.25	19.41	19.35	20.50	
		MID	64QAM	19.20	19.54	19.30	20.50	
	25	HIGH	64QAM	19.35	19.74	19.54	20.50	
10	10	1	LOW	20000	20175	20350	Tune-up power(dBm)	
			MID	20000	20175	20350	Tune-up power(dBm)	
			HIGH	20000	20175	20350	Tune-up power(dBm)	
		25	LOW	QPSK	19.42	19.40	19.56	20.50
			HIGH	QPSK	19.55	19.36	19.32	20.50
		50	LOW	QPSK	19.34	19.45	19.35	20.50
	10	1	LOW	Q16	19.75	19.75	19.92	20.50
			MID	Q16	19.88	19.63	19.86	20.50
			HIGH	Q16	19.90	19.67	19.70	20.50
		25	LOW	Q16	19.24	19.42	19.64	20.50
			HIGH	Q16	19.47	19.15	19.33	20.50
		50	LOW	Q16	19.29	19.40	19.37	20.50
10	1	LOW	64QAM	19.18	19.50	19.59	20.50	
		MID	64QAM	19.50	19.45	19.18	20.50	
		HIGH	64QAM	19.65	19.55	19.55	20.50	
	25	LOW	64QAM	19.25	19.34	19.63	20.50	
		HIGH	64QAM	19.20	19.40	19.38	20.50	
	50	LOW	64QAM	19.42	19.56	19.12	20.50	
10	1	LOW	64QAM	19.18	19.67	19.48	20.50	
		MID	64QAM	19.32	19.20	19.46	20.50	
		HIGH	64QAM	19.32	19.20	19.46	20.50	
	25	LOW	64QAM	19.32	19.20	19.46	20.50	
		HIGH	64QAM	19.32	19.20	19.46	20.50	
	50	LOW	64QAM	19.32	19.20	19.46	20.50	

LTE B4-DSI8&9&10 -Ant.31 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.34	19.54	19.45	20.50
		MID	QPSK	19.82	19.44	19.56	20.50
		HIGH	QPSK	19.62	19.36	19.51	20.50
	36	LOW	QPSK	19.54	19.45	19.50	20.50
		HIGH	QPSK	19.39	19.59	19.48	20.50
	75	LOW	QPSK	19.30	19.42	19.23	20.50
15	1	LOW	Q16	19.81	19.63	19.90	20.50
		MID	Q16	19.84	19.72	19.72	20.50
		HIGH	Q16	19.83	19.86	19.86	20.50
	36	LOW	Q16	19.22	19.57	19.47	20.50
		MID	Q16	19.54	19.07	19.50	20.50
	75	HIGH	Q16	19.43	19.36	19.50	20.50
15	1	LOW	64QAM	19.40	19.50	19.31	20.50
		MID	64QAM	19.59	19.55	19.64	20.50
		HIGH	64QAM	19.44	19.41	19.56	20.50
	36	LOW	64QAM	19.18	19.36	19.43	20.50
		MID	64QAM	19.27	19.57	19.37	20.50
	75	HIGH	64QAM	19.31	19.55	19.48	20.50
15	75	LOW	64QAM	19.44	19.38	19.51	20.50
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300
20	1	LOW	QPSK	19.47	19.54	19.58	20.50
		MID	QPSK	19.71	19.59	19.61	20.50
		HIGH	QPSK	19.49	19.50	19.44	20.50
	50	LOW	QPSK	19.46	19.44	19.62	20.50
		MID	QPSK	19.45	19.49	19.47	20.50
	100	HIGH	QPSK	19.41	19.46	19.56	20.50
20	1	LOW	Q16	19.36	19.44	19.29	20.50
		MID	Q16	19.86	19.75	19.82	20.50
		HIGH	Q16	19.87	19.76	19.83	20.50
	50	LOW	Q16	19.84	19.76	19.75	20.50
		MID	Q16	19.27	19.42	19.62	20.50
	100	HIGH	Q16	19.54	19.22	19.36	20.50
20	1	LOW	Q16	19.29	19.41	19.47	20.50
		MID	Q16	19.32	19.54	19.61	20.50
		HIGH	Q16	19.32	19.54	19.61	20.50
	50	LOW	Q16	19.37	19.47	19.28	20.50
		MID	Q16	19.61	19.49	19.56	20.50
	100	HIGH	Q16	19.35	19.49	19.53	20.50
20	1	LOW	64QAM	19.37	19.47	19.28	20.50
		MID	64QAM	19.61	19.49	19.56	20.50
		HIGH	64QAM	19.35	19.49	19.53	20.50
	50	LOW	64QAM	19.31	19.42	19.32	20.50
		MID	64QAM	19.28	19.52	19.24	20.50
	100	HIGH	64QAM	19.29	19.62	19.40	20.50
20	100	LOW	64QAM	19.45	19.35	19.55	20.50

## 8.3.2 LTE Band4 Output Power(UL Inter CA)

LTE B4-Full Power -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	21.19	21.06	20.71	22.50
		MID	QPSK	20.78	20.91	20.99	22.50
		HIGH	QPSK	20.92	21.21	21.17	22.50
	3	LOW	QPSK	21.00	21.11	20.84	22.50
		HIGH	QPSK	20.93	20.85	21.09	22.50
	6	LOW	QPSK	19.83	20.20	19.92	21.50
1.4	1	LOW	Q16	20.08	20.15	20.24	21.50
		MID	Q16	20.09	19.91	19.87	21.50
		HIGH	Q16	20.03	20.06	19.97	21.50
	3	LOW	Q16	19.87	20.09	20.17	21.50
		MID	Q16	20.11	19.84	20.04	21.50
	6	LOW	Q16	20.07	20.04	19.94	21.50
1.4	1	LOW	64QAM	18.89	19.00	19.03	20.50
		MID	64QAM	18.80	19.23	19.06	20.50
		HIGH	64QAM	19.07	19.03	18.84	20.50
	3	LOW	64QAM	19.09	19.11	18.86	20.50
		MID	64QAM	19.04	19.17	19.20	20.50
	6	LOW	64QAM	19.18	19.07	18.82	20.50
1.4	1	LOW	64QAM	18.99	18.99	18.87	20.50
		MID	64QAM	18.04	17.98	17.94	19.50
		HIGH	64QAM	18.04	17.98	17.94	19.50
	3	LOW	64QAM	18.04	17.98	17.94	19.50
		MID	64QAM	18.04	17.98	17.94	19.50
	6	LOW	64QAM	18.04	17.98	17.94	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.27	20.95	20.74	22.50
		MID	QPSK	20.90	20.88	20.98	22.50
		HIGH	QPSK	20.97	21.05	21.03	22.50
	8	LOW	QPSK	19.83	19.96	20.00	21.50
		MID	QPSK	20.05	19.92	20.21	21.50
	15	HIGH	QPSK	19.82	20.19	20.08	21.50
3	1	LOW	Q16	19.85	20.25	19.98	21.50
		MID	Q16	19.89	20.11	20.09	21.50
		HIGH	Q16	20.03	19.93	20.01	21.50
	8	LOW	Q16	19.89	19.88	20.16	21.50
		MID	Q16	18.92	19.28	18.76	20.50
	15	HIGH	Q16	18.92	19.28	18.76	20.50
3	1	LOW	Q16	19.07	19.06	18.97	20.50
		MID	Q16	18.90	19.02	18.94	20.50
		HIGH	Q16	18.90	19.02	18.94	20.50
	8	LOW	Q16	18.97	19.04	19.04	20.50
		MID	Q16	18.97	19.04	19.04	20.50
	15	HIGH	Q16	18.97	19.04	19.04	20.50
3	1	LOW	64QAM	18.91	19.22	18.96	20.50
		MID	64QAM	19.23	19.15	18.78	20.50
		HIGH	64QAM	19.03	19.06	18.82	20.50
	8	LOW	64QAM	18.09	18.06	18.08	19.50
		MID	64QAM	18.07	18.03	18.16	19.50
	15	HIGH	64QAM	18.14	18.13	17.80	19.50
15	LOW	64QAM	17.92	18.05	17.98	19.50	

LTE B4-Full Power -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	21.26	20.84	20.73	22.50
		MID	QPSK	20.84	20.91	21.09	22.50
		HIGH	QPSK	20.95	20.99	20.99	22.50
	12	LOW	QPSK	19.97	19.97	20.03	21.50
		MID	QPSK	20.13	20.01	20.05	21.50
		HIGH	QPSK	19.82	20.18	19.91	21.50
25	LOW	QPSK	19.80	19.99	19.93	21.50	
5	1	LOW	Q16	19.85	20.16	20.18	21.50
		MID	Q16	19.95	19.93	20.05	21.50
		HIGH	Q16	20.10	20.04	19.94	21.50
	12	LOW	Q16	19.13	18.99	18.77	20.50
		MID	Q16	19.05	19.08	18.78	20.50
		HIGH	Q16	19.12	18.80	19.09	20.50
25	LOW	Q16	18.87	18.92	18.93	20.50	
5	1	LOW	64QAM	18.91	19.29	19.06	20.50
		MID	64QAM	19.08	19.11	19.06	20.50
		HIGH	64QAM	18.97	19.17	18.76	20.50
	12	LOW	64QAM	18.05	17.96	18.12	19.50
		MID	64QAM	18.27	18.14	17.97	19.50
		HIGH	64QAM	18.05	17.99	18.06	19.50
25	LOW	64QAM	17.88	17.82	17.94	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	21.10	20.82	20.85	22.50
		MID	QPSK	20.93	21.01	21.07	22.50
		HIGH	QPSK	21.14	21.15	20.98	22.50
	25	LOW	QPSK	19.98	20.10	20.23	21.50
		MID	QPSK	20.08	19.92	20.22	21.50
		HIGH	QPSK	19.84	19.89	19.91	21.50
50	LOW	QPSK	20.04	20.03	19.75	21.50	
10	1	LOW	Q16	19.94	20.03	20.23	21.50
		MID	Q16	20.12	19.81	20.03	21.50
		HIGH	Q16	19.98	19.94	20.21	21.50
	25	LOW	Q16	19.05	19.25	18.91	20.50
		MID	Q16	19.14	18.86	19.06	20.50
		HIGH	Q16	18.89	18.95	19.01	20.50
50	LOW	Q16	18.99	19.17	19.10	20.50	
10	1	LOW	64QAM	19.02	19.02	18.99	20.50
		MID	64QAM	19.05	18.95	18.83	20.50
		HIGH	64QAM	19.02	19.01	18.96	20.50
	25	LOW	64QAM	17.97	18.15	18.19	19.50
		MID	64QAM	18.19	18.00	17.96	19.50
		HIGH	64QAM	18.00	18.04	17.89	19.50
50	LOW	64QAM	17.83	17.83	17.79	19.50	

LTE B4-Full Power -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	21.18	20.89	20.87	22.50
		MID	QPSK	21.01	20.79	21.00	22.50
		HIGH	QPSK	21.09	21.07	21.02	22.50
	36	LOW	QPSK	19.86	20.05	20.22	21.50
		MID	QPSK	19.85	20.04	20.19	21.50
		HIGH	QPSK	19.88	19.94	20.17	21.50
75	LOW	QPSK	19.97	20.12	20.03	21.50	
15	1	LOW	Q16	20.02	20.01	20.16	21.50
		MID	Q16	19.93	20.07	20.15	21.50
		HIGH	Q16	20.08	19.89	20.19	21.50
	36	LOW	Q16	19.01	19.21	19.05	20.50
		MID	Q16	19.23	19.07	18.93	20.50
		HIGH	Q16	19.11	18.94	19.16	20.50
75	LOW	Q16	18.76	19.17	19.16	20.50	
15	1	LOW	64QAM	18.83	19.03	18.98	20.50
		MID	64QAM	19.19	19.01	18.94	20.50
		HIGH	64QAM	18.94	19.13	18.92	20.50
	36	LOW	64QAM	18.00	18.22	18.13	19.50
		MID	64QAM	18.23	18.00	18.11	19.50
		HIGH	64QAM	18.14	17.91	18.02	19.50
75	LOW	64QAM	17.93	17.94	17.78	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.12	20.96	20.86	22.50
		MID	QPSK	20.92	20.89	20.94	22.50
		HIGH	QPSK	21.04	21.11	21.11	22.50
	50	LOW	QPSK	19.90	19.95	20.13	21.50
		MID	QPSK	19.98	20.01	20.11	21.50
		HIGH	QPSK	19.95	20.04	20.04	21.50
100	LOW	QPSK	19.89	20.10	19.89	21.50	
20	1	LOW	Q16	19.95	20.14	20.11	21.50
		MID	Q16	20.04	19.94	20.01	21.50
		HIGH	Q16	20.03	19.93	20.06	21.50
	50	LOW	Q16	19.07	19.14	18.90	20.50
		MID	Q16	19.08	18.96	18.92	20.50
		HIGH	Q16	19.03	18.91	19.06	20.50
100	LOW	Q16	18.89	19.07	19.03	20.50	
20	1	LOW	64QAM	18.91	19.15	19.05	20.50
		MID	64QAM	19.10	19.06	18.92	20.50
		HIGH	64QAM	18.98	19.13	18.90	20.50
	50	LOW	64QAM	17.96	18.08	18.04	19.50
		MID	64QAM	18.13	18.00	18.05	19.50
		HIGH	64QAM	18.15	18.03	17.92	19.50
100	LOW	64QAM	17.90	17.93	17.88	19.50	



LTE B4-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.19	21.06	20.71	22.50	
		MID	QPSK	20.78	20.91	20.99	22.50	
		HIGH	QPSK	20.92	21.21	21.17	22.50	
	3	LOW	QPSK	21.00	21.11	20.84	22.50	
		HIGH	QPSK	20.93	20.85	21.09	22.50	
	6	LOW	QPSK	21.03	21.00	21.22	22.50	
1.4	1	LOW	Q16	19.83	20.20	19.92	21.50	
		MID	Q16	20.08	20.15	20.24	21.50	
		HIGH	Q16	20.09	19.91	19.87	21.50	
	3	LOW	Q16	20.03	20.06	19.97	21.50	
		MID	Q16	19.87	20.09	20.17	21.50	
	6	HIGH	Q16	20.11	19.84	20.04	21.50	
1.4	1	LOW	64QAM	20.07	20.04	19.94	21.50	
		MID	64QAM	18.89	19.00	19.03	20.50	
		HIGH	64QAM	18.89	19.00	19.03	20.50	
	3	LOW	64QAM	18.80	19.23	19.06	20.50	
		MID	64QAM	19.07	19.03	18.84	20.50	
	6	HIGH	64QAM	19.09	19.11	18.86	20.50	
1.4	1	LOW	64QAM	19.04	19.17	19.20	20.50	
		MID	64QAM	19.18	19.07	18.82	20.50	
		HIGH	64QAM	18.99	18.99	18.87	20.50	
	3	LOW	64QAM	18.04	17.98	17.94	19.50	
	3	1	LOW	QPSK	21.27	20.95	20.74	22.50
			MID	QPSK	20.90	20.88	20.98	22.50
HIGH			QPSK	20.97	21.05	21.03	22.50	
8		LOW	QPSK	19.83	19.96	20.00	21.50	
		MID	QPSK	20.05	19.92	20.21	21.50	
15		HIGH	QPSK	19.82	20.19	20.08	21.50	
3	1	LOW	Q16	19.85	20.25	19.98	21.50	
		MID	Q16	19.89	20.11	20.09	21.50	
		HIGH	Q16	20.03	19.93	20.01	21.50	
	8	LOW	Q16	19.89	19.88	20.16	21.50	
		MID	Q16	18.92	19.28	18.76	20.50	
	15	HIGH	Q16	18.92	19.28	18.76	20.50	
3	1	LOW	64QAM	19.07	19.06	18.97	20.50	
		MID	64QAM	18.90	19.02	18.94	20.50	
		HIGH	64QAM	18.90	19.02	18.94	20.50	
	8	LOW	64QAM	18.97	19.04	19.04	20.50	
		MID	64QAM	18.91	19.22	18.96	20.50	
	15	HIGH	64QAM	19.23	19.15	18.78	20.50	
3	1	LOW	64QAM	19.03	19.06	18.82	20.50	
		MID	64QAM	18.09	18.06	18.08	19.50	
		HIGH	64QAM	18.07	18.03	18.16	19.50	
	8	LOW	64QAM	18.14	18.13	17.80	19.50	
		MID	64QAM	17.92	18.05	17.98	19.50	
	15	HIGH	64QAM	17.92	18.05	17.98	19.50	

LTE B4-DSI2&3 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	21.26	20.84	20.73	22.50
		MID	QPSK	20.84	20.91	21.09	22.50
		HIGH	QPSK	20.95	20.99	20.99	22.50
	12	LOW	QPSK	19.97	19.97	20.03	21.50
		MID	QPSK	20.13	20.01	20.05	21.50
		HIGH	QPSK	19.82	20.18	19.91	21.50
25	LOW	QPSK	19.80	19.99	19.93	21.50	
5	1	LOW	Q16	19.85	20.16	20.18	21.50
		MID	Q16	19.95	19.93	20.05	21.50
		HIGH	Q16	20.10	20.04	19.94	21.50
	12	LOW	Q16	19.13	18.99	18.77	20.50
		MID	Q16	19.05	19.08	18.78	20.50
		HIGH	Q16	19.12	18.80	19.09	20.50
25	LOW	Q16	18.87	18.92	18.93	20.50	
5	1	LOW	64QAM	18.91	19.29	19.06	20.50
		MID	64QAM	19.08	19.11	19.06	20.50
		HIGH	64QAM	18.97	19.17	18.76	20.50
	12	LOW	64QAM	18.05	17.96	18.12	19.50
		MID	64QAM	18.27	18.14	17.97	19.50
		HIGH	64QAM	18.05	17.99	18.06	19.50
25	LOW	64QAM	17.88	17.82	17.94	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	21.10	20.82	20.85	22.50
		MID	QPSK	20.93	21.01	21.07	22.50
		HIGH	QPSK	21.14	21.15	20.98	22.50
	25	LOW	QPSK	19.98	20.10	20.23	21.50
		MID	QPSK	20.08	19.92	20.22	21.50
		HIGH	QPSK	19.84	19.89	19.91	21.50
50	LOW	QPSK	20.04	20.03	19.75	21.50	
10	1	LOW	Q16	19.94	20.03	20.23	21.50
		MID	Q16	20.12	19.81	20.03	21.50
		HIGH	Q16	19.98	19.94	20.21	21.50
	25	LOW	Q16	19.05	19.25	18.91	20.50
		MID	Q16	19.14	18.86	19.06	20.50
		HIGH	Q16	18.89	18.95	19.01	20.50
50	LOW	Q16	18.99	19.17	19.10	20.50	
10	1	LOW	64QAM	19.02	19.02	18.99	20.50
		MID	64QAM	19.05	18.95	18.83	20.50
		HIGH	64QAM	19.02	19.01	18.96	20.50
	25	LOW	64QAM	17.97	18.15	18.19	19.50
		MID	64QAM	18.19	18.00	17.96	19.50
		HIGH	64QAM	18.00	18.04	17.89	19.50
50	LOW	64QAM	17.83	17.83	17.79	19.50	

LTE B4-DSI2&3 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	21.18	20.89	20.87	22.50
		MID	QPSK	21.01	20.79	21.00	22.50
		HIGH	QPSK	21.09	21.07	21.02	22.50
	36	LOW	QPSK	19.86	20.05	20.22	21.50
		MID	QPSK	19.85	20.04	20.19	21.50
		HIGH	QPSK	19.88	19.94	20.17	21.50
75	LOW	QPSK	19.97	20.12	20.03	21.50	
15	1	LOW	Q16	20.02	20.01	20.16	21.50
		MID	Q16	19.93	20.07	20.15	21.50
		HIGH	Q16	20.08	19.89	20.19	21.50
	36	LOW	Q16	19.01	19.21	19.05	20.50
		MID	Q16	19.23	19.07	18.93	20.50
		HIGH	Q16	19.11	18.94	19.16	20.50
75	LOW	Q16	18.76	19.17	19.16	20.50	
15	1	LOW	64QAM	18.83	19.03	18.98	20.50
		MID	64QAM	19.19	19.01	18.94	20.50
		HIGH	64QAM	18.94	19.13	18.92	20.50
	36	LOW	64QAM	18.00	18.22	18.13	19.50
		MID	64QAM	18.23	18.00	18.11	19.50
		HIGH	64QAM	18.14	17.91	18.02	19.50
75	LOW	64QAM	17.93	17.94	17.78	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	21.12	20.96	20.86	22.50
		MID	QPSK	20.92	20.89	20.94	22.50
		HIGH	QPSK	21.04	21.11	21.11	22.50
	50	LOW	QPSK	19.90	19.95	20.13	21.50
		MID	QPSK	19.98	20.01	20.11	21.50
		HIGH	QPSK	19.95	20.04	20.04	21.50
100	LOW	QPSK	19.89	20.10	19.89	21.50	
20	1	LOW	Q16	19.95	20.14	20.11	21.50
		MID	Q16	20.04	19.94	20.01	21.50
		HIGH	Q16	20.03	19.93	20.06	21.50
	50	LOW	Q16	19.07	19.14	18.90	20.50
		MID	Q16	19.08	18.96	18.92	20.50
		HIGH	Q16	19.03	18.91	19.06	20.50
100	LOW	Q16	18.89	19.07	19.03	20.50	
20	1	LOW	64QAM	18.91	19.15	19.05	20.50
		MID	64QAM	19.10	19.06	18.92	20.50
		HIGH	64QAM	18.98	19.13	18.90	20.50
	50	LOW	64QAM	17.96	18.08	18.04	19.50
		MID	64QAM	18.13	18.00	18.05	19.50
		HIGH	64QAM	18.15	18.03	17.92	19.50
100	LOW	64QAM	17.90	17.93	17.88	19.50	

LTE B4-DSI4&5 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.00	17.82	18.19	19.50
		MID	QPSK	17.74	17.98	18.17	19.50
		HIGH	QPSK	17.85	18.27	18.12	19.50
	3	LOW	QPSK	17.95	17.78	18.08	19.50
		MID	QPSK	17.90	18.17	18.19	19.50
	HIGH	QPSK	18.03	18.25	17.88	19.50	
6	LOW	QPSK	18.08	18.00	18.12	19.50	
1.4	1	LOW	Q16	18.24	17.98	18.22	19.50
		MID	Q16	18.17	17.96	18.00	19.50
		HIGH	Q16	18.04	17.94	17.81	19.50
	3	LOW	Q16	18.26	18.17	18.18	19.50
		MID	Q16	18.21	17.92	18.07	19.50
	HIGH	Q16	17.92	17.87	17.88	19.50	
6	LOW	Q16	17.85	17.98	18.13	19.50	
1.4	1	LOW	64QAM	17.79	18.20	18.12	19.50
		MID	64QAM	17.98	17.98	18.13	19.50
		HIGH	64QAM	18.03	17.76	18.21	19.50
	3	LOW	64QAM	17.91	18.09	17.96	19.50
		MID	64QAM	17.89	17.87	17.89	19.50
	HIGH	64QAM	18.26	17.96	18.15	19.50	
6	LOW	64QAM	17.99	17.99	17.94	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	17.91	17.82	17.92	19.50
		MID	QPSK	17.92	18.07	17.90	19.50
		HIGH	QPSK	17.85	18.22	18.04	19.50
	8	LOW	QPSK	18.02	17.90	18.08	19.50
		MID	QPSK	18.07	18.08	17.93	19.50
	HIGH	QPSK	18.03	17.82	18.02	19.50	
15	LOW	QPSK	18.09	17.97	18.01	19.50	
3	1	LOW	Q16	17.97	18.00	18.22	19.50
		MID	Q16	18.07	17.97	17.78	19.50
		HIGH	Q16	18.03	17.82	17.88	19.50
	8	LOW	Q16	18.12	18.10	17.95	19.50
		MID	Q16	17.98	17.93	18.05	19.50
	HIGH	Q16	17.95	18.03	17.82	19.50	
15	LOW	Q16	17.88	17.91	18.12	19.50	
3	1	LOW	64QAM	17.93	18.03	18.11	19.50
		MID	64QAM	17.86	17.98	18.12	19.50
		HIGH	64QAM	18.30	17.80	18.00	19.50
	8	LOW	64QAM	18.01	17.97	17.82	19.50
		MID	64QAM	17.97	18.15	18.13	19.50
	HIGH	64QAM	18.05	18.12	17.88	19.50	
15	LOW	64QAM	18.17	17.92	18.18	19.50	

LTE B4-DSI4&5 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	17.73	17.87	17.98	19.50
		MID	QPSK	17.79	18.01	18.10	19.50
		HIGH	QPSK	17.94	18.29	18.15	19.50
	12	LOW	QPSK	17.85	17.78	18.14	19.50
		MID	QPSK	17.91	17.94	17.76	19.50
		HIGH	QPSK	18.14	18.04	17.85	19.50
25	LOW	QPSK	18.12	17.92	18.11	19.50	
5	1	LOW	Q16	18.14	18.14	18.03	19.50
		MID	Q16	18.26	17.83	17.83	19.50
		HIGH	Q16	17.88	17.93	18.11	19.50
	12	LOW	Q16	18.02	17.98	17.92	19.50
		MID	Q16	17.87	18.15	17.98	19.50
		HIGH	Q16	18.03	17.80	17.92	19.50
25	LOW	Q16	17.77	17.90	18.19	19.50	
5	1	LOW	64QAM	17.82	18.09	18.09	19.50
		MID	64QAM	18.02	17.84	17.86	19.50
		HIGH	64QAM	18.27	17.74	18.22	19.50
	12	LOW	64QAM	17.81	17.98	17.82	19.50
		MID	64QAM	17.94	18.02	18.23	19.50
		HIGH	64QAM	18.00	18.05	18.01	19.50
25	LOW	64QAM	18.18	17.96	17.94	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.93	18.00	17.91	19.50
		MID	QPSK	17.81	18.15	17.92	19.50
		HIGH	QPSK	17.77	18.06	18.06	19.50
	25	LOW	QPSK	18.07	17.84	18.07	19.50
		MID	QPSK	17.99	18.03	17.78	19.50
		HIGH	QPSK	18.04	17.89	17.80	19.50
50	LOW	QPSK	18.11	18.09	18.13	19.50	
10	1	LOW	Q16	18.07	18.13	18.20	19.50
		MID	Q16	18.00	18.02	17.95	19.50
		HIGH	Q16	18.12	17.83	17.87	19.50
	25	LOW	Q16	18.08	18.10	18.02	19.50
		MID	Q16	17.99	18.21	18.26	19.50
		HIGH	Q16	18.11	18.00	17.81	19.50
50	LOW	Q16	17.90	17.96	17.97	19.50	
10	1	LOW	64QAM	17.89	18.11	18.07	19.50
		MID	64QAM	17.78	18.11	17.84	19.50
		HIGH	64QAM	18.27	17.85	18.06	19.50
	25	LOW	64QAM	18.02	17.97	17.83	19.50
		MID	64QAM	17.92	18.23	18.24	19.50
		HIGH	64QAM	17.89	18.03	18.07	19.50
50	LOW	64QAM	18.16	18.04	18.00	19.50	

LTE B4-DSI4&5 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	17.93	17.93	18.06	19.50
		MID	QPSK	17.82	18.04	18.15	19.50
		HIGH	QPSK	17.77	18.07	17.97	19.50
	36	LOW	QPSK	17.93	17.93	18.14	19.50
		MID	QPSK	18.06	17.84	17.89	19.50
		75	LOW	QPSK	17.92	18.08	17.91
15	1	LOW	Q16	18.17	18.21	18.21	19.50
		MID	Q16	18.06	17.93	17.99	19.50
		HIGH	Q16	18.03	17.75	18.03	19.50
	36	LOW	Q16	17.95	18.26	18.00	19.50
		MID	Q16	17.89	18.02	18.27	19.50
		75	LOW	Q16	18.16	18.03	18.09
15	1	LOW	64QAM	17.87	18.04	18.00	19.50
		MID	64QAM	17.94	18.03	17.90	19.50
		HIGH	64QAM	17.83	17.82	18.02	19.50
	36	LOW	64QAM	18.22	17.87	18.02	19.50
		MID	64QAM	17.99	18.08	18.10	19.50
		75	HIGH	64QAM	17.87	18.20	18.25
		LOW	64QAM	18.08	18.06	18.12	19.50
		LOW	64QAM	18.15	17.99	18.17	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.85	17.91	18.05	19.50
		MID	QPSK	17.89	18.13	18.04	19.50
		HIGH	QPSK	17.91	18.15	18.02	19.50
	50	LOW	QPSK	17.95	17.93	18.06	19.50
		MID	QPSK	18.03	17.98	17.88	19.50
		100	HIGH	QPSK	18.01	17.90	17.91
		LOW	QPSK	18.05	17.94	18.06	19.50
20	1	LOW	Q16	18.12	18.12	18.07	19.50
		MID	Q16	18.13	17.87	17.92	19.50
		HIGH	Q16	18.00	17.85	17.96	19.50
	50	LOW	Q16	18.03	18.11	17.88	19.50
		MID	Q16	17.95	18.07	18.12	19.50
		100	HIGH	Q16	18.03	17.95	17.94
		LOW	Q16	17.89	17.98	18.10	19.50
20	1	LOW	64QAM	17.92	18.15	18.02	19.50
		MID	64QAM	17.91	17.97	17.98	19.50
		HIGH	64QAM	18.15	17.87	18.07	19.50
	50	LOW	64QAM	17.88	18.02	17.95	19.50
		MID	64QAM	18.01	18.14	18.12	19.50
		100	HIGH	64QAM	17.99	18.14	18.01
		LOW	64QAM	18.03	17.99	18.08	19.50

LTE B4-DSI8&9&10 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.92	17.23	16.77	18.50
		MID	QPSK	17.03	16.86	16.84	18.50
		HIGH	QPSK	16.91	16.74	17.03	18.50
	3	LOW	QPSK	16.83	16.98	16.93	18.50
		HIGH	QPSK	16.97	16.98	16.74	18.50
	6	LOW	QPSK	16.90	17.11	17.02	18.50
1.4	1	LOW	Q16	16.76	16.92	16.85	18.50
		MID	Q16	17.20	16.98	17.10	18.50
		HIGH	Q16	16.96	16.92	17.29	18.50
	3	LOW	Q16	16.87	17.06	17.13	18.50
		MID	Q16	17.11	17.02	16.99	18.50
	6	HIGH	Q16	17.01	16.88	17.05	18.50
1.4	1	LOW	64QAM	17.05	16.93	17.04	18.50
		MID	64QAM	17.03	17.13	17.08	18.50
		HIGH	64QAM	16.98	17.18	16.83	18.50
	3	LOW	64QAM	17.06	16.93	16.97	18.50
		MID	64QAM	16.81	17.01	16.93	18.50
	6	HIGH	64QAM	16.95	17.24	17.09	18.50
3	1	LOW	64QAM	16.77	17.17	16.82	18.50
		MID	64QAM	16.77	17.17	16.82	18.50
		HIGH	64QAM	16.77	17.17	16.82	18.50
	8	LOW	QPSK	16.87	16.98	16.82	18.50
		MID	QPSK	17.08	16.89	16.87	18.50
		HIGH	QPSK	16.82	16.93	17.04	18.50
3	1	LOW	Q16	16.82	16.86	17.05	18.50
		MID	Q16	17.19	16.93	16.93	18.50
		HIGH	Q16	17.02	17.09	17.25	18.50
	8	LOW	Q16	16.86	16.91	17.05	18.50
		MID	Q16	17.00	17.02	16.89	18.50
	15	HIGH	Q16	17.23	16.97	16.81	18.50
3	1	LOW	64QAM	16.96	17.13	17.20	18.50
		MID	64QAM	16.84	17.05	16.93	18.50
		HIGH	64QAM	16.86	17.28	16.84	18.50
	8	LOW	64QAM	16.86	16.81	17.00	18.50
		MID	64QAM	16.86	17.25	16.95	18.50
	15	HIGH	64QAM	17.13	16.95	16.89	18.50
3	1	LOW	64QAM	16.95	17.21	16.88	18.50
		MID	64QAM	16.95	17.21	16.88	18.50
		HIGH	64QAM	16.95	17.21	16.88	18.50
	8	LOW	64QAM	16.95	17.21	16.88	18.50
		MID	64QAM	16.95	17.21	16.88	18.50
	15	HIGH	64QAM	16.95	17.21	16.88	18.50

LTE B4-DSI8&9&10 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	16.81	17.11	17.03	18.50
		MID	QPSK	16.94	16.83	16.85	18.50
		HIGH	QPSK	16.98	16.77	17.10	18.50
	12	LOW	QPSK	16.83	16.79	16.84	18.50
		MID	QPSK	17.20	16.90	16.97	18.50
		HIGH	QPSK	16.82	17.12	16.95	18.50
25	LOW	QPSK	16.77	16.92	16.79	18.50	
5	1	LOW	Q16	17.02	16.77	16.89	18.50
		MID	Q16	17.02	17.13	17.02	18.50
		HIGH	Q16	16.84	17.00	17.28	18.50
	12	LOW	Q16	16.90	17.02	16.97	18.50
		MID	Q16	17.24	16.98	17.19	18.50
		HIGH	Q16	17.05	17.09	16.76	18.50
25	LOW	Q16	16.90	17.12	17.18	18.50	
5	1	LOW	64QAM	16.88	16.94	16.99	18.50
		MID	64QAM	16.80	16.98	16.91	18.50
		HIGH	64QAM	16.89	17.12	17.03	18.50
	12	LOW	64QAM	16.93	16.86	16.77	18.50
		MID	64QAM	16.93	17.18	16.96	18.50
		HIGH	64QAM	17.16	17.03	17.07	18.50
25	LOW	64QAM	16.91	17.03	16.90	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.06	17.23	17.03	18.50
		MID	QPSK	17.09	17.00	16.90	18.50
		HIGH	QPSK	16.90	16.99	17.00	18.50
	25	LOW	QPSK	17.01	16.86	16.93	18.50
		MID	QPSK	17.08	17.03	16.83	18.50
		HIGH	QPSK	16.81	17.05	16.92	18.50
50	LOW	QPSK	16.84	16.99	17.02	18.50	
10	1	LOW	Q16	16.91	16.86	17.08	18.50
		MID	Q16	17.15	17.05	16.99	18.50
		HIGH	Q16	16.89	16.93	17.01	18.50
	25	LOW	Q16	16.79	16.99	17.01	18.50
		MID	Q16	17.27	16.89	17.03	18.50
		HIGH	Q16	17.04	17.02	16.95	18.50
50	LOW	Q16	16.92	17.21	17.01	18.50	
10	1	LOW	64QAM	17.13	17.04	17.15	18.50
		MID	64QAM	16.82	17.14	17.05	18.50
		HIGH	64QAM	17.09	17.16	16.86	18.50
	25	LOW	64QAM	16.92	16.84	16.96	18.50
		MID	64QAM	16.93	17.23	17.01	18.50
		HIGH	64QAM	16.93	17.10	17.01	18.50
50	LOW	64QAM	16.86	17.16	16.89	18.50	



LTE B4-DSI8&9&10 -Ant.31							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	16.78	17.07	17.06	18.50
		MID	QPSK	17.04	16.80	17.01	18.50
		HIGH	QPSK	16.97	17.00	16.88	18.50
	36	LOW	QPSK	16.98	16.74	16.94	18.50
		MID	QPSK	17.24	17.00	16.99	18.50
	HIGH	QPSK	17.01	16.87	16.98	18.50	
75	LOW	QPSK	16.85	17.02	16.80	18.50	
15	1	LOW	Q16	16.82	16.97	16.83	18.50
		MID	Q16	17.02	16.91	17.05	18.50
		HIGH	Q16	17.08	16.90	17.01	18.50
	36	LOW	Q16	16.73	17.06	16.79	18.50
		MID	Q16	17.03	17.11	16.98	18.50
	HIGH	Q16	17.13	16.96	16.88	18.50	
75	LOW	Q16	17.04	17.20	17.07	18.50	
15	1	LOW	64QAM	16.96	17.05	16.96	18.50
		MID	64QAM	16.92	17.11	16.97	18.50
		HIGH	64QAM	16.99	17.08	16.97	18.50
	36	LOW	64QAM	17.04	16.89	16.98	18.50
		MID	64QAM	16.92	17.27	17.00	18.50
	HIGH	64QAM	17.06	17.04	17.02	18.50	
75	LOW	64QAM	17.01	17.05	16.95	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	16.91	17.08	16.92	18.50
		MID	QPSK	16.95	16.92	16.89	18.50
		HIGH	QPSK	16.85	16.89	17.03	18.50
	50	LOW	QPSK	16.96	16.85	16.99	18.50
		MID	QPSK	17.09	17.05	16.93	18.50
	HIGH	QPSK	16.94	17.02	17.01	18.50	
100	LOW	QPSK	16.85	17.04	16.91	18.50	
20	1	LOW	Q16	16.90	16.92	16.98	18.50
		MID	Q16	17.09	17.01	17.04	18.50
		HIGH	Q16	16.99	17.01	17.14	18.50
	50	LOW	Q16	16.86	17.02	16.92	18.50
		MID	Q16	17.15	17.03	17.04	18.50
	HIGH	Q16	17.09	17.03	16.89	18.50	
100	LOW	Q16	16.99	17.06	17.05	18.50	
20	1	LOW	64QAM	17.02	17.06	17.08	18.50
		MID	64QAM	16.93	16.99	17.04	18.50
		HIGH	64QAM	16.98	17.13	16.94	18.50
	50	LOW	64QAM	16.90	16.94	16.86	18.50
		MID	64QAM	16.99	17.13	16.94	18.50
	HIGH	64QAM	17.03	17.07	16.92	18.50	
100	LOW	64QAM	16.89	17.07	16.91	18.50	

## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.84	22.53	22.82	24.50	
		MID	QPSK	22.94	22.72	22.71	24.50	
		HIGH	QPSK	22.78	22.83	22.69	24.50	
	3	LOW	QPSK	22.83	22.58	22.75	24.50	
		MID	QPSK	22.93	22.61	22.76	24.50	
		HIGH	QPSK	22.86	22.75	22.54	24.50	
	6	LOW	QPSK	22.00	21.73	21.74	23.50	
	1.4	1	LOW	Q16	22.32	22.09	21.62	23.50
			MID	Q16	22.07	21.95	21.55	23.50
HIGH			Q16	21.96	21.96	21.76	23.50	
3		LOW	Q16	22.05	21.62	21.67	23.50	
		MID	Q16	22.08	21.93	21.68	23.50	
		HIGH	Q16	22.25	21.85	21.61	23.50	
6		LOW	Q16	20.91	20.68	20.72	22.50	
1.4		1	LOW	64QAM	21.42	21.16	20.77	22.50
			MID	64QAM	21.21	21.09	20.50	22.50
	HIGH		64QAM	20.90	20.99	20.55	22.50	
	3	LOW	64QAM	21.02	20.65	20.55	22.50	
		MID	64QAM	21.13	20.93	20.74	22.50	
		HIGH	64QAM	21.38	20.91	20.53	22.50	
	6	LOW	64QAM	19.84	19.53	19.76	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	22.84	22.71	22.80	24.50
MID			QPSK	22.77	22.52	22.59	24.50	
HIGH			QPSK	22.80	22.83	22.52	24.50	
8		LOW	QPSK	22.04	21.72	21.76	23.50	
		MID	QPSK	22.02	21.51	21.67	23.50	
		HIGH	QPSK	21.87	21.67	21.51	23.50	
15		LOW	QPSK	21.95	21.63	21.62	23.50	
3		1	LOW	Q16	22.16	21.95	21.61	23.50
			MID	Q16	22.28	22.00	21.76	23.50
	HIGH		Q16	22.07	22.05	21.56	23.50	
	8	LOW	Q16	20.98	20.64	20.67	22.50	
		MID	Q16	20.74	20.68	20.60	22.50	
		HIGH	Q16	20.70	20.81	20.74	22.50	
	15	LOW	Q16	20.92	20.69	20.79	22.50	
	3	1	LOW	64QAM	21.23	21.11	20.57	22.50
			MID	64QAM	21.20	20.80	20.81	22.50
HIGH			64QAM	20.97	20.99	20.58	22.50	
8		LOW	64QAM	19.99	19.74	19.55	21.50	
		MID	64QAM	19.73	19.65	19.69	21.50	
		HIGH	64QAM	19.81	19.96	19.77	21.50	
15		LOW	64QAM	19.98	19.72	19.62	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.87	22.55	22.70	24.50
	MID		QPSK	22.88	22.71	22.60	24.50	
	HIGH		QPSK	22.76	22.74	22.64	24.50	
	12	LOW	QPSK	21.81	21.70	21.53	23.50	
		MID	QPSK	21.99	21.52	21.81	23.50	
		HIGH	QPSK	21.84	21.79	21.56	23.50	
	25	LOW	QPSK	22.04	21.57	21.53	23.50	
	5	1	LOW	Q16	22.15	22.08	21.50	23.50
			MID	Q16	22.23	21.78	21.54	23.50
HIGH			Q16	22.21	22.02	21.64	23.50	
12		LOW	Q16	20.98	20.62	20.70	22.50	
		MID	Q16	20.84	20.70	20.57	22.50	
		HIGH	Q16	20.87	20.72	20.69	22.50	
25		LOW	Q16	20.79	20.61	20.77	22.50	
5		1	LOW	64QAM	21.11	21.07	20.62	22.50
			MID	64QAM	21.15	20.73	20.63	22.50
	HIGH		64QAM	21.01	21.06	20.58	22.50	
	12	LOW	64QAM	19.83	19.73	19.56	21.50	
		MID	64QAM	19.85	19.53	19.77	21.50	
		HIGH	64QAM	19.65	19.70	19.87	21.50	
	25	LOW	64QAM	19.62/19.73/19.84	19.74	19.74	21.50	

LTE B4-Full Power -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	22.88	22.70	22.83	24.50		
		MID	QPSK	22.76	22.66	22.68	24.50		
		HIGH	QPSK	22.62	22.87	22.66	24.50		
	25	LOW	QPSK	22.05	21.76	21.54	23.50		
		MID	QPSK	21.78	21.79	21.57	23.50		
		HIGH	QPSK	21.84	21.89	21.77	23.50		
	50	LOW	QPSK	22.00	21.50	21.59	23.50		
	10	1	LOW	Q16	22.18	21.93	21.73	23.50	
			MID	Q16	22.08	21.88	21.50	23.50	
HIGH			Q16	21.98	21.96	21.71	23.50		
25		LOW	Q16	21.01	20.63	20.70	22.50		
		MID	Q16	20.87	20.62	20.80	22.50		
		HIGH	Q16	20.96	20.70	20.51	22.50		
50		LOW	Q16	20.74	20.77	20.66	22.50		
10		1	LOW	64QAM	21.27	21.09	20.65	22.50	
			MID	64QAM	20.99	20.62	20.80	22.50	
	HIGH		64QAM	21.17	20.89	20.61	22.50		
	25	LOW	64QAM	19.94	19.60	19.55	21.50		
		MID	64QAM	19.73	19.66	19.52	21.50		
		HIGH	64QAM	19.83	19.73	19.88	21.50		
	50	LOW	64QAM	19.94	19.64	19.78	21.50		
	15	15	1	LOW	QPSK	22.97	22.56	22.64	24.50
				MID	QPSK	23.00	22.78	22.72	24.50
HIGH				QPSK	22.60	22.74	22.52	24.50	
36			LOW	QPSK	21.84	21.74	21.56	23.50	
			MID	QPSK	21.77	21.66	21.67	23.50	
			HIGH	QPSK	21.84	21.86	21.63	23.50	
75			LOW	QPSK	22.04	21.74	21.65	23.50	
15			1	LOW	Q16	22.17	22.11	21.79	23.50
				MID	Q16	22.27	21.95	21.77	23.50
		HIGH		Q16	22.26	22.11	21.76	23.50	
		36	LOW	Q16	20.83	20.77	20.57	22.50	
			MID	Q16	21.00	20.52	20.85	22.50	
			HIGH	Q16	20.85	20.89	20.61	22.50	
		75	LOW	Q16	20.99	20.62	20.54	22.50	
		15	1	LOW	64QAM	21.07	21.18	20.73	22.50
				MID	64QAM	21.12	20.68	20.67	22.50
HIGH				64QAM	21.19	20.90	20.74	22.50	
36			LOW	64QAM	19.97	19.77	19.52	21.50	
	MID		64QAM	19.70	19.81	19.67	21.50		
	HIGH		64QAM	19.82	19.75	19.90	21.50		
75	LOW		64QAM	19.99	19.75	19.86	21.50		
20	20		1	LOW	QPSK	22.68	22.97	22.70	24.50
				MID	QPSK	22.61	22.89	22.61	24.50
		HIGH		QPSK	22.79	22.73	22.58	24.50	
		50	LOW	QPSK	21.60	21.96	21.67	23.50	
			MID	QPSK	21.52	21.87	21.66	23.50	
			HIGH	QPSK	21.78	21.80	21.56	23.50	
		100	LOW	QPSK	21.90	21.55	21.66	23.50	
		20	1	LOW	Q16	22.19	21.99	21.57	23.50
				MID	Q16	22.21	21.88	21.54	23.50
	HIGH			Q16	22.11	21.96	21.58	23.50	
	50		LOW	Q16	20.95	20.59	20.66	22.50	
			MID	Q16	20.88	20.55	20.71	22.50	
			HIGH	Q16	20.83	20.79	20.61	22.50	
	100		LOW	Q16	20.86	20.54	20.69	22.50	
	20		1	LOW	64QAM	21.14	21.05	20.69	22.50
				MID	64QAM	21.10	20.76	20.67	22.50
		HIGH		64QAM	21.06	20.92	20.63	22.50	
		50	LOW	64QAM	19.96	19.64	19.65	21.50	
MID			64QAM	19.83	19.67	19.57	21.50		
HIGH			64QAM	19.79	19.84	19.75	21.50		
100		LOW	64QAM	19.85	19.64	19.76	21.50		

LTE B4-DS12&3 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.80	21.81	21.55	23.50	
		MID	QPSK	21.83	22.02	21.71	23.50	
		HIGH	QPSK	21.61	21.64	21.58	23.50	
	3	LOW	QPSK	21.84	21.75	21.65	23.50	
		MID	QPSK	21.80	21.84	21.71	23.50	
		HIGH	QPSK	21.73	21.65	21.71	23.50	
	6	LOW	QPSK	21.82	21.69	21.71	23.50	
	1.4	1	LOW	Q16	21.97	22.03	21.56	23.50
			MID	Q16	22.08	21.97	21.54	23.50
HIGH			Q16	22.19	21.92	21.72	23.50	
3		LOW	Q16	22.12	21.81	21.53	23.50	
		MID	Q16	22.10	22.10	21.56	23.50	
		HIGH	Q16	22.06	21.76	21.74	23.50	
6		LOW	Q16	20.69	20.80	20.69	22.50	
1.4		1	LOW	64QAM	20.82	21.04	20.58	22.50
			MID	64QAM	21.06	20.83	20.70	22.50
	HIGH		64QAM	21.14	20.97	20.76	22.50	
	3	LOW	64QAM	21.01	20.90	20.75	22.50	
		MID	64QAM	21.01	21.15	20.77	22.50	
		HIGH	64QAM	20.92	20.61	20.70	22.50	
	6	LOW	64QAM	19.57	19.71	19.79	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	21.95	21.84	21.77	23.50
MID			QPSK	21.83	21.90	21.60	23.50	
HIGH			QPSK	21.70	21.79	21.86	23.50	
8		LOW	QPSK	21.76	21.90	21.73	23.50	
		MID	QPSK	21.74	21.90	21.68	23.50	
		HIGH	QPSK	21.82	21.71	21.57	23.50	
15		LOW	QPSK	21.62	21.75	21.74	23.50	
3		1	LOW	Q16	22.10	22.07	21.74	23.50
			MID	Q16	22.03	22.01	21.69	23.50
	HIGH		Q16	21.92	21.69	21.59	23.50	
	8	LOW	Q16	20.76	20.89	20.82	22.50	
		MID	Q16	20.76	21.00	20.72	22.50	
		HIGH	Q16	20.78	20.95	20.78	22.50	
	15	LOW	Q16	20.64	20.97	20.61	22.50	
	3	1	LOW	64QAM	21.15	21.09	20.79	22.50
			MID	64QAM	20.95	20.71	20.70	22.50
HIGH			64QAM	21.04	20.89	20.68	22.50	
8		LOW	64QAM	19.71	20.01	19.65	21.50	
		MID	64QAM	19.71	19.87	19.63	21.50	
		HIGH	64QAM	19.99	19.77	19.70	21.50	
15		LOW	64QAM	19.77	19.85	19.81	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	21.72	21.99	21.83	23.50
	MID		QPSK	21.77	21.77	21.77	23.50	
	HIGH		QPSK	21.76	21.79	21.67	23.50	
	12	LOW	QPSK	21.92	21.68	21.62	23.50	
		MID	QPSK	21.80	21.69	21.83	23.50	
		HIGH	QPSK	21.70	21.86	21.61	23.50	
	25	LOW	QPSK	21.64	21.83	21.67	23.50	
	5	1	LOW	Q16	22.00	21.94	21.52	23.50
			MID	Q16	21.98	21.76	21.70	23.50
HIGH			Q16	21.96	21.72	21.55	23.50	
12		LOW	Q16	20.86	20.97	20.89	22.50	
		MID	Q16	20.88	20.71	20.71	22.50	
		HIGH	Q16	20.73	20.79	20.67	22.50	
25		LOW	Q16	20.77	20.79	20.61	22.50	
5		1	LOW	64QAM	20.96	21.15	20.59	22.50
			MID	64QAM	21.09	20.80	20.54	22.50
	HIGH		64QAM	21.06	20.79	20.88	22.50	
	12	LOW	64QAM	19.86	19.91	19.68	21.50	
		MID	64QAM	19.98	19.91	19.69	21.50	
		HIGH	64QAM	19.92	19.89	19.77	21.50	
	25	LOW	64QAM	19.73	19.72	19.89	21.50	

LTE B4-DSI2&3 -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	21.84	21.86	21.80	23.50		
		MID	QPSK	21.72	21.88	21.55	23.50		
		HIGH	QPSK	21.82	21.78	21.57	23.50		
	25	LOW	QPSK	21.63	21.70	21.90	23.50		
		MID	QPSK	21.63	21.86	21.68	23.50		
		HIGH	QPSK	21.76	21.74	21.64	23.50		
	50	LOW	QPSK	21.65	21.77	21.72	23.50		
	10	1	LOW	Q16	22.21	22.09	21.53	23.50	
			MID	Q16	22.15	21.84	21.54	23.50	
HIGH			Q16	22.20	21.97	21.68	23.50		
25		LOW	Q16	20.67	20.81	20.84	22.50		
		MID	Q16	20.89	20.78	20.75	22.50		
		HIGH	Q16	20.78	20.91	20.54	22.50		
50		LOW	Q16	20.80	20.85	20.86	22.50		
10		1	LOW	64QAM	21.00	21.14	20.69	22.50	
			MID	64QAM	21.13	20.67	20.66	22.50	
	HIGH		64QAM	21.11	20.77	20.94	22.50		
	25	LOW	64QAM	19.65	20.10	19.64	21.50		
		MID	64QAM	19.96	19.87	19.78	21.50		
		HIGH	64QAM	19.72	19.67	19.57	21.50		
	50	LOW	64QAM	19.85	19.71	19.74	21.50		
	15	15	1	LOW	QPSK	21.74	21.78	21.78	23.50
				MID	QPSK	21.59	21.85	21.57	23.50
HIGH				QPSK	21.79	21.68	21.77	23.50	
36			LOW	QPSK	21.80	21.84	21.90	23.50	
			MID	QPSK	21.76	21.75	21.75	23.50	
			HIGH	QPSK	21.80	21.81	21.58	23.50	
75			LOW	QPSK	21.88	21.69	21.76	23.50	
15			1	LOW	Q16	22.04	22.04	21.50	23.50
				MID	Q16	21.99	21.93	21.52	23.50
		HIGH		Q16	21.94	21.83	21.79	23.50	
		36	LOW	Q16	20.88	20.84	20.68	22.50	
			MID	Q16	20.88	20.83	20.70	22.50	
			HIGH	Q16	20.87	20.83	20.73	22.50	
		75	LOW	Q16	20.88	20.81	20.68	22.50	
		15	1	LOW	64QAM	20.99	21.02	20.69	22.50
				MID	64QAM	20.94	20.96	20.74	22.50
HIGH				64QAM	21.23	20.98	20.75	22.50	
36			LOW	64QAM	19.75	19.90	19.72	21.50	
	MID		64QAM	19.75	19.84	19.73	21.50		
	HIGH		64QAM	19.91	19.75	19.62	21.50		
75	LOW		64QAM	19.82	19.71	19.94	21.50		
20	20		1	LOW	QPSK	21.81	21.89	21.70	23.50
				MID	QPSK	21.70	21.88	21.69	23.50
		HIGH		QPSK	21.70	21.79	21.71	23.50	
		50	LOW	QPSK	21.78	21.82	21.75	23.50	
			MID	QPSK	21.77	21.79	21.76	23.50	
			HIGH	QPSK	21.72	21.85	21.66	23.50	
		100	LOW	QPSK	21.73	21.82	21.74	23.50	
		20	1	LOW	Q16	22.06	21.98	21.64	23.50
				MID	Q16	22.07	21.90	21.63	23.50
	HIGH			Q16	22.06	21.84	21.68	23.50	
	50		LOW	Q16	20.79	20.84	20.75	22.50	
			MID	Q16	20.77	20.86	20.73	22.50	
			HIGH	Q16	20.72	20.88	20.69	22.50	
	100		LOW	Q16	20.75	20.84	20.75	22.50	
	20		1	LOW	64QAM	21.08	21.04	20.54	22.50
				MID	64QAM	20.99	20.82	20.64	22.50
		HIGH		64QAM	21.15	20.90	20.82	22.50	
		50	LOW	64QAM	19.76	19.97	19.60	21.50	
MID			64QAM	19.83	19.89	19.58	21.50		
HIGH			64QAM	19.84	19.74	19.66	21.50		
100		LOW	64QAM	19.82	19.75	19.86	21.50		

LTE B4-DSI4 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.84	22.53	22.82	24.50	
		MID	QPSK	22.94	22.72	22.71	24.50	
		HIGH	QPSK	22.78	22.83	22.69	24.50	
	3	LOW	QPSK	22.83	22.58	22.75	24.50	
		MID	QPSK	22.93	22.61	22.76	24.50	
		HIGH	QPSK	22.86	22.75	22.54	24.50	
	6	LOW	QPSK	22.00	21.73	21.74	23.50	
	1.4	1	LOW	Q16	22.32	22.09	21.62	23.50
			MID	Q16	22.07	21.95	21.55	23.50
HIGH			Q16	21.96	21.96	21.76	23.50	
3		LOW	Q16	22.05	21.62	21.67	23.50	
		MID	Q16	22.08	21.93	21.68	23.50	
		HIGH	Q16	22.25	21.85	21.61	23.50	
6		LOW	Q16	20.91	20.68	20.72	22.50	
1.4		1	LOW	64QAM	21.42	21.16	20.77	22.50
			MID	64QAM	21.21	21.09	20.50	22.50
	HIGH		64QAM	20.90	20.99	20.55	22.50	
	3	LOW	64QAM	21.02	20.65	20.55	22.50	
		MID	64QAM	21.13	20.93	20.74	22.50	
		HIGH	64QAM	21.38	20.91	20.53	22.50	
	6	LOW	64QAM	19.84	19.53	19.76	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	22.84	22.71	22.80	24.50
MID			QPSK	22.77	22.52	22.59	24.50	
HIGH			QPSK	22.80	22.83	22.52	24.50	
8		LOW	QPSK	22.04	21.72	21.76	23.50	
		MID	QPSK	22.02	21.51	21.67	23.50	
		HIGH	QPSK	21.87	21.67	21.51	23.50	
15		LOW	QPSK	21.95	21.63	21.62	23.50	
3		1	LOW	Q16	22.16	21.95	21.61	23.50
			MID	Q16	22.28	22.00	21.76	23.50
	HIGH		Q16	22.07	22.05	21.56	23.50	
	8	LOW	Q16	20.98	20.64	20.67	22.50	
		MID	Q16	20.74	20.68	20.60	22.50	
		HIGH	Q16	20.70	20.81	20.74	22.50	
	15	LOW	Q16	20.92	20.69	20.79	22.50	
	3	1	LOW	64QAM	21.23	21.11	20.57	22.50
			MID	64QAM	21.20	20.80	20.81	22.50
HIGH			64QAM	20.97	20.99	20.58	22.50	
8		LOW	64QAM	19.99	19.74	19.55	21.50	
		MID	64QAM	19.73	19.65	19.69	21.50	
		HIGH	64QAM	19.81	19.96	19.77	21.50	
15		LOW	64QAM	19.98	19.72	19.62	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	22.87	22.55	22.70	24.50
	MID		QPSK	22.88	22.71	22.60	24.50	
	HIGH		QPSK	22.76	22.74	22.64	24.50	
	12	LOW	QPSK	21.81	21.70	21.53	23.50	
		MID	QPSK	21.99	21.52	21.81	23.50	
		HIGH	QPSK	21.84	21.79	21.56	23.50	
	25	LOW	QPSK	22.04	21.57	21.53	23.50	
	5	1	LOW	Q16	22.15	22.08	21.50	23.50
			MID	Q16	22.23	21.78	21.54	23.50
HIGH			Q16	22.21	22.02	21.64	23.50	
12		LOW	Q16	20.98	20.62	20.70	22.50	
		MID	Q16	20.84	20.70	20.57	22.50	
		HIGH	Q16	20.87	20.72	20.69	22.50	
25		LOW	Q16	20.79	20.61	20.77	22.50	
5		1	LOW	64QAM	21.11	21.07	20.62	22.50
			MID	64QAM	21.15	20.73	20.63	22.50
	HIGH		64QAM	21.01	21.06	20.58	22.50	
	12	LOW	64QAM	19.83	19.73	19.56	21.50	
		MID	64QAM	19.85	19.53	19.77	21.50	
		HIGH	64QAM	19.65	19.70	19.87	21.50	
	25	LOW	64QAM	19.66/19.73	19.84	19.74	21.50	

LTE B4-DSI4 -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	22.88	22.70	22.83	24.50		
		MID	QPSK	22.76	22.66	22.68	24.50		
		HIGH	QPSK	22.62	22.87	22.66	24.50		
	25	LOW	QPSK	22.05	21.76	21.54	23.50		
		MID	QPSK	21.78	21.79	21.57	23.50		
		HIGH	QPSK	21.84	21.89	21.77	23.50		
	50	LOW	QPSK	22.00	21.50	21.59	23.50		
	10	1	LOW	Q16	22.18	21.93	21.73	23.50	
			MID	Q16	22.08	21.88	21.50	23.50	
HIGH			Q16	21.98	21.96	21.71	23.50		
25		LOW	Q16	21.01	20.63	20.70	22.50		
		MID	Q16	20.87	20.62	20.80	22.50		
		HIGH	Q16	20.96	20.70	20.51	22.50		
50		LOW	Q16	20.74	20.77	20.66	22.50		
10		1	LOW	64QAM	21.27	21.09	20.65	22.50	
			MID	64QAM	20.99	20.62	20.80	22.50	
	HIGH		64QAM	21.17	20.89	20.61	22.50		
	25	LOW	64QAM	19.94	19.60	19.55	21.50		
		MID	64QAM	19.73	19.66	19.52	21.50		
		HIGH	64QAM	19.83	19.73	19.88	21.50		
	50	LOW	64QAM	19.94	19.64	19.78	21.50		
	15	15	1	LOW	QPSK	22.97	22.56	22.64	24.50
				MID	QPSK	23.00	22.78	22.72	24.50
HIGH				QPSK	22.60	22.74	22.52	24.50	
36			LOW	QPSK	21.84	21.74	21.56	23.50	
			MID	QPSK	21.77	21.66	21.67	23.50	
			HIGH	QPSK	21.84	21.86	21.63	23.50	
75			LOW	QPSK	22.04	21.74	21.65	23.50	
15			1	LOW	Q16	22.17	22.11	21.79	23.50
				MID	Q16	22.27	21.95	21.77	23.50
		HIGH		Q16	22.26	22.11	21.76	23.50	
		36	LOW	Q16	20.83	20.77	20.57	22.50	
			MID	Q16	21.00	20.52	20.85	22.50	
			HIGH	Q16	20.85	20.89	20.61	22.50	
		75	LOW	Q16	20.99	20.62	20.54	22.50	
		15	1	LOW	64QAM	21.07	21.18	20.73	22.50
				MID	64QAM	21.12	20.68	20.67	22.50
HIGH				64QAM	21.19	20.90	20.74	22.50	
36			LOW	64QAM	19.97	19.77	19.52	21.50	
	MID		64QAM	19.70	19.81	19.67	21.50		
	HIGH		64QAM	19.82	19.75	19.90	21.50		
75	LOW		64QAM	19.99	19.75	19.86	21.50		
20	20		1	LOW	QPSK	22.68	22.97	22.70	24.50
				MID	QPSK	22.61	22.89	22.61	24.50
		HIGH		QPSK	22.79	22.73	22.58	24.50	
		50	LOW	QPSK	21.60	21.96	21.67	23.50	
			MID	QPSK	21.52	21.87	21.66	23.50	
			HIGH	QPSK	21.78	21.80	21.56	23.50	
		100	LOW	QPSK	21.90	21.55	21.66	23.50	
		20	1	LOW	Q16	22.19	21.99	21.57	23.50
				MID	Q16	22.21	21.88	21.54	23.50
	HIGH			Q16	22.11	21.96	21.58	23.50	
	50		LOW	Q16	20.95	20.59	20.66	22.50	
			MID	Q16	20.88	20.55	20.71	22.50	
			HIGH	Q16	20.83	20.79	20.61	22.50	
	100		LOW	Q16	20.86	20.54	20.69	22.50	
	20		1	LOW	64QAM	21.14	21.05	20.69	22.50
				MID	64QAM	21.10	20.76	20.67	22.50
		HIGH		64QAM	21.06	20.92	20.63	22.50	
		50	LOW	64QAM	19.96	19.64	19.65	21.50	
MID			64QAM	19.83	19.67	19.57	21.50		
HIGH			64QAM	19.79	19.84	19.75	21.50		
100		LOW	64QAM	19.73	19.85	19.64	21.50		

LTE B4-DSI5 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.19	21.60	21.41	23.00	
		MID	QPSK	21.23	21.39	21.29	23.00	
		HIGH	QPSK	21.22	21.54	21.35	23.00	
	3	LOW	QPSK	21.29	21.52	21.34	23.00	
		MID	QPSK	21.33	21.32	21.28	23.00	
		HIGH	QPSK	21.31	21.28	21.31	23.00	
	6	LOW	QPSK	21.28	21.45	21.38	23.00	
	1.4	1	LOW	Q16	21.54	21.65	21.64	23.00
			MID	Q16	21.62	21.57	21.48	23.00
HIGH			Q16	21.49	21.74	21.40	23.00	
3		LOW	Q16	21.40	21.38	21.46	23.00	
		MID	Q16	21.57	21.60	21.33	23.00	
		HIGH	Q16	21.42	21.81	21.66	23.00	
6		LOW	Q16	20.55	20.97	20.93	22.50	
1.4		1	LOW	64QAM	21.15	21.21	21.08	22.50
			MID	64QAM	21.03	21.03	21.00	22.50
	HIGH		64QAM	21.07	21.11	20.87	22.50	
	3	LOW	64QAM	20.78	20.89	20.88	22.50	
		MID	64QAM	21.09	21.01	20.68	22.50	
		HIGH	64QAM	21.03	21.22	21.02	22.50	
	6	LOW	64QAM	19.68	20.06	19.85	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
	3	1	LOW	QPSK	21.32	21.35	21.16	23.00
MID			QPSK	21.18	21.30	21.31	23.00	
HIGH			QPSK	21.29	21.29	21.32	23.00	
8		LOW	QPSK	21.39	21.29	21.28	23.00	
		MID	QPSK	21.13	21.38	21.36	23.00	
		HIGH	QPSK	21.30	21.51	21.04	23.00	
15		LOW	QPSK	21.18	21.31	21.40	23.00	
3		1	LOW	Q16	21.38	21.63	21.66	23.00
			MID	Q16	21.44	21.85	21.49	23.00
	HIGH		Q16	21.61	21.74	21.67	23.00	
	8	LOW	Q16	20.86	21.09	20.83	22.50	
		MID	Q16	20.76	20.86	20.77	22.50	
		HIGH	Q16	20.77	20.94	20.81	22.50	
	15	LOW	Q16	20.60	20.83	20.89	22.50	
	3	1	LOW	64QAM	21.03	21.11	21.03	22.50
			MID	64QAM	20.99	21.18	20.86	22.50
HIGH			64QAM	21.05	21.37	21.15	22.50	
8		LOW	64QAM	19.89	20.12	20.02	21.50	
		MID	64QAM	19.77	19.70	19.92	21.50	
		HIGH	64QAM	19.74	20.03	19.74	21.50	
15		LOW	64QAM	19.64	19.92	19.93	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5		1	LOW	QPSK	21.09	21.42	21.19	23.00
	MID		QPSK	21.21	21.45	21.37	23.00	
	HIGH		QPSK	21.25	21.43	21.24	23.00	
	12	LOW	QPSK	21.40	21.42	21.49	23.00	
		MID	QPSK	21.23	21.39	21.44	23.00	
		HIGH	QPSK	21.07	21.50	21.09	23.00	
	25	LOW	QPSK	21.34	21.39	21.31	23.00	
	5	1	LOW	Q16	21.62	21.55	21.42	23.00
			MID	Q16	21.38	21.59	21.48	23.00
HIGH			Q16	21.61	21.79	21.48	23.00	
12		LOW	Q16	20.74	20.83	20.90	22.50	
		MID	Q16	20.79	20.86	20.76	22.50	
		HIGH	Q16	20.56	20.97	20.85	22.50	
25		LOW	Q16	20.79	20.77	20.78	22.50	
5		1	LOW	64QAM	21.15	21.03	20.92	22.50
			MID	64QAM	20.74	21.41	20.95	22.50
	HIGH		64QAM	21.05	21.10	21.11	22.50	
	12	LOW	64QAM	19.88	20.16	19.90	21.50	
		MID	64QAM	19.80	19.87	19.76	21.50	
		HIGH	64QAM	19.70	19.80	19.89	21.50	
	25	LOW	64QAM	19.68	19.73	19.77	21.50	



LTE B4-DSI5 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)	
10	1	LOW	QPSK	21.17	21.51	21.21	23.00	
		MID	QPSK	21.24	21.58	21.28	23.00	
		HIGH	QPSK	21.28	21.56	21.13	23.00	
	25	LOW	QPSK	21.12	21.43	21.45	23.00	
		MID	QPSK	21.23	21.54	21.37	23.00	
		HIGH	QPSK	21.05	21.53	21.16	23.00	
	50	LOW	QPSK	21.19	21.37	21.34	23.00	
	10	1	LOW	Q16	21.53	21.80	21.41	23.00
			MID	Q16	21.49	21.84	21.50	23.00
HIGH			Q16	21.55	21.63	21.69	23.00	
25		LOW	Q16	20.74	20.84	20.96	22.50	
		MID	Q16	20.81	20.89	20.79	22.50	
		HIGH	Q16	20.77	21.00	20.83	22.50	
50		LOW	Q16	20.64	20.78	20.70	22.50	
10		1	LOW	64QAM	21.19	21.01	20.89	22.50
			MID	64QAM	20.97	21.30	20.91	22.50
	HIGH		64QAM	21.12	21.09	21.19	22.50	
	25	LOW	64QAM	19.78	20.04	20.08	21.50	
		MID	64QAM	19.81	19.73	19.68	21.50	
		HIGH	64QAM	19.56	19.89	20.01	21.50	
	50	LOW	64QAM	19.85	19.67	19.90	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
	15	1	LOW	QPSK	21.33	21.55	21.23	23.00
MID			QPSK	21.29	21.41	21.24	23.00	
HIGH			QPSK	21.02	21.47	21.30	23.00	
36		LOW	QPSK	21.11	21.42	21.44	23.00	
		MID	QPSK	21.05	21.32	21.36	23.00	
		HIGH	QPSK	21.03	21.34	21.04	23.00	
75		LOW	QPSK	21.36	21.38	21.26	23.00	
15		1	LOW	Q16	21.63	21.81	21.61	23.00
			MID	Q16	21.59	21.59	21.38	23.00
	HIGH		Q16	21.58	21.73	21.50	23.00	
	36	LOW	Q16	20.61	20.93	20.97	22.50	
		MID	Q16	20.84	20.81	20.86	22.50	
		HIGH	Q16	20.65	20.72	20.62	22.50	
	75	LOW	Q16	20.68	20.84	20.87	22.50	
	15	1	LOW	64QAM	21.10	21.13	20.89	22.50
			MID	64QAM	20.94	21.20	20.98	22.50
HIGH			64QAM	20.93	21.23	21.22	22.50	
36		LOW	64QAM	19.92	19.92	20.02	21.50	
		MID	64QAM	19.91	19.89	19.81	21.50	
		HIGH	64QAM	19.84	20.01	19.98	21.50	
75		LOW	64QAM	19.69	19.73	19.98	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	21.23	21.46	21.30	23.00
	MID		QPSK	21.19	21.45	21.28	23.00	
	HIGH		QPSK	21.16	21.43	21.23	23.00	
	50	LOW	QPSK	21.26	21.44	21.36	23.00	
		MID	QPSK	21.20	21.43	21.40	23.00	
		HIGH	QPSK	21.18	21.40	21.18	23.00	
	100	LOW	QPSK	21.22	21.39	21.34	23.00	
	20	1	LOW	Q16	21.53	21.66	21.54	23.00
			MID	Q16	21.49	21.72	21.36	23.00
HIGH			Q16	21.46	21.67	21.55	23.00	
50		LOW	Q16	20.75	20.95	20.84	22.50	
		MID	Q16	20.71	20.92	20.82	22.50	
		HIGH	Q16	20.63	20.86	20.74	22.50	
100		LOW	Q16	20.66	20.89	20.83	22.50	
20		1	LOW	64QAM	21.18	21.01	20.91	22.50
			MID	64QAM	20.89	21.27	20.93	22.50
	HIGH		64QAM	20.97	21.24	21.15	22.50	
	50	LOW	64QAM	19.86	20.01	19.93	21.50	
		MID	64QAM	19.83	19.85	19.82	21.50	
		HIGH	64QAM	19.71	19.89	19.86	21.50	
	100	LOW	64QAM	19.73	19.74	19.79	21.50	

LTE B4-DS18&9&10 -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)		
1.4	1	LOW	QPSK	19.86	19.97	19.81	21.50		
		MID	QPSK	19.78	19.97	19.77	21.50		
		HIGH	QPSK	19.56	19.77	19.67	21.50		
	3	LOW	QPSK	19.86	19.84	19.88	21.50		
		MID	QPSK	19.81	20.04	19.63	21.50		
		HIGH	QPSK	19.81	19.88	19.81	21.50		
	6	LOW	QPSK	19.70	19.89	19.84	21.50		
	1.4	1	LOW	Q16	20.14	20.31	20.07	21.50	
			MID	Q16	20.23	20.17	20.14	21.50	
HIGH			Q16	19.99	20.30	19.90	21.50		
3		LOW	Q16	20.22	19.83	20.03	21.50		
		MID	Q16	20.15	20.35	19.93	21.50		
		HIGH	Q16	19.89	20.19	20.15	21.50		
6		LOW	Q16	19.67	20.00	19.91	21.50		
1.4		1	LOW	64QAM	20.04	20.33	19.97	21.50	
			MID	64QAM	20.18	20.09	20.10	21.50	
	HIGH		64QAM	19.94	20.41	19.75	21.50		
	3	LOW	64QAM	20.34	19.85	19.92	21.50		
		MID	64QAM	20.02	20.37	19.99	21.50		
		HIGH	64QAM	19.87	20.21	20.16	21.50		
	6	LOW	64QAM	19.76	19.87	20.05	21.50		
	3	3	1	LOW	QPSK	19.91	20.13	19.93	21.50
				MID	QPSK	19.61	19.90	19.65	21.50
HIGH				QPSK	19.72	19.76	19.75	21.50	
8			LOW	QPSK	19.78	20.00	19.81	21.50	
			MID	QPSK	19.88	20.14	19.78	21.50	
			HIGH	QPSK	19.73	19.94	19.76	21.50	
15			LOW	QPSK	19.72	19.83	19.90	21.50	
3			1	LOW	Q16	19.98	20.21	20.18	21.50
				MID	Q16	20.04	20.12	20.12	21.50
		HIGH		Q16	20.04	20.22	20.16	21.50	
		8	LOW	Q16	19.86	20.10	19.82	21.50	
			MID	Q16	19.85	19.89	19.97	21.50	
			HIGH	Q16	19.61	20.05	19.71	21.50	
		15	LOW	Q16	19.68	20.08	19.86	21.50	
		3	1	LOW	64QAM	20.03	20.16	20.11	21.50
				MID	64QAM	19.90	20.32	20.16	21.50
HIGH				64QAM	20.22	20.30	20.00	21.50	
8			LOW	64QAM	19.64	19.92	19.59	21.50	
	MID		64QAM	19.72	19.98	19.93	21.50		
	HIGH		64QAM	19.72	20.04	19.80	21.50		
15	LOW		64QAM	19.50	19.99	19.85	21.50		
5	5		1	LOW	QPSK	19.74	20.00	19.89	21.50
				MID	QPSK	19.58	19.90	19.68	21.50
		HIGH		QPSK	19.78	19.85	19.66	21.50	
		12	LOW	QPSK	19.72	20.02	19.81	21.50	
			MID	QPSK	19.78	19.92	19.81	21.50	
			HIGH	QPSK	19.82	19.76	19.84	21.50	
		25	LOW	QPSK	19.71	20.06	19.81	21.50	
		5	1	LOW	Q16	20.15	20.22	20.08	21.50
				MID	Q16	20.06	20.33	19.89	21.50
	HIGH			Q16	20.05	20.33	19.87	21.50	
	12		LOW	Q16	19.73	19.93	19.85	21.50	
			MID	Q16	19.65	20.09	20.02	21.50	
			HIGH	Q16	19.63	20.03	19.71	21.50	
	25		LOW	Q16	19.71	19.95	19.98	21.50	
	5		1	LOW	64QAM	20.16	20.10	19.91	21.50
				MID	64QAM	19.91	20.35	20.09	21.50
		HIGH		64QAM	20.29	20.22	20.02	21.50	
		12	LOW	64QAM	19.52	19.95	19.66	21.50	
MID			64QAM	19.80	19.84	19.87	21.50		
HIGH			64QAM	19.51	19.97	19.97	21.50		
25		LOW	64QAM	19.59	19.97	19.89	21.50		

LTE B4-DS18&9&10 -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)		
10	1	LOW	QPSK	19.62	19.99	19.68	21.50		
		MID	QPSK	19.55	20.03	19.68	21.50		
		HIGH	QPSK	19.81	19.87	19.74	21.50		
	25	LOW	QPSK	19.87	19.86	19.94	21.50		
		MID	QPSK	19.68	19.90	19.74	21.50		
		HIGH	QPSK	19.59	19.86	19.66	21.50		
	50	LOW	QPSK	19.73	19.83	19.97	21.50		
	10	1	LOW	Q16	20.25	20.15	20.08	21.50	
			MID	Q16	20.22	20.28	20.07	21.50	
HIGH			Q16	20.12	20.29	20.15	21.50		
25		LOW	Q16	19.73	19.85	19.80	21.50		
		MID	Q16	19.65	19.94	19.77	21.50		
		HIGH	Q16	19.58	19.94	19.74	21.50		
50		LOW	Q16	19.67	19.80	19.96	21.50		
10		1	LOW	64QAM	19.98	20.33	20.00	21.50	
			MID	64QAM	20.11	20.31	20.00	21.50	
	HIGH		64QAM	20.28	20.26	20.00	21.50		
	25	LOW	64QAM	19.80	19.99	19.77	21.50		
		MID	64QAM	19.58	19.81	19.92	21.50		
		HIGH	64QAM	19.77	19.92	19.77	21.50		
	50	LOW	64QAM	19.80	19.94	20.12	21.50		
	15	15	1	LOW	QPSK	19.69	20.06	19.90	21.50
				MID	QPSK	19.63	20.07	19.64	21.50
HIGH				QPSK	19.65	19.75	19.86	21.50	
36			LOW	QPSK	19.86	20.05	19.92	21.50	
			MID	QPSK	19.64	19.90	19.91	21.50	
			HIGH	QPSK	19.57	20.01	19.82	21.50	
75			LOW	QPSK	19.65	19.92	19.84	21.50	
15			1	LOW	Q16	19.98	20.42	20.24	21.50
				MID	Q16	20.09	20.11	20.17	21.50
		HIGH		Q16	20.14	20.36	19.90	21.50	
		36	LOW	Q16	19.64	19.98	19.76	21.50	
			MID	Q16	19.90	19.81	20.04	21.50	
			HIGH	Q16	19.55	19.94	19.70	21.50	
		75	LOW	Q16	19.63	19.80	19.77	21.50	
		15	1	LOW	64QAM	20.16	20.30	19.91	21.50
				MID	64QAM	19.91	20.37	20.14	21.50
HIGH				64QAM	20.26	20.24	20.06	21.50	
36			LOW	64QAM	19.79	20.12	19.81	21.50	
	MID		64QAM	19.61	19.73	20.02	21.50		
	HIGH		64QAM	19.79	19.79	19.80	21.50		
75	LOW		64QAM	19.63	19.94	19.89	21.50		
20	20		1	LOW	QPSK	19.77	19.98	19.81	21.50
				MID	QPSK	19.70	19.96	19.76	21.50
		HIGH		QPSK	19.70	19.90	19.78	21.50	
		50	LOW	QPSK	19.78	20.01	19.83	21.50	
			MID	QPSK	19.78	20.00	19.88	21.50	
			HIGH	QPSK	19.72	19.91	19.77	21.50	
		100	LOW	QPSK	19.73	19.95	19.87	21.50	
		20	1	LOW	Q16	20.10	20.29	20.10	21.50
				MID	Q16	20.08	20.25	20.03	21.50
	HIGH			Q16	20.03	20.30	20.01	21.50	
	50		LOW	Q16	19.75	19.98	19.84	21.50	
			MID	Q16	19.77	19.94	19.89	21.50	
			HIGH	Q16	19.69	19.91	19.79	21.50	
	100		LOW	Q16	19.74	19.93	19.86	21.50	
	20		1	LOW	64QAM	20.12	20.23	20.02	21.50
				MID	64QAM	20.04	20.29	20.09	21.50
		HIGH		64QAM	20.16	20.30	20.05	21.50	
		50	LOW	64QAM	19.66	20.00	19.69	21.50	
MID			64QAM	19.70	19.87	19.99	21.50		
HIGH			64QAM	19.65	19.89	19.90	21.50		
100		LOW	64QAM	19.71	19.73	20.00	21.50		

## 8.3.2 LTE Band4 Output Power

LTE B4-Full Power -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.95	22.79	22.60	24.50	
		MID	QPSK	23.01	22.64	22.63	24.50	
		HIGH	QPSK	22.62	22.68	22.64	24.50	
	3	LOW	QPSK	22.95	22.80	22.66	24.50	
		MID	QPSK	23.05	22.72	22.77	24.50	
		6	HIGH	QPSK	22.69	22.68	22.68	24.50
1.4	1	LOW	Q16	21.85	22.10	22.11	23.50	
		MID	Q16	22.08	22.15	21.89	23.50	
		HIGH	Q16	22.13	22.09	22.10	23.50	
	3	LOW	Q16	22.05	22.20	21.99	23.50	
		MID	Q16	22.19	22.17	21.87	23.50	
		6	HIGH	Q16	22.02	22.31	22.06	23.50
	1.4	1	LOW	Q16	20.51	20.79	20.62	22.50
			MID	Q16	20.82	20.62	20.97	22.50
			HIGH	Q16	20.90	20.79	20.71	22.50
3		LOW	64QAM	20.91	20.72	20.85	22.50	
		MID	64QAM	20.87	20.98	20.64	22.50	
		6	HIGH	64QAM	20.68	20.75	20.63	22.50
	6	LOW	64QAM	19.67	19.90	19.74	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)	
3	1	LOW	QPSK	23.00	22.89	22.82	24.50	
		MID	QPSK	22.99	22.88	22.65	24.50	
		HIGH	QPSK	22.53	22.65	22.64	24.50	
	8	LOW	QPSK	21.84	21.59	21.69	23.50	
		MID	QPSK	21.55	21.96	21.60	23.50	
		15	HIGH	QPSK	21.59	21.71	21.87	23.50
3	1	LOW	Q16	21.97	21.55	21.62	23.50	
		MID	Q16	21.83	22.21	22.04	23.50	
		HIGH	Q16	22.21	22.27	22.05	23.50	
	8	LOW	Q16	22.01	22.16	22.20	23.50	
		MID	Q16	20.64	20.73	20.79	22.50	
		15	HIGH	Q16	20.56	20.89	20.64	22.50
	3	1	LOW	Q16	20.77	20.77	20.69	22.50
			MID	Q16	20.50	20.84	20.70	22.50
			HIGH	Q16	20.91	20.80	20.78	22.50
8		LOW	64QAM	20.97	20.98	20.60	22.50	
		MID	64QAM	20.75	20.88	20.52	22.50	
		15	HIGH	64QAM	19.51	19.60	19.74	21.50
3	8	LOW	64QAM	19.65	19.54	19.68	21.50	
		MID	64QAM	19.60	19.73	19.67	21.50	
		15	HIGH	64QAM	19.60	19.73	19.67	21.50
	15	LOW	64QAM	19.78	19.91	19.77	21.50	

LTE B4-Full Power -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.98	22.74	22.78	24.50
		MID	QPSK	22.90	22.82	22.88	24.50
		HIGH	QPSK	22.56	22.63	22.53	24.50
	12	LOW	QPSK	21.82	21.61	21.71	23.50
		MID	QPSK	21.73	21.92	21.54	23.50
		HIGH	QPSK	21.59	21.94	21.75	23.50
25	LOW	QPSK	21.93	21.51	21.66	23.50	
5	1	LOW	Q16	22.09	22.11	21.90	23.50
		MID	Q16	22.16	22.17	21.81	23.50
		HIGH	Q16	21.94	22.17	21.94	23.50
	12	LOW	Q16	20.82	20.75	20.69	22.50
		MID	Q16	20.69	20.63	20.75	22.50
		HIGH	Q16	20.75	20.69	20.68	22.50
25	LOW	Q16	20.59	20.79	20.68	22.50	
5	1	LOW	64QAM	21.03	20.68	20.81	22.50
		MID	64QAM	21.00	20.90	20.70	22.50
		HIGH	64QAM	20.68	20.80	20.55	22.50
	12	LOW	64QAM	19.59	19.56	19.87	21.50
		MID	64QAM	19.63	19.75	19.65	21.50
		HIGH	64QAM	19.68	19.70	19.66	21.50
25	LOW	64QAM	19.62	19.85	19.62	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.92	22.92	22.76	24.50
		MID	QPSK	22.77	22.67	22.75	24.50
		HIGH	QPSK	22.56	22.65	22.62	24.50
	25	LOW	QPSK	21.95	21.72	21.66	23.50
		MID	QPSK	21.52	21.95	21.51	23.50
		HIGH	QPSK	21.63	21.74	21.85	23.50
50	LOW	QPSK	21.83	21.79	21.69	23.50	
10	1	LOW	Q16	22.12	21.92	21.94	23.50
		MID	Q16	22.27	22.10	21.94	23.50
		HIGH	Q16	22.13	22.28	21.93	23.50
	25	LOW	Q16	20.72	20.71	20.65	22.50
		MID	Q16	20.64	20.91	20.57	22.50
		HIGH	Q16	20.85	20.73	20.75	22.50
50	LOW	Q16	20.58	20.76	20.69	22.50	
10	1	LOW	64QAM	20.74	20.72	20.80	22.50
		MID	64QAM	21.00	20.89	20.62	22.50
		HIGH	64QAM	20.73	20.86	20.64	22.50
	25	LOW	64QAM	19.68	19.59	19.67	21.50
		MID	64QAM	19.82	19.58	19.54	21.50
		HIGH	64QAM	19.62	19.84	19.78	21.50
50	LOW	64QAM	19.68	19.85	19.85	21.50	

LTE B4-Full Power -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.80	22.95	22.86	24.50
		MID	QPSK	22.77	22.84	22.80	24.50
		HIGH	QPSK	22.65	22.74	22.66	24.50
	36	LOW	QPSK	21.74	21.78	21.75	23.50
		MID	QPSK	21.64	21.77	21.68	23.50
		HIGH	QPSK	21.56	21.95	21.77	23.50
75	LOW	QPSK	21.97	21.75	21.68	23.50	
15	1	LOW	Q16	21.93	21.91	21.96	23.50
		MID	Q16	22.03	22.21	21.86	23.50
		HIGH	Q16	22.01	22.09	22.06	23.50
	36	LOW	Q16	20.85	20.77	20.64	22.50
		MID	Q16	20.61	20.64	20.62	22.50
		HIGH	Q16	20.64	20.66	20.66	22.50
75	LOW	Q16	20.62	20.82	20.50	22.50	
15	1	LOW	64QAM	20.84	20.62	20.82	22.50
		MID	64QAM	20.87	20.74	20.71	22.50
		HIGH	64QAM	20.70	20.71	20.63	22.50
	36	LOW	64QAM	19.61	19.77	19.94	21.50
		MID	64QAM	19.80	19.80	19.70	21.50
		HIGH	64QAM	19.66	19.71	19.87	21.50
75	LOW	64QAM	19.81	19.71	19.80	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.95	22.87	22.74	24.50
		MID	QPSK	22.90	22.79	22.74	24.50
		HIGH	QPSK	22.50	22.59	22.51	24.50
	50	LOW	QPSK	21.81	21.71	21.61	23.50
		MID	QPSK	21.66	21.91	21.61	23.50
		HIGH	QPSK	21.51	21.83	21.85	23.50
100	LOW	QPSK	21.82	21.66	21.71	23.50	
20	1	LOW	Q16	21.98	22.06	21.96	23.50
		MID	Q16	22.15	22.19	21.93	23.50
		HIGH	Q16	22.01	22.19	22.08	23.50
	50	LOW	Q16	20.73	20.69	20.75	22.50
		MID	Q16	20.55	20.78	20.68	22.50
		HIGH	Q16	20.77	20.64	20.60	22.50
100	LOW	Q16	20.52	20.79	20.55	22.50	
20	1	LOW	64QAM	20.89	20.70	20.88	22.50
		MID	64QAM	20.89	20.83	20.57	22.50
		HIGH	64QAM	20.62	20.81	20.53	22.50
	50	LOW	64QAM	19.54	19.69	19.80	21.50
		MID	64QAM	19.68	19.67	19.58	21.50
		HIGH	64QAM	19.52	19.79	19.74	21.50
100	LOW	64QAM	19.66	19.85	19.70	21.50	

LTE B4-DSI2&3 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.43	20.38	20.14	21.00
		MID	QPSK	20.45	20.21	20.21	21.00
		HIGH	QPSK	19.96	20.12	20.26	21.00
	3	LOW	QPSK	20.30	20.35	20.11	21.00
		HIGH	QPSK	20.21	20.22	20.15	21.00
	6	LOW	QPSK	20.28	20.23	20.11	21.00
1.4	1	LOW	Q16	20.78	20.57	20.58	21.00
		MID	Q16	20.79	20.40	20.36	21.00
		HIGH	Q16	20.56	20.48	20.66	21.00
	3	LOW	Q16	20.85	20.69	20.56	21.00
		MID	Q16	20.82	20.38	20.50	21.00
	6	LOW	Q16	20.70	20.50	20.75	21.00
1.4	1	LOW	64QAM	19.96	20.36	20.20	21.00
		MID	64QAM	20.31	20.16	20.23	21.00
		HIGH	64QAM	20.08	20.31	20.08	21.00
	3	LOW	64QAM	19.97	20.23	20.13	21.00
		MID	64QAM	20.30	20.30	20.31	21.00
	6	HIGH	64QAM	20.09	20.24	20.23	21.00
19.98	20.14	20.29	21.00				
19.50	19.76	19.81	21.00				
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	20.44	20.46	20.32	21.00
		MID	QPSK	20.32	20.19	20.16	21.00
		HIGH	QPSK	20.11	20.05	20.37	21.00
	8	LOW	QPSK	20.15	20.26	20.23	21.00
		MID	QPSK	20.01	20.10	20.19	21.00
	HIGH	QPSK	20.07	20.32	20.39	21.00	
15	LOW	QPSK	20.32	20.07	19.92	21.00	
3	1	LOW	Q16	20.87	20.50	20.59	21.00
		MID	Q16	20.67	20.40	20.52	21.00
		HIGH	Q16	20.52	20.28	20.64	21.00
	8	LOW	Q16	20.24	20.05	20.04	21.00
		MID	Q16	20.42	20.41	20.24	21.00
	HIGH	Q16	20.39	20.46	20.10	21.00	
15	LOW	Q16	20.00	20.30	20.21	21.00	
3	1	LOW	64QAM	20.10	20.07	20.08	21.00
		MID	64QAM	20.14	20.37	20.27	21.00
		HIGH	64QAM	19.94	20.32	20.40	21.00
	8	LOW	64QAM	19.51	19.70	19.51	21.00
		MID	64QAM	19.34	19.39	19.68	21.00
	HIGH	64QAM	19.51	19.29	19.61	21.00	
15	LOW	64QAM	19.43	19.93	19.72	21.00	

LTE B4-DSI2&3 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	20.31	20.19	20.24	21.00
		MID	QPSK	20.47	20.33	20.33	21.00
		HIGH	QPSK	20.01	20.32	20.29	21.00
	12	LOW	QPSK	20.15	20.05	20.28	21.00
		MID	QPSK	20.02	20.17	20.11	21.00
		25	HIGH	QPSK	20.11	20.49	20.24
5	1	LOW	Q16	20.68	20.56	20.68	21.00
		MID	Q16	20.87	20.59	20.37	21.00
		HIGH	Q16	20.62	20.33	20.81	21.00
	12	LOW	Q16	20.51	20.23	20.15	21.00
		MID	Q16	20.16	20.33	20.26	21.00
		25	HIGH	Q16	20.20	20.34	20.29
5	1	LOW	64QAM	20.12	20.05	20.13	21.00
		MID	64QAM	20.01	20.44	20.07	21.00
		HIGH	64QAM	20.09	20.16	20.25	21.00
	12	LOW	64QAM	19.45	19.50	19.49	21.00
		MID	64QAM	19.54	19.48	19.57	21.00
		25	HIGH	64QAM	19.57	19.43	19.50
		LOW	64QAM	19.40	19.88	19.73	21.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	20.22	20.45	20.36	21.00
		MID	QPSK	20.24	20.28	20.20	21.00
		HIGH	QPSK	20.02	20.07	20.23	21.00
	25	LOW	QPSK	20.00	20.05	20.45	21.00
		MID	QPSK	20.19	20.34	19.91	21.00
		50	HIGH	QPSK	20.07	20.25	20.18
10	1	LOW	Q16	20.80	20.54	20.44	21.00
		MID	Q16	20.62	20.59	20.34	21.00
		HIGH	Q16	20.50	20.51	20.72	21.00
	25	LOW	Q16	20.34	20.29	20.05	21.00
		MID	Q16	20.23	20.31	20.14	21.00
		50	HIGH	Q16	20.20	20.31	20.10
10	1	LOW	Q16	20.05	20.27	20.02	21.00
		LOW	64QAM	20.20	20.14	20.37	21.00
		MID	64QAM	19.94	20.32	20.16	21.00
	25	HIGH	64QAM	19.93	20.34	20.37	21.00
		LOW	64QAM	19.45	19.63	19.69	21.00
		50	MID	64QAM	19.31	19.43	19.87
		HIGH	64QAM	19.34	19.37	19.53	21.00
		LOW	64QAM	19.58	19.65	19.67	21.00



LTE B4-DSI2&3 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)	
15	1	LOW	QPSK	20.49	20.25	20.21	21.00	
		MID	QPSK	20.26	20.29	20.42	21.00	
		HIGH	QPSK	20.17	20.32	20.45	21.00	
	36	LOW	QPSK	20.05	20.05	20.22	21.00	
		MID	QPSK	20.22	20.27	19.98	21.00	
		75	HIGH	QPSK	20.11	20.48	20.14	21.00
15	1	LOW	Q16	20.76	20.71	20.63	21.00	
		MID	Q16	20.87	20.64	20.44	21.00	
		HIGH	Q16	20.50	20.41	20.64	21.00	
	36	LOW	Q16	20.39	20.19	20.08	21.00	
		MID	Q16	20.12	20.37	20.14	21.00	
		HIGH	Q16	20.47	20.32	20.15	21.00	
		75	LOW	Q16	19.91	20.30	20.01	21.00
	15	1	LOW	64QAM	20.38	20.19	20.20	21.00
			MID	64QAM	20.11	20.45	20.05	21.00
HIGH			64QAM	19.90	20.23	20.27	21.00	
36		LOW	64QAM	19.65	19.53	19.50	21.00	
		MID	64QAM	19.34	19.38	19.77	21.00	
		HIGH	64QAM	19.52	19.41	19.70	21.00	
		75	LOW	64QAM	19.57	19.77	19.81	21.00
Bandwidth (MHz)		RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20		1	LOW	QPSK	20.37	20.32	20.22	21.00
	MID		QPSK	20.32	20.26	20.30	21.00	
	HIGH		QPSK	20.08	20.18	20.32	21.00	
	50	LOW	QPSK	20.11	20.16	20.36	21.00	
		MID	QPSK	20.08	20.23	20.05	21.00	
		100	HIGH	QPSK	20.00	20.34	20.27	21.00
20	1	LOW	Q16	20.79	20.59	20.58	21.00	
		MID	Q16	20.75	20.53	20.41	21.00	
		HIGH	Q16	20.60	20.41	20.76	21.00	
	50	LOW	Q16	20.36	20.19	20.18	21.00	
		MID	Q16	20.27	20.28	20.29	21.00	
		HIGH	Q16	20.33	20.36	20.21	21.00	
		100	LOW	Q16	20.04	20.37	20.13	21.00
	20	1	LOW	64QAM	20.23	20.18	20.22	21.00
			MID	64QAM	20.06	20.38	20.13	21.00
HIGH			64QAM	20.04	20.27	20.27	21.00	
50		LOW	64QAM	19.58	19.59	19.63	21.00	
		MID	64QAM	19.40	19.43	19.72	21.00	
		HIGH	64QAM	19.46	19.40	19.59	21.00	
		100	LOW	64QAM	19.51	19.79	19.72	21.00

LTE B4-DS14 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.95	22.79	22.60	24.50	
		MID	QPSK	23.01	22.64	22.63	24.50	
		HIGH	QPSK	22.62	22.68	22.64	24.50	
	3	LOW	QPSK	22.95	22.80	22.66	24.50	
		MID	QPSK	23.05	22.72	22.77	24.50	
	HIGH	QPSK	22.69	22.68	22.68	24.50		
1.4	1	LOW	Q16	21.85	22.10	22.11	23.50	
		MID	Q16	22.08	22.15	21.89	23.50	
		HIGH	Q16	22.13	22.09	22.10	23.50	
	3	LOW	Q16	22.05	22.20	21.99	23.50	
		MID	Q16	22.19	22.17	21.87	23.50	
		HIGH	Q16	22.02	22.31	22.06	23.50	
	6	LOW	Q16	20.51	20.79	20.62	22.50	
	1.4	1	LOW	64QAM	20.82	20.62	20.97	22.50
			MID	64QAM	20.90	20.79	20.71	22.50
HIGH			64QAM	20.70	20.75	20.68	22.50	
3		LOW	64QAM	20.91	20.72	20.85	22.50	
		MID	64QAM	20.87	20.98	20.64	22.50	
		HIGH	64QAM	20.68	20.75	20.63	22.50	
6	LOW	64QAM	19.67	19.90	19.74	21.50		
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)	
3	1	LOW	QPSK	23.00	22.89	22.82	24.50	
		MID	QPSK	22.99	22.88	22.65	24.50	
		HIGH	QPSK	22.53	22.65	22.64	24.50	
	8	LOW	QPSK	21.84	21.59	21.69	23.50	
		MID	QPSK	21.55	21.96	21.60	23.50	
	HIGH	QPSK	21.59	21.71	21.87	23.50		
15	LOW	QPSK	21.97	21.55	21.62	23.50		
3	1	LOW	Q16	21.83	22.21	22.04	23.50	
		MID	Q16	22.21	22.27	22.05	23.50	
		HIGH	Q16	22.01	22.16	22.20	23.50	
	8	LOW	Q16	20.64	20.73	20.79	22.50	
		MID	Q16	20.56	20.89	20.64	22.50	
	HIGH	Q16	20.77	20.77	20.69	22.50		
15	LOW	Q16	20.50	20.84	20.70	22.50		
3	1	LOW	64QAM	20.91	20.80	20.78	22.50	
		MID	64QAM	20.97	20.98	20.60	22.50	
		HIGH	64QAM	20.75	20.88	20.52	22.50	
	8	LOW	64QAM	19.51	19.60	19.74	21.50	
		MID	64QAM	19.65	19.54	19.68	21.50	
		HIGH	64QAM	19.60	19.73	19.67	21.50	
15	LOW	64QAM	19.78	19.91	19.77	21.50		

LTE B4-DS14 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	22.98	22.74	22.78	24.50
		MID	QPSK	22.90	22.82	22.88	24.50
		HIGH	QPSK	22.56	22.63	22.53	24.50
	12	LOW	QPSK	21.82	21.61	21.71	23.50
		MID	QPSK	21.73	21.92	21.54	23.50
		HIGH	QPSK	21.59	21.94	21.75	23.50
25	LOW	QPSK	21.93	21.51	21.66	23.50	
5	1	LOW	Q16	22.09	22.11	21.90	23.50
		MID	Q16	22.16	22.17	21.81	23.50
		HIGH	Q16	21.94	22.17	21.94	23.50
	12	LOW	Q16	20.82	20.75	20.69	22.50
		MID	Q16	20.69	20.63	20.75	22.50
		HIGH	Q16	20.75	20.69	20.68	22.50
25	LOW	Q16	20.59	20.79	20.68	22.50	
5	1	LOW	64QAM	21.03	20.68	20.81	22.50
		MID	64QAM	21.00	20.90	20.70	22.50
		HIGH	64QAM	20.68	20.80	20.55	22.50
	12	LOW	64QAM	19.59	19.56	19.87	21.50
		MID	64QAM	19.63	19.75	19.65	21.50
		HIGH	64QAM	19.68	19.70	19.66	21.50
25	LOW	64QAM	19.62	19.85	19.62	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	22.92	22.92	22.76	24.50
		MID	QPSK	22.77	22.67	22.75	24.50
		HIGH	QPSK	22.56	22.65	22.62	24.50
	25	LOW	QPSK	21.95	21.72	21.66	23.50
		MID	QPSK	21.52	21.95	21.51	23.50
		HIGH	QPSK	21.63	21.74	21.85	23.50
50	LOW	QPSK	21.83	21.79	21.69	23.50	
10	1	LOW	Q16	22.12	21.92	21.94	23.50
		MID	Q16	22.27	22.10	21.94	23.50
		HIGH	Q16	22.13	22.28	21.93	23.50
	25	LOW	Q16	20.72	20.71	20.65	22.50
		MID	Q16	20.64	20.91	20.57	22.50
		HIGH	Q16	20.85	20.73	20.75	22.50
50	LOW	Q16	20.58	20.76	20.69	22.50	
10	1	LOW	64QAM	20.74	20.72	20.80	22.50
		MID	64QAM	21.00	20.89	20.62	22.50
		HIGH	64QAM	20.73	20.86	20.64	22.50
	25	LOW	64QAM	19.68	19.59	19.67	21.50
		MID	64QAM	19.82	19.58	19.54	21.50
		HIGH	64QAM	19.62	19.84	19.78	21.50
50	LOW	64QAM	19.68	19.85	19.85	21.50	

LTE B4-DS14 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	22.80	22.95	22.86	24.50
		MID	QPSK	22.77	22.84	22.80	24.50
		HIGH	QPSK	22.65	22.74	22.66	24.50
	36	LOW	QPSK	21.74	21.78	21.75	23.50
		MID	QPSK	21.64	21.77	21.68	23.50
		HIGH	QPSK	21.56	21.95	21.77	23.50
75	LOW	QPSK	21.97	21.75	21.68	23.50	
15	1	LOW	Q16	21.93	21.91	21.96	23.50
		MID	Q16	22.03	22.21	21.86	23.50
		HIGH	Q16	22.01	22.09	22.06	23.50
	36	LOW	Q16	20.85	20.77	20.64	22.50
		MID	Q16	20.61	20.64	20.62	22.50
		HIGH	Q16	20.64	20.66	20.66	22.50
75	LOW	Q16	20.62	20.82	20.50	22.50	
15	1	LOW	64QAM	20.84	20.62	20.82	22.50
		MID	64QAM	20.87	20.74	20.71	22.50
		HIGH	64QAM	20.70	20.71	20.63	22.50
	36	LOW	64QAM	19.61	19.77	19.94	21.50
		MID	64QAM	19.80	19.80	19.70	21.50
		HIGH	64QAM	19.66	19.71	19.87	21.50
75	LOW	64QAM	19.81	19.71	19.80	21.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	22.95	22.87	22.74	24.50
		MID	QPSK	22.90	22.79	22.74	24.50
		HIGH	QPSK	22.50	22.59	22.51	24.50
	50	LOW	QPSK	21.81	21.71	21.61	23.50
		MID	QPSK	21.66	21.91	21.61	23.50
		HIGH	QPSK	21.51	21.83	21.85	23.50
100	LOW	QPSK	21.82	21.66	21.71	23.50	
20	1	LOW	Q16	21.98	22.06	21.96	23.50
		MID	Q16	22.15	22.19	21.93	23.50
		HIGH	Q16	22.01	22.19	22.08	23.50
	50	LOW	Q16	20.73	20.69	20.75	22.50
		MID	Q16	20.55	20.78	20.68	22.50
		HIGH	Q16	20.77	20.64	20.60	22.50
100	LOW	Q16	20.52	20.79	20.55	22.50	
20	1	LOW	64QAM	20.89	20.70	20.88	22.50
		MID	64QAM	20.89	20.83	20.57	22.50
		HIGH	64QAM	20.62	20.81	20.53	22.50
	50	LOW	64QAM	19.54	19.69	19.80	21.50
		MID	64QAM	19.68	19.67	19.58	21.50
		HIGH	64QAM	19.52	19.79	19.74	21.50
100	LOW	64QAM	19.66	19.85	19.70	21.50	

LTE B4-DS15 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	19.82	19.64	19.56	20.50
		MID	QPSK	19.60	19.65	19.54	20.50
		HIGH	QPSK	19.87	19.84	19.57	20.50
	3	LOW	QPSK	19.88	19.90	19.56	20.50
		HIGH	QPSK	19.62	19.60	19.54	20.50
	6	LOW	QPSK	19.49	19.58	19.89	20.50
1.4	1	LOW	Q16	20.01	20.07	20.03	20.50
		MID	Q16	19.84	20.26	19.72	20.50
		HIGH	Q16	20.30	20.00	20.03	20.50
	3	LOW	Q16	19.95	20.09	19.98	20.50
		MID	Q16	20.07	20.14	19.90	20.50
	6	LOW	Q16	20.39	19.80	20.16	20.50
1.4	1	LOW	64QAM	19.49	19.68	19.47	20.50
		MID	64QAM	19.79	19.77	19.82	20.50
		HIGH	64QAM	19.54	19.52	19.67	20.50
	3	LOW	64QAM	19.45	19.49	19.61	20.50
		MID	64QAM	19.93	19.81	19.73	20.50
	6	HIGH	64QAM	19.48	19.77	19.69	20.50
6	LOW	64QAM	19.61	19.56	19.70	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	19.86	19.67	19.74	20.50
		MID	QPSK	19.78	19.67	19.73	20.50
		HIGH	QPSK	19.89	19.74	19.42	20.50
	8	LOW	QPSK	19.80	19.61	19.63	20.50
		HIGH	QPSK	19.58	19.74	19.61	20.50
	15	LOW	QPSK	19.47	19.73	19.69	20.50
3	1	LOW	Q16	19.62	19.65	19.92	20.50
		MID	Q16	19.88	20.06	20.02	20.50
		HIGH	Q16	20.14	20.26	19.95	20.50
	8	LOW	Q16	20.19	19.81	19.97	20.50
		MID	Q16	19.45	19.79	19.75	20.50
	15	HIGH	Q16	19.79	19.63	19.42	20.50
3	1	LOW	64QAM	19.52	19.78	19.66	20.50
		MID	64QAM	19.37	19.59	19.67	20.50
		HIGH	64QAM	19.70	19.78	19.81	20.50
	8	LOW	64QAM	19.55	19.66	19.62	20.50
		MID	64QAM	19.65	19.59	19.80	20.50
	15	HIGH	64QAM	19.63	19.64	19.73	20.50
15	LOW	64QAM	19.75	19.77	19.79	20.50	
15	LOW	64QAM	19.54	19.82	19.67	20.50	

LTE B4-DS15 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	19.83	19.65	19.59	20.50	
		MID	QPSK	19.53	19.71	19.66	20.50	
		HIGH	QPSK	19.74	19.77	19.52	20.50	
	12	LOW	QPSK	19.81	19.71	19.81	20.50	
		HIGH	QPSK	19.69	19.70	19.36	20.50	
	25	LOW	QPSK	19.67	19.78	19.81	20.50	
5	1	LOW	Q16	20.01	20.05	19.80	20.50	
		MID	Q16	19.97	20.26	19.75	20.50	
		HIGH	Q16	20.20	19.99	20.02	20.50	
	12	LOW	Q16	19.41	19.71	19.61	20.50	
		MID	Q16	19.75	19.84	19.40	20.50	
	25	HIGH	Q16	19.71	19.68	19.70	20.50	
5	1	LOW	64QAM	19.50	19.55	19.46	20.50	
		MID	64QAM	19.64	19.88	19.59	20.50	
		HIGH	64QAM	19.44	19.76	19.66	20.50	
	12	LOW	64QAM	19.41	19.65	19.70	20.50	
		MID	64QAM	19.61	19.56	19.74	20.50	
	25	HIGH	64QAM	19.93	19.92	19.86	20.50	
Bandwidth (MHz)	10	1	LOW	20000	20175	20350	Tune-up power(dBm)	
			MID	20000	20175	20350	Tune-up power(dBm)	
			HIGH	20000	20175	20350	Tune-up power(dBm)	
	25	LOW	QPSK	19.88	19.67	19.76	20.50	
		MID	QPSK	19.56	19.63	19.67	20.50	
		HIGH	QPSK	19.90	19.55	19.69	20.50	
	50	LOW	QPSK	19.81	19.80	19.76	20.50	
		MID	QPSK	19.50	19.95	19.50	20.50	
		HIGH	QPSK	19.64	19.86	19.87	20.50	
	10	1	LOW	Q16	20.09	19.95	19.92	20.50
			MID	Q16	20.07	20.13	19.95	20.50
			HIGH	Q16	20.36	19.85	20.02	20.50
25		LOW	Q16	19.55	19.58	19.62	20.50	
		MID	Q16	19.64	19.76	19.48	20.50	
50		HIGH	Q16	19.46	19.66	19.62	20.50	
10	1	LOW	Q16	19.61	20.00	19.81	20.50	
		LOW	64QAM	19.39	19.54	19.68	20.50	
		MID	64QAM	19.93	19.89	19.82	20.50	
	25	HIGH	64QAM	19.49	19.75	19.44	20.50	
		LOW	64QAM	19.59	19.75	19.83	20.50	
	50	MID	64QAM	19.67	19.58	19.74	20.50	
Bandwidth (MHz)	10	1	LOW	20000	20175	20350	Tune-up power(dBm)	
			MID	20000	20175	20350	Tune-up power(dBm)	
			HIGH	20000	20175	20350	Tune-up power(dBm)	
	25	LOW	64QAM	19.65	19.81	19.69	20.50	
		MID	64QAM	19.65	19.81	19.69	20.50	
		HIGH	64QAM	19.65	19.81	19.69	20.50	
	50	LOW	64QAM	19.60	19.62	19.77	20.50	
		MID	64QAM	19.60	19.62	19.77	20.50	
		HIGH	64QAM	19.60	19.62	19.77	20.50	

LTE B4-DS15 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	19.96	19.78	19.66	20.50
		MID	QPSK	19.50	19.78	19.58	20.50
		HIGH	QPSK	19.63	19.73	19.69	20.50
	36	LOW	QPSK	19.83	19.55	19.79	20.50
		MID	QPSK	19.69	19.75	19.64	20.50
		HIGH	QPSK	19.53	19.86	19.93	20.50
75	LOW	QPSK	19.55	19.72	19.72	20.50	
15	1	LOW	Q16	19.88	20.18	19.80	20.50
		MID	Q16	19.91	20.31	19.83	20.50
		HIGH	Q16	20.26	19.88	20.14	20.50
	36	LOW	Q16	19.49	19.54	19.71	20.50
		MID	Q16	19.61	19.67	19.41	20.50
		HIGH	Q16	19.52	19.64	19.61	20.50
75	LOW	Q16	19.64	19.83	19.68	20.50	
15	1	LOW	64QAM	19.27	19.61	19.55	20.50
		MID	64QAM	19.82	19.75	19.77	20.50
		HIGH	64QAM	19.62	19.72	19.44	20.50
	36	LOW	64QAM	19.61	19.57	19.72	20.50
		MID	64QAM	19.61	19.46	19.88	20.50
		HIGH	64QAM	19.87	19.68	19.88	20.50
75	LOW	64QAM	19.55	19.81	19.62	20.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	19.87	19.78	19.71	20.50
		MID	QPSK	19.65	19.69	19.62	20.50
		HIGH	QPSK	19.75	19.70	19.57	20.50
	50	LOW	QPSK	19.72	19.66	19.74	20.50
		MID	QPSK	19.62	19.81	19.49	20.50
		HIGH	QPSK	19.53	19.82	19.79	20.50
100	LOW	QPSK	19.52	19.63	19.77	20.50	
20	1	LOW	Q16	19.94	20.06	19.90	20.50
		MID	Q16	19.99	20.17	19.87	20.50
		HIGH	Q16	20.26	19.89	20.08	20.50
	50	LOW	Q16	19.48	19.65	19.63	20.50
		MID	Q16	19.76	19.69	19.48	20.50
		HIGH	Q16	19.61	19.70	19.59	20.50
100	LOW	Q16	19.55	19.85	19.74	20.50	
20	1	LOW	64QAM	19.40	19.59	19.57	20.50
		MID	64QAM	19.79	19.78	19.70	20.50
		HIGH	64QAM	19.53	19.62	19.55	20.50
	50	LOW	64QAM	19.54	19.65	19.75	20.50
		MID	64QAM	19.54	19.59	19.81	20.50
		HIGH	64QAM	19.79	19.80	19.74	20.50
100	LOW	64QAM	19.66	19.71	19.63	20.50	

LTE B4-DSI8&9&10 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	18.47	18.32	18.18	19.00
		MID	QPSK	18.22	18.29	18.13	19.00
		HIGH	QPSK	17.96	18.34	18.14	19.00
	3	LOW	QPSK	18.54	18.34	18.18	19.00
		HIGH	QPSK	18.20	18.21	18.09	19.00
	6	LOW	QPSK	18.11	18.24	18.03	19.00
1.4	1	LOW	Q16	18.46	18.49	18.25	19.00
		MID	Q16	18.45	18.31	18.50	19.00
		HIGH	Q16	18.49	18.66	18.29	19.00
	3	LOW	Q16	18.55	18.33	18.53	19.00
		MID	Q16	18.32	18.35	18.56	19.00
	6	LOW	Q16	18.29	18.73	18.37	19.00
1.4	1	LOW	64QAM	18.03	18.22	18.16	19.00
		MID	64QAM	18.45	18.15	18.38	19.00
		HIGH	64QAM	18.40	18.23	18.22	19.00
	3	LOW	64QAM	18.32	18.21	18.34	19.00
		MID	64QAM	18.26	18.38	18.16	19.00
	6	HIGH	64QAM	18.61	18.11	18.16	19.00
18.12	18.16	18.36	19.00				
18.32	18.24	18.40	19.00				
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	18.45	18.32	18.41	19.00
		MID	QPSK	18.30	18.44	18.11	19.00
		HIGH	QPSK	18.18	18.14	18.16	19.00
	8	LOW	QPSK	18.25	18.05	18.16	19.00
		MID	QPSK	18.17	18.27	17.98	19.00
	HIGH	QPSK	18.31	18.14	18.25	19.00	
15	LOW	QPSK	17.96	18.20	18.12	19.00	
3	1	LOW	Q16	18.50	18.55	18.42	19.00
		MID	Q16	18.48	18.31	18.49	19.00
		HIGH	Q16	18.36	18.70	18.38	19.00
	8	LOW	Q16	17.93	18.28	18.13	19.00
		MID	Q16	18.00	18.15	18.12	19.00
	HIGH	Q16	17.93	18.21	18.24	19.00	
15	LOW	Q16	17.92	18.40	18.25	19.00	
3	1	LOW	64QAM	18.29	18.36	18.32	19.00
		MID	64QAM	18.58	18.03	18.03	19.00
		HIGH	64QAM	18.27	18.11	18.49	19.00
	8	LOW	64QAM	18.45	18.37	18.28	19.00
		MID	64QAM	18.07	18.16	18.17	19.00
	HIGH	64QAM	18.46	18.21	18.45	19.00	
15	LOW	64QAM	18.17	18.20	18.42	19.00	



LTE B4-DSI8&9&10 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)	
5	1	LOW	QPSK	18.39	18.27	18.28	19.00	
		MID	QPSK	18.09	18.26	18.35	19.00	
		HIGH	QPSK	18.05	18.19	18.05	19.00	
	12	LOW	QPSK	18.17	18.10	18.36	19.00	
		MID	QPSK	17.98	18.37	18.18	19.00	
		HIGH	QPSK	18.32	18.03	18.42	19.00	
	25	LOW	QPSK	17.94	18.17	18.13	19.00	
	5	1	LOW	Q16	18.58	18.42	18.25	19.00
			MID	Q16	18.50	18.39	18.65	19.00
HIGH			Q16	18.48	18.69	18.45	19.00	
12		LOW	Q16	18.12	18.20	18.04	19.00	
		MID	Q16	18.03	18.11	18.13	19.00	
		HIGH	Q16	18.05	18.31	17.97	19.00	
25		LOW	Q16	18.17	18.18	18.14	19.00	
5		1	LOW	64QAM	18.32	18.15	18.17	19.00
			MID	64QAM	18.53	18.04	18.29	19.00
	HIGH		64QAM	18.25	18.12	18.40	19.00	
	12	LOW	64QAM	18.48	18.20	18.27	19.00	
		MID	64QAM	18.19	18.31	18.40	19.00	
		HIGH	64QAM	18.39	18.30	18.55	19.00	
	25	LOW	64QAM	18.29	17.97	18.53	19.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
	10	1	LOW	QPSK	18.45	18.35	18.27	19.00
MID			QPSK	18.37	18.16	18.38	19.00	
HIGH			QPSK	17.91	18.24	18.04	19.00	
25		LOW	QPSK	18.25	18.34	18.37	19.00	
		MID	QPSK	18.25	18.18	18.14	19.00	
		HIGH	QPSK	18.08	17.95	18.34	19.00	
50		LOW	QPSK	18.11	18.05	18.24	19.00	
10		1	LOW	Q16	18.44	18.45	18.27	19.00
			MID	Q16	18.48	18.27	18.61	19.00
	HIGH		Q16	18.31	18.71	18.47	19.00	
	25	LOW	Q16	17.95	18.15	18.22	19.00	
		MID	Q16	17.95	18.14	18.15	19.00	
		HIGH	Q16	18.23	18.27	18.05	19.00	
	50	LOW	Q16	18.09	18.25	18.11	19.00	
	10	1	LOW	64QAM	18.33	18.35	18.24	19.00
			MID	64QAM	18.48	18.15	18.21	19.00
HIGH			64QAM	18.13	18.10	18.54	19.00	
25		LOW	64QAM	18.50	18.17	18.28	19.00	
		MID	64QAM	18.28	18.21	18.28	19.00	
		HIGH	64QAM	18.44	18.42	18.52	19.00	
50		LOW	64QAM	18.17	18.05	18.44	19.00	

LTE B4-DSI8&9&10 -Ant.11 (ENDC)							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	18.53	18.41	18.30	19.00
		MID	QPSK	18.21	18.15	18.35	19.00
		HIGH	QPSK	18.18	18.34	18.21	19.00
	36	LOW	QPSK	18.28	18.06	18.42	19.00
		MID	QPSK	18.22	18.26	18.04	19.00
		HIGH	QPSK	18.22	18.21	18.47	19.00
75	LOW	QPSK	17.87	18.31	18.13	19.00	
15	1	LOW	Q16	18.42	18.31	18.52	19.00
		MID	Q16	18.36	18.40	18.51	19.00
		HIGH	Q16	18.27	18.53	18.31	19.00
	36	LOW	Q16	17.92	18.13	18.28	19.00
		MID	Q16	18.02	18.04	18.06	19.00
		HIGH	Q16	17.98	18.27	18.05	19.00
75	LOW	Q16	18.19	18.34	18.06	19.00	
15	1	LOW	64QAM	18.39	18.26	18.19	19.00
		MID	64QAM	18.47	18.04	18.32	19.00
		HIGH	64QAM	18.15	18.31	18.37	19.00
	36	LOW	64QAM	18.35	18.29	18.19	19.00
		MID	64QAM	18.17	18.27	18.32	19.00
		HIGH	64QAM	18.29	18.27	18.29	19.00
75	LOW	64QAM	18.24	18.09	18.55	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	18.43	18.32	18.29	19.00
		MID	QPSK	18.23	18.30	18.23	19.00
		HIGH	QPSK	18.05	18.19	18.12	19.00
	50	LOW	QPSK	18.24	18.19	18.31	19.00
		MID	QPSK	18.12	18.33	18.09	19.00
		HIGH	QPSK	18.23	18.09	18.37	19.00
100	LOW	QPSK	18.01	18.16	18.16	19.00	
20	1	LOW	Q16	18.50	18.43	18.40	19.00
		MID	Q16	18.41	18.37	18.51	19.00
		HIGH	Q16	18.38	18.59	18.44	19.00
	50	LOW	Q16	18.01	18.20	18.14	19.00
		MID	Q16	18.02	18.08	18.05	19.00
		HIGH	Q16	18.08	18.34	18.11	19.00
100	LOW	Q16	18.04	18.31	18.17	19.00	
20	1	LOW	64QAM	18.32	18.30	18.29	19.00
		MID	64QAM	18.49	18.18	18.17	19.00
		HIGH	64QAM	18.19	18.16	18.40	19.00
	50	LOW	64QAM	18.44	18.28	18.24	19.00
		MID	64QAM	18.14	18.26	18.31	19.00
		HIGH	64QAM	18.33	18.35	18.43	19.00
100	LOW	64QAM	18.24	18.12	18.40	19.00	

## 8.3.2 LTE Band4 Output Power(UL Inter CA)

LTE B4-Full Power -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.87	20.83	20.96	22.50
		MID	QPSK	20.98	21.09	20.90	22.50
		HIGH	QPSK	21.14	20.91	21.11	22.50
	3	LOW	QPSK	20.99	20.73	20.98	22.50
		HIGH	QPSK	21.04	21.10	21.24	22.50
	6	LOW	QPSK	20.03	20.02	20.02	21.50
1.4	1	LOW	Q16	19.98	19.99	20.10	21.50
		MID	Q16	20.00	19.98	20.20	21.50
		HIGH	Q16	19.99	19.95	19.88	21.50
	3	LOW	Q16	19.90	20.16	19.99	21.50
		MID	Q16	19.82	20.06	20.05	21.50
	6	LOW	Q16	20.05	19.83	19.77	21.50
1.4	1	LOW	64QAM	19.25	19.20	19.09	20.50
		MID	64QAM	19.13	18.99	18.78	20.50
		HIGH	64QAM	18.86	19.09	19.11	20.50
	3	LOW	64QAM	19.00	18.96	18.87	20.50
		MID	64QAM	19.13	19.02	18.78	20.50
	6	LOW	64QAM	19.09	18.95	19.15	20.50
1.4	1	LOW	64QAM	18.81	19.16	18.92	20.50
		MID	64QAM	18.81	19.16	18.92	20.50
		HIGH	64QAM	18.81	19.16	18.92	20.50
	3	LOW	64QAM	18.10	17.85	17.97	19.50
		MID	64QAM	18.10	17.85	17.97	19.50
	6	LOW	64QAM	18.10	17.85	17.97	19.50
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.08	20.92	20.95	22.50
		MID	QPSK	20.98	21.13	20.93	22.50
		HIGH	QPSK	21.15	21.02	21.14	22.50
	8	LOW	QPSK	19.81	19.81	20.01	21.50
		MID	QPSK	19.92	19.88	19.94	21.50
	15	HIGH	QPSK	19.87	19.96	19.83	21.50
3	1	LOW	Q16	19.85	20.05	20.08	21.50
		MID	Q16	20.07	20.14	20.07	21.50
		HIGH	Q16	19.75	19.89	20.29	21.50
	8	LOW	Q16	20.08	19.83	19.87	21.50
		MID	Q16	18.98	19.11	19.19	20.50
	15	HIGH	Q16	18.87	18.97	18.97	20.50
3	1	LOW	Q16	18.74	19.06	18.96	20.50
		MID	Q16	18.74	19.06	18.96	20.50
		HIGH	Q16	18.74	19.06	18.96	20.50
	8	LOW	Q16	18.97	19.00	18.91	20.50
		MID	Q16	18.97	19.00	18.91	20.50
	15	HIGH	Q16	18.97	19.00	18.91	20.50
3	1	LOW	64QAM	19.10	19.03	18.97	20.50
		MID	64QAM	18.99	18.99	19.20	20.50
		HIGH	64QAM	18.89	18.95	19.02	20.50
	8	LOW	64QAM	17.80	18.05	18.01	19.50
		MID	64QAM	17.80	18.05	18.01	19.50
	15	HIGH	64QAM	18.02	18.08	17.94	19.50
3	8	LOW	64QAM	18.06	18.23	17.82	19.50
		MID	64QAM	18.06	18.23	17.82	19.50
	15	HIGH	64QAM	18.06	18.23	17.82	19.50

LTE B4-Full Power -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	20.95	20.94	20.97	22.50
		MID	QPSK	21.23	21.15	20.90	22.50
		HIGH	QPSK	20.99	20.86	21.03	22.50
	12	LOW	QPSK	19.98	20.03	20.11	21.50
		MID	QPSK	19.80	19.82	19.83	21.50
		HIGH	QPSK	20.01	19.89	19.90	21.50
25	LOW	QPSK	19.82	20.07	20.01	21.50	
5	1	LOW	Q16	20.04	20.01	19.95	21.50
		MID	Q16	19.82	19.82	20.17	21.50
		HIGH	Q16	20.16	20.06	19.91	21.50
	12	LOW	Q16	19.06	18.98	18.99	20.50
		MID	Q16	18.86	18.89	18.84	20.50
		HIGH	Q16	18.98	18.98	19.06	20.50
25	LOW	Q16	19.25	19.24	19.01	20.50	
5	1	LOW	64QAM	19.20	18.99	18.74	20.50
		MID	64QAM	18.88	19.10	19.15	20.50
		HIGH	64QAM	18.83	19.14	19.14	20.50
	12	LOW	64QAM	18.01	18.12	18.11	19.50
		MID	64QAM	18.11	18.04	17.80	19.50
		HIGH	64QAM	18.03	18.04	17.92	19.50
25	LOW	64QAM	18.08	18.11	18.06	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	21.04	20.75	20.87	22.50
		MID	QPSK	21.02	20.96	21.05	22.50
		HIGH	QPSK	21.15	20.93	21.12	22.50
	25	LOW	QPSK	20.05	19.91	19.97	21.50
		MID	QPSK	19.77	19.76	19.76	21.50
		HIGH	QPSK	20.02	19.91	19.91	21.50
50	LOW	QPSK	20.01	20.07	20.10	21.50	
10	1	LOW	Q16	19.95	20.08	20.15	21.50
		MID	Q16	19.77	19.81	20.01	21.50
		HIGH	Q16	20.18	19.89	19.72	21.50
	25	LOW	Q16	19.15	19.03	19.05	20.50
		MID	Q16	19.11	19.11	19.03	20.50
		HIGH	Q16	18.86	19.05	19.03	20.50
50	LOW	Q16	19.01	19.17	18.84	20.50	
10	1	LOW	64QAM	19.13	19.05	18.88	20.50
		MID	64QAM	19.01	19.02	19.05	20.50
		HIGH	64QAM	18.83	18.96	19.14	20.50
	25	LOW	64QAM	18.05	18.08	18.16	19.50
		MID	64QAM	18.13	18.08	17.84	19.50
		HIGH	64QAM	18.02	18.08	17.92	19.50
50	LOW	64QAM	17.93	17.90	18.14	19.50	

LTE B4-Full Power -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	20.91	20.87	20.77	22.50
		MID	QPSK	20.99	20.98	20.83	22.50
		HIGH	QPSK	21.09	20.91	21.16	22.50
	36	LOW	QPSK	19.88	19.96	20.02	21.50
		MID	QPSK	19.87	19.95	19.77	21.50
		HIGH	QPSK	19.89	19.82	19.90	21.50
75	LOW	QPSK	20.06	19.92	20.04	21.50	
15	1	LOW	Q16	20.07	20.02	20.09	21.50
		MID	Q16	19.91	20.00	20.03	21.50
		HIGH	Q16	20.18	20.06	19.96	21.50
	36	LOW	Q16	18.96	19.00	19.17	20.50
		MID	Q16	18.94	19.17	19.07	20.50
		HIGH	Q16	18.96	19.17	18.82	20.50
75	LOW	Q16	19.00	19.14	18.86	20.50	
15	1	LOW	64QAM	19.07	19.13	19.03	20.50
		MID	64QAM	19.01	18.96	19.22	20.50
		HIGH	64QAM	19.07	19.15	19.13	20.50
	36	LOW	64QAM	17.91	17.93	17.97	19.50
		MID	64QAM	18.20	18.09	17.91	19.50
		HIGH	64QAM	18.06	18.02	17.78	19.50
75	LOW	64QAM	18.17	18.11	18.20	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	20.94	20.88	20.90	22.50
		MID	QPSK	21.12	21.00	20.97	22.50
		HIGH	QPSK	21.00	20.97	21.15	22.50
	50	LOW	QPSK	19.90	19.89	19.96	21.50
		MID	QPSK	19.90	19.89	19.86	21.50
		HIGH	QPSK	19.99	19.85	19.85	21.50
100	LOW	QPSK	19.93	20.06	20.14	21.50	
20	1	LOW	Q16	20.02	20.04	20.03	21.50
		MID	Q16	19.90	19.96	20.15	21.50
		HIGH	Q16	20.07	19.95	19.85	21.50
	50	LOW	Q16	19.10	19.13	19.07	20.50
		MID	Q16	19.01	19.03	18.93	20.50
		HIGH	Q16	18.88	19.04	18.96	20.50
100	LOW	Q16	19.10	19.11	18.99	20.50	
20	1	LOW	64QAM	19.05	19.08	18.89	20.50
		MID	64QAM	18.95	18.95	19.09	20.50
		HIGH	64QAM	18.94	19.09	19.00	20.50
	50	LOW	64QAM	17.90	18.00	18.03	19.50
		MID	64QAM	18.05	18.04	17.90	19.50
		HIGH	64QAM	17.94	18.10	17.90	19.50
100	LOW	64QAM	18.07	18.00	18.05	19.50	

LTE B4-DSI2&3 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	17.46	17.62	17.42	19.00
		MID	QPSK	17.76	17.72	17.55	19.00
		HIGH	QPSK	17.66	17.51	17.50	19.00
	3	LOW	QPSK	17.52	17.57	17.29	19.00
		MID	QPSK	17.57	17.45	17.65	19.00
	HIGH	QPSK	17.54	17.61	17.31	19.00	
6	LOW	QPSK	17.32	17.57	17.76	19.00	
1.4	1	LOW	Q16	17.74	17.61	17.50	19.00
		MID	Q16	17.77	17.59	17.38	19.00
		HIGH	Q16	17.48	17.68	17.26	19.00
	3	LOW	Q16	17.62	17.41	17.46	19.00
		MID	Q16	17.58	17.56	17.42	19.00
	HIGH	Q16	17.35	17.73	17.55	19.00	
6	LOW	Q16	17.76	17.42	17.39	19.00	
1.4	1	LOW	64QAM	17.51	17.39	17.42	19.00
		MID	64QAM	17.51	17.34	17.56	19.00
		HIGH	64QAM	17.36	17.46	17.70	19.00
	3	LOW	64QAM	17.52	17.30	17.62	19.00
		MID	64QAM	17.59	17.23	17.40	19.00
	HIGH	64QAM	17.36	17.67	17.72	19.00	
6	LOW	64QAM	17.60	17.44	17.74	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	17.42	17.47	17.48	19.00
		MID	QPSK	17.48	17.52	17.61	19.00
		HIGH	QPSK	17.60	17.64	17.20	19.00
	8	LOW	QPSK	17.42	17.65	17.57	19.00
		MID	QPSK	17.34	17.55	17.50	19.00
	HIGH	QPSK	17.65	17.54	17.53	19.00	
15	LOW	QPSK	17.35	17.59	17.50	19.00	
3	1	LOW	Q16	17.57	17.44	17.64	19.00
		MID	Q16	17.73	17.58	17.54	19.00
		HIGH	Q16	17.62	17.60	17.45	19.00
	8	LOW	Q16	17.40	17.45	17.75	19.00
		MID	Q16	17.42	17.59	17.61	19.00
	HIGH	Q16	17.46	17.42	17.55	19.00	
15	LOW	Q16	17.64	17.37	17.38	19.00	
3	1	LOW	64QAM	17.49	17.39	17.48	19.00
		MID	64QAM	17.48	17.46	17.33	19.00
		HIGH	64QAM	17.57	17.68	17.59	19.00
	8	LOW	64QAM	17.41	17.72	17.47	19.00
		MID	64QAM	17.45	17.73	17.54	19.00
	HIGH	64QAM	17.73	17.59	17.43	19.00	
15	LOW	64QAM	17.56	17.43	17.58	19.00	

LTE B4-DSI2&3 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	17.45	17.73	17.50	19.00
		MID	QPSK	17.75	17.73	17.56	19.00
		HIGH	QPSK	17.59	17.65	17.20	19.00
	12	LOW	QPSK	17.45	17.53	17.34	19.00
		MID	QPSK	17.62	17.43	17.53	19.00
		HIGH	QPSK	17.58	17.41	17.70	19.00
25	LOW	QPSK	17.24	17.40	17.80	19.00	
5	1	LOW	Q16	17.67	17.41	17.43	19.00
		MID	Q16	17.54	17.58	17.37	19.00
		HIGH	Q16	17.48	17.67	17.41	19.00
	12	LOW	Q16	17.33	17.36	17.73	19.00
		MID	Q16	17.30	17.53	17.51	19.00
		HIGH	Q16	17.32	17.47	17.59	19.00
25	LOW	Q16	17.52	17.45	17.49	19.00	
5	1	LOW	64QAM	17.52	17.53	17.62	19.00
		MID	64QAM	17.54	17.47	17.50	19.00
		HIGH	64QAM	17.46	17.62	17.57	19.00
	12	LOW	64QAM	17.48	17.63	17.62	19.00
		MID	64QAM	17.34	17.77	17.56	19.00
		HIGH	64QAM	17.65	17.66	17.51	19.00
25	LOW	64QAM	17.42	17.47	17.56	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.56	17.66	17.24	19.00
		MID	QPSK	17.66	17.73	17.44	19.00
		HIGH	QPSK	17.60	17.65	17.22	19.00
	25	LOW	QPSK	17.43	17.65	17.44	19.00
		MID	QPSK	17.47	17.35	17.26	19.00
		HIGH	QPSK	17.59	17.49	17.58	19.00
50	LOW	QPSK	17.23	17.39	17.57	19.00	
10	1	LOW	Q16	17.56	17.55	17.57	19.00
		MID	Q16	17.73	17.60	17.53	19.00
		HIGH	Q16	17.62	17.53	17.48	19.00
	25	LOW	Q16	17.43	17.57	17.58	19.00
		MID	Q16	17.43	17.63	17.42	19.00
		HIGH	Q16	17.50	17.53	17.41	19.00
50	LOW	Q16	17.59	17.54	17.57	19.00	
10	1	LOW	64QAM	17.43	17.57	17.62	19.00
		MID	64QAM	17.77	17.38	17.58	19.00
		HIGH	64QAM	17.51	17.45	17.67	19.00
	25	LOW	64QAM	17.54	17.49	17.53	19.00
		MID	64QAM	17.25	17.57	17.41	19.00
		HIGH	64QAM	17.54	17.40	17.53	19.00
50	LOW	64QAM	17.58	17.50	17.56	19.00	

LTE B4-DSI2&3 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	17.51	17.65	17.38	19.00
		MID	QPSK	17.74	17.44	17.72	19.00
		HIGH	QPSK	17.68	17.58	17.26	19.00
	36	LOW	QPSK	17.70	17.43	17.49	19.00
		MID	QPSK	17.39	17.55	17.31	19.00
		HIGH	QPSK	17.71	17.56	17.54	19.00
75	LOW	QPSK	17.30	17.50	17.64	19.00	
15	1	LOW	Q16	17.60	17.51	17.36	19.00
		MID	Q16	17.74	17.38	17.59	19.00
		HIGH	Q16	17.46	17.76	17.55	19.00
	36	LOW	Q16	17.49	17.53	17.70	19.00
		MID	Q16	17.36	17.68	17.56	19.00
		HIGH	Q16	17.40	17.59	17.60	19.00
75	LOW	Q16	17.50	17.40	17.51	19.00	
15	1	LOW	64QAM	17.46	17.50	17.63	19.00
		MID	64QAM	17.47	17.34	17.39	19.00
		HIGH	64QAM	17.63	17.68	17.64	19.00
	36	LOW	64QAM	17.58	17.49	17.47	19.00
		MID	64QAM	17.36	17.66	17.44	19.00
		HIGH	64QAM	17.75	17.55	17.65	19.00
75	LOW	64QAM	17.59	17.36	17.61	19.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.41	17.59	17.37	19.00
		MID	QPSK	17.62	17.59	17.57	19.00
		HIGH	QPSK	17.63	17.60	17.35	19.00
	50	LOW	QPSK	17.56	17.56	17.44	19.00
		MID	QPSK	17.47	17.45	17.38	19.00
		HIGH	QPSK	17.64	17.51	17.61	19.00
100	LOW	QPSK	17.37	17.45	17.65	19.00	
20	1	LOW	Q16	17.65	17.55	17.51	19.00
		MID	Q16	17.62	17.51	17.45	19.00
		HIGH	Q16	17.49	17.62	17.41	19.00
	50	LOW	Q16	17.35	17.49	17.60	19.00
		MID	Q16	17.39	17.63	17.48	19.00
		HIGH	Q16	17.39	17.54	17.47	19.00
100	LOW	Q16	17.62	17.40	17.50	19.00	
20	1	LOW	64QAM	17.45	17.43	17.57	19.00
		MID	64QAM	17.62	17.38	17.44	19.00
		HIGH	64QAM	17.50	17.54	17.62	19.00
	50	LOW	64QAM	17.43	17.62	17.59	19.00
		MID	64QAM	17.38	17.63	17.56	19.00
		HIGH	64QAM	17.65	17.54	17.56	19.00
100	LOW	64QAM	17.52	17.40	17.61	19.00	



LTE B4-DSI4 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	20.87	20.83	20.96	22.50
		MID	QPSK	20.98	21.09	20.90	22.50
		HIGH	QPSK	21.14	20.91	21.11	22.50
	3	LOW	QPSK	20.99	20.73	20.98	22.50
		HIGH	QPSK	21.04	21.10	20.84	22.50
	6	LOW	QPSK	20.03	20.02	20.02	21.50
1.4	1	LOW	Q16	19.98	19.99	20.10	21.50
		MID	Q16	20.00	19.98	20.20	21.50
		HIGH	Q16	19.99	19.95	19.88	21.50
	3	LOW	Q16	19.90	20.16	19.99	21.50
		MID	Q16	19.82	20.06	20.05	21.50
	6	HIGH	Q16	20.05	19.83	19.77	21.50
1.4	1	LOW	64QAM	19.13	18.99	18.78	20.50
		MID	64QAM	18.86	19.09	19.11	20.50
		HIGH	64QAM	19.00	18.96	18.87	20.50
	3	LOW	64QAM	19.13	19.02	18.78	20.50
		MID	64QAM	19.09	18.95	19.15	20.50
	6	HIGH	64QAM	18.81	19.16	18.92	20.50
6	LOW	64QAM	18.10	17.85	17.97	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	21.08	20.92	20.95	22.50
		MID	QPSK	20.98	21.13	20.93	22.50
		HIGH	QPSK	21.15	21.02	21.14	22.50
	8	LOW	QPSK	19.81	19.81	20.01	21.50
		MID	QPSK	19.92	19.88	19.94	21.50
	15	HIGH	QPSK	19.87	19.96	19.83	21.50
3	1	LOW	Q16	20.07	20.14	20.07	21.50
		MID	Q16	19.75	19.89	20.29	21.50
		HIGH	Q16	20.08	19.83	19.87	21.50
	8	LOW	Q16	18.98	19.11	19.19	20.50
		MID	Q16	18.87	18.97	18.97	20.50
	15	HIGH	Q16	18.74	19.06	18.96	20.50
3	1	LOW	Q16	18.97	19.00	18.91	20.50
		LOW	64QAM	19.10	19.03	18.97	20.50
		MID	64QAM	18.99	18.99	19.20	20.50
	8	HIGH	64QAM	18.89	18.95	19.02	20.50
		LOW	64QAM	17.80	18.05	18.01	19.50
	15	MID	64QAM	18.02	18.08	17.94	19.50
15	HIGH	64QAM	18.06	18.23	17.82	19.50	
15	LOW	64QAM	18.17	17.88	17.99	19.50	

LTE B4-DSI4 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	20.95	20.94	20.97	22.50
		MID	QPSK	21.23	21.15	20.90	22.50
		HIGH	QPSK	20.99	20.86	21.03	22.50
	12	LOW	QPSK	19.98	20.03	20.11	21.50
		MID	QPSK	19.80	19.82	19.83	21.50
		HIGH	QPSK	20.01	19.89	19.90	21.50
25	LOW	QPSK	19.82	20.07	20.01	21.50	
5	1	LOW	Q16	20.04	20.01	19.95	21.50
		MID	Q16	19.82	19.82	20.17	21.50
		HIGH	Q16	20.16	20.06	19.91	21.50
	12	LOW	Q16	19.06	18.98	18.99	20.50
		MID	Q16	18.86	18.89	18.84	20.50
		HIGH	Q16	18.98	18.98	19.06	20.50
25	LOW	Q16	19.25	19.24	19.01	20.50	
5	1	LOW	64QAM	19.20	18.99	18.74	20.50
		MID	64QAM	18.88	19.10	19.15	20.50
		HIGH	64QAM	18.83	19.14	19.14	20.50
	12	LOW	64QAM	18.01	18.12	18.11	19.50
		MID	64QAM	18.11	18.04	17.80	19.50
		HIGH	64QAM	18.03	18.04	17.92	19.50
25	LOW	64QAM	18.08	18.11	18.06	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	21.04	20.75	20.87	22.50
		MID	QPSK	21.02	20.96	21.05	22.50
		HIGH	QPSK	21.15	20.93	21.12	22.50
	25	LOW	QPSK	20.05	19.91	19.97	21.50
		MID	QPSK	19.77	19.76	19.76	21.50
		HIGH	QPSK	20.02	19.91	19.91	21.50
50	LOW	QPSK	20.01	20.07	20.10	21.50	
10	1	LOW	Q16	19.95	20.08	20.15	21.50
		MID	Q16	19.77	19.81	20.01	21.50
		HIGH	Q16	20.18	19.89	19.72	21.50
	25	LOW	Q16	19.15	19.03	19.05	20.50
		MID	Q16	19.11	19.11	19.03	20.50
		HIGH	Q16	18.86	19.05	19.03	20.50
50	LOW	Q16	19.01	19.17	18.84	20.50	
10	1	LOW	64QAM	19.13	19.05	18.88	20.50
		MID	64QAM	19.01	19.02	19.05	20.50
		HIGH	64QAM	18.83	18.96	19.14	20.50
	25	LOW	64QAM	18.05	18.08	18.16	19.50
		MID	64QAM	18.13	18.08	17.84	19.50
		HIGH	64QAM	18.02	18.08	17.92	19.50
50	LOW	64QAM	17.93	17.90	18.14	19.50	

LTE B4-DSI4 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	20.91	20.87	20.77	22.50
		MID	QPSK	20.99	20.98	20.83	22.50
		HIGH	QPSK	21.09	20.91	21.16	22.50
	36	LOW	QPSK	19.88	19.96	20.02	21.50
		MID	QPSK	19.87	19.95	19.77	21.50
		HIGH	QPSK	19.89	19.82	19.90	21.50
75	LOW	QPSK	20.06	19.92	20.04	21.50	
15	1	LOW	Q16	20.07	20.02	20.09	21.50
		MID	Q16	19.91	20.00	20.03	21.50
		HIGH	Q16	20.18	20.06	19.96	21.50
	36	LOW	Q16	18.96	19.00	19.17	20.50
		MID	Q16	18.94	19.17	19.07	20.50
		HIGH	Q16	18.96	19.17	18.82	20.50
75	LOW	Q16	19.00	19.14	18.86	20.50	
15	1	LOW	64QAM	19.07	19.13	19.03	20.50
		MID	64QAM	19.01	18.96	19.22	20.50
		HIGH	64QAM	19.07	19.15	19.13	20.50
	36	LOW	64QAM	17.91	17.93	17.97	19.50
		MID	64QAM	18.20	18.09	17.91	19.50
		HIGH	64QAM	18.06	18.02	17.78	19.50
75	LOW	64QAM	18.17	18.11	18.20	19.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	20.94	20.88	20.90	22.50
		MID	QPSK	21.12	21.00	20.97	22.50
		HIGH	QPSK	21.00	20.97	21.15	22.50
	50	LOW	QPSK	19.90	19.89	19.96	21.50
		MID	QPSK	19.90	19.89	19.86	21.50
		HIGH	QPSK	19.99	19.85	19.85	21.50
100	LOW	QPSK	19.93	20.06	20.14	21.50	
20	1	LOW	Q16	20.02	20.04	20.03	21.50
		MID	Q16	19.90	19.96	20.15	21.50
		HIGH	Q16	20.07	19.95	19.85	21.50
	50	LOW	Q16	19.10	19.13	19.07	20.50
		MID	Q16	19.01	19.03	18.93	20.50
		HIGH	Q16	18.88	19.04	18.96	20.50
100	LOW	Q16	19.10	19.11	18.99	20.50	
20	1	LOW	64QAM	19.05	19.08	18.89	20.50
		MID	64QAM	18.95	18.95	19.09	20.50
		HIGH	64QAM	18.94	19.09	19.00	20.50
	50	LOW	64QAM	17.90	18.00	18.03	19.50
		MID	64QAM	18.05	18.04	17.90	19.50
		HIGH	64QAM	17.94	18.10	17.90	19.50
100	LOW	64QAM	18.07	18.00	18.05	19.50	

LTE B4-DSI5 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	16.99	17.04	17.17	18.50
		MID	QPSK	17.07	16.78	17.11	18.50
		HIGH	QPSK	16.97	17.05	17.14	18.50
	3	LOW	QPSK	17.08	17.21	17.14	18.50
		MID	QPSK	17.10	17.01	17.25	18.50
	HIGH	QPSK	16.96	17.02	17.09	18.50	
6	LOW	QPSK	17.22	17.16	16.97	18.50	
1.4	1	LOW	Q16	17.02	17.02	16.97	18.50
		MID	Q16	17.14	17.06	17.08	18.50
		HIGH	Q16	17.04	16.85	16.81	18.50
	3	LOW	Q16	16.86	17.08	17.03	18.50
		MID	Q16	17.14	17.25	17.24	18.50
	HIGH	Q16	17.13	17.09	16.86	18.50	
6	LOW	Q16	17.16	17.04	16.83	18.50	
1.4	1	LOW	64QAM	16.93	17.03	16.91	18.50
		MID	64QAM	17.11	16.91	17.13	18.50
		HIGH	64QAM	17.00	17.12	16.93	18.50
	3	LOW	64QAM	17.10	16.95	16.99	18.50
		MID	64QAM	17.21	17.01	17.17	18.50
	HIGH	64QAM	16.76	17.16	17.01	18.50	
6	LOW	64QAM	17.07	16.94	16.85	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	16.92	17.03	17.16	18.50
		MID	QPSK	17.01	16.81	17.10	18.50
		HIGH	QPSK	17.04	16.97	16.98	18.50
	8	LOW	QPSK	16.87	17.19	17.08	18.50
		MID	QPSK	16.97	16.99	16.83	18.50
	HIGH	QPSK	17.00	17.03	16.95	18.50	
15	LOW	QPSK	17.20	16.93	16.97	18.50	
3	1	LOW	Q16	17.06	17.26	17.06	18.50
		MID	Q16	16.92	17.24	17.05	18.50
		HIGH	Q16	17.13	16.86	16.82	18.50
	8	LOW	Q16	17.11	17.02	16.94	18.50
		MID	Q16	17.23	16.95	16.88	18.50
	HIGH	Q16	17.09	17.00	16.96	18.50	
15	LOW	Q16	17.18	16.81	17.05	18.50	
3	1	LOW	64QAM	17.15	16.95	16.82	18.50
		MID	64QAM	17.20	17.00	17.05	18.50
		HIGH	64QAM	16.86	17.20	16.85	18.50
	8	LOW	64QAM	17.12	17.08	17.03	18.50
		MID	64QAM	17.03	16.86	17.16	18.50
	HIGH	64QAM	16.87	16.96	16.95	18.50	
15	LOW	64QAM	17.16	16.90	16.77	18.50	

LTE B4-DSI5 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	17.07	17.24	17.23	18.50
		MID	QPSK	16.89	16.86	17.04	18.50
		HIGH	QPSK	17.04	17.07	17.04	18.50
	12	LOW	QPSK	16.97	17.11	17.17	18.50
		MID	QPSK	16.92	17.07	17.01	18.50
		HIGH	QPSK	16.80	17.11	17.02	18.50
25	LOW	QPSK	17.12	16.87	17.16	18.50	
5	1	LOW	Q16	16.86	17.11	17.10	18.50
		MID	Q16	16.96	17.07	17.14	18.50
		HIGH	Q16	17.23	16.87	16.97	18.50
	12	LOW	Q16	16.87	16.95	17.12	18.50
		MID	Q16	16.94	16.85	17.08	18.50
		HIGH	Q16	16.89	17.04	17.07	18.50
25	LOW	Q16	16.99	16.90	17.04	18.50	
5	1	LOW	64QAM	16.91	17.18	17.04	18.50
		MID	64QAM	17.04	16.79	16.99	18.50
		HIGH	64QAM	16.78	17.06	16.85	18.50
	12	LOW	64QAM	17.07	16.81	16.98	18.50
		MID	64QAM	16.91	17.05	17.06	18.50
		HIGH	64QAM	16.89	17.03	17.09	18.50
25	LOW	64QAM	16.99	17.02	16.99	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	17.02	17.24	17.20	18.50
		MID	QPSK	17.01	16.93	17.26	18.50
		HIGH	QPSK	17.02	16.97	17.12	18.50
	25	LOW	QPSK	16.98	17.07	16.87	18.50
		MID	QPSK	17.01	16.82	16.80	18.50
		HIGH	QPSK	17.01	17.20	16.92	18.50
50	LOW	QPSK	17.23	16.90	17.15	18.50	
10	1	LOW	Q16	16.95	17.05	17.01	18.50
		MID	Q16	17.06	17.00	17.04	18.50
		HIGH	Q16	16.93	16.87	16.94	18.50
	25	LOW	Q16	16.82	17.03	17.03	18.50
		MID	Q16	17.17	16.90	16.94	18.50
		HIGH	Q16	16.96	16.77	16.98	18.50
50	LOW	Q16	17.06	16.90	17.01	18.50	
10	1	LOW	64QAM	16.98	17.09	16.91	18.50
		MID	64QAM	17.27	16.86	17.14	18.50
		HIGH	64QAM	16.86	17.06	16.79	18.50
	25	LOW	64QAM	17.08	16.94	17.14	18.50
		MID	64QAM	17.17	17.01	17.01	18.50
		HIGH	64QAM	16.75	16.81	17.08	18.50
50	LOW	64QAM	17.14	17.14	16.98	18.50	

LTE B4-DSI5 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	17.14	17.13	17.08	18.50
		MID	QPSK	17.06	16.92	17.22	18.50
		HIGH	QPSK	17.21	16.99	17.17	18.50
	36	LOW	QPSK	17.03	17.20	17.08	18.50
		MID	QPSK	17.03	16.80	16.97	18.50
		HIGH	QPSK	16.88	17.03	17.07	18.50
75	LOW	QPSK	17.14	16.99	17.18	18.50	
15	1	LOW	Q16	16.92	17.00	17.15	18.50
		MID	Q16	16.94	17.04	17.17	18.50
		HIGH	Q16	16.95	17.03	16.79	18.50
	36	LOW	Q16	17.01	16.91	16.86	18.50
		MID	Q16	16.94	16.85	16.93	18.50
		HIGH	Q16	17.03	17.01	17.12	18.50
75	LOW	Q16	17.29	16.99	17.01	18.50	
15	1	LOW	64QAM	17.07	17.17	17.03	18.50
		MID	64QAM	17.20	17.05	16.94	18.50
		HIGH	64QAM	17.02	17.04	16.89	18.50
	36	LOW	64QAM	16.92	16.88	17.26	18.50
		MID	64QAM	16.92	17.04	17.20	18.50
		HIGH	64QAM	16.80	16.88	16.91	18.50
75	LOW	64QAM	17.24	17.04	16.74	18.50	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	17.01	17.14	17.12	18.50
		MID	QPSK	17.01	16.92	17.15	18.50
		HIGH	QPSK	17.11	17.08	17.07	18.50
	50	LOW	QPSK	16.94	17.12	17.02	18.50
		MID	QPSK	17.02	16.92	16.89	18.50
		HIGH	QPSK	16.87	17.14	17.04	18.50
100	LOW	QPSK	17.09	17.02	17.04	18.50	
20	1	LOW	Q16	17.00	17.13	17.11	18.50
		MID	Q16	17.03	17.12	17.13	18.50
		HIGH	Q16	17.08	16.98	16.90	18.50
	50	LOW	Q16	16.97	17.00	16.98	18.50
		MID	Q16	17.08	16.87	16.93	18.50
		HIGH	Q16	17.01	16.92	17.04	18.50
100	LOW	Q16	17.14	16.95	16.95	18.50	
20	1	LOW	64QAM	17.05	17.08	16.91	18.50
		MID	64QAM	17.12	16.92	17.06	18.50
		HIGH	64QAM	16.88	17.10	16.88	18.50
	50	LOW	64QAM	17.03	16.94	17.11	18.50
		MID	64QAM	17.06	17.00	17.14	18.50
		HIGH	64QAM	16.88	16.88	17.04	18.50
100	LOW	64QAM	17.14	17.02	16.87	18.50	

LTE B4-DSI8&9&10 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19957	20175	20393	Tune-up power(dBm)
1.4	1	LOW	QPSK	15.61	15.56	15.60	17.00
		MID	QPSK	15.36	15.38	15.52	17.00
		HIGH	QPSK	15.44	15.42	15.36	17.00
	3	LOW	QPSK	15.42	15.47	15.59	17.00
		MID	QPSK	15.40	15.66	15.32	17.00
	HIGH	QPSK	15.51	15.34	15.42	17.00	
6	LOW	QPSK	15.46	15.29	15.29	17.00	
1.4	1	LOW	Q16	15.32	15.55	15.39	17.00
		MID	Q16	15.24	15.23	15.30	17.00
		HIGH	Q16	15.50	15.49	15.70	17.00
	3	LOW	Q16	15.52	15.39	15.52	17.00
		MID	Q16	15.35	15.29	15.52	17.00
	HIGH	Q16	15.67	15.55	15.68	17.00	
6	LOW	Q16	15.48	15.49	15.54	17.00	
1.4	1	LOW	64QAM	15.55	15.42	15.67	17.00
		MID	64QAM	15.32	15.39	15.51	17.00
		HIGH	64QAM	15.40	15.69	15.39	17.00
	3	LOW	64QAM	15.32	15.31	15.76	17.00
		MID	64QAM	15.52	15.64	15.54	17.00
	HIGH	64QAM	15.53	15.50	15.56	17.00	
6	LOW	64QAM	15.48	15.55	15.36	17.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	19965	20175	20385	Tune-up power(dBm)
3	1	LOW	QPSK	15.33	15.39	15.66	17.00
		MID	QPSK	15.57	15.55	15.36	17.00
		HIGH	QPSK	15.59	15.52	15.37	17.00
	8	LOW	QPSK	15.47	15.45	15.67	17.00
		MID	QPSK	15.67	15.41	15.25	17.00
	HIGH	QPSK	15.30	15.28	15.38	17.00	
15	LOW	QPSK	15.51	15.42	15.47	17.00	
3	1	LOW	Q16	15.53	15.60	15.37	17.00
		MID	Q16	15.36	15.49	15.48	17.00
		HIGH	Q16	15.62	15.43	15.61	17.00
	8	LOW	Q16	15.54	15.73	15.57	17.00
		MID	Q16	15.37	15.46	15.63	17.00
	HIGH	Q16	15.68	15.27	15.48	17.00	
15	LOW	Q16	15.42	15.63	15.48	17.00	
3	1	LOW	64QAM	15.34	15.37	15.73	17.00
		MID	64QAM	15.48	15.44	15.48	17.00
		HIGH	64QAM	15.43	15.72	15.46	17.00
	8	LOW	64QAM	15.69	15.54	15.54	17.00
		MID	64QAM	15.39	15.37	15.48	17.00
	HIGH	64QAM	15.43	15.32	15.24	17.00	
15	LOW	64QAM	15.46	15.53	15.37	17.00	

LTE B4-DSI8&9&10 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	19975	20175	20375	Tune-up power(dBm)
5	1	LOW	QPSK	15.43	15.38	15.67	17.00
		MID	QPSK	15.43	15.64	15.34	17.00
		HIGH	QPSK	15.62	15.43	15.45	17.00
	12	LOW	QPSK	15.50	15.55	15.56	17.00
		MID	QPSK	15.66	15.52	15.36	17.00
		HIGH	QPSK	15.38	15.24	15.30	17.00
25	LOW	QPSK	15.55	15.46	15.53	17.00	
5	1	LOW	Q16	15.26	15.50	15.31	17.00
		MID	Q16	15.34	15.43	15.35	17.00
		HIGH	Q16	15.52	15.48	15.52	17.00
	12	LOW	Q16	15.33	15.66	15.51	17.00
		MID	Q16	15.60	15.48	15.69	17.00
		HIGH	Q16	15.67	15.23	15.45	17.00
25	LOW	Q16	15.33	15.53	15.53	17.00	
5	1	LOW	64QAM	15.36	15.56	15.51	17.00
		MID	64QAM	15.47	15.67	15.69	17.00
		HIGH	64QAM	15.52	15.72	15.46	17.00
	12	LOW	64QAM	15.59	15.44	15.44	17.00
		MID	64QAM	15.61	15.56	15.45	17.00
		HIGH	64QAM	15.46	15.30	15.25	17.00
25	LOW	64QAM	15.50	15.58	15.51	17.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	20000	20175	20350	Tune-up power(dBm)
10	1	LOW	QPSK	15.50	15.57	15.63	17.00
		MID	QPSK	15.45	15.61	15.49	17.00
		HIGH	QPSK	15.54	15.30	15.25	17.00
	25	LOW	QPSK	15.39	15.59	15.58	17.00
		MID	QPSK	15.46	15.54	15.39	17.00
		HIGH	QPSK	15.48	15.46	15.32	17.00
50	LOW	QPSK	15.40	15.40	15.28	17.00	
10	1	LOW	Q16	15.43	15.62	15.33	17.00
		MID	Q16	15.48	15.21	15.33	17.00
		HIGH	Q16	15.55	15.50	15.77	17.00
	25	LOW	Q16	15.54	15.70	15.42	17.00
		MID	Q16	15.59	15.52	15.71	17.00
		HIGH	Q16	15.63	15.49	15.39	17.00
50	LOW	Q16	15.49	15.56	15.38	17.00	
10	1	LOW	64QAM	15.52	15.50	15.47	17.00
		MID	64QAM	15.37	15.39	15.55	17.00
		HIGH	64QAM	15.40	15.71	15.38	17.00
	25	LOW	64QAM	15.52	15.46	15.63	17.00
		MID	64QAM	15.38	15.51	15.54	17.00
		HIGH	64QAM	15.43	15.27	15.42	17.00
50	LOW	64QAM	15.61	15.44	15.45	17.00	



LTE B4-DSI8&9&10 -Ant.11							
Bandwidth (MHz)	RB Size	RB offset	Modulation	20025	20175	20325	Tune-up power(dBm)
15	1	LOW	QPSK	15.46	15.42	15.48	17.00
		MID	QPSK	15.55	15.38	15.56	17.00
		HIGH	QPSK	15.50	15.33	15.39	17.00
	36	LOW	QPSK	15.39	15.65	15.68	17.00
		MID	QPSK	15.41	15.61	15.44	17.00
		HIGH	QPSK	15.31	15.43	15.34	17.00
	75	LOW	QPSK	15.60	15.30	15.40	17.00
15	1	LOW	Q16	15.48	15.39	15.35	17.00
		MID	Q16	15.40	15.20	15.44	17.00
		HIGH	Q16	15.65	15.53	15.76	17.00
	36	LOW	Q16	15.42	15.49	15.40	17.00
		MID	Q16	15.34	15.70	15.47	17.00
		HIGH	Q16	15.64	15.47	15.38	17.00
	75	LOW	Q16	15.42	15.45	15.50	17.00
15	1	LOW	64QAM	15.29	15.38	15.56	17.00
		MID	64QAM	15.54	15.53	15.63	17.00
		HIGH	64QAM	15.63	15.58	15.43	17.00
	36	LOW	64QAM	15.58	15.60	15.72	17.00
		MID	64QAM	15.61	15.49	15.39	17.00
		HIGH	64QAM	15.44	15.33	15.35	17.00
	75	LOW	64QAM	15.59	15.53	15.33	17.00
Bandwidth (MHz)	RB Size	RB offset	Modulation	20050	20175	20300	Tune-up power(dBm)
20	1	LOW	QPSK	15.48	15.52	15.54	17.00
		MID	QPSK	15.51	15.51	15.45	17.00
		HIGH	QPSK	15.48	15.39	15.40	17.00
	50	LOW	QPSK	15.51	15.53	15.63	17.00
		MID	QPSK	15.53	15.48	15.36	17.00
		HIGH	QPSK	15.45	15.37	15.36	17.00
	100	LOW	QPSK	15.48	15.36	15.38	17.00
20	1	LOW	Q16	15.41	15.48	15.43	17.00
		MID	Q16	15.39	15.35	15.42	17.00
		HIGH	Q16	15.62	15.53	15.65	17.00
	50	LOW	Q16	15.42	15.60	15.42	17.00
		MID	Q16	15.49	15.59	15.59	17.00
		HIGH	Q16	15.60	15.36	15.51	17.00
	100	LOW	Q16	15.37	15.58	15.43	17.00
20	1	LOW	64QAM	15.41	15.44	15.62	17.00
		MID	64QAM	15.41	15.53	15.55	17.00
		HIGH	64QAM	15.55	15.62	15.47	17.00
	50	LOW	64QAM	15.61	15.54	15.59	17.00
		MID	64QAM	15.47	15.51	15.50	17.00
		HIGH	64QAM	15.35	15.40	15.37	17.00
	100	LOW	64QAM	15.53	15.47	15.38	17.00

## 8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.45	23.50	23.49	25.00	
		MID	QPSK	23.62	23.62	23.41	25.00	
		HIGH	QPSK	23.37	23.48	23.36	25.00	
	3	LOW	QPSK	23.62	23.49	23.44	25.00	
		MID	QPSK	23.64	23.66	23.42	25.00	
		HIGH	QPSK	23.33	23.33	23.43	25.00	
	6	LOW	QPSK	22.41	22.54	22.41	24.00	
	1.4	1	LOW	Q16	22.71	22.81	22.60	24.00
			MID	Q16	22.68	22.75	22.96	24.00
HIGH			Q16	22.81	22.64	22.54	24.00	
3		LOW	Q16	22.73	22.93	22.79	24.00	
		MID	Q16	22.65	22.87	22.81	24.00	
		HIGH	Q16	22.98	22.73	22.76	24.00	
6		LOW	Q16	21.38	21.59	21.53	23.00	
1.4		1	LOW	64QAM	21.62	21.66	21.62	23.00
			MID	64QAM	21.64	21.65	22.03	23.00
	HIGH		64QAM	21.94	21.61	21.63	23.00	
	3	LOW	64QAM	21.75	21.79	21.92	23.00	
		MID	64QAM	21.67	21.74	21.90	23.00	
		HIGH	64QAM	21.89	21.65	21.86	23.00	
	6	LOW	64QAM	20.46	20.49	20.68	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.36	23.58	23.48	25.00
MID			QPSK	23.55	23.68	23.62	25.00	
HIGH			QPSK	23.41	23.39	23.48	25.00	
8		LOW	QPSK	22.52	22.37	22.52	24.00	
		MID	QPSK	22.60	22.44	22.35	24.00	
		HIGH	QPSK	22.59	22.45	22.54	24.00	
15		LOW	QPSK	22.50	22.56	22.31	24.00	
3		1	LOW	Q16	22.76	22.78	22.70	24.00
			MID	Q16	22.83	22.91	22.75	24.00
	HIGH		Q16	22.97	22.77	22.57	24.00	
	8	LOW	Q16	21.48	21.52	21.55	23.00	
		MID	Q16	21.69	21.57	21.60	23.00	
		HIGH	Q16	21.61	21.50	21.44	23.00	
	15	LOW	Q16	21.43	21.52	21.56	23.00	
	3	1	LOW	64QAM	21.58	21.73	21.62	23.00
			MID	64QAM	21.70	21.78	21.78	23.00
HIGH			64QAM	21.61	21.73	21.59	23.00	
8		LOW	64QAM	20.44	20.34	20.49	22.00	
		MID	64QAM	20.38	20.42	20.29	22.00	
		HIGH	64QAM	20.36	20.56	20.46	22.00	
15		LOW	64QAM	20.40	20.42	20.33	22.00	

LTE B5-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.48	23.38	23.50	25.00	
		MID	QPSK	23.43	23.49	23.50	25.00	
		HIGH	QPSK	23.29	23.45	23.39	25.00	
	12	LOW	QPSK	22.36	22.53	22.46	24.00	
		MID	QPSK	22.55	22.32	22.52	24.00	
		HIGH	QPSK	22.60	22.38	22.62	24.00	
	25	LOW	QPSK	22.39	22.55	22.43	24.00	
	5	1	LOW	Q16	22.82	22.71	22.64	24.00
			MID	Q16	22.66	22.87	22.75	24.00
HIGH			Q16	22.89	22.79	22.54	24.00	
12		LOW	Q16	21.52	21.52	21.51	23.00	
		MID	Q16	21.53	21.54	21.33	23.00	
		HIGH	Q16	21.50	21.53	21.45	23.00	
25		LOW	Q16	21.58	21.39	21.40	23.00	
5		1	LOW	64QAM	21.74	21.64	21.71	23.00
			MID	64QAM	21.81	21.88	21.86	23.00
	HIGH		64QAM	21.68	21.67	21.67	23.00	
	12	LOW	64QAM	20.47	20.49	20.31	22.00	
		MID	64QAM	20.27	20.27	20.34	22.00	
		HIGH	64QAM	20.34	20.47	20.58	22.00	
	25	LOW	64QAM	20.39	20.47	20.33	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.51	23.50	23.55	25.00
MID			QPSK	23.49	23.56	23.52	25.00	
HIGH			QPSK	23.44	23.48	23.42	25.00	
25		LOW	QPSK	22.43	22.49	22.45	24.00	
		MID	QPSK	22.47	22.46	22.43	24.00	
		HIGH	QPSK	22.49	22.51	22.51	24.00	
50		LOW	QPSK	22.51	22.46	22.44	24.00	
10		1	LOW	Q16	22.76	22.85	22.74	24.00
			MID	Q16	22.73	22.82	22.82	24.00
	HIGH		Q16	22.83	22.78	22.61	24.00	
	25	LOW	Q16	21.50	21.50	21.44	23.00	
		MID	Q16	21.54	21.49	21.47	23.00	
		HIGH	Q16	21.53	21.53	21.52	23.00	
	50	LOW	Q16	21.50	21.47	21.44	23.00	
	10	1	LOW	64QAM	21.71	21.79	21.65	23.00
			MID	64QAM	21.83	21.90	21.79	23.00
HIGH			64QAM	21.70	21.80	21.65	23.00	
25		LOW	64QAM	20.35	20.42	20.45	22.00	
		MID	64QAM	20.39	20.36	20.43	22.00	
		HIGH	64QAM	20.40	20.62	20.55	22.00	
50		LOW	64QAM	20.43	20.36	20.37	22.00	

LTE B5-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.54	21.43	21.67	23.00	
		MID	QPSK	21.47	21.55	21.38	23.00	
		HIGH	QPSK	21.34	21.33	21.37	23.00	
	3	LOW	QPSK	21.37	21.57	21.37	23.00	
		MID	QPSK	21.51	21.39	21.63	23.00	
		HIGH	QPSK	21.58	21.61	21.41	23.00	
	6	LOW	QPSK	21.56	21.35	21.52	23.00	
	1.4	1	LOW	Q16	21.81	21.93	21.77	23.00
			MID	Q16	21.91	21.87	21.53	23.00
HIGH			Q16	21.56	21.88	21.57	23.00	
3		LOW	Q16	21.66	21.82	21.53	23.00	
		MID	Q16	21.85	21.99	21.70	23.00	
		HIGH	Q16	21.61	21.73	21.69	23.00	
6		LOW	Q16	21.58	21.43	21.42	23.00	
1.4		1	LOW	64QAM	21.71	22.07	21.62	23.00
			MID	64QAM	21.88	21.86	21.55	23.00
	HIGH		64QAM	21.42	21.99	21.61	23.00	
	3	LOW	64QAM	21.54	21.69	21.52	23.00	
		MID	64QAM	21.85	21.86	21.66	23.00	
		HIGH	64QAM	21.57	21.87	21.58	23.00	
	6	LOW	64QAM	20.62	20.34	20.36	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	21.52	21.34	21.43	23.00
MID			QPSK	21.50	21.65	21.39	23.00	
HIGH			QPSK	21.50	21.37	21.39	23.00	
8		LOW	QPSK	21.38	21.29	21.34	23.00	
		MID	QPSK	21.67	21.56	21.27	23.00	
		HIGH	QPSK	21.63	21.48	21.34	23.00	
15		LOW	QPSK	21.60	21.54	21.43	23.00	
3		1	LOW	Q16	21.62	21.97	21.54	23.00
			MID	Q16	21.96	21.79	21.54	23.00
	HIGH		Q16	21.64	21.78	21.58	23.00	
	8	LOW	Q16	21.55	21.55	21.32	23.00	
		MID	Q16	21.69	21.45	21.40	23.00	
		HIGH	Q16	21.65	21.37	21.45	23.00	
	15	LOW	Q16	21.60	21.42	21.55	23.00	
	3	1	LOW	64QAM	21.74	21.61	21.78	23.00
			MID	64QAM	21.78	22.03	21.76	23.00
HIGH			64QAM	21.72	21.97	21.67	23.00	
8		LOW	64QAM	20.37	20.34	20.37	22.00	
		MID	64QAM	20.61	20.35	20.43	22.00	
		HIGH	64QAM	20.70	20.56	20.37	22.00	
15		LOW	64QAM	20.54	20.67	20.48	22.00	

LTE B5-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	21.59	21.34	21.51	23.00	
		MID	QPSK	21.46	21.44	21.60	23.00	
		HIGH	QPSK	21.36	21.58	21.31	23.00	
	12	LOW	QPSK	21.34	21.56	21.41	23.00	
		MID	QPSK	21.59	21.47	21.40	23.00	
		HIGH	QPSK	21.67	21.64	21.37	23.00	
	25	LOW	QPSK	21.46	21.55	21.50	23.00	
	5	1	LOW	Q16	21.59	21.97	21.63	23.00
			MID	Q16	21.93	21.85	21.63	23.00
HIGH			Q16	21.59	21.82	21.57	23.00	
12		LOW	Q16	21.37	21.59	21.50	23.00	
		MID	Q16	21.72	21.51	21.31	23.00	
		HIGH	Q16	21.58	21.40	21.56	23.00	
25		LOW	Q16	21.67	21.31	21.38	23.00	
5		1	LOW	64QAM	21.75	21.62	21.85	23.00
			MID	64QAM	21.87	21.81	21.68	23.00
	HIGH		64QAM	21.67	21.78	21.69	23.00	
	12	LOW	64QAM	20.31	20.62	20.41	22.00	
		MID	64QAM	20.50	20.40	20.62	22.00	
		HIGH	64QAM	20.53	20.51	20.36	22.00	
	25	LOW	64QAM	20.64	20.51	20.49	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	21.47	21.49	21.52	23.00
MID			QPSK	21.50	21.53	21.53	23.00	
HIGH			QPSK	21.43	21.46	21.40	23.00	
25		LOW	QPSK	21.46	21.43	21.46	23.00	
		MID	QPSK	21.43	21.44	21.40	23.00	
		HIGH	QPSK	21.52	21.52	21.46	23.00	
50		LOW	QPSK	21.51	21.52	21.45	23.00	
10		1	LOW	Q16	21.69	21.86	21.63	23.00
			MID	Q16	21.81	21.86	21.67	23.00
	HIGH		Q16	21.71	21.82	21.57	23.00	
	25	LOW	Q16	21.41	21.47	21.45	23.00	
		MID	Q16	21.57	21.51	21.41	23.00	
		HIGH	Q16	21.55	21.50	21.46	23.00	
	50	LOW	Q16	21.52	21.46	21.45	23.00	
	10	1	LOW	64QAM	21.82	21.74	21.77	23.00
			MID	64QAM	21.78	21.90	21.79	23.00
HIGH			64QAM	21.69	21.93	21.72	23.00	
25		LOW	64QAM	20.32	20.48	20.40	22.00	
		MID	64QAM	20.55	20.47	20.49	22.00	
		HIGH	64QAM	20.68	20.49	20.50	22.00	
50		LOW	64QAM	20.55	20.61	20.45	22.00	

LTE B5-DSI4&5&8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.45	23.50	23.49	25.00	
		MID	QPSK	23.62	23.62	23.41	25.00	
		HIGH	QPSK	23.37	23.48	23.36	25.00	
	3	LOW	QPSK	23.62	23.49	23.44	25.00	
		MID	QPSK	23.64	23.66	23.42	25.00	
		HIGH	QPSK	23.33	23.33	23.43	25.00	
	6	LOW	QPSK	22.41	22.54	22.41	24.00	
	1.4	1	LOW	Q16	22.71	22.81	22.60	24.00
			MID	Q16	22.68	22.75	22.96	24.00
HIGH			Q16	22.81	22.64	22.54	24.00	
3		LOW	Q16	22.73	22.93	22.79	24.00	
		MID	Q16	22.65	22.87	22.81	24.00	
		HIGH	Q16	22.98	22.73	22.76	24.00	
6		LOW	Q16	21.38	21.59	21.53	23.00	
1.4		1	LOW	64QAM	21.62	21.66	21.62	23.00
			MID	64QAM	21.64	21.65	22.03	23.00
	HIGH		64QAM	21.94	21.61	21.63	23.00	
	3	LOW	64QAM	21.75	21.79	21.92	23.00	
		MID	64QAM	21.67	21.74	21.90	23.00	
		HIGH	64QAM	21.89	21.65	21.86	23.00	
	6	LOW	64QAM	20.46	20.49	20.68	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.36	23.58	23.48	25.00
MID			QPSK	23.55	23.68	23.62	25.00	
HIGH			QPSK	23.41	23.39	23.48	25.00	
8		LOW	QPSK	22.52	22.37	22.52	24.00	
		MID	QPSK	22.60	22.44	22.35	24.00	
		HIGH	QPSK	22.59	22.45	22.54	24.00	
15		LOW	QPSK	22.50	22.56	22.31	24.00	
3		1	LOW	Q16	22.76	22.78	22.70	24.00
			MID	Q16	22.83	22.91	22.75	24.00
	HIGH		Q16	22.97	22.77	22.57	24.00	
	8	LOW	Q16	21.48	21.52	21.55	23.00	
		MID	Q16	21.69	21.57	21.60	23.00	
		HIGH	Q16	21.61	21.50	21.44	23.00	
	15	LOW	Q16	21.43	21.52	21.56	23.00	
	3	1	LOW	64QAM	21.58	21.73	21.62	23.00
			MID	64QAM	21.70	21.78	21.78	23.00
HIGH			64QAM	21.61	21.73	21.59	23.00	
8		LOW	64QAM	20.44	20.34	20.49	22.00	
		MID	64QAM	20.38	20.42	20.29	22.00	
		HIGH	64QAM	20.36	20.56	20.46	22.00	
15		LOW	64QAM	20.40	20.42	20.33	22.00	

LTE B5-DSI4&5&8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.48	23.38	23.50	25.00	
		MID	QPSK	23.43	23.49	23.50	25.00	
		HIGH	QPSK	23.29	23.45	23.39	25.00	
	12	LOW	QPSK	22.36	22.53	22.46	24.00	
		MID	QPSK	22.55	22.32	22.52	24.00	
		HIGH	QPSK	22.60	22.38	22.62	24.00	
	25	LOW	QPSK	22.39	22.55	22.43	24.00	
	5	1	LOW	Q16	22.82	22.71	22.64	24.00
			MID	Q16	22.66	22.87	22.75	24.00
HIGH			Q16	22.89	22.79	22.54	24.00	
12		LOW	Q16	21.52	21.52	21.51	23.00	
		MID	Q16	21.53	21.54	21.33	23.00	
		HIGH	Q16	21.50	21.53	21.45	23.00	
25		LOW	Q16	21.58	21.39	21.40	23.00	
5		1	LOW	64QAM	21.74	21.64	21.71	23.00
			MID	64QAM	21.81	21.88	21.86	23.00
	HIGH		64QAM	21.68	21.67	21.67	23.00	
	12	LOW	64QAM	20.47	20.49	20.31	22.00	
		MID	64QAM	20.27	20.27	20.34	22.00	
		HIGH	64QAM	20.34	20.47	20.58	22.00	
	25	LOW	64QAM	20.39	20.47	20.33	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.51	23.50	23.55	25.00
MID			QPSK	23.49	23.56	23.52	25.00	
HIGH			QPSK	23.44	23.48	23.42	25.00	
25		LOW	QPSK	22.43	22.49	22.45	24.00	
		MID	QPSK	22.47	22.46	22.43	24.00	
		HIGH	QPSK	22.49	22.51	22.51	24.00	
50		LOW	QPSK	22.51	22.46	22.44	24.00	
10		1	LOW	Q16	22.76	22.85	22.74	24.00
			MID	Q16	22.73	22.82	22.82	24.00
	HIGH		Q16	22.83	22.78	22.61	24.00	
	25	LOW	Q16	21.50	21.50	21.44	23.00	
		MID	Q16	21.54	21.49	21.47	23.00	
		HIGH	Q16	21.53	21.53	21.52	23.00	
	50	LOW	Q16	21.50	21.47	21.44	23.00	
	10	1	LOW	64QAM	21.71	21.79	21.65	23.00
			MID	64QAM	21.83	21.90	21.79	23.00
HIGH			64QAM	21.70	21.80	21.65	23.00	
25		LOW	64QAM	20.35	20.42	20.45	22.00	
		MID	64QAM	20.39	20.36	20.43	22.00	
		HIGH	64QAM	20.40	20.62	20.55	22.00	
50		LOW	64QAM	20.43	20.36	20.37	22.00	

## 8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.64	23.67	23.71	25.00	
		MID	QPSK	23.77	23.66	23.67	25.00	
		HIGH	QPSK	23.76	23.78	23.87	25.00	
	3	LOW	QPSK	23.73	23.83	23.81	25.00	
		MID	QPSK	23.66	23.67	23.75	25.00	
		HIGH	QPSK	24.05	23.79	23.99	25.00	
	6	LOW	QPSK	22.56	22.69	22.50	24.00	
	1.4	1	LOW	Q16	23.22	23.20	22.97	24.00
			MID	Q16	23.13	23.22	23.11	24.00
HIGH			Q16	22.82	23.18	23.12	24.00	
3		LOW	Q16	23.31	22.97	23.12	24.00	
		MID	Q16	23.28	23.19	22.88	24.00	
		HIGH	Q16	23.03	23.25	23.27	24.00	
6		LOW	Q16	21.72	21.65	21.68	23.00	
1.4		1	LOW	64QAM	21.78	21.83	21.78	23.00
			MID	64QAM	21.78	21.92	21.74	23.00
	HIGH		64QAM	21.99	22.03	21.84	23.00	
	3	LOW	64QAM	21.58	21.92	21.83	23.00	
		MID	64QAM	21.57	21.70	21.85	23.00	
		HIGH	64QAM	21.75	22.07	21.86	23.00	
	6	LOW	64QAM	20.84	20.55	20.73	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.75	23.67	23.57	25.00
MID			QPSK	23.93	23.79	23.86	25.00	
HIGH			QPSK	24.03	23.92	23.80	25.00	
8		LOW	QPSK	22.55	22.67	22.64	24.00	
		MID	QPSK	22.92	22.52	22.81	24.00	
		HIGH	QPSK	23.02	22.74	22.53	24.00	
15		LOW	QPSK	22.60	22.79	22.56	24.00	
3		1	LOW	Q16	23.08	23.03	22.87	24.00
			MID	Q16	23.14	23.09	23.08	24.00
	HIGH		Q16	22.76	23.25	23.15	24.00	
	8	LOW	Q16	21.88	21.65	21.54	23.00	
		MID	Q16	21.82	21.74	21.79	23.00	
		HIGH	Q16	21.72	21.64	21.73	23.00	
	15	LOW	Q16	21.65	21.82	21.59	23.00	
	3	1	LOW	64QAM	21.69	21.84	21.69	23.00
			MID	64QAM	21.74	21.81	21.94	23.00
HIGH			64QAM	21.84	22.02	21.85	23.00	
8		LOW	64QAM	20.82	20.55	20.80	22.00	
		MID	64QAM	20.83	20.44	20.74	22.00	
		HIGH	64QAM	20.44	20.91	20.75	22.00	
15		LOW	64QAM	20.78	20.65	20.55	22.00	



LTE B5-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.59	23.91	23.69	25.00	
		MID	QPSK	23.91	23.77	23.93	25.00	
		HIGH	QPSK	23.75	23.88	24.03	25.00	
	12	LOW	QPSK	22.53	22.78	22.50	24.00	
		MID	QPSK	23.03	22.72	22.63	24.00	
		HIGH	QPSK	22.85	22.93	22.65	24.00	
	25	LOW	QPSK	22.63	22.54	22.60	24.00	
	5	1	LOW	Q16	23.23	23.03	23.01	24.00
			MID	Q16	23.30	23.07	23.03	24.00
HIGH			Q16	22.81	23.14	23.18	24.00	
12		LOW	Q16	21.82	21.59	21.70	23.00	
		MID	Q16	21.79	21.87	21.80	23.00	
		HIGH	Q16	21.73	21.62	21.79	23.00	
25		LOW	Q16	21.65	21.70	21.86	23.00	
5		1	LOW	64QAM	21.53	21.72	21.75	23.00
			MID	64QAM	21.77	21.73	21.76	23.00
	HIGH		64QAM	21.95	21.93	21.82	23.00	
	12	LOW	64QAM	20.80	20.81	20.85	22.00	
		MID	64QAM	20.83	20.51	20.75	22.00	
		HIGH	64QAM	20.65	20.81	20.78	22.00	
	25	LOW	64QAM	20.59	20.60	20.63	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.64	23.78	23.67	25.00
MID			QPSK	23.78	23.70	23.81	25.00	
HIGH			QPSK	23.90	23.80	23.92	25.00	
25		LOW	QPSK	22.58	22.72	22.55	24.00	
		MID	QPSK	22.90	22.64	22.77	24.00	
		HIGH	QPSK	22.87	22.84	22.54	24.00	
50		LOW	QPSK	22.58	22.65	22.54	24.00	
10		1	LOW	Q16	23.19	23.06	23.02	24.00
			MID	Q16	23.26	23.10	23.02	24.00
	HIGH		Q16	22.91	23.12	23.20	24.00	
	25	LOW	Q16	21.81	21.71	21.60	23.00	
		MID	Q16	21.84	21.86	21.79	23.00	
		HIGH	Q16	21.65	21.61	21.85	23.00	
	50	LOW	Q16	21.75	21.67	21.73	23.00	
	10	1	LOW	64QAM	21.66	21.77	21.71	23.00
			MID	64QAM	21.67	21.84	21.88	23.00
HIGH			64QAM	21.88	21.92	21.71	23.00	
25		LOW	64QAM	20.75	20.70	20.76	22.00	
		MID	64QAM	20.78	20.57	20.80	22.00	
		HIGH	64QAM	20.51	20.77	20.73	22.00	
50		LOW	64QAM	20.66	20.54	20.69	22.00	

LTE B5-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.01	19.66	19.80	20.50	
		MID	QPSK	19.48	19.85	19.75	20.50	
		HIGH	QPSK	19.77	19.64	19.74	20.50	
	3	LOW	QPSK	20.01	19.90	19.54	20.50	
		MID	QPSK	19.48	19.66	19.79	20.50	
		HIGH	QPSK	19.69	19.60	19.62	20.50	
	6	LOW	QPSK	19.83	19.60	19.85	20.50	
	1.4	1	LOW	Q16	19.79	19.72	19.81	20.50
			MID	Q16	19.76	19.70	19.67	20.50
HIGH			Q16	19.76	19.71	20.02	20.50	
3		LOW	Q16	19.90	19.68	19.85	20.50	
		MID	Q16	19.51	19.81	19.79	20.50	
		HIGH	Q16	19.86	19.72	19.89	20.50	
6		LOW	Q16	19.61	19.85	20.00	20.50	
1.4		1	LOW	64QAM	19.76	19.68	19.65	20.50
			MID	64QAM	19.99	19.97	19.69	20.50
	HIGH		64QAM	20.06	19.73	19.60	20.50	
	3	LOW	64QAM	19.79	19.67	19.73	20.50	
		MID	64QAM	20.03	19.87	19.68	20.50	
		HIGH	64QAM	19.83	19.64	19.75	20.50	
	6	LOW	64QAM	19.84	19.84	19.76	20.50	
	Bandwidth (	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	20.03	19.84	19.80	20.50
MID			QPSK	19.61	19.77	19.66	20.50	
HIGH			QPSK	19.70	19.78	19.72	20.50	
8		LOW	QPSK	19.93	19.86	19.88	20.50	
		MID	QPSK	19.80	19.44	19.76	20.50	
		HIGH	QPSK	19.77	19.61	19.81	20.50	
15		LOW	QPSK	19.77	19.64	19.64	20.50	
3		1	LOW	Q16	19.81	19.72	20.03	20.50
			MID	Q16	19.76	19.74	19.64	20.50
	HIGH		Q16	19.89	19.72	19.81	20.50	
	8	LOW	Q16	19.82	19.64	19.83	20.50	
		MID	Q16	19.88	19.71	19.87	20.50	
		HIGH	Q16	19.96	20.03	19.77	20.50	
	15	LOW	Q16	19.59	19.48	19.63	20.50	
	3	1	LOW	64QAM	19.84	19.78	19.55	20.50
			MID	64QAM	19.91	19.97	19.84	20.50
HIGH			64QAM	19.91	19.55	19.72	20.50	
8		LOW	64QAM	20.04	19.84	19.66	20.50	
		MID	64QAM	19.76	19.70	19.72	20.50	
		HIGH	64QAM	19.88	19.81	19.58	20.50	
15		LOW	64QAM	19.75	19.67	19.75	20.50	

LTE B5-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	20.04	19.88	19.53	20.50	
		MID	QPSK	19.45	19.69	19.66	20.50	
		HIGH	QPSK	19.63	19.84	19.73	20.50	
	12	LOW	QPSK	19.89	19.76	19.69	20.50	
		MID	QPSK	19.89	19.56	19.52	20.50	
		HIGH	QPSK	19.80	19.49	19.97	20.50	
	25	LOW	QPSK	19.97	19.63	19.57	20.50	
	5	1	LOW	Q16	19.73	19.72	19.95	20.50
			MID	Q16	19.70	19.62	19.60	20.50
HIGH			Q16	19.87	19.58	20.00	20.50	
12		LOW	Q16	19.53	19.64	20.00	20.50	
		MID	Q16	19.75	19.73	19.81	20.50	
		HIGH	Q16	19.90	19.81	19.81	20.50	
25		LOW	Q16	19.64	19.48	19.72	20.50	
5		1	LOW	64QAM	19.73	19.95	19.75	20.50
			MID	64QAM	19.83	19.98	19.92	20.50
	HIGH		64QAM	20.13	19.61	19.69	20.50	
	12	LOW	64QAM	19.79	19.62	19.64	20.50	
		MID	64QAM	19.73	19.63	19.64	20.50	
		HIGH	64QAM	19.71	19.97	19.68	20.50	
	25	LOW	64QAM	19.77	19.50	19.75	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	19.92	19.78	19.66	20.50
MID			QPSK	19.60	19.74	19.69	20.50	
HIGH			QPSK	19.63	19.71	19.76	20.50	
25		LOW	QPSK	19.85	19.71	19.80	20.50	
		MID	QPSK	19.84	19.54	19.61	20.50	
		HIGH	QPSK	19.78	19.56	19.84	20.50	
50		LOW	QPSK	19.91	19.74	19.72	20.50	
10		1	LOW	Q16	19.76	19.80	19.92	20.50
			MID	Q16	19.62	19.73	19.69	20.50
	HIGH		Q16	19.81	19.62	19.87	20.50	
	25	LOW	Q16	19.68	19.75	19.95	20.50	
		MID	Q16	19.78	19.59	19.84	20.50	
		HIGH	Q16	19.83	19.91	19.77	20.50	
	50	LOW	Q16	19.71	19.61	19.63	20.50	
	10	1	LOW	64QAM	19.81	19.81	19.61	20.50
			MID	64QAM	19.88	19.94	19.81	20.50
HIGH			64QAM	19.98	19.66	19.65	20.50	
25		LOW	64QAM	19.91	19.73	19.66	20.50	
		MID	64QAM	19.77	19.61	19.62	20.50	
		HIGH	64QAM	19.74	19.82	19.61	20.50	
50		LOW	64QAM	19.63	19.62	19.71	20.50	

LTE B5-DSI4&5 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.64	23.67	23.71	25.00	
		MID	QPSK	23.77	23.66	23.67	25.00	
		HIGH	QPSK	23.76	23.78	23.87	25.00	
	3	LOW	QPSK	23.73	23.83	23.81	25.00	
		MID	QPSK	23.66	23.67	23.75	25.00	
		HIGH	QPSK	24.05	23.79	23.99	25.00	
	6	LOW	QPSK	22.56	22.69	22.50	24.00	
	1.4	1	LOW	Q16	23.22	23.20	22.97	24.00
			MID	Q16	23.13	23.22	23.11	24.00
HIGH			Q16	22.82	23.18	23.12	24.00	
3		LOW	Q16	23.31	22.97	23.12	24.00	
		MID	Q16	23.28	23.19	22.88	24.00	
		HIGH	Q16	23.03	23.25	23.27	24.00	
6		LOW	Q16	21.72	21.65	21.68	23.00	
1.4		1	LOW	64QAM	21.78	21.83	21.78	23.00
			MID	64QAM	21.78	21.92	21.74	23.00
	HIGH		64QAM	21.99	22.03	21.84	23.00	
	3	LOW	64QAM	21.58	21.92	21.83	23.00	
		MID	64QAM	21.57	21.70	21.85	23.00	
		HIGH	64QAM	21.75	22.07	21.86	23.00	
	6	LOW	64QAM	20.84	20.55	20.73	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.75	23.67	23.57	25.00
MID			QPSK	23.93	23.79	23.86	25.00	
HIGH			QPSK	24.03	23.92	23.80	25.00	
8		LOW	QPSK	22.55	22.67	22.64	24.00	
		MID	QPSK	22.92	22.52	22.81	24.00	
		HIGH	QPSK	23.02	22.74	22.53	24.00	
15		LOW	QPSK	22.60	22.79	22.56	24.00	
3		1	LOW	Q16	23.08	23.03	22.87	24.00
			MID	Q16	23.14	23.09	23.08	24.00
	HIGH		Q16	22.76	23.25	23.15	24.00	
	8	LOW	Q16	21.88	21.65	21.54	23.00	
		MID	Q16	21.82	21.74	21.79	23.00	
		HIGH	Q16	21.72	21.64	21.73	23.00	
	15	LOW	Q16	21.65	21.82	21.59	23.00	
	3	1	LOW	64QAM	21.69	21.84	21.69	23.00
			MID	64QAM	21.74	21.81	21.94	23.00
HIGH			64QAM	21.84	22.02	21.85	23.00	
8		LOW	64QAM	20.82	20.55	20.80	22.00	
		MID	64QAM	20.83	20.44	20.74	22.00	
		HIGH	64QAM	20.44	20.91	20.75	22.00	
15		LOW	64QAM	20.78	20.65	20.55	22.00	

LTE B5-DSI4&5 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.59	23.91	23.69	25.00	
		MID	QPSK	23.91	23.77	23.93	25.00	
		HIGH	QPSK	23.75	23.88	24.03	25.00	
	12	LOW	QPSK	22.53	22.78	22.50	24.00	
		MID	QPSK	23.03	22.72	22.63	24.00	
		HIGH	QPSK	22.85	22.93	22.65	24.00	
	25	LOW	QPSK	22.63	22.54	22.60	24.00	
	5	1	LOW	Q16	23.23	23.03	23.01	24.00
			MID	Q16	23.30	23.07	23.03	24.00
HIGH			Q16	22.81	23.14	23.18	24.00	
12		LOW	Q16	21.82	21.59	21.70	23.00	
		MID	Q16	21.79	21.87	21.80	23.00	
		HIGH	Q16	21.73	21.62	21.79	23.00	
25		LOW	Q16	21.65	21.70	21.86	23.00	
5		1	LOW	64QAM	21.53	21.72	21.75	23.00
			MID	64QAM	21.77	21.73	21.76	23.00
	HIGH		64QAM	21.95	21.93	21.82	23.00	
	12	LOW	64QAM	20.80	20.81	20.85	22.00	
		MID	64QAM	20.83	20.51	20.75	22.00	
		HIGH	64QAM	20.65	20.81	20.78	22.00	
	25	LOW	64QAM	20.59	20.60	20.63	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.64	23.78	23.67	25.00
MID			QPSK	23.78	23.70	23.81	25.00	
HIGH			QPSK	23.90	23.80	23.92	25.00	
25		LOW	QPSK	22.58	22.72	22.55	24.00	
		MID	QPSK	22.90	22.64	22.77	24.00	
		HIGH	QPSK	22.87	22.84	22.54	24.00	
50		LOW	QPSK	22.58	22.65	22.54	24.00	
10		1	LOW	Q16	23.19	23.06	23.02	24.00
			MID	Q16	23.26	23.10	23.02	24.00
	HIGH		Q16	22.91	23.12	23.20	24.00	
	25	LOW	Q16	21.81	21.71	21.60	23.00	
		MID	Q16	21.84	21.86	21.79	23.00	
		HIGH	Q16	21.65	21.61	21.85	23.00	
	50	LOW	Q16	21.75	21.67	21.73	23.00	
	10	1	LOW	64QAM	21.66	21.77	21.71	23.00
			MID	64QAM	21.67	21.84	21.88	23.00
HIGH			64QAM	21.88	21.92	21.71	23.00	
25		LOW	64QAM	20.75	20.70	20.76	22.00	
		MID	64QAM	20.78	20.57	20.80	22.00	
		HIGH	64QAM	20.51	20.77	20.73	22.00	
50		LOW	64QAM	20.66	20.54	20.69	22.00	

LTE B5-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.79	22.86	22.76	24.00	
		MID	QPSK	22.69	22.78	23.02	24.00	
		HIGH	QPSK	22.55	22.86	22.74	24.00	
	3	LOW	QPSK	22.53	22.72	22.83	24.00	
		MID	QPSK	22.56	22.70	23.00	24.00	
		HIGH	QPSK	22.47	22.69	22.82	24.00	
	6	LOW	QPSK	22.84	22.85	22.85	24.00	
	1.4	1	LOW	Q16	23.05	23.02	22.82	24.00
			MID	Q16	22.98	23.11	23.25	24.00
HIGH			Q16	23.29	23.25	23.20	24.00	
3		LOW	Q16	23.04	23.11	22.89	24.00	
		MID	Q16	23.04	22.93	23.07	24.00	
		HIGH	Q16	23.10	23.18	23.24	24.00	
6		LOW	Q16	21.85	21.77	21.68	23.00	
1.4		1	LOW	64QAM	21.63	21.74	21.89	23.00
			MID	64QAM	21.89	21.69	21.76	23.00
	HIGH		64QAM	21.56	21.60	21.72	23.00	
	3	LOW	64QAM	21.69	21.61	21.99	23.00	
		MID	64QAM	21.85	21.89	21.57	23.00	
		HIGH	64QAM	21.71	21.53	21.84	23.00	
	6	LOW	64QAM	20.59	20.79	20.44	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	22.74	22.87	22.92	24.00
MID			QPSK	22.54	22.69	22.94	24.00	
HIGH			QPSK	22.58	22.64	22.85	24.00	
8		LOW	QPSK	22.90	22.74	22.55	24.00	
		MID	QPSK	22.77	22.71	22.78	24.00	
		HIGH	QPSK	22.86	22.84	22.82	24.00	
15		LOW	QPSK	22.73	22.86	22.96	24.00	
3		1	LOW	Q16	23.09	23.08	22.96	24.00
			MID	Q16	22.95	23.01	23.21	24.00
	HIGH		Q16	23.14	23.10	23.05	24.00	
	8	LOW	Q16	21.78	21.84	21.46	23.00	
		MID	Q16	21.84	21.56	21.67	23.00	
		HIGH	Q16	21.60	21.91	21.61	23.00	
	15	LOW	Q16	21.84	21.95	21.58	23.00	
	3	1	LOW	64QAM	21.59	21.83	21.85	23.00
			MID	64QAM	21.75	21.80	21.81	23.00
HIGH			64QAM	21.60	21.49	21.71	23.00	
8		LOW	64QAM	20.41	20.87	20.68	22.00	
		MID	64QAM	20.67	20.74	20.71	22.00	
		HIGH	64QAM	21.03	20.83	21.01	22.00	
15		LOW	64QAM	20.91	20.75	20.69	22.00	

LTE B5-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	22.67	22.78	22.87	24.00	
		MID	QPSK	22.65	22.77	22.92	24.00	
		HIGH	QPSK	22.62	22.84	22.88	24.00	
	12	LOW	QPSK	22.80	22.89	22.63	24.00	
		MID	QPSK	22.89	22.73	23.01	24.00	
		HIGH	QPSK	22.83	22.89	22.68	24.00	
	25	LOW	QPSK	22.88	22.81	22.81	24.00	
	5	1	LOW	Q16	23.03	23.05	22.92	24.00
			MID	Q16	22.95	23.11	23.26	24.00
HIGH			Q16	23.23	23.32	23.23	24.00	
12		LOW	Q16	21.73	21.72	21.71	23.00	
		MID	Q16	21.90	21.64	21.72	23.00	
		HIGH	Q16	21.58	21.81	21.68	23.00	
25		LOW	Q16	21.80	21.94	21.73	23.00	
5		1	LOW	64QAM	21.52	21.57	21.92	23.00
			MID	64QAM	21.92	21.63	21.58	23.00
	HIGH		64QAM	21.70	21.65	21.76	23.00	
	12	LOW	64QAM	20.59	20.76	20.56	22.00	
		MID	64QAM	20.89	20.71	20.93	22.00	
		HIGH	64QAM	21.00	20.92	20.80	22.00	
	25	LOW	64QAM	21.03	20.79	20.53	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	22.66	22.73	22.78	24.00
MID			QPSK	22.69	22.80	22.94	24.00	
HIGH			QPSK	22.60	22.72	22.74	24.00	
25		LOW	QPSK	22.92	22.74	22.57	24.00	
		MID	QPSK	22.82	22.72	22.88	24.00	
		HIGH	QPSK	22.93	22.81	22.68	24.00	
50		LOW	QPSK	22.79	22.78	22.92	24.00	
10		1	LOW	Q16	22.96	23.05	22.89	24.00
			MID	Q16	22.97	23.01	23.19	24.00
	HIGH		Q16	23.18	23.25	23.13	24.00	
	25	LOW	Q16	21.78	21.69	21.57	23.00	
		MID	Q16	21.86	21.71	21.57	23.00	
		HIGH	Q16	21.63	21.88	21.53	23.00	
	50	LOW	Q16	21.88	21.87	21.59	23.00	
	10	1	LOW	64QAM	21.65	21.72	21.85	23.00
			MID	64QAM	21.84	21.77	21.69	23.00
HIGH			64QAM	21.70	21.52	21.74	23.00	
25		LOW	64QAM	20.55	20.73	20.56	22.00	
		MID	64QAM	20.82	20.81	20.85	22.00	
		HIGH	64QAM	20.93	20.78	20.93	22.00	
50		LOW	64QAM	20.88	20.83	20.61	22.00	

## 8.3.3 LTE Band5 Output Power(UL Inter CA)

LTE B5-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.63	21.53	21.74	23.00	
		MID	QPSK	21.44	21.55	21.55	23.00	
		HIGH	QPSK	21.39	21.55	21.55	23.00	
	3	LOW	QPSK	21.49	21.42	21.63	23.00	
		MID	QPSK	21.38	21.53	21.65	23.00	
		HIGH	QPSK	21.43	21.49	21.57	23.00	
	6	LOW	QPSK	20.56	20.45	20.62	22.00	
	1.4	1	LOW	Q16	20.27	20.74	20.58	22.00
			MID	Q16	20.64	20.67	20.48	22.00
HIGH			Q16	20.46	20.56	20.61	22.00	
3		LOW	Q16	20.50	20.79	20.46	22.00	
		MID	Q16	20.74	20.49	20.55	22.00	
		HIGH	Q16	20.69	20.66	20.51	22.00	
6		LOW	Q16	19.75	19.38	19.51	21.00	
1.4		1	LOW	64QAM	19.34	19.39	19.67	21.00
			MID	64QAM	19.46	19.52	19.43	21.00
	HIGH		64QAM	19.44	19.59	19.59	21.00	
	3	LOW	64QAM	19.49	19.46	19.42	21.00	
		MID	64QAM	19.40	19.52	19.38	21.00	
		HIGH	64QAM	19.57	19.47	19.40	21.00	
	6	LOW	64QAM	18.51	18.49	18.76	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	21.68	21.38	21.69	23.00
MID			QPSK	21.32	21.45	21.78	23.00	
HIGH			QPSK	21.35	21.58	21.32	23.00	
8		LOW	QPSK	20.45	20.63	20.62	22.00	
		MID	QPSK	20.61	20.31	20.40	22.00	
		HIGH	QPSK	20.52	20.56	20.48	22.00	
15		LOW	QPSK	20.53	20.49	20.70	22.00	
3		1	LOW	Q16	20.40	20.72	20.53	22.00
			MID	Q16	20.62	20.68	20.48	22.00
	HIGH		Q16	20.49	20.60	20.36	22.00	
	8	LOW	Q16	19.49	19.51	19.26	21.00	
		MID	Q16	19.68	19.61	19.54	21.00	
		HIGH	Q16	19.47	19.51	19.49	21.00	
	15	LOW	Q16	19.40	19.55	19.54	21.00	
	3	1	LOW	64QAM	19.33	19.41	19.50	21.00
			MID	64QAM	19.26	19.48	19.54	21.00
HIGH			64QAM	19.40	19.41	19.39	21.00	
8		LOW	64QAM	18.48	18.68	18.75	20.00	
		MID	64QAM	18.70	18.61	18.54	20.00	
		HIGH	64QAM	18.74	18.80	18.46	20.00	
15		LOW	64QAM	18.69	18.44	18.67	20.00	



LTE B5-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	21.47	21.52	21.48	23.00	
		MID	QPSK	21.24	21.43	21.53	23.00	
		HIGH	QPSK	21.52	21.48	21.53	23.00	
	12	LOW	QPSK	20.37	20.50	20.60	22.00	
		MID	QPSK	20.50	20.51	20.47	22.00	
		HIGH	QPSK	20.51	20.48	20.48	22.00	
	25	LOW	QPSK	20.40	20.29	20.57	22.00	
	5	1	LOW	Q16	20.30	20.72	20.56	22.00
			MID	Q16	20.80	20.57	20.45	22.00
HIGH			Q16	20.54	20.56	20.49	22.00	
12		LOW	Q16	19.68	19.33	19.39	21.00	
		MID	Q16	19.58	19.39	19.67	21.00	
		HIGH	Q16	19.33	19.52	19.68	21.00	
25		LOW	Q16	19.42	19.65	19.57	21.00	
5		1	LOW	64QAM	19.41	19.33	19.38	21.00
			MID	64QAM	19.31	19.36	19.46	21.00
	HIGH		64QAM	19.58	19.41	19.49	21.00	
	12	LOW	64QAM	18.48	18.65	18.57	20.00	
		MID	64QAM	18.71	18.42	18.40	20.00	
		HIGH	64QAM	18.50	18.66	18.43	20.00	
	25	LOW	64QAM	18.72	18.59	18.42	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	21.57	21.50	21.61	23.00
MID			QPSK	21.39	21.50	21.64	23.00	
HIGH			QPSK	21.47	21.48	21.43	23.00	
25		LOW	QPSK	20.52	20.63	20.60	22.00	
		MID	QPSK	20.48	20.39	20.48	22.00	
		HIGH	QPSK	20.43	20.44	20.57	22.00	
50		LOW	QPSK	20.54	20.41	20.62	22.00	
10		1	LOW	Q16	20.39	20.65	20.51	22.00
			MID	Q16	20.65	20.61	20.41	22.00
	HIGH		Q16	20.60	20.64	20.47	22.00	
	25	LOW	Q16	19.60	19.38	19.38	21.00	
		MID	Q16	19.61	19.49	19.62	21.00	
		HIGH	Q16	19.46	19.40	19.62	21.00	
	50	LOW	Q16	19.53	19.56	19.65	21.00	
	10	1	LOW	64QAM	19.42	19.43	19.52	21.00
			MID	64QAM	19.41	19.49	19.47	21.00
HIGH			64QAM	19.45	19.53	19.53	21.00	
25		LOW	64QAM	18.45	18.60	18.63	20.00	
		MID	64QAM	18.62	18.49	18.46	20.00	
		HIGH	64QAM	18.65	18.65	18.53	20.00	
50		LOW	64QAM	18.59	18.54	18.53	20.00	

LTE B5-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.26	16.99	16.97	18.50	
		MID	QPSK	17.09	17.13	16.96	18.50	
		HIGH	QPSK	16.99	16.79	16.99	18.50	
	3	LOW	QPSK	17.06	17.08	17.03	18.50	
		MID	QPSK	17.12	17.12	16.93	18.50	
		HIGH	QPSK	17.03	17.01	16.99	18.50	
	6	LOW	QPSK	16.86	17.28	17.10	18.50	
	1.4	1	LOW	Q16	17.08	17.08	17.01	18.50
			MID	Q16	17.08	16.95	16.94	18.50
HIGH			Q16	17.01	17.01	16.94	18.50	
3		LOW	Q16	17.00	17.16	17.20	18.50	
		MID	Q16	16.95	17.12	16.80	18.50	
		HIGH	Q16	17.15	16.90	17.01	18.50	
6		LOW	Q16	17.19	17.06	16.97	18.50	
1.4		1	LOW	64QAM	17.04	17.19	16.81	18.50
			MID	64QAM	16.86	16.95	16.94	18.50
	HIGH		64QAM	16.95	17.16	16.92	18.50	
	3	LOW	64QAM	17.02	17.19	16.86	18.50	
		MID	64QAM	16.87	16.85	17.02	18.50	
		HIGH	64QAM	17.05	17.01	16.73	18.50	
	6	LOW	64QAM	17.04	17.23	17.12	18.50	
	Bandwidth (	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	17.02	17.01	16.94	18.50
MID			QPSK	16.87	17.00	16.95	18.50	
HIGH			QPSK	16.97	16.87	17.12	18.50	
8		LOW	QPSK	16.97	16.93	17.09	18.50	
		MID	QPSK	17.04	17.02	17.06	18.50	
		HIGH	QPSK	16.90	16.82	17.08	18.50	
15		LOW	QPSK	16.79	17.03	17.15	18.50	
3		1	LOW	Q16	17.00	17.14	16.91	18.50
			MID	Q16	16.89	17.01	16.79	18.50
	HIGH		Q16	17.15	16.88	16.95	18.50	
	8	LOW	Q16	17.18	16.92	17.06	18.50	
		MID	Q16	16.97	16.89	16.87	18.50	
		HIGH	Q16	17.13	17.12	16.98	18.50	
	15	LOW	Q16	16.85	17.12	16.91	18.50	
	3	1	LOW	64QAM	16.99	17.08	16.99	18.50
			MID	64QAM	16.90	16.93	16.83	18.50
HIGH			64QAM	16.95	17.06	16.73	18.50	
8		LOW	64QAM	17.23	17.05	16.98	18.50	
		MID	64QAM	17.19	16.75	16.80	18.50	
		HIGH	64QAM	17.22	16.79	16.95	18.50	
15		LOW	64QAM	17.07	17.24	16.97	18.50	

LTE B5-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	17.15	16.89	16.99	18.50	
		MID	QPSK	16.84	17.10	16.92	18.50	
		HIGH	QPSK	17.00	16.86	17.10	18.50	
	12	LOW	QPSK	17.05	16.89	17.11	18.50	
		MID	QPSK	17.24	17.15	17.07	18.50	
		HIGH	QPSK	16.93	16.86	16.92	18.50	
	25	LOW	QPSK	16.87	17.05	17.20	18.50	
	5	1	LOW	Q16	16.95	17.02	16.98	18.50
			MID	Q16	16.83	17.07	16.95	18.50
HIGH			Q16	17.17	16.76	16.91	18.50	
12		LOW	Q16	17.02	16.83	17.05	18.50	
		MID	Q16	16.99	17.00	16.87	18.50	
		HIGH	Q16	17.14	16.89	16.85	18.50	
25		LOW	Q16	17.04	16.90	17.05	18.50	
5		1	LOW	64QAM	17.15	17.25	17.04	18.50
			MID	64QAM	16.95	17.00	17.05	18.50
	HIGH		64QAM	16.89	16.95	16.99	18.50	
	12	LOW	64QAM	17.22	17.23	17.03	18.50	
		MID	64QAM	17.23	16.78	16.75	18.50	
		HIGH	64QAM	17.13	16.78	16.82	18.50	
	25	LOW	64QAM	17.05	17.20	16.96	18.50	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	17.12	17.00	16.99	18.50
MID			QPSK	16.97	16.99	16.95	18.50	
HIGH			QPSK	17.05	16.91	17.02	18.50	
25		LOW	QPSK	17.02	16.97	17.12	18.50	
		MID	QPSK	17.09	17.01	16.95	18.50	
		HIGH	QPSK	16.96	16.86	17.02	18.50	
50		LOW	QPSK	16.89	17.15	17.10	18.50	
10		1	LOW	Q16	17.08	17.01	17.05	18.50
			MID	Q16	16.95	17.09	16.85	18.50
	HIGH		Q16	17.02	16.86	16.94	18.50	
	25	LOW	Q16	17.15	16.92	16.98	18.50	
		MID	Q16	17.06	16.94	16.85	18.50	
		HIGH	Q16	17.04	16.97	16.97	18.50	
	50	LOW	Q16	16.95	17.02	17.03	18.50	
	10	1	LOW	64QAM	17.00	17.12	16.93	18.50
			MID	64QAM	16.99	16.95	16.96	18.50
HIGH			64QAM	17.03	17.01	16.88	18.50	
25		LOW	64QAM	17.09	17.14	17.09	18.50	
		MID	64QAM	17.13	16.88	16.86	18.50	
		HIGH	64QAM	17.07	16.92	16.86	18.50	
50		LOW	64QAM	16.92	17.11	16.89	18.50	

LTE B5-DSI4&5 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.63	21.53	21.74	23.00	
		MID	QPSK	21.44	21.55	21.55	23.00	
		HIGH	QPSK	21.39	21.55	21.55	23.00	
	3	LOW	QPSK	21.49	21.42	21.63	23.00	
		MID	QPSK	21.38	21.53	21.65	23.00	
		HIGH	QPSK	21.43	21.49	21.57	23.00	
	6	LOW	QPSK	20.56	20.45	20.62	22.00	
	1.4	1	LOW	Q16	20.27	20.74	20.58	22.00
			MID	Q16	20.64	20.67	20.48	22.00
HIGH			Q16	20.46	20.56	20.61	22.00	
3		LOW	Q16	20.50	20.79	20.46	22.00	
		MID	Q16	20.74	20.49	20.55	22.00	
		HIGH	Q16	20.69	20.66	20.51	22.00	
6		LOW	Q16	19.75	19.38	19.51	21.00	
1.4		1	LOW	64QAM	19.34	19.39	19.67	21.00
			MID	64QAM	19.46	19.52	19.43	21.00
	HIGH		64QAM	19.44	19.59	19.59	21.00	
	3	LOW	64QAM	19.49	19.46	19.42	21.00	
		MID	64QAM	19.40	19.52	19.38	21.00	
		HIGH	64QAM	19.57	19.47	19.40	21.00	
	6	LOW	64QAM	18.51	18.49	18.76	20.00	
	Bandwidth (	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	21.68	21.38	21.69	23.00
MID			QPSK	21.32	21.45	21.78	23.00	
HIGH			QPSK	21.35	21.58	21.32	23.00	
8		LOW	QPSK	20.45	20.63	20.62	22.00	
		MID	QPSK	20.61	20.31	20.40	22.00	
		HIGH	QPSK	20.52	20.56	20.48	22.00	
15		LOW	QPSK	20.53	20.49	20.70	22.00	
3		1	LOW	Q16	20.40	20.72	20.53	22.00
			MID	Q16	20.62	20.68	20.48	22.00
	HIGH		Q16	20.49	20.60	20.36	22.00	
	8	LOW	Q16	19.49	19.51	19.26	21.00	
		MID	Q16	19.68	19.61	19.54	21.00	
		HIGH	Q16	19.47	19.51	19.49	21.00	
	15	LOW	Q16	19.40	19.55	19.54	21.00	
	3	1	LOW	64QAM	19.33	19.41	19.50	21.00
			MID	64QAM	19.26	19.48	19.54	21.00
HIGH			64QAM	19.40	19.41	19.39	21.00	
8		LOW	64QAM	18.48	18.68	18.75	20.00	
		MID	64QAM	18.70	18.61	18.54	20.00	
		HIGH	64QAM	18.74	18.80	18.46	20.00	
15		LOW	64QAM	18.69	18.44	18.67	20.00	

LTE B5-DSI4&5 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	21.47	21.52	21.48	23.00	
		MID	QPSK	21.24	21.43	21.53	23.00	
		HIGH	QPSK	21.52	21.48	21.53	23.00	
	12	LOW	QPSK	20.37	20.50	20.60	22.00	
		MID	QPSK	20.50	20.51	20.47	22.00	
		HIGH	QPSK	20.51	20.48	20.48	22.00	
	25	LOW	QPSK	20.40	20.29	20.57	22.00	
	5	1	LOW	Q16	20.30	20.72	20.56	22.00
			MID	Q16	20.80	20.57	20.45	22.00
HIGH			Q16	20.54	20.56	20.49	22.00	
12		LOW	Q16	19.68	19.33	19.39	21.00	
		MID	Q16	19.58	19.39	19.67	21.00	
		HIGH	Q16	19.33	19.52	19.68	21.00	
25		LOW	Q16	19.42	19.65	19.57	21.00	
5		1	LOW	64QAM	19.41	19.33	19.38	21.00
			MID	64QAM	19.31	19.36	19.46	21.00
	HIGH		64QAM	19.58	19.41	19.49	21.00	
	12	LOW	64QAM	18.48	18.65	18.57	20.00	
		MID	64QAM	18.71	18.42	18.40	20.00	
		HIGH	64QAM	18.50	18.66	18.43	20.00	
	25	LOW	64QAM	18.72	18.59	18.42	20.00	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	21.57	21.50	21.61	23.00
MID			QPSK	21.39	21.50	21.64	23.00	
HIGH			QPSK	21.47	21.48	21.43	23.00	
25		LOW	QPSK	20.52	20.63	20.60	22.00	
		MID	QPSK	20.48	20.39	20.48	22.00	
		HIGH	QPSK	20.43	20.44	20.57	22.00	
50		LOW	QPSK	20.54	20.41	20.62	22.00	
10		1	LOW	Q16	20.39	20.65	20.51	22.00
			MID	Q16	20.65	20.61	20.41	22.00
	HIGH		Q16	20.60	20.64	20.47	22.00	
	25	LOW	Q16	19.60	19.38	19.38	21.00	
		MID	Q16	19.61	19.49	19.62	21.00	
		HIGH	Q16	19.46	19.40	19.62	21.00	
	50	LOW	Q16	19.53	19.56	19.65	21.00	
	10	1	LOW	64QAM	19.42	19.43	19.52	21.00
			MID	64QAM	19.41	19.49	19.47	21.00
HIGH			64QAM	19.45	19.53	19.53	21.00	
25		LOW	64QAM	18.45	18.60	18.63	20.00	
		MID	64QAM	18.62	18.49	18.46	20.00	
		HIGH	64QAM	18.65	18.65	18.53	20.00	
50		LOW	64QAM	18.59	18.54	18.53	20.00	

LTE B5-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.61	20.37	20.47	22.00	
		MID	QPSK	20.76	20.55	20.51	22.00	
		HIGH	QPSK	20.72	20.55	20.41	22.00	
	3	LOW	QPSK	20.65	20.44	20.66	22.00	
		MID	QPSK	20.77	20.56	20.62	22.00	
		HIGH	QPSK	20.45	20.45	20.49	22.00	
	6	LOW	QPSK	20.65	20.73	20.56	22.00	
	1.4	1	LOW	Q16	20.72	20.48	20.67	22.00
			MID	Q16	20.56	20.71	20.44	22.00
HIGH			Q16	20.69	20.50	20.53	22.00	
3		LOW	Q16	20.68	20.70	20.71	22.00	
		MID	Q16	20.55	20.68	20.38	22.00	
		HIGH	Q16	20.59	20.49	20.47	22.00	
6		LOW	Q16	19.47	19.35	19.67	21.00	
1.4		1	LOW	64QAM	19.50	19.35	19.68	21.00
			MID	64QAM	19.32	19.61	19.49	21.00
	HIGH		64QAM	19.49	19.29	19.40	21.00	
	3	LOW	64QAM	19.51	19.30	19.64	21.00	
		MID	64QAM	19.35	19.63	19.56	21.00	
		HIGH	64QAM	19.62	19.38	19.39	21.00	
	6	LOW	64QAM	18.64	18.35	18.39	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	20.65	20.36	20.46	22.00
MID			QPSK	20.77	20.77	20.47	22.00	
HIGH			QPSK	20.59	20.65	20.47	22.00	
8		LOW	QPSK	20.59	20.59	20.54	22.00	
		MID	QPSK	20.59	20.34	20.40	22.00	
		HIGH	QPSK	20.51	20.30	20.58	22.00	
15		LOW	QPSK	20.56	20.56	20.33	22.00	
3		1	LOW	Q16	20.53	20.52	20.56	22.00
			MID	Q16	20.63	20.68	20.60	22.00
	HIGH		Q16	20.69	20.29	20.44	22.00	
	8	LOW	Q16	19.68	19.38	19.64	21.00	
		MID	Q16	19.39	19.62	19.29	21.00	
		HIGH	Q16	19.66	19.24	19.40	21.00	
	15	LOW	Q16	19.38	19.42	19.63	21.00	
	3	1	LOW	64QAM	19.68	19.24	19.80	21.00
			MID	64QAM	19.50	19.69	19.42	21.00
HIGH			64QAM	19.52	19.33	19.62	21.00	
8		LOW	64QAM	18.45	18.54	18.60	20.00	
		MID	64QAM	18.50	18.54	18.73	20.00	
		HIGH	64QAM	18.58	18.35	18.58	20.00	
15		LOW	64QAM	18.59	18.44	18.28	20.00	

LTE B5-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	20.50	20.47	20.74	22.00	
		MID	QPSK	20.68	20.75	20.51	22.00	
		HIGH	QPSK	20.55	20.61	20.54	22.00	
	12	LOW	QPSK	20.64	20.63	20.63	22.00	
		MID	QPSK	20.60	20.56	20.56	22.00	
		HIGH	QPSK	20.74	20.45	20.54	22.00	
	25	LOW	QPSK	20.46	20.72	20.38	22.00	
	5	1	LOW	Q16	20.62	20.75	20.57	22.00
			MID	Q16	20.40	20.57	20.60	22.00
HIGH			Q16	20.63	20.49	20.41	22.00	
12		LOW	Q16	19.57	19.47	19.47	21.00	
		MID	Q16	19.53	19.49	19.27	21.00	
		HIGH	Q16	19.52	19.52	19.65	21.00	
25		LOW	Q16	19.36	19.49	19.55	21.00	
5		1	LOW	64QAM	19.55	19.53	19.65	21.00
			MID	64QAM	19.33	19.69	19.49	21.00
	HIGH		64QAM	19.53	19.53	19.37	21.00	
	12	LOW	64QAM	18.46	18.41	18.51	20.00	
		MID	64QAM	18.63	18.80	18.51	20.00	
		HIGH	64QAM	18.45	18.53	18.62	20.00	
	25	LOW	64QAM	18.64	18.57	18.38	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	20.64	20.40	20.61	22.00
MID			QPSK	20.65	20.62	20.55	22.00	
HIGH			QPSK	20.58	20.50	20.54	22.00	
25		LOW	QPSK	20.65	20.52	20.59	22.00	
		MID	QPSK	20.59	20.43	20.49	22.00	
		HIGH	QPSK	20.61	20.40	20.62	22.00	
50		LOW	QPSK	20.57	20.58	20.47	22.00	
10		1	LOW	Q16	20.61	20.63	20.56	22.00
			MID	Q16	20.53	20.63	20.47	22.00
	HIGH		Q16	20.55	20.44	20.54	22.00	
	25	LOW	Q16	19.55	19.44	19.53	21.00	
		MID	Q16	19.42	19.57	19.42	21.00	
		HIGH	Q16	19.51	19.37	19.50	21.00	
	50	LOW	Q16	19.39	19.51	19.62	21.00	
	10	1	LOW	64QAM	19.57	19.39	19.65	21.00
			MID	64QAM	19.35	19.60	19.50	21.00
HIGH			64QAM	19.63	19.42	19.47	21.00	
25		LOW	64QAM	18.53	18.46	18.54	20.00	
		MID	64QAM	18.60	18.65	18.63	20.00	
		HIGH	64QAM	18.51	18.50	18.62	20.00	
50		LOW	64QAM	18.60	18.49	18.36	20.00	

## 8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.35	23.24	23.42	25.00	
		MID	QPSK	23.48	23.37	23.24	25.00	
		HIGH	QPSK	23.23	23.36	23.22	25.00	
	3	LOW	QPSK	23.28	23.48	23.43	25.00	
		MID	QPSK	23.38	23.44	23.30	25.00	
		HIGH	QPSK	23.35	23.36	23.19	25.00	
	6	LOW	QPSK	22.45	22.43	22.28	24.00	
	1.4	1	LOW	Q16	22.62	22.84	22.67	24.00
			MID	Q16	22.73	22.85	22.45	24.00
HIGH			Q16	22.60	22.62	22.42	24.00	
3		LOW	Q16	22.45	22.81	22.61	24.00	
		MID	Q16	22.79	22.81	22.43	24.00	
		HIGH	Q16	22.61	22.56	22.34	24.00	
6		LOW	Q16	21.42	21.43	21.35	23.00	
1.4		1	LOW	64QAM	21.77	21.72	21.61	23.00
			MID	64QAM	21.77	21.85	21.41	23.00
	HIGH		64QAM	21.69	21.48	21.36	23.00	
	3	LOW	64QAM	21.34	21.71	21.55	23.00	
		MID	64QAM	21.78	21.77	21.34	23.00	
		HIGH	64QAM	21.56	21.50	21.26	23.00	
	6	LOW	64QAM	20.34	20.44	20.42	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.44	23.49	23.25	25.00
MID			QPSK	23.50	23.42	23.52	25.00	
HIGH			QPSK	23.32	23.22	23.15	25.00	
8		LOW	QPSK	22.17	22.27	22.31	24.00	
		MID	QPSK	22.26	22.48	22.30	24.00	
		HIGH	QPSK	22.41	22.33	22.33	24.00	
15		LOW	QPSK	22.47	22.48	22.25	24.00	
3		1	LOW	Q16	22.60	22.68	22.58	24.00
			MID	Q16	22.69	22.79	22.43	24.00
	HIGH		Q16	22.54	22.69	22.23	24.00	
	8	LOW	Q16	21.33	21.36	21.42	23.00	
		MID	Q16	21.50	21.39	21.39	23.00	
		HIGH	Q16	21.43	21.31	21.52	23.00	
	15	LOW	Q16	21.50	21.27	21.17	23.00	
	3	1	LOW	64QAM	21.53	21.72	21.32	23.00
			MID	64QAM	21.61	21.82	21.46	23.00
HIGH			64QAM	21.81	21.52	21.49	23.00	
8		LOW	64QAM	20.18	20.53	20.47	22.00	
		MID	64QAM	20.37	20.45	20.16	22.00	
		HIGH	64QAM	20.40	20.22	20.24	22.00	
15		LOW	64QAM	20.37	20.43	20.23	22.00	



LTE B5-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.29	23.28	23.30	25.00	
		MID	QPSK	23.22	23.40	23.43	25.00	
		HIGH	QPSK	23.37	23.44	23.23	25.00	
	12	LOW	QPSK	22.36	22.24	22.29	24.00	
		MID	QPSK	22.30	22.38	22.44	24.00	
		HIGH	QPSK	22.21	22.47	22.33	24.00	
	25	LOW	QPSK	22.31	22.41	22.15	24.00	
	5	1	LOW	Q16	22.69	22.62	22.47	24.00
			MID	Q16	22.84	22.68	22.49	24.00
HIGH			Q16	22.59	22.59	22.28	24.00	
12		LOW	Q16	21.50	21.39	21.26	23.00	
		MID	Q16	21.26	21.47	21.25	23.00	
		HIGH	Q16	21.48	21.45	21.49	23.00	
25		LOW	Q16	21.38	21.34	21.37	23.00	
5		1	LOW	64QAM	21.55	21.90	21.38	23.00
			MID	64QAM	21.49	21.71	21.62	23.00
	HIGH		64QAM	21.78	21.77	21.43	23.00	
	12	LOW	64QAM	20.31	20.34	20.39	22.00	
		MID	64QAM	20.37	20.19	20.14	22.00	
		HIGH	64QAM	20.29	20.25	20.44	22.00	
	25	LOW	64QAM	20.26	20.42	20.39	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.35	23.35	23.34	25.00
MID			QPSK	23.36	23.40	23.39	25.00	
HIGH			QPSK	23.34	23.31	23.30	25.00	
25		LOW	QPSK	22.29	22.35	22.32	24.00	
		MID	QPSK	22.38	22.33	22.33	24.00	
		HIGH	QPSK	22.36	22.38	22.32	24.00	
50		LOW	QPSK	22.36	22.33	22.30	24.00	
10		1	LOW	Q16	22.60	22.73	22.55	24.00
			MID	Q16	22.77	22.74	22.53	24.00
	HIGH		Q16	22.61	22.59	22.38	24.00	
	25	LOW	Q16	21.36	21.38	21.34	23.00	
		MID	Q16	21.37	21.32	21.31	23.00	
		HIGH	Q16	21.35	21.41	21.39	23.00	
	50	LOW	Q16	21.38	21.35	21.31	23.00	
	10	1	LOW	64QAM	21.66	21.84	21.41	23.00
			MID	64QAM	21.62	21.86	21.47	23.00
HIGH			64QAM	21.67	21.66	21.35	23.00	
25		LOW	64QAM	20.24	20.44	20.38	22.00	
		MID	64QAM	20.37	20.31	20.28	22.00	
		HIGH	64QAM	20.36	20.37	20.38	22.00	
50		LOW	64QAM	20.36	20.49	20.32	22.00	

LTE B5-DS12&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.35	23.24	23.42	25.00	
		MID	QPSK	23.48	23.37	23.24	25.00	
		HIGH	QPSK	23.23	23.36	23.22	25.00	
	3	LOW	QPSK	23.28	23.48	23.43	25.00	
		MID	QPSK	23.38	23.44	23.30	25.00	
		HIGH	QPSK	23.35	23.36	23.19	25.00	
	6	LOW	QPSK	22.45	22.43	22.28	24.00	
	1.4	1	LOW	Q16	22.62	22.84	22.67	24.00
			MID	Q16	22.73	22.85	22.45	24.00
HIGH			Q16	22.60	22.62	22.42	24.00	
3		LOW	Q16	22.45	22.81	22.61	24.00	
		MID	Q16	22.79	22.81	22.43	24.00	
		HIGH	Q16	22.61	22.56	22.34	24.00	
6		LOW	Q16	21.42	21.43	21.35	23.00	
1.4		1	LOW	64QAM	21.77	21.72	21.61	23.00
			MID	64QAM	21.77	21.85	21.41	23.00
	HIGH		64QAM	21.69	21.48	21.36	23.00	
	3	LOW	64QAM	21.34	21.71	21.55	23.00	
		MID	64QAM	21.78	21.77	21.34	23.00	
		HIGH	64QAM	21.56	21.50	21.26	23.00	
	6	LOW	64QAM	20.34	20.44	20.42	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.44	23.49	23.25	25.00
MID			QPSK	23.50	23.42	23.52	25.00	
HIGH			QPSK	23.32	23.22	23.15	25.00	
8		LOW	QPSK	22.17	22.27	22.31	24.00	
		MID	QPSK	22.26	22.48	22.30	24.00	
		HIGH	QPSK	22.41	22.33	22.33	24.00	
15		LOW	QPSK	22.47	22.48	22.25	24.00	
3		1	LOW	Q16	22.60	22.68	22.58	24.00
			MID	Q16	22.69	22.79	22.43	24.00
	HIGH		Q16	22.54	22.69	22.23	24.00	
	8	LOW	Q16	21.33	21.36	21.42	23.00	
		MID	Q16	21.50	21.39	21.39	23.00	
		HIGH	Q16	21.43	21.31	21.52	23.00	
	15	LOW	Q16	21.50	21.27	21.17	23.00	
	3	1	LOW	64QAM	21.53	21.72	21.32	23.00
			MID	64QAM	21.61	21.82	21.46	23.00
HIGH			64QAM	21.81	21.52	21.49	23.00	
8		LOW	64QAM	20.18	20.53	20.47	22.00	
		MID	64QAM	20.37	20.45	20.16	22.00	
		HIGH	64QAM	20.40	20.22	20.24	22.00	
15		LOW	64QAM	20.37	20.43	20.23	22.00	

LTE B5-DS12&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	23.29	23.28	23.30	25.00	
		MID	QPSK	23.22	23.40	23.43	25.00	
		HIGH	QPSK	23.37	23.44	23.23	25.00	
	12	LOW	QPSK	22.36	22.24	22.29	24.00	
		MID	QPSK	22.30	22.38	22.44	24.00	
		HIGH	QPSK	22.21	22.47	22.33	24.00	
	25	LOW	QPSK	22.31	22.41	22.15	24.00	
	5	1	LOW	Q16	22.69	22.62	22.47	24.00
			MID	Q16	22.84	22.68	22.49	24.00
HIGH			Q16	22.59	22.59	22.28	24.00	
12		LOW	Q16	21.50	21.39	21.26	23.00	
		MID	Q16	21.26	21.47	21.25	23.00	
		HIGH	Q16	21.48	21.45	21.49	23.00	
25		LOW	Q16	21.38	21.34	21.37	23.00	
5		1	LOW	64QAM	21.55	21.90	21.38	23.00
			MID	64QAM	21.49	21.71	21.62	23.00
	HIGH		64QAM	21.78	21.77	21.43	23.00	
	12	LOW	64QAM	20.31	20.34	20.39	22.00	
		MID	64QAM	20.37	20.19	20.14	22.00	
		HIGH	64QAM	20.29	20.25	20.44	22.00	
	25	LOW	64QAM	20.26	20.42	20.39	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.35	23.35	23.34	25.00
MID			QPSK	23.36	23.40	23.39	25.00	
HIGH			QPSK	23.34	23.31	23.30	25.00	
25		LOW	QPSK	22.29	22.35	22.32	24.00	
		MID	QPSK	22.38	22.33	22.33	24.00	
		HIGH	QPSK	22.36	22.38	22.32	24.00	
50		LOW	QPSK	22.36	22.33	22.30	24.00	
10		1	LOW	Q16	22.60	22.73	22.55	24.00
			MID	Q16	22.77	22.74	22.53	24.00
	HIGH		Q16	22.61	22.59	22.38	24.00	
	25	LOW	Q16	21.36	21.38	21.34	23.00	
		MID	Q16	21.37	21.32	21.31	23.00	
		HIGH	Q16	21.35	21.41	21.39	23.00	
	50	LOW	Q16	21.38	21.35	21.31	23.00	
	10	1	LOW	64QAM	21.66	21.84	21.41	23.00
			MID	64QAM	21.62	21.86	21.47	23.00
HIGH			64QAM	21.67	21.66	21.35	23.00	
25		LOW	64QAM	20.24	20.44	20.38	22.00	
		MID	64QAM	20.37	20.31	20.28	22.00	
		HIGH	64QAM	20.36	20.37	20.38	22.00	
50		LOW	64QAM	20.36	20.49	20.32	22.00	

## 8.3.3 LTE Band5 Output Power

LTE B5-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	24.03	23.66	23.89	25.00	
		MID	QPSK	23.83	23.85	24.00	25.00	
		HIGH	QPSK	23.55	23.63	23.77	25.00	
	3	LOW	QPSK	24.05	23.62	23.95	25.00	
		MID	QPSK	23.87	23.67	23.88	25.00	
		HIGH	QPSK	23.50	23.78	23.51	25.00	
	6	LOW	QPSK	22.59	22.55	22.46	24.00	
	1.4	1	LOW	Q16	22.88	22.75	22.74	24.00
			MID	Q16	22.78	22.69	22.63	24.00
HIGH			Q16	22.76	22.67	22.71	24.00	
3		LOW	Q16	22.82	22.57	22.85	24.00	
		MID	Q16	22.79	22.75	22.73	24.00	
		HIGH	Q16	22.74	22.83	22.65	24.00	
6		LOW	Q16	21.68	21.74	21.66	23.00	
1.4		1	LOW	64QAM	21.63	21.71	21.58	23.00
			MID	64QAM	21.85	21.50	21.79	23.00
	HIGH		64QAM	21.52	21.53	21.55	23.00	
	3	LOW	64QAM	21.63	21.56	21.62	23.00	
		MID	64QAM	21.69	21.64	21.59	23.00	
		HIGH	64QAM	21.55	21.58	21.59	23.00	
	6	LOW	64QAM	20.74	20.87	20.69	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.88	23.89	23.79	25.00
MID			QPSK	23.74	23.82	23.95	25.00	
HIGH			QPSK	23.55	23.70	23.59	25.00	
8		LOW	QPSK	22.82	22.59	22.97	24.00	
		MID	QPSK	22.58	22.64	22.56	24.00	
		HIGH	QPSK	22.59	22.61	22.74	24.00	
15		LOW	QPSK	22.42	22.61	22.30	24.00	
3		1	LOW	Q16	22.99	22.65	22.88	24.00
			MID	Q16	22.83	22.62	22.87	24.00
	HIGH		Q16	22.75	22.60	22.69	24.00	
	8	LOW	Q16	21.71	21.62	21.64	23.00	
		MID	Q16	21.44	21.85	21.64	23.00	
		HIGH	Q16	21.89	21.59	21.53	23.00	
	15	LOW	Q16	21.66	21.50	21.90	23.00	
	3	1	LOW	64QAM	21.45	21.68	21.62	23.00
			MID	64QAM	21.80	21.42	21.81	23.00
HIGH			64QAM	21.43	21.77	21.43	23.00	
8		LOW	64QAM	20.91	20.83	20.64	22.00	
		MID	64QAM	20.69	20.80	20.62	22.00	
		HIGH	64QAM	20.69	20.74	20.81	22.00	
15		LOW	64QAM	20.47	20.76	20.59	22.00	

LTE B5-Full Power -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	24.01	23.77	23.74	25.00	
		MID	QPSK	23.91	23.82	23.82	25.00	
		HIGH	QPSK	23.60	23.65	23.71	25.00	
	12	LOW	QPSK	22.54	22.57	22.95	24.00	
		MID	QPSK	22.62	22.74	22.64	24.00	
		HIGH	QPSK	22.55	22.86	22.71	24.00	
	25	LOW	QPSK	22.42	22.62	22.59	24.00	
	5	1	LOW	Q16	22.85	22.59	22.74	24.00
			MID	Q16	22.62	22.74	22.70	24.00
HIGH			Q16	22.83	22.85	22.72	24.00	
12		LOW	Q16	21.84	21.58	21.54	23.00	
		MID	Q16	21.51	21.93	21.48	23.00	
		HIGH	Q16	21.70	21.84	21.65	23.00	
25		LOW	Q16	21.59	21.43	21.84	23.00	
5		1	LOW	64QAM	21.47	21.60	21.48	23.00
			MID	64QAM	21.88	21.53	21.60	23.00
	HIGH		64QAM	21.32	21.68	21.60	23.00	
	12	LOW	64QAM	20.80	20.81	20.61	22.00	
		MID	64QAM	20.57	20.89	20.72	22.00	
		HIGH	64QAM	20.41	20.97	20.97	22.00	
	25	LOW	64QAM	20.66	20.97	20.73	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.90	23.75	23.84	25.00
MID			QPSK	23.77	23.74	23.88	25.00	
HIGH			QPSK	23.54	23.66	23.65	25.00	
25		LOW	QPSK	22.67	22.66	22.82	24.00	
		MID	QPSK	22.61	22.72	22.65	24.00	
		HIGH	QPSK	22.58	22.74	22.72	24.00	
50		LOW	QPSK	22.54	22.56	22.45	24.00	
10		1	LOW	Q16	22.87	22.72	22.75	24.00
			MID	Q16	22.70	22.63	22.75	24.00
	HIGH		Q16	22.72	22.70	22.76	24.00	
	25	LOW	Q16	21.73	21.68	21.60	23.00	
		MID	Q16	21.53	21.81	21.53	23.00	
		HIGH	Q16	21.84	21.70	21.51	23.00	
	50	LOW	Q16	21.63	21.49	21.86	23.00	
	10	1	LOW	64QAM	21.56	21.61	21.63	23.00
			MID	64QAM	21.78	21.49	21.68	23.00
HIGH			64QAM	21.45	21.65	21.47	23.00	
25		LOW	64QAM	20.88	20.74	20.59	22.00	
		MID	64QAM	20.71	20.75	20.62	22.00	
		HIGH	64QAM	20.55	20.88	20.93	22.00	
50		LOW	64QAM	20.56	20.83	20.72	22.00	

LTE B5-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	24.03	23.66	23.89	25.00	
		MID	QPSK	23.83	23.85	24.00	25.00	
		HIGH	QPSK	23.55	23.63	23.77	25.00	
	3	LOW	QPSK	24.05	23.62	23.95	25.00	
		MID	QPSK	23.87	23.67	23.88	25.00	
		HIGH	QPSK	23.50	23.78	23.51	25.00	
	6	LOW	QPSK	22.59	22.55	22.46	24.00	
	1.4	1	LOW	Q16	22.88	22.75	22.74	24.00
			MID	Q16	22.78	22.69	22.63	24.00
HIGH			Q16	22.76	22.67	22.71	24.00	
3		LOW	Q16	22.82	22.57	22.85	24.00	
		MID	Q16	22.79	22.75	22.73	24.00	
		HIGH	Q16	22.74	22.83	22.65	24.00	
6		LOW	Q16	21.68	21.74	21.66	23.00	
1.4		1	LOW	64QAM	21.63	21.71	21.58	23.00
			MID	64QAM	21.85	21.50	21.79	23.00
	HIGH		64QAM	21.52	21.53	21.55	23.00	
	3	LOW	64QAM	21.63	21.56	21.62	23.00	
		MID	64QAM	21.69	21.64	21.59	23.00	
		HIGH	64QAM	21.55	21.58	21.59	23.00	
	6	LOW	64QAM	20.74	20.87	20.69	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	23.88	23.89	23.79	25.00
MID			QPSK	23.74	23.82	23.95	25.00	
HIGH			QPSK	23.55	23.70	23.59	25.00	
8		LOW	QPSK	22.82	22.59	22.97	24.00	
		MID	QPSK	22.58	22.64	22.56	24.00	
		HIGH	QPSK	22.59	22.61	22.74	24.00	
15		LOW	QPSK	22.42	22.61	22.30	24.00	
3		1	LOW	Q16	22.99	22.65	22.88	24.00
			MID	Q16	22.83	22.62	22.87	24.00
	HIGH		Q16	22.75	22.60	22.69	24.00	
	8	LOW	Q16	21.71	21.62	21.64	23.00	
		MID	Q16	21.44	21.85	21.64	23.00	
		HIGH	Q16	21.89	21.59	21.53	23.00	
	15	LOW	Q16	21.66	21.50	21.90	23.00	
	3	1	LOW	64QAM	21.45	21.68	21.62	23.00
			MID	64QAM	21.80	21.42	21.81	23.00
HIGH			64QAM	21.43	21.77	21.43	23.00	
8		LOW	64QAM	20.91	20.83	20.64	22.00	
		MID	64QAM	20.69	20.80	20.62	22.00	
		HIGH	64QAM	20.69	20.74	20.81	22.00	
15		LOW	64QAM	20.47	20.76	20.59	22.00	

LTE B5-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	24.01	23.77	23.74	25.00	
		MID	QPSK	23.91	23.82	23.82	25.00	
		HIGH	QPSK	23.60	23.65	23.71	25.00	
	12	LOW	QPSK	22.54	22.57	22.95	24.00	
		MID	QPSK	22.62	22.74	22.64	24.00	
		HIGH	QPSK	22.55	22.86	22.71	24.00	
	25	LOW	QPSK	22.42	22.62	22.59	24.00	
	5	1	LOW	Q16	22.85	22.59	22.74	24.00
			MID	Q16	22.62	22.74	22.70	24.00
HIGH			Q16	22.83	22.85	22.72	24.00	
12		LOW	Q16	21.84	21.58	21.54	23.00	
		MID	Q16	21.51	21.93	21.48	23.00	
		HIGH	Q16	21.70	21.84	21.65	23.00	
25		LOW	Q16	21.59	21.43	21.84	23.00	
5		1	LOW	64QAM	21.47	21.60	21.48	23.00
			MID	64QAM	21.88	21.53	21.60	23.00
	HIGH		64QAM	21.32	21.68	21.60	23.00	
	12	LOW	64QAM	20.80	20.81	20.61	22.00	
		MID	64QAM	20.57	20.89	20.72	22.00	
		HIGH	64QAM	20.41	20.97	20.97	22.00	
	25	LOW	64QAM	20.66	20.97	20.73	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	23.90	23.75	23.84	25.00
MID			QPSK	23.77	23.74	23.88	25.00	
HIGH			QPSK	23.54	23.66	23.65	25.00	
25		LOW	QPSK	22.67	22.66	22.82	24.00	
		MID	QPSK	22.61	22.72	22.65	24.00	
		HIGH	QPSK	22.58	22.74	22.72	24.00	
50		LOW	QPSK	22.54	22.56	22.45	24.00	
10		1	LOW	Q16	22.87	22.72	22.75	24.00
			MID	Q16	22.70	22.63	22.75	24.00
	HIGH		Q16	22.72	22.70	22.76	24.00	
	25	LOW	Q16	21.73	21.68	21.60	23.00	
		MID	Q16	21.53	21.81	21.53	23.00	
		HIGH	Q16	21.84	21.70	21.51	23.00	
	50	LOW	Q16	21.63	21.49	21.86	23.00	
	10	1	LOW	64QAM	21.56	21.61	21.63	23.00
			MID	64QAM	21.78	21.49	21.68	23.00
HIGH			64QAM	21.45	21.65	21.47	23.00	
25		LOW	64QAM	20.88	20.74	20.59	22.00	
		MID	64QAM	20.71	20.75	20.62	22.00	
		HIGH	64QAM	20.55	20.88	20.93	22.00	
50		LOW	64QAM	20.56	20.83	20.72	22.00	

## 8.3.3 LTE Band5 Output Power(UL Inter CA)

LTE B5-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.60	21.64	21.37	23.00	
		MID	QPSK	21.60	21.29	21.55	23.00	
		HIGH	QPSK	21.31	21.55	21.47	23.00	
	3	LOW	QPSK	21.49	21.59	21.45	23.00	
		MID	QPSK	21.43	21.25	21.46	23.00	
		HIGH	QPSK	21.26	21.54	21.48	23.00	
	6	LOW	QPSK	20.67	20.54	20.37	22.00	
	1.4	1	LOW	Q16	20.58	20.74	20.41	22.00
			MID	Q16	20.65	20.48	20.36	22.00
HIGH			Q16	20.46	20.63	20.27	22.00	
3		LOW	Q16	20.56	20.64	20.57	22.00	
		MID	Q16	20.58	20.45	20.32	22.00	
		HIGH	Q16	20.37	20.45	20.21	22.00	
6		LOW	Q16	19.69	19.33	19.56	21.00	
1.4		1	LOW	64QAM	19.63	19.47	19.52	21.00
			MID	64QAM	19.42	19.45	19.42	21.00
	HIGH		64QAM	19.62	19.58	19.60	21.00	
	3	LOW	64QAM	19.76	19.38	19.43	21.00	
		MID	64QAM	19.31	19.49	19.42	21.00	
		HIGH	64QAM	19.45	19.69	19.63	21.00	
	6	LOW	64QAM	18.53	18.40	18.31	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	21.55	21.54	21.54	23.00
MID			QPSK	21.43	21.32	21.65	23.00	
HIGH			QPSK	21.50	21.37	21.52	23.00	
8		LOW	QPSK	20.40	20.49	20.56	22.00	
		MID	QPSK	20.75	20.75	20.70	22.00	
		HIGH	QPSK	20.51	20.51	20.75	22.00	
15		LOW	QPSK	20.57	20.42	20.51	22.00	
3		1	LOW	Q16	20.50	20.46	20.43	22.00
			MID	Q16	20.54	20.67	20.54	22.00
	HIGH		Q16	20.56	20.65	20.32	22.00	
	8	LOW	Q16	19.59	19.38	19.46	21.00	
		MID	Q16	19.64	19.56	19.64	21.00	
		HIGH	Q16	19.47	19.79	19.47	21.00	
	15	LOW	Q16	19.53	19.50	19.60	21.00	
	3	1	LOW	64QAM	19.65	19.47	19.49	21.00
			MID	64QAM	19.55	19.59	19.49	21.00
HIGH			64QAM	19.69	19.68	19.55	21.00	
8		LOW	64QAM	18.63	18.36	18.54	20.00	
		MID	64QAM	18.24	18.67	18.49	20.00	
		HIGH	64QAM	18.72	18.48	18.39	20.00	
15		LOW	64QAM	18.72	18.48	18.56	20.00	



LTE B5-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	21.56	21.63	21.50	23.00	
		MID	QPSK	21.58	21.49	21.44	23.00	
		HIGH	QPSK	21.32	21.44	21.45	23.00	
	12	LOW	QPSK	20.28	20.52	20.30	22.00	
		MID	QPSK	20.72	20.62	20.54	22.00	
		HIGH	QPSK	20.58	20.40	20.70	22.00	
	25	LOW	QPSK	20.75	20.71	20.33	22.00	
	5	1	LOW	Q16	20.42	20.63	20.43	22.00
			MID	Q16	20.58	20.44	20.43	22.00
HIGH			Q16	20.56	20.40	20.43	22.00	
12		LOW	Q16	19.47	19.27	19.44	21.00	
		MID	Q16	19.51	19.59	19.76	21.00	
		HIGH	Q16	19.55	19.60	19.44	21.00	
25		LOW	Q16	19.45	19.37	19.67	21.00	
5		1	LOW	64QAM	19.47	19.49	19.31	21.00
			MID	64QAM	19.28	19.62	19.38	21.00
	HIGH		64QAM	19.62	19.61	19.65	21.00	
	12	LOW	64QAM	18.56	18.38	18.53	20.00	
		MID	64QAM	18.39	18.54	18.40	20.00	
		HIGH	64QAM	18.55	18.47	18.54	20.00	
	25	LOW	64QAM	18.49	18.29	18.68	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	21.54	21.50	21.45	23.00
MID			QPSK	21.55	21.37	21.54	23.00	
HIGH			QPSK	21.41	21.51	21.55	23.00	
25		LOW	QPSK	20.37	20.38	20.45	22.00	
		MID	QPSK	20.60	20.63	20.64	22.00	
		HIGH	QPSK	20.55	20.42	20.61	22.00	
50		LOW	QPSK	20.62	20.57	20.41	22.00	
10		1	LOW	Q16	20.51	20.61	20.53	22.00
			MID	Q16	20.59	20.56	20.47	22.00
	HIGH		Q16	20.47	20.52	20.35	22.00	
	25	LOW	Q16	19.54	19.42	19.59	21.00	
		MID	Q16	19.50	19.58	19.63	21.00	
		HIGH	Q16	19.61	19.65	19.48	21.00	
	50	LOW	Q16	19.59	19.42	19.57	21.00	
	10	1	LOW	64QAM	19.61	19.40	19.39	21.00
			MID	64QAM	19.40	19.56	19.52	21.00
HIGH			64QAM	19.54	19.61	19.56	21.00	
25		LOW	64QAM	18.61	18.43	18.41	20.00	
		MID	64QAM	18.39	18.55	18.38	20.00	
		HIGH	64QAM	18.60	18.49	18.46	20.00	
50		LOW	64QAM	18.61	18.39	18.65	20.00	

LTE B5-DS12&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20407	20525	20643	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.60	21.64	21.37	23.00	
		MID	QPSK	21.60	21.29	21.55	23.00	
		HIGH	QPSK	21.31	21.55	21.47	23.00	
	3	LOW	QPSK	21.49	21.59	21.45	23.00	
		MID	QPSK	21.43	21.25	21.46	23.00	
		HIGH	QPSK	21.26	21.54	21.48	23.00	
	6	LOW	QPSK	20.67	20.54	20.37	22.00	
	1.4	1	LOW	Q16	20.58	20.74	20.41	22.00
			MID	Q16	20.65	20.48	20.36	22.00
HIGH			Q16	20.46	20.63	20.27	22.00	
3		LOW	Q16	20.56	20.64	20.57	22.00	
		MID	Q16	20.58	20.45	20.32	22.00	
		HIGH	Q16	20.37	20.45	20.21	22.00	
6		LOW	Q16	19.69	19.33	19.56	21.00	
1.4		1	LOW	64QAM	19.63	19.47	19.52	21.00
			MID	64QAM	19.42	19.45	19.42	21.00
	HIGH		64QAM	19.62	19.58	19.60	21.00	
	3	LOW	64QAM	19.76	19.38	19.43	21.00	
		MID	64QAM	19.31	19.49	19.42	21.00	
		HIGH	64QAM	19.45	19.69	19.63	21.00	
	6	LOW	64QAM	18.53	18.40	18.31	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20415	20525	20635	Tune-up power(dBm)
	3	1	LOW	QPSK	21.55	21.54	21.54	23.00
MID			QPSK	21.43	21.32	21.65	23.00	
HIGH			QPSK	21.50	21.37	21.52	23.00	
8		LOW	QPSK	20.40	20.49	20.56	22.00	
		MID	QPSK	20.75	20.75	20.70	22.00	
		HIGH	QPSK	20.51	20.51	20.75	22.00	
15		LOW	QPSK	20.57	20.42	20.51	22.00	
3		1	LOW	Q16	20.50	20.46	20.43	22.00
			MID	Q16	20.54	20.67	20.54	22.00
	HIGH		Q16	20.56	20.65	20.32	22.00	
	8	LOW	Q16	19.59	19.38	19.46	21.00	
		MID	Q16	19.64	19.56	19.64	21.00	
		HIGH	Q16	19.47	19.79	19.47	21.00	
	15	LOW	Q16	19.53	19.50	19.60	21.00	
	3	1	LOW	64QAM	19.65	19.47	19.49	21.00
			MID	64QAM	19.55	19.59	19.49	21.00
HIGH			64QAM	19.69	19.68	19.55	21.00	
8		LOW	64QAM	18.63	18.36	18.54	20.00	
		MID	64QAM	18.24	18.67	18.49	20.00	
		HIGH	64QAM	18.72	18.48	18.39	20.00	
15		LOW	64QAM	18.72	18.48	18.56	20.00	

LTE B5-DS12&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20425	20525	20625	Tune-up power(dBm)	
5	1	LOW	QPSK	21.56	21.63	21.50	23.00	
		MID	QPSK	21.58	21.49	21.44	23.00	
		HIGH	QPSK	21.32	21.44	21.45	23.00	
	12	LOW	QPSK	20.28	20.52	20.30	22.00	
		MID	QPSK	20.72	20.62	20.54	22.00	
		HIGH	QPSK	20.58	20.40	20.70	22.00	
	25	LOW	QPSK	20.75	20.71	20.33	22.00	
	5	1	LOW	Q16	20.42	20.63	20.43	22.00
			MID	Q16	20.58	20.44	20.43	22.00
HIGH			Q16	20.56	20.40	20.43	22.00	
12		LOW	Q16	19.47	19.27	19.44	21.00	
		MID	Q16	19.51	19.59	19.76	21.00	
		HIGH	Q16	19.55	19.60	19.44	21.00	
25		LOW	Q16	19.45	19.37	19.67	21.00	
5		1	LOW	64QAM	19.47	19.49	19.31	21.00
			MID	64QAM	19.28	19.62	19.38	21.00
	HIGH		64QAM	19.62	19.61	19.65	21.00	
	12	LOW	64QAM	18.56	18.38	18.53	20.00	
		MID	64QAM	18.39	18.54	18.40	20.00	
		HIGH	64QAM	18.55	18.47	18.54	20.00	
	25	LOW	64QAM	18.49	18.29	18.68	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20450	20525	20600	Tune-up power(dBm)
	10	1	LOW	QPSK	21.54	21.50	21.45	23.00
MID			QPSK	21.55	21.37	21.54	23.00	
HIGH			QPSK	21.41	21.51	21.55	23.00	
25		LOW	QPSK	20.37	20.38	20.45	22.00	
		MID	QPSK	20.60	20.63	20.64	22.00	
		HIGH	QPSK	20.55	20.42	20.61	22.00	
50		LOW	QPSK	20.62	20.57	20.41	22.00	
10		1	LOW	Q16	20.51	20.61	20.53	22.00
			MID	Q16	20.59	20.56	20.47	22.00
	HIGH		Q16	20.47	20.52	20.35	22.00	
	25	LOW	Q16	19.54	19.42	19.59	21.00	
		MID	Q16	19.50	19.58	19.63	21.00	
		HIGH	Q16	19.61	19.65	19.48	21.00	
	50	LOW	Q16	19.59	19.42	19.57	21.00	
	10	1	LOW	64QAM	19.61	19.40	19.39	21.00
			MID	64QAM	19.40	19.56	19.52	21.00
HIGH			64QAM	19.54	19.61	19.56	21.00	
25		LOW	64QAM	18.61	18.43	18.41	20.00	
		MID	64QAM	18.39	18.55	18.38	20.00	
		HIGH	64QAM	18.60	18.49	18.46	20.00	
50		LOW	64QAM	18.61	18.39	18.65	20.00	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.79	22.93	22.75	24.00	
		MID	QPSK	22.98	22.94	22.70	24.00	
		HIGH	QPSK	22.69	22.94	22.49	24.00	
	12	LOW	QPSK	21.85	21.72	21.68	23.00	
		MID	QPSK	22.01	21.82	21.92	23.00	
		HIGH	QPSK	21.84	21.99	21.87	23.00	
	25	LOW	QPSK	21.68	21.79	21.88	23.00	
	5	1	LOW	Q16	22.02	22.16	22.01	23.00
			MID	Q16	22.11	22.01	22.14	23.00
HIGH			Q16	22.08	22.08	21.87	23.00	
12		LOW	Q16	20.66	20.93	20.92	22.00	
		MID	Q16	20.81	20.77	20.94	22.00	
		HIGH	Q16	20.92	20.80	20.71	22.00	
25		LOW	Q16	20.92	20.86	20.76	22.00	
5		1	LOW	64QAM	20.76	21.19	20.64	22.00
			MID	64QAM	21.23	21.12	21.07	22.00
	HIGH		64QAM	21.11	21.12	20.71	22.00	
	12	LOW	64QAM	19.91	19.76	19.77	21.00	
		MID	64QAM	19.79	19.93	19.85	21.00	
		HIGH	64QAM	19.92	19.97	19.82	21.00	
	25	LOW	64QAM	19.91	19.77	19.82	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.74	22.84	22.66	24.00
MID			QPSK	22.72	22.97	22.72	24.00	
HIGH			QPSK	22.78	22.87	22.76	24.00	
25		LOW	QPSK	21.88	21.71	21.91	23.00	
		MID	QPSK	21.94	21.84	21.80	23.00	
		HIGH	QPSK	21.88	22.00	21.66	23.00	
50		LOW	QPSK	21.98	21.98	21.78	23.00	
10		1	LOW	Q16	21.89	22.02	22.05	23.00
			MID	Q16	22.01	22.14	21.89	23.00
	HIGH		Q16	22.10	22.15	21.94	23.00	
	25	LOW	Q16	20.80	20.76	20.92	22.00	
		MID	Q16	20.79	20.76	20.95	22.00	
		HIGH	Q16	20.92	20.86	20.64	22.00	
	50	LOW	Q16	20.74	20.89	20.82	22.00	
	10	1	LOW	64QAM	20.81	21.21	20.90	22.00
			MID	64QAM	21.07	21.06	21.22	22.00
HIGH			64QAM	21.07	21.21	20.54	22.00	
25		LOW	64QAM	19.93	20.00	19.79	21.00	
		MID	64QAM	19.83	19.75	19.85	21.00	
		HIGH	64QAM	19.85	19.84	19.74	21.00	
50		LOW	64QAM	19.69	19.98	19.90	21.00	

LTE B7-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.71	22.95	22.64	24.00	
		MID	QPSK	22.92	22.88	22.92	24.00	
		HIGH	QPSK	22.94	23.04	22.61	24.00	
	36	LOW	QPSK	21.80	21.80	21.83	23.00	
		MID	QPSK	21.72	21.76	21.89	23.00	
		HIGH	QPSK	21.98	21.96	21.83	23.00	
	75	LOW	QPSK	21.68	21.85	21.81	23.00	
	15	1	LOW	Q16	21.81	22.27	21.98	23.00
			MID	Q16	22.25	22.26	22.01	23.00
HIGH			Q16	22.26	22.16	21.90	23.00	
36		LOW	Q16	20.70	20.73	20.62	22.00	
		MID	Q16	20.85	20.88	20.80	22.00	
		HIGH	Q16	21.02	20.93	20.66	22.00	
75		LOW	Q16	20.69	20.93	20.90	22.00	
15		1	LOW	64QAM	20.71	21.06	20.66	22.00
			MID	64QAM	21.14	21.33	21.01	22.00
	HIGH		64QAM	21.30	21.24	20.68	22.00	
	36	LOW	64QAM	19.88	19.99	19.66	21.00	
		MID	64QAM	19.72	19.78	20.06	21.00	
		HIGH	64QAM	19.75	19.99	19.78	21.00	
	75	LOW	64QAM	19.74	19.80	19.77	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.74	22.83	22.75	24.00
MID			QPSK	22.86	22.95	22.79	24.00	
HIGH			QPSK	22.81	22.92	22.64	24.00	
50		LOW	QPSK	21.76	21.84	21.77	23.00	
		MID	QPSK	21.87	21.86	21.83	23.00	
		HIGH	QPSK	21.87	21.87	21.77	23.00	
100		LOW	QPSK	21.83	21.83	21.82	23.00	
20		1	LOW	Q16	21.95	22.15	21.91	23.00
			MID	Q16	22.11	22.15	22.00	23.00
	HIGH		Q16	22.16	22.22	21.79	23.00	
	50	LOW	Q16	20.75	20.80	20.77	22.00	
		MID	Q16	20.84	20.87	20.85	22.00	
		HIGH	Q16	20.88	20.89	20.78	22.00	
	100	LOW	Q16	20.83	20.83	20.81	22.00	
	20	1	LOW	64QAM	20.84	21.20	20.76	22.00
			MID	64QAM	21.15	21.20	21.15	22.00
HIGH			64QAM	21.18	21.26	20.64	22.00	
50		LOW	64QAM	19.82	19.91	19.75	21.00	
		MID	64QAM	19.74	19.80	19.92	21.00	
		HIGH	64QAM	19.80	19.84	19.70	21.00	
100		LOW	64QAM	19.80	19.91	19.79	21.00	

LTE B7-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	11.74	11.74	11.70	13.00	
		MID	QPSK	11.99	11.78	11.69	13.00	
		HIGH	QPSK	11.79	11.85	11.63	13.00	
	12	LOW	QPSK	11.86	11.96	11.90	13.00	
		MID	QPSK	11.95	12.01	12.12	13.00	
		HIGH	QPSK	11.87	12.10	11.96	13.00	
	25	LOW	QPSK	11.96	11.79	11.90	13.00	
	5	1	LOW	Q16	12.17	12.21	12.29	13.00
			MID	Q16	12.22	12.33	12.28	13.00
HIGH			Q16	12.29	12.09	12.08	13.00	
12		LOW	Q16	12.10	12.07	11.83	13.00	
		MID	Q16	11.99	12.21	11.99	13.00	
		HIGH	Q16	12.02	12.12	12.15	13.00	
25		LOW	Q16	11.98	11.99	11.91	13.00	
5		1	LOW	64QAM	12.46	12.34	12.21	13.00
			MID	64QAM	12.33	12.20	12.17	13.00
	HIGH		64QAM	12.27	12.30	12.12	13.00	
	12	LOW	64QAM	11.87	12.33	12.01	13.00	
		MID	64QAM	12.09	11.91	12.17	13.00	
		HIGH	64QAM	11.93	12.09	11.80	13.00	
	25	LOW	64QAM	12.09	11.81	11.93	13.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	11.95	11.78	11.74	13.00
MID			QPSK	11.96	12.07	11.88	13.00	
HIGH			QPSK	11.76	11.80	11.83	13.00	
25		LOW	QPSK	11.81	12.02	11.95	13.00	
		MID	QPSK	12.06	11.91	11.95	13.00	
		HIGH	QPSK	11.93	12.20	12.07	13.00	
50		LOW	QPSK	12.10	11.96	11.97	13.00	
10		1	LOW	Q16	12.39	12.13	12.02	13.00
			MID	Q16	12.39	12.34	12.28	13.00
	HIGH		Q16	12.06	12.26	11.95	13.00	
	25	LOW	Q16	12.00	12.21	11.87	13.00	
		MID	Q16	12.07	12.19	12.10	13.00	
		HIGH	Q16	12.14	12.02	11.89	13.00	
	50	LOW	Q16	12.16	11.96	11.80	13.00	
	10	1	LOW	64QAM	12.18	12.32	12.08	13.00
			MID	64QAM	12.12	12.05	12.28	13.00
HIGH			64QAM	12.26	12.27	11.89	13.00	
25		LOW	64QAM	12.15	12.36	11.96	13.00	
		MID	64QAM	12.31	11.92	12.13	13.00	
		HIGH	64QAM	12.07	11.81	11.71	13.00	
50		LOW	64QAM	12.07	11.86	11.66	13.00	

LTE B7-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	11.97	11.73	11.99	13.00	
		MID	QPSK	11.76	11.94	11.78	13.00	
		HIGH	QPSK	11.89	11.76	11.63	13.00	
	36	LOW	QPSK	11.88	11.96	12.02	13.00	
		MID	QPSK	12.02	11.89	11.92	13.00	
		HIGH	QPSK	12.06	12.18	12.02	13.00	
	75	LOW	QPSK	11.85	12.07	11.95	13.00	
	15	1	LOW	Q16	12.36	12.21	12.06	13.00
			MID	Q16	12.24	12.37	12.23	13.00
HIGH			Q16	12.17	12.02	12.01	13.00	
36		LOW	Q16	12.08	12.18	12.10	13.00	
		MID	Q16	12.09	12.06	11.89	13.00	
		HIGH	Q16	12.12	12.23	12.14	13.00	
75		LOW	Q16	12.11	12.14	11.83	13.00	
15		1	LOW	64QAM	12.20	12.24	12.27	13.00
			MID	64QAM	12.10	12.13	12.27	13.00
	HIGH		64QAM	12.23	12.21	11.97	13.00	
	36	LOW	64QAM	12.15	12.13	12.09	13.00	
		MID	64QAM	12.11	11.83	12.14	13.00	
		HIGH	64QAM	12.16	12.04	11.83	13.00	
	75	LOW	64QAM	12.12	12.04	11.93	13.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	11.83	11.83	11.84	13.00
MID			QPSK	11.91	11.93	11.83	13.00	
HIGH			QPSK	11.87	11.86	11.71	13.00	
50		LOW	QPSK	11.91	12.01	11.89	13.00	
		MID	QPSK	12.03	12.01	11.99	13.00	
		HIGH	QPSK	11.99	12.05	11.94	13.00	
100		LOW	QPSK	11.99	11.94	11.90	13.00	
20		1	LOW	Q16	12.28	12.20	12.16	13.00
			MID	Q16	12.36	12.28	12.30	13.00
	HIGH		Q16	12.17	12.17	12.05	13.00	
	50	LOW	Q16	12.01	12.07	11.97	13.00	
		MID	Q16	12.08	12.07	12.03	13.00	
		HIGH	Q16	12.08	12.09	12.00	13.00	
	100	LOW	Q16	12.08	12.01	11.92	13.00	
	20	1	LOW	64QAM	12.31	12.29	12.17	13.00
			MID	64QAM	12.23	12.18	12.25	13.00
HIGH			64QAM	12.17	12.16	12.00	13.00	
50		LOW	64QAM	12.00	12.22	12.06	13.00	
		MID	64QAM	12.17	11.92	12.09	13.00	
		HIGH	64QAM	12.05	11.96	11.85	13.00	
100		LOW	64QAM	12.08	11.91	11.79	13.00	

LTE B7-DSI4 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.19	20.37	20.22	21.50	
		MID	QPSK	20.36	20.45	20.22	21.50	
		HIGH	QPSK	20.33	20.31	20.10	21.50	
	12	LOW	QPSK	20.29	20.42	20.12	21.50	
		MID	QPSK	20.50	20.43	20.38	21.50	
		HIGH	QPSK	20.39	20.54	20.14	21.50	
	25	LOW	QPSK	20.28	20.43	20.12	21.50	
	5	1	LOW	Q16	20.57	20.52	20.47	21.50
			MID	Q16	20.58	20.66	20.60	21.50
HIGH			Q16	20.65	20.64	20.16	21.50	
12		LOW	Q16	20.15	20.34	20.13	21.50	
		MID	Q16	20.35	20.23	20.37	21.50	
		HIGH	Q16	20.50	20.28	20.17	21.50	
25		LOW	Q16	20.35	20.39	20.21	21.50	
5		1	LOW	64QAM	20.63	20.49	20.30	21.50
			MID	64QAM	20.71	20.64	20.50	21.50
	HIGH		64QAM	20.43	20.44	20.05	21.50	
	12	LOW	64QAM	19.95	19.79	19.49	21.00	
		MID	64QAM	19.99	20.03	19.50	21.00	
		HIGH	64QAM	19.67	19.87	19.64	21.00	
	25	LOW	64QAM	19.79	19.56	19.80	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.36	20.44	20.07	21.50
MID			QPSK	20.15	20.45	20.20	21.50	
HIGH			QPSK	20.34	20.20	20.22	21.50	
25		LOW	QPSK	20.15	20.36	20.11	21.50	
		MID	QPSK	20.42	20.16	20.21	21.50	
		HIGH	QPSK	20.36	20.44	20.06	21.50	
50		LOW	QPSK	20.45	20.15	20.13	21.50	
10		1	LOW	Q16	20.56	20.37	20.14	21.50
			MID	Q16	20.68	20.65	20.37	21.50
	HIGH		Q16	20.57	20.49	20.22	21.50	
	25	LOW	Q16	20.26	20.24	20.14	21.50	
		MID	Q16	20.14	20.27	20.36	21.50	
		HIGH	Q16	20.27	20.46	20.43	21.50	
	50	LOW	Q16	20.37	20.49	20.26	21.50	
	10	1	LOW	64QAM	20.49	20.41	20.27	21.50
			MID	64QAM	20.44	20.52	20.44	21.50
HIGH			64QAM	20.45	20.47	20.08	21.50	
25		LOW	64QAM	19.86	19.93	19.59	21.00	
		MID	64QAM	19.76	19.93	19.67	21.00	
		HIGH	64QAM	19.88	19.76	19.63	21.00	
50		LOW	64QAM	19.87	19.62	19.76	21.00	



LTE B7-DSI4 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.17	20.25	19.99	21.50	
		MID	QPSK	20.28	20.31	20.08	21.50	
		HIGH	QPSK	20.15	20.34	20.15	21.50	
	36	LOW	QPSK	20.10	20.32	20.09	21.50	
		MID	QPSK	20.38	20.14	20.11	21.50	
		HIGH	QPSK	20.30	20.20	20.25	21.50	
	75	LOW	QPSK	20.48	20.28	20.31	21.50	
	15	1	LOW	Q16	20.46	20.50	20.25	21.50
			MID	Q16	20.57	20.69	20.39	21.50
HIGH			Q16	20.66	20.59	20.43	21.50	
36		LOW	Q16	20.26	20.42	20.19	21.50	
		MID	Q16	20.28	20.41	20.11	21.50	
		HIGH	Q16	20.30	20.31	20.29	21.50	
75		LOW	Q16	20.33	20.37	20.36	21.50	
15		1	LOW	64QAM	20.68	20.39	20.34	21.50
			MID	64QAM	20.63	20.48	20.50	21.50
	HIGH		64QAM	20.56	20.42	20.16	21.50	
	36	LOW	64QAM	19.94	19.98	19.38	21.00	
		MID	64QAM	19.72	20.09	19.51	21.00	
		HIGH	64QAM	19.66	19.70	19.81	21.00	
	75	LOW	64QAM	19.65	19.57	19.67	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.27	20.25	20.17	21.50
MID			QPSK	20.28	20.34	20.19	21.50	
HIGH			QPSK	20.25	20.23	20.12	21.50	
50		LOW	QPSK	20.23	20.33	20.19	21.50	
		MID	QPSK	20.33	20.45	20.32	21.50	
		HIGH	QPSK	20.39	20.28	20.28	21.50	
100		LOW	QPSK	20.29	20.35	20.24	21.50	
20		1	LOW	Q16	20.58	20.56	20.29	21.50
			MID	Q16	20.65	20.58	20.47	21.50
	HIGH		Q16	20.58	20.55	20.20	21.50	
	50	LOW	Q16	20.24	20.25	20.17	21.50	
		MID	Q16	20.38	20.29	20.23	21.50	
		HIGH	Q16	20.35	20.40	20.20	21.50	
	100	LOW	Q16	20.29	20.31	20.20	21.50	
	20	1	LOW	64QAM	20.67	20.49	20.29	21.50
			MID	64QAM	20.47	20.54	20.48	21.50
HIGH			64QAM	20.55	20.59	20.09	21.50	
50		LOW	64QAM	19.90	19.90	19.53	21.00	
		MID	64QAM	19.87	19.98	19.63	21.00	
		HIGH	64QAM	19.78	19.72	19.72	21.00	
100		LOW	64QAM	19.77	19.70	19.68	21.00	

LTE B7-DSI5 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	17.80	17.71	17.70	19.00	
		MID	QPSK	17.66	17.87	17.67	19.00	
		HIGH	QPSK	17.78	17.74	17.59	19.00	
	12	LOW	QPSK	17.88	17.80	17.75	19.00	
		MID	QPSK	17.80	17.69	17.68	19.00	
		HIGH	QPSK	17.90	17.93	17.79	19.00	
	25	LOW	QPSK	17.90	17.74	17.70	19.00	
	5	1	LOW	Q16	17.90	18.10	17.96	19.00
			MID	Q16	17.99	18.21	18.10	19.00
HIGH			Q16	18.03	17.99	18.01	19.00	
12		LOW	Q16	17.90	17.85	17.72	19.00	
		MID	Q16	17.94	17.93	17.94	19.00	
		HIGH	Q16	17.87	18.03	17.85	19.00	
25		LOW	Q16	17.85	17.83	17.79	19.00	
5		1	LOW	64QAM	18.19	17.95	18.04	19.00
			MID	64QAM	18.26	18.24	18.10	19.00
	HIGH		64QAM	18.06	18.12	18.04	19.00	
	12	LOW	64QAM	17.57	17.75	17.79	19.00	
		MID	64QAM	17.77	17.86	17.78	19.00	
		HIGH	64QAM	17.97	17.85	17.96	19.00	
	25	LOW	64QAM	17.84	17.74	17.49	19.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	17.65	17.63	17.54	19.00
MID			QPSK	17.62	17.91	17.67	19.00	
HIGH			QPSK	17.72	17.81	17.65	19.00	
25		LOW	QPSK	17.80	17.83	17.66	19.00	
		MID	QPSK	17.84	17.94	17.82	19.00	
		HIGH	QPSK	17.91	17.70	17.75	19.00	
50		LOW	QPSK	17.70	17.80	17.69	19.00	
10		1	LOW	Q16	17.97	17.90	17.96	19.00
			MID	Q16	17.95	18.21	17.96	19.00
	HIGH		Q16	18.16	18.03	18.04	19.00	
	25	LOW	Q16	17.65	17.71	17.59	19.00	
		MID	Q16	17.95	17.74	17.69	19.00	
		HIGH	Q16	17.79	17.73	17.60	19.00	
	50	LOW	Q16	17.88	17.80	17.93	19.00	
	10	1	LOW	64QAM	18.14	17.98	17.89	19.00
			MID	64QAM	17.99	18.07	17.86	19.00
HIGH			64QAM	18.17	18.03	17.78	19.00	
25		LOW	64QAM	17.74	17.99	17.58	19.00	
		MID	64QAM	17.81	17.72	17.98	19.00	
		HIGH	64QAM	17.97	17.98	17.76	19.00	
50		LOW	64QAM	17.90	17.94	17.70	19.00	

LTE B7-DSI5 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	17.75	17.82	17.72	19.00	
		MID	QPSK	17.76	17.89	17.58	19.00	
		HIGH	QPSK	17.61	17.83	17.68	19.00	
	36	LOW	QPSK	17.86	17.74	17.83	19.00	
		MID	QPSK	17.95	17.88	17.82	19.00	
		HIGH	QPSK	17.71	17.73	17.69	19.00	
	75	LOW	QPSK	17.93	17.77	17.79	19.00	
	15	1	LOW	Q16	17.90	17.93	18.06	19.00
			MID	Q16	18.11	18.14	18.13	19.00
HIGH			Q16	17.89	17.89	17.86	19.00	
36		LOW	Q16	17.84	17.93	17.76	19.00	
		MID	Q16	17.78	17.73	17.75	19.00	
		HIGH	Q16	17.83	17.76	17.62	19.00	
75		LOW	Q16	17.71	17.78	17.74	19.00	
15		1	LOW	64QAM	18.15	18.11	17.78	19.00
			MID	64QAM	18.27	18.16	17.94	19.00
	HIGH		64QAM	18.18	18.26	18.02	19.00	
	36	LOW	64QAM	17.76	17.83	17.79	19.00	
		MID	64QAM	17.81	17.88	18.00	19.00	
		HIGH	64QAM	17.91	17.95	18.00	19.00	
	75	LOW	64QAM	18.06	17.93	17.58	19.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	17.68	17.76	17.66	19.00
MID			QPSK	17.71	17.80	17.69	19.00	
HIGH			QPSK	17.75	17.74	17.65	19.00	
50		LOW	QPSK	17.75	17.83	17.70	19.00	
		MID	QPSK	17.80	17.80	17.76	19.00	
		HIGH	QPSK	17.78	17.84	17.75	19.00	
100		LOW	QPSK	17.68	17.77	17.77	19.00	
20		1	LOW	Q16	18.03	18.04	17.95	19.00
			MID	Q16	18.07	18.15	18.04	19.00
	HIGH		Q16	18.03	18.00	17.99	19.00	
	50	LOW	Q16	17.76	17.83	17.70	19.00	
		MID	Q16	17.84	17.83	17.80	19.00	
		HIGH	Q16	17.84	17.88	17.75	19.00	
	100	LOW	Q16	17.80	17.77	17.78	19.00	
	20	1	LOW	64QAM	18.06	17.98	17.92	19.00
			MID	64QAM	18.13	18.14	17.97	19.00
HIGH			64QAM	18.09	18.15	17.92	19.00	
50		LOW	64QAM	17.63	17.84	17.67	19.00	
		MID	64QAM	17.75	17.75	17.87	19.00	
		HIGH	64QAM	17.89	17.95	17.88	19.00	
100		LOW	64QAM	17.92	17.85	17.64	19.00	

LTE B7-DSI8&9&10 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	13.18	13.46	13.42	14.50	
		MID	QPSK	13.57	13.46	13.50	14.50	
		HIGH	QPSK	13.47	13.31	13.36	14.50	
	12	LOW	QPSK	13.57	13.51	13.39	14.50	
		MID	QPSK	13.40	13.64	13.32	14.50	
		HIGH	QPSK	13.60	13.47	13.50	14.50	
	25	LOW	QPSK	13.56	13.45	13.40	14.50	
	5	1	LOW	Q16	13.56	13.56	13.71	14.50
			MID	Q16	13.77	13.79	14.01	14.50
HIGH			Q16	13.59	13.76	13.50	14.50	
12		LOW	Q16	13.59	13.44	13.48	14.50	
		MID	Q16	13.43	13.62	13.40	14.50	
		HIGH	Q16	13.65	13.51	13.34	14.50	
25		LOW	Q16	13.43	13.42	13.28	14.50	
5		1	LOW	64QAM	13.95	13.45	13.85	14.50
			MID	64QAM	13.78	13.66	14.01	14.50
	HIGH		64QAM	13.54	13.88	13.72	14.50	
	12	LOW	64QAM	13.24	13.52	13.49	14.50	
		MID	64QAM	13.57	13.38	13.64	14.50	
		HIGH	64QAM	13.41	13.69	13.54	14.50	
	25	LOW	64QAM	13.70	13.57	13.29	14.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	13.43	13.28	13.48	14.50
MID			QPSK	13.34	13.38	13.52	14.50	
HIGH			QPSK	13.58	13.46	13.16	14.50	
25		LOW	QPSK	13.32	13.56	13.47	14.50	
		MID	QPSK	13.37	13.53	13.56	14.50	
		HIGH	QPSK	13.40	13.70	13.36	14.50	
50		LOW	QPSK	13.54	13.56	13.27	14.50	
10		1	LOW	Q16	13.70	13.83	13.76	14.50
			MID	Q16	13.59	13.86	13.89	14.50
	HIGH		Q16	13.57	13.85	13.65	14.50	
	25	LOW	Q16	13.39	13.70	13.55	14.50	
		MID	Q16	13.64	13.40	13.41	14.50	
		HIGH	Q16	13.66	13.54	13.41	14.50	
	50	LOW	Q16	13.50	13.36	13.38	14.50	
	10	1	LOW	64QAM	13.82	13.59	13.63	14.50
			MID	64QAM	13.55	13.71	13.83	14.50
HIGH			64QAM	13.70	13.79	13.52	14.50	
25		LOW	64QAM	13.24	13.77	13.38	14.50	
		MID	64QAM	13.51	13.40	13.44	14.50	
		HIGH	64QAM	13.55	13.59	13.27	14.50	
50		LOW	64QAM	13.56	13.41	13.25	14.50	

LTE B7-DSI8&9&10 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	13.29	13.40	13.41	14.50	
		MID	QPSK	13.40	13.47	13.53	14.50	
		HIGH	QPSK	13.56	13.26	13.22	14.50	
	36	LOW	QPSK	13.41	13.61	13.32	14.50	
		MID	QPSK	13.43	13.42	13.49	14.50	
		HIGH	QPSK	13.46	13.70	13.46	14.50	
	75	LOW	QPSK	13.61	13.53	13.48	14.50	
	15	1	LOW	Q16	13.78	13.73	13.81	14.50
			MID	Q16	13.69	13.65	13.86	14.50
HIGH			Q16	13.60	13.71	13.73	14.50	
36		LOW	Q16	13.54	13.68	13.48	14.50	
		MID	Q16	13.52	13.41	13.51	14.50	
		HIGH	Q16	13.56	13.59	13.37	14.50	
75		LOW	Q16	13.39	13.60	13.35	14.50	
15		1	LOW	64QAM	13.67	13.44	13.69	14.50
			MID	64QAM	13.73	13.70	13.94	14.50
	HIGH		64QAM	13.50	13.80	13.49	14.50	
	36	LOW	64QAM	13.46	13.70	13.41	14.50	
		MID	64QAM	13.49	13.65	13.63	14.50	
		HIGH	64QAM	13.57	13.67	13.26	14.50	
	75	LOW	64QAM	13.68	13.48	13.40	14.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	13.32	13.41	13.37	14.50
MID			QPSK	13.42	13.49	13.39	14.50	
HIGH			QPSK	13.43	13.38	13.30	14.50	
50		LOW	QPSK	13.47	13.49	13.45	14.50	
		MID	QPSK	13.51	13.49	13.46	14.50	
		HIGH	QPSK	13.51	13.55	13.45	14.50	
100		LOW	QPSK	13.41	13.48	13.37	14.50	
20		1	LOW	Q16	13.70	13.70	13.75	14.50
			MID	Q16	13.73	13.77	13.89	14.50
	HIGH		Q16	13.70	13.71	13.62	14.50	
	50	LOW	Q16	13.47	13.58	13.47	14.50	
		MID	Q16	13.52	13.51	13.51	14.50	
		HIGH	Q16	13.52	13.56	13.47	14.50	
	100	LOW	Q16	13.53	13.51	13.42	14.50	
	20	1	LOW	64QAM	13.82	13.59	13.77	14.50
			MID	64QAM	13.63	13.64	13.94	14.50
HIGH			64QAM	13.61	13.85	13.59	14.50	
50		LOW	64QAM	13.37	13.66	13.37	14.50	
		MID	64QAM	13.49	13.51	13.49	14.50	
		HIGH	64QAM	13.46	13.69	13.41	14.50	
100		LOW	64QAM	13.59	13.53	13.35	14.50	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	23.03	22.82	23.19	24.00	
		MID	QPSK	23.14	23.17	23.07	24.00	
		HIGH	QPSK	22.75	22.83	22.61	24.00	
	12	LOW	QPSK	22.00	21.78	21.92	23.00	
		MID	QPSK	22.13	21.86	21.73	23.00	
		HIGH	QPSK	21.86	21.84	21.68	23.00	
	25	LOW	QPSK	21.90	21.75	22.14	23.00	
	5	1	LOW	Q16	22.05	21.95	21.74	23.00
			MID	Q16	21.78	21.97	21.79	23.00
HIGH			Q16	21.80	21.75	22.03	23.00	
12		LOW	Q16	20.58	20.70	20.94	22.00	
		MID	Q16	20.87	20.57	21.02	22.00	
		HIGH	Q16	20.88	20.69	20.67	22.00	
25		LOW	Q16	20.85	20.98	20.60	22.00	
5		1	LOW	64QAM	20.95	20.68	20.61	22.00
			MID	64QAM	20.78	20.54	20.77	22.00
	HIGH		64QAM	20.52	20.71	21.02	22.00	
	12	LOW	64QAM	19.98	19.69	19.74	21.00	
		MID	64QAM	20.02	19.60	19.64	21.00	
		HIGH	64QAM	19.93	19.86	19.49	21.00	
	25	LOW	64QAM	19.66	19.78	19.69	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	23.06	22.80	23.21	24.00
MID			QPSK	23.26	23.03	23.03	24.00	
HIGH			QPSK	22.82	22.63	22.80	24.00	
25		LOW	QPSK	21.97	21.82	21.94	23.00	
		MID	QPSK	21.86	21.89	21.78	23.00	
		HIGH	QPSK	21.96	21.86	21.68	23.00	
50		LOW	QPSK	21.85	21.86	22.01	23.00	
10		1	LOW	Q16	21.98	21.77	21.54	23.00
			MID	Q16	21.69	21.94	21.74	23.00
	HIGH		Q16	21.73	21.91	22.15	23.00	
	25	LOW	Q16	20.72	20.72	20.97	22.00	
		MID	Q16	20.85	20.71	21.00	22.00	
		HIGH	Q16	20.93	20.69	20.78	22.00	
	50	LOW	Q16	20.81	20.72	20.57	22.00	
	10	1	LOW	64QAM	20.81	20.66	20.62	22.00
			MID	64QAM	20.83	20.51	20.88	22.00
HIGH			64QAM	20.49	20.51	20.82	22.00	
25		LOW	64QAM	19.96	19.79	19.53	21.00	
		MID	64QAM	20.01	19.75	19.87	21.00	
		HIGH	64QAM	19.75	19.80	19.55	21.00	
50		LOW	64QAM	19.59	19.85	19.60	21.00	

LTE B7-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.82	22.94	23.13	24.00	
		MID	QPSK	23.27	23.00	22.90	24.00	
		HIGH	QPSK	22.80	22.90	22.69	24.00	
	36	LOW	QPSK	21.83	21.98	22.00	23.00	
		MID	QPSK	22.00	21.88	21.74	23.00	
		HIGH	QPSK	21.85	21.92	21.57	23.00	
	75	LOW	QPSK	21.66	21.73	22.03	23.00	
	15	1	LOW	Q16	21.98	21.73	21.77	23.00
			MID	Q16	21.82	22.01	21.74	23.00
HIGH			Q16	21.56	21.76	22.09	23.00	
36		LOW	Q16	20.83	20.77	21.06	22.00	
		MID	Q16	20.97	20.68	20.76	22.00	
		HIGH	Q16	21.09	20.64	20.69	22.00	
75		LOW	Q16	20.68	20.72	20.53	22.00	
15		1	LOW	64QAM	21.10	20.75	20.63	22.00
			MID	64QAM	20.72	20.73	20.83	22.00
	HIGH		64QAM	20.66	20.46	20.99	22.00	
	36	LOW	64QAM	19.89	19.87	19.64	21.00	
		MID	64QAM	20.12	19.64	19.81	21.00	
		HIGH	64QAM	19.86	19.87	19.45	21.00	
	75	LOW	64QAM	19.77	19.80	19.73	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.95	22.92	23.07	24.00
MID			QPSK	23.17	23.03	22.94	24.00	
HIGH			QPSK	22.87	22.78	22.67	24.00	
50		LOW	QPSK	21.97	21.84	21.91	23.00	
		MID	QPSK	21.99	21.97	21.77	23.00	
		HIGH	QPSK	21.94	21.92	21.64	23.00	
100		LOW	QPSK	21.81	21.81	22.00	23.00	
20		1	LOW	Q16	21.95	21.83	21.65	23.00
			MID	Q16	21.72	21.87	21.79	23.00
	HIGH		Q16	21.70	21.85	22.03	23.00	
	50	LOW	Q16	20.68	20.78	20.93	22.00	
		MID	Q16	20.94	20.71	20.90	22.00	
		HIGH	Q16	20.98	20.68	20.70	22.00	
	100	LOW	Q16	20.82	20.85	20.59	22.00	
	20	1	LOW	64QAM	20.95	20.76	20.64	22.00
			MID	64QAM	20.77	20.59	20.81	22.00
HIGH			64QAM	20.61	20.58	20.91	22.00	
50		LOW	64QAM	19.87	19.78	19.61	21.00	
		MID	64QAM	19.98	19.61	19.78	21.00	
		HIGH	64QAM	19.83	19.94	19.58	21.00	
100		LOW	64QAM	19.66	19.89	19.73	21.00	

LTE B7-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	9.80	9.61	9.46	10.50	
		MID	QPSK	10.03	9.99	9.92	10.50	
		HIGH	QPSK	9.38	9.78	9.69	10.50	
	12	LOW	QPSK	9.64	9.51	9.56	10.50	
		MID	QPSK	9.72	9.50	9.86	10.50	
		HIGH	QPSK	9.51	9.51	9.68	10.50	
	25	LOW	QPSK	9.65	9.49	9.53	10.50	
	5	1	LOW	Q16	9.62	9.53	9.60	10.50
			MID	Q16	9.70	9.86	9.52	10.50
HIGH			Q16	9.77	9.60	9.61	10.50	
12		LOW	Q16	9.57	9.48	9.62	10.50	
		MID	Q16	9.43	9.72	9.62	10.50	
		HIGH	Q16	9.59	9.49	9.33	10.50	
25		LOW	Q16	9.63	9.50	9.65	10.50	
5		1	LOW	64QAM	9.71	9.60	9.47	10.50
			MID	64QAM	9.64	9.32	9.73	10.50
	HIGH		64QAM	9.67	9.48	9.76	10.50	
	12	LOW	64QAM	9.55	9.40	9.60	10.50	
		MID	64QAM	9.53	9.60	9.56	10.50	
		HIGH	64QAM	9.50	9.63	9.25	10.50	
	25	LOW	64QAM	9.46	9.34	9.54	10.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	9.94	9.59	9.64	10.50
MID			QPSK	9.93	9.95	10.05	10.50	
HIGH			QPSK	9.62	9.61	9.75	10.50	
25		LOW	QPSK	9.72	9.55	9.58	10.50	
		MID	QPSK	9.92	9.50	9.87	10.50	
		HIGH	QPSK	9.55	9.62	9.66	10.50	
50		LOW	QPSK	9.51	9.59	9.44	10.50	
10		1	LOW	Q16	9.86	9.57	9.44	10.50
			MID	Q16	9.56	9.66	9.52	10.50
	HIGH		Q16	9.59	9.71	9.68	10.50	
	25	LOW	Q16	9.57	9.43	9.73	10.50	
		MID	Q16	9.42	9.47	9.61	10.50	
		HIGH	Q16	9.46	9.66	9.39	10.50	
	50	LOW	Q16	9.60	9.52	9.72	10.50	
	10	1	LOW	64QAM	9.84	9.47	9.58	10.50
			MID	64QAM	9.84	9.45	9.88	10.50
HIGH			64QAM	9.62	9.46	9.90	10.50	
25		LOW	64QAM	9.26	9.43	9.67	10.50	
		MID	64QAM	9.52	9.60	9.63	10.50	
		HIGH	64QAM	9.60	9.67	9.38	10.50	
50		LOW	64QAM	9.61	9.27	9.55	10.50	



LTE B7-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	9.98	9.64	9.64	10.50	
		MID	QPSK	10.12	10.08	9.91	10.50	
		HIGH	QPSK	9.47	9.58	9.76	10.50	
	36	LOW	QPSK	9.69	9.65	9.73	10.50	
		MID	QPSK	9.86	9.39	9.61	10.50	
		HIGH	QPSK	9.39	9.39	9.76	10.50	
	75	LOW	QPSK	9.50	9.48	9.70	10.50	
	15	1	LOW	Q16	9.71	9.55	9.49	10.50
			MID	Q16	9.78	9.68	9.71	10.50
HIGH			Q16	9.72	9.57	9.73	10.50	
36		LOW	Q16	9.73	9.54	9.56	10.50	
		MID	Q16	9.55	9.45	9.65	10.50	
		HIGH	Q16	9.52	9.45	9.39	10.50	
75		LOW	Q16	9.65	9.58	9.61	10.50	
15		1	LOW	64QAM	9.90	9.63	9.59	10.50
			MID	64QAM	9.77	9.48	9.87	10.50
	HIGH		64QAM	9.68	9.47	9.67	10.50	
	36	LOW	64QAM	9.27	9.38	9.64	10.50	
		MID	64QAM	9.39	9.52	9.49	10.50	
		HIGH	64QAM	9.46	9.53	9.27	10.50	
	75	LOW	64QAM	9.65	9.27	9.50	10.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	9.84	9.73	9.60	10.50
MID			QPSK	10.05	9.96	10.02	10.50	
HIGH			QPSK	9.52	9.64	9.79	10.50	
50		LOW	QPSK	9.70	9.63	9.71	10.50	
		MID	QPSK	9.81	9.46	9.73	10.50	
		HIGH	QPSK	9.54	9.52	9.64	10.50	
100		LOW	QPSK	9.65	9.59	9.57	10.50	
20		1	LOW	Q16	9.74	9.60	9.45	10.50
			MID	Q16	9.70	9.73	9.61	10.50
	HIGH		Q16	9.64	9.69	9.69	10.50	
	50	LOW	Q16	9.63	9.54	9.68	10.50	
		MID	Q16	9.47	9.59	9.62	10.50	
		HIGH	Q16	9.53	9.58	9.44	10.50	
	100	LOW	Q16	9.57	9.64	9.70	10.50	
	20	1	LOW	64QAM	9.77	9.60	9.45	10.50
			MID	64QAM	9.69	9.43	9.76	10.50
HIGH			64QAM	9.77	9.49	9.78	10.50	
50		LOW	64QAM	9.40	9.48	9.61	10.50	
		MID	64QAM	9.50	9.46	9.59	10.50	
		HIGH	64QAM	9.57	9.52	9.34	10.50	
100		LOW	64QAM	9.60	9.41	9.48	10.50	

LTE B7-DSI4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.91	20.88	21.00	21.50	
		MID	QPSK	21.29	21.16	21.31	21.50	
		HIGH	QPSK	20.83	20.76	20.94	21.50	
	12	LOW	QPSK	21.04	20.79	20.71	21.50	
		MID	QPSK	20.80	20.94	21.15	21.50	
		HIGH	QPSK	20.78	20.96	20.86	21.50	
	25	LOW	QPSK	20.92	20.76	20.80	21.50	
	5	1	LOW	Q16	21.12	20.82	21.15	21.50
			MID	Q16	20.87	21.10	20.95	21.50
HIGH			Q16	20.86	20.68	20.85	21.50	
12		LOW	Q16	20.40	20.24	20.48	21.50	
		MID	Q16	20.39	20.40	20.37	21.50	
		HIGH	Q16	20.46	20.62	20.43	21.50	
25		LOW	Q16	20.36	20.46	20.55	21.50	
5		1	LOW	64QAM	20.28	20.21	20.17	21.50
			MID	64QAM	20.18	20.41	20.25	21.50
	HIGH		64QAM	20.33	19.97	20.23	21.50	
	12	LOW	64QAM	19.96	19.67	19.97	21.00	
		MID	64QAM	19.64	20.04	19.80	21.00	
		HIGH	64QAM	20.03	19.69	19.77	21.00	
	25	LOW	64QAM	19.59	19.77	20.10	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.85	20.98	20.88	21.50
MID			QPSK	21.02	21.12	21.15	21.50	
HIGH			QPSK	20.86	20.93	20.97	21.50	
25		LOW	QPSK	20.76	20.90	20.85	21.50	
		MID	QPSK	20.88	21.10	21.00	21.50	
		HIGH	QPSK	20.69	21.04	20.95	21.50	
50		LOW	QPSK	21.01	20.87	20.92	21.50	
10		1	LOW	Q16	21.15	20.99	20.96	21.50
			MID	Q16	21.04	20.96	21.02	21.50
	HIGH		Q16	20.86	21.06	21.01	21.50	
	25	LOW	Q16	20.15	20.42	20.28	21.50	
		MID	Q16	20.49	20.37	20.40	21.50	
		HIGH	Q16	20.27	20.68	20.41	21.50	
	50	LOW	Q16	20.39	20.58	20.37	21.50	
	10	1	LOW	64QAM	20.17	20.16	20.19	21.50
			MID	64QAM	20.00	20.43	20.40	21.50
HIGH			64QAM	20.55	19.97	20.38	21.50	
25		LOW	64QAM	19.82	19.73	19.85	21.00	
		MID	64QAM	19.71	19.91	19.79	21.00	
		HIGH	64QAM	20.09	19.60	20.00	21.00	
50		LOW	64QAM	19.63	19.86	20.02	21.00	

LTE B7-DSI4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.89	20.96	20.81	21.50	
		MID	QPSK	21.23	21.23	21.37	21.50	
		HIGH	QPSK	20.81	20.93	20.75	21.50	
	36	LOW	QPSK	20.80	21.01	20.71	21.50	
		MID	QPSK	20.70	21.06	21.14	21.50	
		HIGH	QPSK	21.04	21.20	21.05	21.50	
	75	LOW	QPSK	20.92	20.99	20.86	21.50	
	15	1	LOW	Q16	21.22	20.90	21.16	21.50
			MID	Q16	20.98	21.15	20.83	21.50
HIGH			Q16	20.85	20.83	20.95	21.50	
36		LOW	Q16	20.21	20.24	20.49	21.50	
		MID	Q16	20.33	20.44	20.57	21.50	
		HIGH	Q16	20.26	20.44	20.43	21.50	
75		LOW	Q16	20.53	20.40	20.34	21.50	
15		1	LOW	64QAM	20.41	20.11	20.04	21.50
			MID	64QAM	20.00	20.11	20.26	21.50
	HIGH		64QAM	20.23	20.09	20.19	21.50	
	36	LOW	64QAM	19.77	19.77	19.71	21.00	
		MID	64QAM	19.64	19.95	20.00	21.00	
		HIGH	64QAM	19.90	19.60	19.82	21.00	
	75	LOW	64QAM	19.71	19.64	19.90	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.83	20.96	20.83	21.50
MID			QPSK	21.20	21.14	21.23	21.50	
HIGH			QPSK	20.80	20.85	20.89	21.50	
50		LOW	QPSK	20.81	20.92	20.76	21.50	
		MID	QPSK	20.74	20.96	21.07	21.50	
		HIGH	QPSK	20.89	21.03	20.94	21.50	
100		LOW	QPSK	20.99	20.94	20.89	21.50	
20		1	LOW	Q16	21.14	20.97	21.09	21.50
			MID	Q16	20.89	21.05	20.89	21.50
	HIGH		Q16	20.92	20.88	20.88	21.50	
	50	LOW	Q16	20.31	20.37	20.47	21.50	
		MID	Q16	20.41	20.40	20.47	21.50	
		HIGH	Q16	20.48	20.52	20.38	21.50	
	100	LOW	Q16	20.46	20.47	20.46	21.50	
	20	1	LOW	64QAM	20.30	20.23	20.12	21.50
			MID	64QAM	20.14	20.30	20.37	21.50
HIGH			64QAM	20.40	20.07	20.30	21.50	
50		LOW	64QAM	19.85	19.81	19.82	21.00	
		MID	64QAM	19.63	19.90	19.90	21.00	
		HIGH	64QAM	19.94	19.69	19.85	21.00	
100		LOW	64QAM	19.63	19.76	19.95	21.00	

LTE B7-DSi5 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	16.03	15.96	16.20	16.50	
		MID	QPSK	16.28	16.17	16.34	16.50	
		HIGH	QPSK	16.28	16.07	16.21	16.50	
	12	LOW	QPSK	15.91	15.93	16.34	16.50	
		MID	QPSK	16.16	16.01	15.75	16.50	
		HIGH	QPSK	16.15	16.22	15.96	16.50	
	25	LOW	QPSK	15.88	15.93	15.92	16.50	
	5	1	LOW	Q16	16.25	16.15	16.38	16.50
			MID	Q16	15.94	16.16	16.11	16.50
HIGH			Q16	16.07	16.16	16.48	16.50	
12		LOW	Q16	16.20	16.12	16.31	16.50	
		MID	Q16	15.74	16.02	16.08	16.50	
		HIGH	Q16	15.78	16.19	15.99	16.50	
25		LOW	Q16	15.98	15.75	15.82	16.50	
5		1	LOW	64QAM	16.17	15.91	15.83	16.50
			MID	64QAM	15.81	15.69	15.91	16.50
	HIGH		64QAM	16.06	15.83	15.61	16.50	
	12	LOW	64QAM	15.87	15.76	15.96	16.50	
		MID	64QAM	15.89	15.69	15.81	16.50	
		HIGH	64QAM	15.75	15.95	15.93	16.50	
	25	LOW	64QAM	15.69	16.14	15.82	16.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	15.92	15.99	16.23	16.50
MID			QPSK	16.47	16.34	16.38	16.50	
HIGH			QPSK	16.04	16.18	15.98	16.50	
25		LOW	QPSK	16.02	15.93	16.36	16.50	
		MID	QPSK	15.89	16.23	15.99	16.50	
		HIGH	QPSK	16.05	16.37	15.73	16.50	
50		LOW	QPSK	15.94	15.93	16.02	16.50	
10		1	LOW	Q16	16.16	16.37	16.24	16.50
			MID	Q16	16.21	16.16	16.04	16.50
	HIGH		Q16	16.14	16.22	16.20	16.50	
	25	LOW	Q16	16.13	16.14	16.05	16.50	
		MID	Q16	15.87	15.91	15.99	16.50	
		HIGH	Q16	15.97	16.08	15.91	16.50	
	50	LOW	Q16	15.88	15.83	15.96	16.50	
	10	1	LOW	64QAM	15.93	15.80	15.86	16.50
			MID	64QAM	15.92	15.63	15.71	16.50
HIGH			64QAM	15.87	15.96	15.59	16.50	
25		LOW	64QAM	16.08	15.82	15.79	16.50	
		MID	64QAM	15.94	15.56	15.82	16.50	
		HIGH	64QAM	15.92	15.82	15.78	16.50	
50		LOW	64QAM	15.76	15.92	15.82	16.50	

LTE B7-DSI5 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	16.08	16.16	16.10	16.50	
		MID	QPSK	16.29	16.07	16.25	16.50	
		HIGH	QPSK	16.27	16.05	16.08	16.50	
	36	LOW	QPSK	16.13	16.21	16.19	16.50	
		MID	QPSK	15.89	15.98	15.92	16.50	
		HIGH	QPSK	15.95	16.36	15.99	16.50	
	75	LOW	QPSK	15.77	16.13	16.00	16.50	
	15	1	LOW	Q16	15.99	16.11	16.28	16.50
			MID	Q16	16.00	16.14	16.27	16.50
HIGH			Q16	16.13	16.30	16.31	16.50	
36		LOW	Q16	16.16	16.01	16.17	16.50	
		MID	Q16	15.94	16.06	15.99	16.50	
		HIGH	Q16	15.76	16.22	15.83	16.50	
75		LOW	Q16	15.92	15.82	15.97	16.50	
15		1	LOW	64QAM	16.11	15.90	15.73	16.50
			MID	64QAM	15.91	15.65	15.82	16.50
	HIGH		64QAM	15.96	15.82	15.75	16.50	
	36	LOW	64QAM	16.03	15.86	15.78	16.50	
		MID	64QAM	15.83	15.61	15.74	16.50	
		HIGH	64QAM	15.88	15.78	15.78	16.50	
	75	LOW	64QAM	15.90	16.14	15.82	16.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	15.94	16.05	16.17	16.50
MID			QPSK	16.37	16.22	16.25	16.50	
HIGH			QPSK	16.16	16.03	16.13	16.50	
50		LOW	QPSK	16.00	16.06	16.24	16.50	
		MID	QPSK	16.03	16.09	15.86	16.50	
		HIGH	QPSK	16.06	16.24	15.88	16.50	
100		LOW	QPSK	15.86	16.00	15.93	16.50	
20		1	LOW	Q16	16.11	16.23	16.42	16.50
			MID	Q16	16.07	16.18	16.14	16.50
	HIGH		Q16	16.20	16.29	16.39	16.50	
	50	LOW	Q16	16.10	16.03	16.18	16.50	
		MID	Q16	15.88	15.91	16.04	16.50	
		HIGH	Q16	15.90	16.14	15.90	16.50	
	100	LOW	Q16	15.95	15.89	15.96	16.50	
	20	1	LOW	64QAM	16.08	15.89	15.81	16.50
			MID	64QAM	15.95	15.70	15.82	16.50
HIGH			64QAM	15.94	15.83	15.74	16.50	
50		LOW	64QAM	16.00	15.88	15.93	16.50	
		MID	64QAM	15.81	15.69	15.79	16.50	
		HIGH	64QAM	15.88	15.82	15.85	16.50	
100		LOW	64QAM	15.77	16.05	15.78	16.50	

LTE B7-DS18&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	11.79	11.47	11.46	12.00	
		MID	QPSK	11.67	11.88	11.72	12.00	
		HIGH	QPSK	11.63	11.72	11.56	12.00	
	12	LOW	QPSK	11.66	11.70	11.54	12.00	
		MID	QPSK	11.51	11.38	11.64	12.00	
		HIGH	QPSK	11.38	11.36	11.69	12.00	
	25	LOW	QPSK	11.46	11.65	11.83	12.00	
	5	1	LOW	Q16	11.61	11.59	11.71	12.00
			MID	Q16	11.80	11.41	11.62	12.00
HIGH			Q16	11.45	11.69	11.78	12.00	
12		LOW	Q16	11.70	11.70	11.73	12.00	
		MID	Q16	11.75	11.72	11.64	12.00	
		HIGH	Q16	11.80	11.83	11.54	12.00	
25		LOW	Q16	11.57	11.72	11.85	12.00	
5		1	LOW	64QAM	11.64	11.61	11.65	12.00
			MID	64QAM	11.70	11.57	11.41	12.00
	HIGH		64QAM	11.65	11.49	11.87	12.00	
	12	LOW	64QAM	11.65	11.71	11.52	12.00	
		MID	64QAM	11.44	11.49	11.41	12.00	
		HIGH	64QAM	11.55	11.71	11.90	12.00	
	25	LOW	64QAM	11.77	11.68	11.63	12.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	11.59	11.52	11.56	12.00
MID			QPSK	11.67	11.88	11.64	12.00	
HIGH			QPSK	11.59	11.78	11.57	12.00	
25		LOW	QPSK	11.61	11.52	11.56	12.00	
		MID	QPSK	11.53	11.32	11.63	12.00	
		HIGH	QPSK	11.41	11.34	11.61	12.00	
50		LOW	QPSK	11.42	11.56	11.68	12.00	
10		1	LOW	Q16	11.65	11.82	11.83	12.00
			MID	Q16	11.69	11.67	11.56	12.00
	HIGH		Q16	11.64	11.74	11.82	12.00	
	25	LOW	Q16	11.75	11.63	11.44	12.00	
		MID	Q16	11.68	11.88	11.62	12.00	
		HIGH	Q16	11.77	11.95	11.69	12.00	
	50	LOW	Q16	11.42	11.60	11.75	12.00	
	10	1	LOW	64QAM	11.47	11.62	11.42	12.00
			MID	64QAM	11.68	11.62	11.52	12.00
HIGH			64QAM	11.37	11.54	11.74	12.00	
25		LOW	64QAM	11.64	11.72	11.62	12.00	
		MID	64QAM	11.67	11.63	11.54	12.00	
		HIGH	64QAM	11.53	11.47	11.89	12.00	
50		LOW	64QAM	11.86	11.59	11.77	12.00	

LTE B7-DS18&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	11.80	11.67	11.40	12.00	
		MID	QPSK	11.70	11.81	11.59	12.00	
		HIGH	QPSK	11.78	11.60	11.59	12.00	
	36	LOW	QPSK	11.54	11.44	11.34	12.00	
		MID	QPSK	11.40	11.27	11.47	12.00	
		HIGH	QPSK	11.50	11.37	11.73	12.00	
	75	LOW	QPSK	11.49	11.52	11.56	12.00	
	15	1	LOW	Q16	11.67	11.61	11.80	12.00
			MID	Q16	11.78	11.44	11.63	12.00
HIGH			Q16	11.45	11.78	11.85	12.00	
36		LOW	Q16	11.60	11.50	11.67	12.00	
		MID	Q16	11.51	11.71	11.56	12.00	
		HIGH	Q16	11.56	11.94	11.72	12.00	
75		LOW	Q16	11.55	11.55	11.58	12.00	
15		1	LOW	64QAM	11.73	11.79	11.64	12.00
			MID	64QAM	11.63	11.62	11.38	12.00
	HIGH		64QAM	11.53	11.68	11.79	12.00	
	36	LOW	64QAM	11.52	11.52	11.67	12.00	
		MID	64QAM	11.60	11.48	11.25	12.00	
		HIGH	64QAM	11.47	11.70	11.80	12.00	
	75	LOW	64QAM	11.70	11.54	11.72	12.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	11.68	11.54	11.42	12.00
MID			QPSK	11.64	11.75	11.63	12.00	
HIGH			QPSK	11.70	11.64	11.63	12.00	
50		LOW	QPSK	11.62	11.58	11.46	12.00	
		MID	QPSK	11.47	11.38	11.51	12.00	
		HIGH	QPSK	11.42	11.49	11.71	12.00	
100		LOW	QPSK	11.44	11.60	11.71	12.00	
20		1	LOW	Q16	11.64	11.70	11.81	12.00
			MID	Q16	11.80	11.55	11.70	12.00
	HIGH		Q16	11.59	11.66	11.73	12.00	
	50	LOW	Q16	11.68	11.64	11.58	12.00	
		MID	Q16	11.66	11.75	11.53	12.00	
		HIGH	Q16	11.70	11.81	11.60	12.00	
	100	LOW	Q16	11.45	11.62	11.70	12.00	
	20	1	LOW	64QAM	11.61	11.68	11.57	12.00
			MID	64QAM	11.71	11.68	11.50	12.00
HIGH			64QAM	11.51	11.58	11.86	12.00	
50		LOW	64QAM	11.60	11.58	11.63	12.00	
		MID	64QAM	11.56	11.62	11.39	12.00	
		HIGH	64QAM	11.48	11.60	11.76	12.00	
100		LOW	64QAM	11.74	11.62	11.70	12.00	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	23.03	22.82	23.19	24.50	
		MID	QPSK	23.14	23.17	23.07	24.50	
		HIGH	QPSK	22.75	22.83	22.61	24.50	
	12	LOW	QPSK	22.00	21.78	21.92	23.50	
		MID	QPSK	22.13	21.86	21.73	23.50	
		HIGH	QPSK	21.86	21.84	21.68	23.50	
	25	LOW	QPSK	21.90	21.75	22.14	23.50	
	5	1	LOW	Q16	22.05	21.95	21.74	23.50
			MID	Q16	21.78	21.97	21.79	23.50
HIGH			Q16	21.80	21.75	22.03	23.50	
12		LOW	Q16	20.58	20.70	20.94	22.50	
		MID	Q16	20.87	20.57	21.02	22.50	
		HIGH	Q16	20.88	20.69	20.67	22.50	
25		LOW	Q16	20.85	20.98	20.60	22.50	
5		1	LOW	64QAM	20.95	20.68	20.61	22.50
			MID	64QAM	20.78	20.54	20.77	22.50
	HIGH		64QAM	20.52	20.71	21.02	22.50	
	12	LOW	64QAM	19.98	19.69	19.74	21.50	
		MID	64QAM	20.02	19.60	19.64	21.50	
		HIGH	64QAM	19.93	19.86	19.56	21.50	
	25	LOW	64QAM	19.66	19.78	19.69	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	23.06	22.80	23.21	24.50
MID			QPSK	23.26	23.03	23.03	24.50	
HIGH			QPSK	22.82	22.63	22.80	24.50	
25		LOW	QPSK	21.97	21.82	21.94	23.50	
		MID	QPSK	21.86	21.89	21.78	23.50	
		HIGH	QPSK	21.96	21.86	21.68	23.50	
50		LOW	QPSK	21.85	21.86	22.01	23.50	
10		1	LOW	Q16	21.98	21.77	21.54	23.50
			MID	Q16	21.69	21.94	21.74	23.50
	HIGH		Q16	21.73	21.91	22.15	23.50	
	25	LOW	Q16	20.72	20.72	20.97	22.50	
		MID	Q16	20.85	20.71	21.00	22.50	
		HIGH	Q16	20.93	20.69	20.78	22.50	
	50	LOW	Q16	20.81	20.72	20.57	22.50	
	10	1	LOW	64QAM	20.81	20.66	20.62	22.50
			MID	64QAM	20.83	20.51	20.88	22.50
HIGH			64QAM	20.53	20.51	20.82	22.50	
25		LOW	64QAM	19.96	19.79	19.53	21.50	
		MID	64QAM	20.01	19.75	19.87	21.50	
		HIGH	64QAM	19.75	19.80	19.55	21.50	
50		LOW	64QAM	19.59	19.85	19.60	21.50	



LTE B7-Full Power -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.82	22.94	23.13	24.50	
		MID	QPSK	23.27	23.00	22.90	24.50	
		HIGH	QPSK	22.80	22.90	22.69	24.50	
	36	LOW	QPSK	21.83	21.98	22.00	23.50	
		MID	QPSK	22.00	21.88	21.74	23.50	
		HIGH	QPSK	21.85	21.92	21.57	23.50	
	75	LOW	QPSK	21.66	21.73	22.03	23.50	
	15	1	LOW	Q16	21.98	21.73	21.77	23.50
			MID	Q16	21.82	22.01	21.74	23.50
HIGH			Q16	21.56	21.76	22.09	23.50	
36		LOW	Q16	20.83	20.77	21.06	22.50	
		MID	Q16	20.97	20.68	20.76	22.50	
		HIGH	Q16	21.09	20.64	20.69	22.50	
75		LOW	Q16	20.68	20.72	20.53	22.50	
15		1	LOW	64QAM	21.10	20.75	20.63	22.50
			MID	64QAM	20.72	20.73	20.83	22.50
	HIGH		64QAM	20.66	20.52	20.99	22.50	
	36	LOW	64QAM	19.89	19.87	19.64	21.50	
		MID	64QAM	20.12	19.64	19.81	21.50	
		HIGH	64QAM	19.86	19.87	19.53	21.50	
	75	LOW	64QAM	19.77	19.80	19.73	21.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.95	22.92	23.07	24.50
MID			QPSK	23.17	23.03	22.94	24.50	
HIGH			QPSK	22.87	22.78	22.67	24.50	
50		LOW	QPSK	21.97	21.84	21.91	23.50	
		MID	QPSK	21.99	21.97	21.77	23.50	
		HIGH	QPSK	21.94	21.92	21.64	23.50	
100		LOW	QPSK	21.81	21.81	22.00	23.50	
20		1	LOW	Q16	21.95	21.83	21.65	23.50
			MID	Q16	21.72	21.87	21.79	23.50
	HIGH		Q16	21.70	21.85	22.03	23.50	
	50	LOW	Q16	20.68	20.78	20.93	22.50	
		MID	Q16	20.94	20.71	20.90	22.50	
		HIGH	Q16	20.98	20.68	20.70	22.50	
	100	LOW	Q16	20.82	20.85	20.59	22.50	
	20	1	LOW	64QAM	20.95	20.76	20.64	22.50
			MID	64QAM	20.77	20.59	20.81	22.50
HIGH			64QAM	20.61	20.58	20.91	22.50	
50		LOW	64QAM	19.87	19.78	19.61	21.50	
		MID	64QAM	19.98	19.61	19.78	21.50	
		HIGH	64QAM	19.83	19.94	19.58	21.50	
100		LOW	64QAM	19.66	19.89	19.73	21.50	

LTE B7-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	10.25	10.13	9.94	11.00	
		MID	QPSK	10.52	10.54	10.39	11.00	
		HIGH	QPSK	9.88	10.23	10.21	11.00	
	12	LOW	QPSK	10.17	10.01	10.01	11.00	
		MID	QPSK	10.21	10.03	10.39	11.00	
		HIGH	QPSK	10.02	9.96	10.15	11.00	
	25	LOW	QPSK	10.12	10.02	10.04	11.00	
	5	1	LOW	Q16	10.17	10.08	10.05	11.00
			MID	Q16	10.24	10.36	10.00	11.00
HIGH			Q16	10.31	10.12	10.12	11.00	
12		LOW	Q16	10.06	9.97	10.13	11.00	
		MID	Q16	9.90	10.21	10.12	11.00	
		HIGH	Q16	10.05	10.02	9.86	11.00	
25		LOW	Q16	10.09	10.04	10.17	11.00	
5		1	LOW	64QAM	10.26	10.11	9.95	11.00
			MID	64QAM	10.18	9.85	10.21	11.00
	HIGH		64QAM	10.22	9.96	10.27	11.00	
	12	LOW	64QAM	10.08	9.93	10.13	11.00	
		MID	64QAM	10.00	10.09	10.10	11.00	
		HIGH	64QAM	10.05	10.17	9.79	11.00	
	25	LOW	64QAM	10.01	9.85	10.02	11.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	10.39	10.10	10.11	11.00
MID			QPSK	10.42	10.44	10.57	11.00	
HIGH			QPSK	10.13	10.10	10.28	11.00	
25		LOW	QPSK	10.25	10.00	10.11	11.00	
		MID	QPSK	10.44	10.02	10.40	11.00	
		HIGH	QPSK	10.06	10.15	10.20	11.00	
50		LOW	QPSK	10.04	10.10	9.91	11.00	
10		1	LOW	Q16	10.38	10.08	9.97	11.00
			MID	Q16	10.03	10.21	10.00	11.00
	HIGH		Q16	10.08	10.19	10.13	11.00	
	25	LOW	Q16	10.03	9.95	10.25	11.00	
		MID	Q16	9.91	9.95	10.08	11.00	
		HIGH	Q16	9.91	10.21	9.93	11.00	
	50	LOW	Q16	10.11	10.03	10.23	11.00	
	10	1	LOW	64QAM	10.35	10.01	10.05	11.00
			MID	64QAM	10.30	9.95	10.33	11.00
HIGH			64QAM	10.14	9.99	10.35	11.00	
25		LOW	64QAM	9.81	9.93	10.17	11.00	
		MID	64QAM	10.04	10.14	10.08	11.00	
		HIGH	64QAM	10.10	10.22	9.93	11.00	
50		LOW	64QAM	10.07	9.72	10.04	11.00	

LTE B7-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	10.50	10.09	10.13	11.00	
		MID	QPSK	10.65	10.60	10.46	11.00	
		HIGH	QPSK	9.99	10.07	10.26	11.00	
	36	LOW	QPSK	10.19	10.13	10.25	11.00	
		MID	QPSK	10.35	9.90	10.14	11.00	
		HIGH	QPSK	9.92	9.91	10.25	11.00	
	75	LOW	QPSK	9.98	9.93	10.24	11.00	
	15	1	LOW	Q16	10.20	10.07	10.04	11.00
			MID	Q16	10.29	10.15	10.17	11.00
HIGH			Q16	10.23	10.02	10.25	11.00	
36		LOW	Q16	10.26	9.99	10.05	11.00	
		MID	Q16	10.04	9.96	10.19	11.00	
		HIGH	Q16	10.06	9.96	9.91	11.00	
75		LOW	Q16	10.15	10.10	10.13	11.00	
15		1	LOW	64QAM	10.36	10.12	10.04	11.00
			MID	64QAM	10.25	10.03	10.35	11.00
	HIGH		64QAM	10.19	9.98	10.12	11.00	
	36	LOW	64QAM	9.81	9.93	10.12	11.00	
		MID	64QAM	9.94	9.99	9.94	11.00	
		HIGH	64QAM	9.92	10.02	9.72	11.00	
	75	LOW	64QAM	10.14	9.79	9.97	11.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	10.37	10.23	10.07	11.00
MID			QPSK	10.59	10.48	10.55	11.00	
HIGH			QPSK	9.99	10.18	10.28	11.00	
50		LOW	QPSK	10.23	10.15	10.26	11.00	
		MID	QPSK	10.30	10.00	10.20	11.00	
		HIGH	QPSK	10.00	10.00	10.17	11.00	
100		LOW	QPSK	10.17	10.11	10.06	11.00	
20		1	LOW	Q16	10.25	10.12	9.92	11.00
			MID	Q16	10.22	10.25	10.10	11.00
	HIGH		Q16	10.18	10.15	10.17	11.00	
	50	LOW	Q16	10.17	10.09	10.17	11.00	
		MID	Q16	9.93	10.04	10.08	11.00	
		HIGH	Q16	9.99	10.06	9.89	11.00	
	100	LOW	Q16	10.06	10.17	10.22	11.00	
	20	1	LOW	64QAM	10.28	10.09	9.93	11.00
			MID	64QAM	10.21	9.95	10.28	11.00
HIGH			64QAM	10.29	9.95	10.26	11.00	
50		LOW	64QAM	9.91	10.03	10.11	11.00	
		MID	64QAM	10.02	9.94	10.07	11.00	
		HIGH	64QAM	10.03	10.07	9.83	11.00	
100		LOW	64QAM	10.08	9.92	9.96	11.00	

LTE B7-DSI4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.91	20.88	21.00	21.50	
		MID	QPSK	21.29	21.16	21.31	21.50	
		HIGH	QPSK	20.83	20.76	20.94	21.50	
	12	LOW	QPSK	21.04	20.79	20.71	21.50	
		MID	QPSK	20.80	20.94	21.15	21.50	
		HIGH	QPSK	20.78	20.96	20.86	21.50	
	25	LOW	QPSK	20.92	20.76	20.80	21.50	
	5	1	LOW	Q16	21.12	20.82	21.15	21.50
			MID	Q16	20.87	21.10	20.95	21.50
HIGH			Q16	20.86	20.68	20.85	21.50	
12		LOW	Q16	20.40	20.24	20.48	21.50	
		MID	Q16	20.39	20.40	20.37	21.50	
		HIGH	Q16	20.46	20.62	20.43	21.50	
25		LOW	Q16	20.36	20.46	20.55	21.50	
5		1	LOW	64QAM	20.28	20.21	20.17	21.50
			MID	64QAM	20.18	20.41	20.25	21.50
	HIGH		64QAM	20.33	19.97	20.23	21.50	
	12	LOW	64QAM	19.96	19.67	19.97	21.00	
		MID	64QAM	19.64	20.04	19.80	21.00	
		HIGH	64QAM	20.03	19.69	19.77	21.00	
	25	LOW	64QAM	19.59	19.77	20.10	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.85	20.98	20.88	21.50
MID			QPSK	21.02	21.12	21.15	21.50	
HIGH			QPSK	20.86	20.93	20.97	21.50	
25		LOW	QPSK	20.76	20.90	20.85	21.50	
		MID	QPSK	20.88	21.10	21.00	21.50	
		HIGH	QPSK	20.69	21.04	20.95	21.50	
50		LOW	QPSK	21.01	20.87	20.92	21.50	
10		1	LOW	Q16	21.15	20.99	20.96	21.50
			MID	Q16	21.04	20.96	21.02	21.50
	HIGH		Q16	20.86	21.06	21.01	21.50	
	25	LOW	Q16	20.15	20.42	20.28	21.50	
		MID	Q16	20.49	20.37	20.40	21.50	
		HIGH	Q16	20.27	20.68	20.41	21.50	
	50	LOW	Q16	20.39	20.58	20.37	21.50	
	10	1	LOW	64QAM	20.17	20.16	20.19	21.50
			MID	64QAM	20.00	20.43	20.40	21.50
HIGH			64QAM	20.55	19.97	20.38	21.50	
25		LOW	64QAM	19.82	19.73	19.85	21.00	
		MID	64QAM	19.71	19.91	19.79	21.00	
		HIGH	64QAM	20.09	19.60	20.00	21.00	
50		LOW	64QAM	19.63	19.86	20.02	21.00	

LTE B7-DSI4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.89	20.96	20.81	21.50	
		MID	QPSK	21.23	21.23	21.37	21.50	
		HIGH	QPSK	20.81	20.93	20.75	21.50	
	36	LOW	QPSK	20.80	21.01	20.71	21.50	
		MID	QPSK	20.70	21.06	21.14	21.50	
		HIGH	QPSK	21.04	21.20	21.05	21.50	
	75	LOW	QPSK	20.92	20.99	20.86	21.50	
	15	1	LOW	Q16	21.22	20.90	21.16	21.50
			MID	Q16	20.98	21.15	20.83	21.50
HIGH			Q16	20.85	20.83	20.95	21.50	
36		LOW	Q16	20.21	20.24	20.49	21.50	
		MID	Q16	20.33	20.44	20.57	21.50	
		HIGH	Q16	20.26	20.44	20.43	21.50	
75		LOW	Q16	20.53	20.40	20.34	21.50	
15		1	LOW	64QAM	20.41	20.11	20.04	21.50
			MID	64QAM	20.00	20.11	20.26	21.50
	HIGH		64QAM	20.23	20.09	20.19	21.50	
	36	LOW	64QAM	19.77	19.77	19.71	21.00	
		MID	64QAM	19.64	19.95	20.00	21.00	
		HIGH	64QAM	19.90	19.60	19.82	21.00	
	75	LOW	64QAM	19.71	19.64	19.90	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.83	20.96	20.83	21.50
MID			QPSK	21.20	21.14	21.23	21.50	
HIGH			QPSK	20.80	20.85	20.89	21.50	
50		LOW	QPSK	20.81	20.92	20.76	21.50	
		MID	QPSK	20.74	20.96	21.07	21.50	
		HIGH	QPSK	20.89	21.03	20.94	21.50	
100		LOW	QPSK	20.99	20.94	20.89	21.50	
20		1	LOW	Q16	21.14	20.97	21.09	21.50
			MID	Q16	20.89	21.05	20.89	21.50
	HIGH		Q16	20.92	20.88	20.88	21.50	
	50	LOW	Q16	20.31	20.37	20.47	21.50	
		MID	Q16	20.41	20.40	20.47	21.50	
		HIGH	Q16	20.48	20.52	20.38	21.50	
	100	LOW	Q16	20.46	20.47	20.46	21.50	
	20	1	LOW	64QAM	20.30	20.23	20.12	21.50
			MID	64QAM	20.14	20.30	20.37	21.50
HIGH			64QAM	20.40	20.07	20.30	21.50	
50		LOW	64QAM	19.85	19.81	19.82	21.00	
		MID	64QAM	19.63	19.90	19.90	21.00	
		HIGH	64QAM	19.94	19.69	19.85	21.00	
100		LOW	64QAM	19.63	19.76	19.95	21.00	

LTE B7-DSI5 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	16.55	16.45	16.70	17.00	
		MID	QPSK	16.76	16.65	16.89	17.00	
		HIGH	QPSK	16.77	16.59	16.72	17.00	
	12	LOW	QPSK	16.39	16.41	16.84	17.00	
		MID	QPSK	16.67	16.50	16.27	17.00	
		HIGH	QPSK	16.63	16.67	16.45	17.00	
	25	LOW	QPSK	16.35	16.48	16.46	17.00	
	5	1	LOW	Q16	16.73	16.66	16.90	17.00
			MID	Q16	16.45	16.67	16.58	17.00
HIGH			Q16	16.61	16.70	16.96	17.00	
12		LOW	Q16	16.69	16.61	16.86	17.00	
		MID	Q16	16.28	16.51	16.53	17.00	
		HIGH	Q16	16.32	16.67	16.51	17.00	
25		LOW	Q16	16.53	16.30	16.37	17.00	
5		1	LOW	64QAM	16.71	16.43	16.31	17.00
			MID	64QAM	16.26	16.17	16.36	17.00
	HIGH		64QAM	16.55	16.30	16.15	17.00	
	12	LOW	64QAM	16.42	16.31	16.51	17.00	
		MID	64QAM	16.40	16.23	16.32	17.00	
		HIGH	64QAM	16.28	16.40	16.44	17.00	
	25	LOW	64QAM	16.19	16.60	16.35	17.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	16.39	16.46	16.70	17.00
MID			QPSK	16.99	16.89	16.86	17.00	
HIGH			QPSK	16.50	16.69	16.47	17.00	
25		LOW	QPSK	16.57	16.48	16.87	17.00	
		MID	QPSK	16.41	16.73	16.46	17.00	
		HIGH	QPSK	16.57	16.88	16.23	17.00	
50		LOW	QPSK	16.43	16.44	16.57	17.00	
10		1	LOW	Q16	16.68	16.90	16.76	17.00
			MID	Q16	16.69	16.65	16.52	17.00
	HIGH		Q16	16.65	16.69	16.75	17.00	
	25	LOW	Q16	16.66	16.65	16.56	17.00	
		MID	Q16	16.35	16.42	16.50	17.00	
		HIGH	Q16	16.48	16.56	16.37	17.00	
	50	LOW	Q16	16.33	16.31	16.50	17.00	
	10	1	LOW	64QAM	16.44	16.33	16.38	17.00
			MID	64QAM	16.44	16.16	16.18	17.00
HIGH			64QAM	16.39	16.44	16.07	17.00	
25		LOW	64QAM	16.62	16.30	16.25	17.00	
		MID	64QAM	16.41	16.06	16.27	17.00	
		HIGH	64QAM	16.40	16.34	16.27	17.00	
50		LOW	64QAM	16.22	16.40	16.31	17.00	

LTE B7-DSI5 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	16.58	16.67	16.57	17.00	
		MID	QPSK	16.80	16.57	16.71	17.00	
		HIGH	QPSK	16.74	16.59	16.55	17.00	
	36	LOW	QPSK	16.66	16.73	16.65	17.00	
		MID	QPSK	16.36	16.51	16.40	17.00	
		HIGH	QPSK	16.45	16.82	16.54	17.00	
	75	LOW	QPSK	16.22	16.61	16.49	17.00	
	15	1	LOW	Q16	16.45	16.64	16.74	17.00
			MID	Q16	16.53	16.59	16.73	17.00
HIGH			Q16	16.60	16.75	16.81	17.00	
36		LOW	Q16	16.67	16.55	16.66	17.00	
		MID	Q16	16.46	16.52	16.52	17.00	
		HIGH	Q16	16.23	16.73	16.36	17.00	
75		LOW	Q16	16.45	16.32	16.45	17.00	
15		1	LOW	64QAM	16.57	16.41	16.21	17.00
			MID	64QAM	16.36	16.19	16.30	17.00
	HIGH		64QAM	16.42	16.35	16.23	17.00	
	36	LOW	64QAM	16.58	16.40	16.25	17.00	
		MID	64QAM	16.37	16.06	16.25	17.00	
		HIGH	64QAM	16.43	16.27	16.32	17.00	
	75	LOW	64QAM	16.41	16.68	16.35	17.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	16.46	16.58	16.66	17.00
MID			QPSK	16.89	16.67	16.77	17.00	
HIGH			QPSK	16.64	16.51	16.64	17.00	
50		LOW	QPSK	16.55	16.51	16.69	17.00	
		MID	QPSK	16.48	16.56	16.37	17.00	
		HIGH	QPSK	16.53	16.73	16.34	17.00	
100		LOW	QPSK	16.40	16.46	16.46	17.00	
20		1	LOW	Q16	16.64	16.75	16.90	17.00
			MID	Q16	16.58	16.69	16.66	17.00
	HIGH		Q16	16.66	16.77	16.85	17.00	
	50	LOW	Q16	16.62	16.52	16.71	17.00	
		MID	Q16	16.34	16.42	16.49	17.00	
		HIGH	Q16	16.38	16.60	16.43	17.00	
	100	LOW	Q16	16.49	16.34	16.45	17.00	
	20	1	LOW	64QAM	16.58	16.42	16.36	17.00
			MID	64QAM	16.48	16.22	16.37	17.00
HIGH			64QAM	16.49	16.28	16.27	17.00	
50		LOW	64QAM	16.48	16.40	16.43	17.00	
		MID	64QAM	16.30	16.20	16.32	17.00	
		HIGH	64QAM	16.41	16.29	16.38	17.00	
100		LOW	64QAM	16.24	16.57	16.32	17.00	

LTE B7-DS18&9&10 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	12.25	11.94	11.94	12.50	
		MID	QPSK	12.20	12.43	12.19	12.50	
		HIGH	QPSK	12.11	12.19	12.08	12.50	
	12	LOW	QPSK	12.18	12.23	12.00	12.50	
		MID	QPSK	12.04	11.87	12.12	12.50	
		HIGH	QPSK	11.93	11.89	12.19	12.50	
	25	LOW	QPSK	11.98	12.13	12.38	12.50	
	5	1	LOW	Q16	12.13	12.13	12.24	12.50
			MID	Q16	12.29	11.93	12.10	12.50
HIGH			Q16	11.93	12.22	12.29	12.50	
12		LOW	Q16	12.18	12.24	12.24	12.50	
		MID	Q16	12.22	12.18	12.12	12.50	
		HIGH	Q16	12.26	12.28	12.08	12.50	
25		LOW	Q16	12.08	12.19	12.40	12.50	
5		1	LOW	64QAM	12.14	12.13	12.12	12.50
			MID	64QAM	12.16	12.02	11.91	12.50
	HIGH		64QAM	12.19	12.03	12.40	12.50	
	12	LOW	64QAM	12.10	12.26	11.97	12.50	
		MID	64QAM	11.89	11.96	11.96	12.50	
		HIGH	64QAM	12.04	12.21	12.36	12.50	
	25	LOW	64QAM	12.22	12.14	12.16	12.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	12.05	12.03	12.08	12.50
MID			QPSK	12.21	12.39	12.11	12.50	
HIGH			QPSK	12.05	12.25	12.10	12.50	
25		LOW	QPSK	12.10	12.01	12.05	12.50	
		MID	QPSK	12.05	11.79	12.12	12.50	
		HIGH	QPSK	11.90	11.81	12.10	12.50	
50		LOW	QPSK	11.97	12.04	12.15	12.50	
10		1	LOW	Q16	12.17	12.29	12.34	12.50
			MID	Q16	12.24	12.20	12.01	12.50
	HIGH		Q16	12.15	12.19	12.29	12.50	
	25	LOW	Q16	12.23	12.17	11.98	12.50	
		MID	Q16	12.23	12.37	12.16	12.50	
		HIGH	Q16	12.30	12.40	12.14	12.50	
	50	LOW	Q16	11.92	12.11	12.22	12.50	
	10	1	LOW	64QAM	11.95	12.07	11.91	12.50
			MID	64QAM	12.23	12.15	12.00	12.50
HIGH			64QAM	11.85	12.09	12.21	12.50	
25		LOW	64QAM	12.17	12.23	12.12	12.50	
		MID	64QAM	12.21	12.14	12.04	12.50	
		HIGH	64QAM	12.07	12.02	12.43	12.50	
50		LOW	64QAM	12.32	12.11	12.28	12.50	



LTE B7-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	12.27	12.15	11.87	12.50	
		MID	QPSK	12.25	12.33	12.05	12.50	
		HIGH	QPSK	12.32	12.11	12.06	12.50	
	36	LOW	QPSK	12.03	11.89	11.80	12.50	
		MID	QPSK	11.95	11.76	11.96	12.50	
		HIGH	QPSK	11.98	11.91	12.27	12.50	
	75	LOW	QPSK	11.94	12.01	12.08	12.50	
	15	1	LOW	Q16	12.17	12.11	12.30	12.50
			MID	Q16	12.33	11.97	12.10	12.50
HIGH			Q16	11.90	12.28	12.34	12.50	
36		LOW	Q16	12.06	11.98	12.20	12.50	
		MID	Q16	12.04	12.19	12.05	12.50	
		HIGH	Q16	12.11	12.44	12.24	12.50	
75		LOW	Q16	12.02	12.04	12.03	12.50	
15		1	LOW	64QAM	12.26	12.34	12.16	12.50
			MID	64QAM	12.15	12.14	11.92	12.50
	HIGH		64QAM	11.98	12.22	12.32	12.50	
	36	LOW	64QAM	12.02	11.98	12.22	12.50	
		MID	64QAM	12.06	11.98	11.76	12.50	
		HIGH	64QAM	12.01	12.20	12.30	12.50	
	75	LOW	64QAM	12.21	12.00	12.24	12.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	12.14	12.06	11.93	12.50
MID			QPSK	12.11	12.21	12.15	12.50	
HIGH			QPSK	12.16	12.15	12.17	12.50	
50		LOW	QPSK	12.15	12.04	11.99	12.50	
		MID	QPSK	11.97	11.84	11.98	12.50	
		HIGH	QPSK	11.95	12.02	12.18	12.50	
100		LOW	QPSK	11.99	12.05	12.19	12.50	
20		1	LOW	Q16	12.09	12.18	12.34	12.50
			MID	Q16	12.32	12.08	12.23	12.50
	HIGH		Q16	12.08	12.16	12.21	12.50	
	50	LOW	Q16	12.13	12.09	12.09	12.50	
		MID	Q16	12.12	12.21	11.98	12.50	
		HIGH	Q16	12.23	12.33	12.08	12.50	
	100	LOW	Q16	11.91	12.09	12.17	12.50	
	20	1	LOW	64QAM	12.10	12.13	12.03	12.50
			MID	64QAM	12.24	12.22	12.02	12.50
HIGH			64QAM	12.06	12.03	12.37	12.50	
50		LOW	64QAM	12.11	12.11	12.08	12.50	
		MID	64QAM	12.03	12.12	11.94	12.50	
		HIGH	64QAM	11.94	12.11	12.24	12.50	
100		LOW	64QAM	12.27	12.11	12.16	12.50	

## 8.3.4 LTE Band7 Output Power(UL Inter CA)

LTE B7-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.80	20.94	20.98	22.50	
		MID	QPSK	21.07	21.05	20.98	22.50	
		HIGH	QPSK	21.03	20.98	21.16	22.50	
	12	LOW	QPSK	19.77	19.88	19.91	21.50	
		MID	QPSK	20.01	19.97	19.93	21.50	
		HIGH	QPSK	20.11	19.88	19.85	21.50	
	25	LOW	QPSK	20.08	20.16	20.15	21.50	
	5	1	LOW	Q16	19.95	19.72	19.91	21.50
			MID	Q16	19.99	19.97	19.80	21.50
HIGH			Q16	20.00	20.18	19.99	21.50	
12		LOW	Q16	19.00	18.75	18.94	20.50	
		MID	Q16	19.03	18.77	18.98	20.50	
		HIGH	Q16	18.85	18.97	18.93	20.50	
25		LOW	Q16	18.99	18.92	18.91	20.50	
5		1	LOW	64QAM	19.00	18.96	19.16	20.50
			MID	64QAM	19.09	19.04	19.12	20.50
	HIGH		64QAM	19.20	18.77	18.75	20.50	
	12	LOW	64QAM	18.15	18.05	17.99	19.50	
		MID	64QAM	18.27	18.06	18.12	19.50	
		HIGH	64QAM	18.10	18.07	17.85	19.50	
	25	LOW	64QAM	18.15	17.98	18.17	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.77	21.17	21.00	22.50
MID			QPSK	20.99	20.94	20.98	22.50	
HIGH			QPSK	20.87	20.95	21.27	22.50	
25		LOW	QPSK	19.98	19.86	20.07	21.50	
		MID	QPSK	19.71	20.26	19.85	21.50	
		HIGH	QPSK	19.99	19.89	19.78	21.50	
50		LOW	QPSK	20.04	20.12	20.03	21.50	
10		1	LOW	Q16	19.91	19.84	19.99	21.50
			MID	Q16	19.98	20.03	19.83	21.50
	HIGH		Q16	19.82	20.00	19.88	21.50	
	25	LOW	Q16	19.00	18.98	18.89	20.50	
		MID	Q16	18.93	18.83	19.04	20.50	
		HIGH	Q16	19.09	19.08	18.94	20.50	
	50	LOW	Q16	19.03	19.00	18.81	20.50	
	10	1	LOW	64QAM	19.21	18.84	18.98	20.50
			MID	64QAM	19.16	19.08	19.25	20.50
HIGH			64QAM	19.14	18.75	18.93	20.50	
25		LOW	64QAM	18.12	18.06	18.22	19.50	
		MID	64QAM	18.02	18.13	17.99	19.50	
		HIGH	64QAM	17.89	17.93	17.89	19.50	
50		LOW	64QAM	18.14	17.99	18.11	19.50	

LTE B7-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.84	21.08	21.24	22.50	
		MID	QPSK	21.00	20.78	20.96	22.50	
		HIGH	QPSK	20.96	20.78	21.25	22.50	
	36	LOW	QPSK	19.87	19.93	20.16	21.50	
		MID	QPSK	19.98	20.11	19.98	21.50	
		HIGH	QPSK	20.03	19.97	19.72	21.50	
	75	LOW	QPSK	19.88	20.13	20.00	21.50	
	15	1	LOW	Q16	19.93	19.89	20.07	21.50
			MID	Q16	20.03	19.96	19.98	21.50
HIGH			Q16	20.10	20.25	19.93	21.50	
36		LOW	Q16	18.94	18.97	19.13	20.50	
		MID	Q16	18.78	18.92	19.19	20.50	
		HIGH	Q16	19.02	18.99	18.92	20.50	
75		LOW	Q16	18.93	19.01	18.92	20.50	
15		1	LOW	64QAM	19.12	19.04	19.05	20.50
			MID	64QAM	19.11	18.97	19.17	20.50
	HIGH		64QAM	19.23	18.94	18.81	20.50	
	36	LOW	64QAM	17.97	18.11	17.96	19.50	
		MID	64QAM	18.05	18.09	17.89	19.50	
		HIGH	64QAM	18.17	17.93	18.01	19.50	
	75	LOW	64QAM	17.93	18.15	17.96	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.92	21.02	21.11	22.50
MID			QPSK	21.02	20.90	20.88	22.50	
HIGH			QPSK	20.98	20.89	21.12	22.50	
50		LOW	QPSK	19.90	19.87	20.01	21.50	
		MID	QPSK	19.86	20.11	19.96	21.50	
		HIGH	QPSK	20.11	20.01	19.85	21.50	
100		LOW	QPSK	19.94	20.15	20.08	21.50	
20		1	LOW	Q16	19.91	19.86	20.02	21.50
			MID	Q16	19.95	19.96	19.93	21.50
	HIGH		Q16	19.96	20.12	19.96	21.50	
	50	LOW	Q16	19.08	18.90	18.99	20.50	
		MID	Q16	18.90	18.90	19.06	20.50	
		HIGH	Q16	18.94	18.99	19.05	20.50	
	100	LOW	Q16	18.88	18.93	18.91	20.50	
	20	1	LOW	64QAM	19.15	18.90	19.04	20.50
			MID	64QAM	19.07	18.98	19.14	20.50
HIGH			64QAM	19.14	18.87	18.89	20.50	
50		LOW	64QAM	18.04	18.13	18.09	19.50	
		MID	64QAM	18.14	18.02	17.98	19.50	
		HIGH	64QAM	18.04	18.00	18.00	19.50	
100		LOW	64QAM	18.05	18.03	18.07	19.50	

LTE B7-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	7.47	7.50	7.39	9.00	
		MID	QPSK	7.39	7.31	7.43	9.00	
		HIGH	QPSK	7.73	7.49	7.63	9.00	
	12	LOW	QPSK	7.35	7.48	7.43	9.00	
		MID	QPSK	7.49	7.40	7.48	9.00	
		HIGH	QPSK	7.62	7.67	7.42	9.00	
	25	LOW	QPSK	7.37	7.66	7.37	9.00	
	5	1	LOW	Q16	7.48	7.47	7.28	9.00
			MID	Q16	7.45	7.47	7.70	9.00
HIGH			Q16	7.56	7.51	7.43	9.00	
12		LOW	Q16	7.51	7.64	7.35	9.00	
		MID	Q16	7.40	7.45	7.39	9.00	
		HIGH	Q16	7.67	7.58	7.56	9.00	
25		LOW	Q16	7.44	7.49	7.41	9.00	
5		1	LOW	64QAM	7.61	7.51	7.42	9.00
			MID	64QAM	7.52	7.32	7.49	9.00
	HIGH		64QAM	7.32	7.38	7.73	9.00	
	12	LOW	64QAM	7.37	7.47	7.46	9.00	
		MID	64QAM	7.25	7.72	7.39	9.00	
		HIGH	64QAM	7.40	7.47	7.70	9.00	
	25	LOW	64QAM	7.65	7.47	7.27	9.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	7.63	7.67	7.48	9.00
MID			QPSK	7.32	7.46	7.49	9.00	
HIGH			QPSK	7.57	7.48	7.51	9.00	
25		LOW	QPSK	7.26	7.66	7.71	9.00	
		MID	QPSK	7.59	7.53	7.54	9.00	
		HIGH	QPSK	7.34	7.60	7.48	9.00	
50		LOW	QPSK	7.28	7.48	7.58	9.00	
10		1	LOW	Q16	7.41	7.62	7.41	9.00
			MID	Q16	7.45	7.55	7.46	9.00
	HIGH		Q16	7.72	7.64	7.56	9.00	
	25	LOW	Q16	7.46	7.68	7.56	9.00	
		MID	Q16	7.60	7.27	7.44	9.00	
		HIGH	Q16	7.57	7.29	7.44	9.00	
	50	LOW	Q16	7.36	7.53	7.52	9.00	
	10	1	LOW	64QAM	7.70	7.56	7.50	9.00
			MID	64QAM	7.46	7.31	7.72	9.00
HIGH			64QAM	7.39	7.44	7.60	9.00	
25		LOW	64QAM	7.63	7.29	7.41	9.00	
		MID	64QAM	7.41	7.60	7.38	9.00	
		HIGH	64QAM	7.56	7.35	7.56	9.00	
50		LOW	64QAM	7.43	7.60	7.30	9.00	

LTE B7-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	7.62	7.63	7.61	9.00	
		MID	QPSK	7.48	7.51	7.51	9.00	
		HIGH	QPSK	7.63	7.50	7.54	9.00	
	36	LOW	QPSK	7.33	7.50	7.53	9.00	
		MID	QPSK	7.30	7.53	7.53	9.00	
		HIGH	QPSK	7.47	7.39	7.45	9.00	
	75	LOW	QPSK	7.47	7.68	7.56	9.00	
	15	1	LOW	Q16	7.58	7.44	7.34	9.00
			MID	Q16	7.64	7.55	7.54	9.00
HIGH			Q16	7.59	7.57	7.46	9.00	
36		LOW	Q16	7.41	7.68	7.58	9.00	
		MID	Q16	7.58	7.26	7.46	9.00	
		HIGH	Q16	7.65	7.31	7.46	9.00	
75		LOW	Q16	7.25	7.57	7.37	9.00	
15		1	LOW	64QAM	7.57	7.53	7.53	9.00
			MID	64QAM	7.49	7.37	7.47	9.00
	HIGH		64QAM	7.35	7.30	7.74	9.00	
	36	LOW	64QAM	7.38	7.40	7.32	9.00	
		MID	64QAM	7.48	7.63	7.51	9.00	
		HIGH	64QAM	7.39	7.28	7.60	9.00	
	75	LOW	64QAM	7.67	7.61	7.39	9.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	7.58	7.59	7.50	9.00
MID			QPSK	7.39	7.44	7.50	9.00	
HIGH			QPSK	7.58	7.48	7.51	9.00	
50		LOW	QPSK	7.35	7.56	7.56	9.00	
		MID	QPSK	7.44	7.47	7.56	9.00	
		HIGH	QPSK	7.47	7.53	7.55	9.00	
100		LOW	QPSK	7.43	7.62	7.46	9.00	
20		1	LOW	Q16	7.49	7.56	7.40	9.00
			MID	Q16	7.54	7.50	7.56	9.00
	HIGH		Q16	7.61	7.55	7.56	9.00	
	50	LOW	Q16	7.43	7.54	7.47	9.00	
		MID	Q16	7.46	7.38	7.53	9.00	
		HIGH	Q16	7.60	7.43	7.54	9.00	
	100	LOW	Q16	7.38	7.46	7.41	9.00	
	20	1	LOW	64QAM	7.61	7.59	7.44	9.00
			MID	64QAM	7.40	7.45	7.60	9.00
HIGH			64QAM	7.36	7.37	7.59	9.00	
50		LOW	64QAM	7.51	7.36	7.37	9.00	
		MID	64QAM	7.36	7.61	7.49	9.00	
		HIGH	64QAM	7.41	7.42	7.56	9.00	
100		LOW	64QAM	7.54	7.51	7.40	9.00	

LTE B7-DSI4 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	19.55	19.51	19.30	21.00	
		MID	QPSK	19.53	19.53	19.36	21.00	
		HIGH	QPSK	19.39	19.60	19.38	21.00	
	12	LOW	QPSK	19.53	19.71	19.64	21.00	
		MID	QPSK	19.38	19.41	19.77	21.00	
		HIGH	QPSK	19.48	19.63	19.33	21.00	
	25	LOW	QPSK	19.70	19.57	19.44	21.00	
	5	1	LOW	Q16	19.54	19.50	19.80	21.00
			MID	Q16	19.67	19.35	19.28	21.00
HIGH			Q16	19.40	19.67	19.68	21.00	
12		LOW	Q16	19.28	18.89	19.01	20.50	
		MID	Q16	19.19	18.94	18.89	20.50	
		HIGH	Q16	19.19	18.96	18.94	20.50	
25		LOW	Q16	18.91	18.88	19.03	20.50	
5		1	LOW	64QAM	19.15	19.20	19.10	20.50
			MID	64QAM	18.99	18.92	18.92	20.50
	HIGH		64QAM	18.97	18.92	19.15	20.50	
	12	LOW	64QAM	17.86	18.13	18.13	19.50	
		MID	64QAM	18.11	18.23	17.93	19.50	
		HIGH	64QAM	17.94	18.22	17.92	19.50	
	25	LOW	64QAM	17.94	18.11	17.85	19.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	19.46	19.68	19.27	21.00
MID			QPSK	19.46	19.42	19.35	21.00	
HIGH			QPSK	19.47	19.59	19.56	21.00	
25		LOW	QPSK	19.51	19.57	19.57	21.00	
		MID	QPSK	19.47	19.29	19.75	21.00	
		HIGH	QPSK	19.42	19.71	19.45	21.00	
50		LOW	QPSK	19.49	19.41	19.42	21.00	
10		1	LOW	Q16	19.43	19.38	19.70	21.00
			MID	Q16	19.57	19.47	19.50	21.00
	HIGH		Q16	19.38	19.54	19.61	21.00	
	25	LOW	Q16	19.26	19.08	19.00	20.50	
		MID	Q16	19.00	18.77	18.82	20.50	
		HIGH	Q16	19.14	19.12	19.10	20.50	
	50	LOW	Q16	18.86	18.96	19.10	20.50	
	10	1	LOW	64QAM	19.03	19.14	18.97	20.50
			MID	64QAM	19.05	18.89	19.04	20.50
HIGH			64QAM	18.87	18.95	19.21	20.50	
25		LOW	64QAM	17.83	18.12	18.09	19.50	
		MID	64QAM	18.20	18.14	18.17	19.50	
		HIGH	64QAM	18.03	18.10	17.82	19.50	
50		LOW	64QAM	18.19	18.12	17.95	19.50	

LTE B7-DSI4 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	19.57	19.78	19.40	21.00	
		MID	QPSK	19.66	19.60	19.37	21.00	
		HIGH	QPSK	19.41	19.67	19.39	21.00	
	36	LOW	QPSK	19.40	19.50	19.51	21.00	
		MID	QPSK	19.45	19.30	19.70	21.00	
		HIGH	QPSK	19.47	19.62	19.35	21.00	
	75	LOW	QPSK	19.60	19.39	19.49	21.00	
	15	1	LOW	Q16	19.46	19.48	19.74	21.00
			MID	Q16	19.73	19.57	19.45	21.00
HIGH			Q16	19.29	19.50	19.78	21.00	
36		LOW	Q16	19.28	19.03	19.09	20.50	
		MID	Q16	19.13	18.90	18.99	20.50	
		HIGH	Q16	19.17	19.22	19.07	20.50	
75		LOW	Q16	19.11	19.04	18.96	20.50	
15		1	LOW	64QAM	19.02	19.15	19.24	20.50
			MID	64QAM	18.96	18.82	19.03	20.50
	HIGH		64QAM	19.02	19.10	19.06	20.50	
	36	LOW	64QAM	18.05	18.07	18.05	19.50	
		MID	64QAM	18.14	18.13	18.17	19.50	
		HIGH	64QAM	17.80	18.01	18.05	19.50	
	75	LOW	64QAM	18.11	18.06	18.02	19.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	19.43	19.65	19.38	21.00
MID			QPSK	19.52	19.45	19.39	21.00	
HIGH			QPSK	19.44	19.59	19.42	21.00	
50		LOW	QPSK	19.41	19.58	19.58	21.00	
		MID	QPSK	19.44	19.38	19.62	21.00	
		HIGH	QPSK	19.43	19.61	19.40	21.00	
100		LOW	QPSK	19.57	19.52	19.54	21.00	
20		1	LOW	Q16	19.49	19.46	19.65	21.00
			MID	Q16	19.61	19.44	19.35	21.00
	HIGH		Q16	19.39	19.65	19.64	21.00	
	50	LOW	Q16	19.13	18.93	19.06	20.50	
		MID	Q16	19.08	18.91	18.92	20.50	
		HIGH	Q16	19.14	19.09	18.96	20.50	
	100	LOW	Q16	18.98	18.90	19.07	20.50	
	20	1	LOW	64QAM	19.10	19.10	19.10	20.50
			MID	64QAM	18.94	18.86	19.02	20.50
HIGH			64QAM	18.95	19.04	19.06	20.50	
50		LOW	64QAM	17.97	18.11	18.07	19.50	
		MID	64QAM	18.13	18.08	18.08	19.50	
		HIGH	64QAM	17.92	18.12	17.90	19.50	
100		LOW	64QAM	18.04	18.06	17.95	19.50	

LTE B7-DSI5 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	13.33	13.23	13.43	15.00	
		MID	QPSK	13.67	13.37	13.62	15.00	
		HIGH	QPSK	13.60	13.46	13.48	15.00	
	12	LOW	QPSK	13.47	13.55	13.47	15.00	
		MID	QPSK	13.45	13.58	13.57	15.00	
		HIGH	QPSK	13.51	13.55	13.70	15.00	
	25	LOW	QPSK	13.56	13.44	13.38	15.00	
	5	1	LOW	Q16	13.63	13.41	13.62	15.00
			MID	Q16	13.74	13.27	13.45	15.00
HIGH			Q16	13.53	13.41	13.45	15.00	
12		LOW	Q16	13.45	13.73	13.56	15.00	
		MID	Q16	13.41	13.50	13.34	15.00	
		HIGH	Q16	13.70	13.46	13.38	15.00	
25		LOW	Q16	13.46	13.54	13.37	15.00	
5		1	LOW	64QAM	13.58	13.50	13.52	15.00
			MID	64QAM	13.41	13.54	13.47	15.00
	HIGH		64QAM	13.34	13.66	13.34	15.00	
	12	LOW	64QAM	13.77	13.39	13.36	15.00	
		MID	64QAM	13.43	13.69	13.45	15.00	
		HIGH	64QAM	13.41	13.70	13.34	15.00	
	25	LOW	64QAM	13.49	13.46	13.37	15.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	13.43	13.40	13.51	15.00
MID			QPSK	13.59	13.37	13.39	15.00	
HIGH			QPSK	13.59	13.35	13.73	15.00	
25		LOW	QPSK	13.58	13.66	13.43	15.00	
		MID	QPSK	13.35	13.44	13.58	15.00	
		HIGH	QPSK	13.39	13.70	13.68	15.00	
50		LOW	QPSK	13.37	13.37	13.44	15.00	
10		1	LOW	Q16	13.62	13.26	13.49	15.00
			MID	Q16	13.57	13.49	13.45	15.00
	HIGH		Q16	13.54	13.45	13.52	15.00	
	25	LOW	Q16	13.37	13.63	13.56	15.00	
		MID	Q16	13.45	13.68	13.54	15.00	
		HIGH	Q16	13.64	13.48	13.45	15.00	
	50	LOW	Q16	13.56	13.36	13.30	15.00	
	10	1	LOW	64QAM	13.50	13.37	13.53	15.00
			MID	64QAM	13.50	13.46	13.53	15.00
HIGH			64QAM	13.36	13.79	13.30	15.00	
25		LOW	64QAM	13.71	13.54	13.37	15.00	
		MID	64QAM	13.40	13.70	13.53	15.00	
		HIGH	64QAM	13.42	13.58	13.62	15.00	
50		LOW	64QAM	13.46	13.49	13.41	15.00	



LTE B7-DSI5 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	13.33	13.37	13.37	15.00	
		MID	QPSK	13.60	13.58	13.39	15.00	
		HIGH	QPSK	13.58	13.30	13.69	15.00	
	36	LOW	QPSK	13.34	13.53	13.53	15.00	
		MID	QPSK	13.45	13.42	13.57	15.00	
		HIGH	QPSK	13.25	13.72	13.51	15.00	
	75	LOW	QPSK	13.53	13.56	13.66	15.00	
	15	1	LOW	Q16	13.46	13.25	13.49	15.00
			MID	Q16	13.52	13.25	13.58	15.00
HIGH			Q16	13.50	13.56	13.37	15.00	
36		LOW	Q16	13.42	13.44	13.61	15.00	
		MID	Q16	13.36	13.51	13.31	15.00	
		HIGH	Q16	13.71	13.50	13.59	15.00	
75		LOW	Q16	13.54	13.28	13.55	15.00	
15		1	LOW	64QAM	13.41	13.59	13.59	15.00
			MID	64QAM	13.39	13.48	13.46	15.00
	HIGH		64QAM	13.48	13.66	13.46	15.00	
	36	LOW	64QAM	13.79	13.26	13.44	15.00	
		MID	64QAM	13.34	13.47	13.48	15.00	
		HIGH	64QAM	13.48	13.47	13.45	15.00	
	75	LOW	64QAM	13.53	13.39	13.54	15.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	13.38	13.38	13.38	15.00
MID			QPSK	13.56	13.43	13.53	15.00	
HIGH			QPSK	13.55	13.41	13.63	15.00	
50		LOW	QPSK	13.44	13.64	13.48	15.00	
		MID	QPSK	13.42	13.50	13.59	15.00	
		HIGH	QPSK	13.36	13.57	13.60	15.00	
100		LOW	QPSK	13.45	13.42	13.53	15.00	
20		1	LOW	Q16	13.59	13.40	13.48	15.00
			MID	Q16	13.65	13.38	13.54	15.00
	HIGH		Q16	13.40	13.41	13.41	15.00	
	50	LOW	Q16	13.37	13.58	13.47	15.00	
		MID	Q16	13.46	13.54	13.40	15.00	
		HIGH	Q16	13.56	13.61	13.46	15.00	
	100	LOW	Q16	13.55	13.43	13.43	15.00	
	20	1	LOW	64QAM	13.48	13.51	13.53	15.00
			MID	64QAM	13.53	13.49	13.51	15.00
HIGH			64QAM	13.44	13.65	13.42	15.00	
50		LOW	64QAM	13.65	13.39	13.35	15.00	
		MID	64QAM	13.44	13.60	13.57	15.00	
		HIGH	64QAM	13.47	13.61	13.47	15.00	
100		LOW	64QAM	13.57	13.44	13.43	15.00	

LTE B7-DSI8&9&10 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	9.07	8.98	8.88	10.50	
		MID	QPSK	8.98	8.85	8.91	10.50	
		HIGH	QPSK	9.12	9.05	9.16	10.50	
	12	LOW	QPSK	8.98	8.95	8.98	10.50	
		MID	QPSK	9.09	9.05	9.03	10.50	
		HIGH	QPSK	9.00	8.87	9.09	10.50	
	25	LOW	QPSK	8.86	8.82	8.78	10.50	
	5	1	LOW	Q16	8.98	8.97	9.03	10.50
			MID	Q16	9.17	8.82	9.06	10.50
HIGH			Q16	9.12	9.09	8.91	10.50	
12		LOW	Q16	9.13	9.26	9.14	10.50	
		MID	Q16	8.99	9.08	9.15	10.50	
		HIGH	Q16	9.04	8.82	8.81	10.50	
25		LOW	Q16	9.03	9.01	9.03	10.50	
5		1	LOW	64QAM	8.94	9.10	8.91	10.50
			MID	64QAM	9.10	9.08	9.20	10.50
	HIGH		64QAM	9.19	8.97	9.09	10.50	
	12	LOW	64QAM	9.13	9.06	8.94	10.50	
		MID	64QAM	8.77	8.87	8.97	10.50	
		HIGH	64QAM	8.95	8.98	8.92	10.50	
	25	LOW	64QAM	8.89	9.23	9.10	10.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	8.97	8.96	8.97	10.50
MID			QPSK	8.77	8.84	9.11	10.50	
HIGH			QPSK	9.08	8.99	9.00	10.50	
25		LOW	QPSK	8.97	9.00	9.01	10.50	
		MID	QPSK	9.09	9.01	8.99	10.50	
		HIGH	QPSK	8.85	9.07	9.03	10.50	
50		LOW	QPSK	8.99	8.90	8.87	10.50	
10		1	LOW	Q16	8.88	9.00	9.07	10.50
			MID	Q16	9.26	8.86	8.89	10.50
	HIGH		Q16	9.00	8.99	8.72	10.50	
	25	LOW	Q16	9.11	9.14	9.22	10.50	
		MID	Q16	9.09	9.19	9.20	10.50	
		HIGH	Q16	9.29	9.03	8.97	10.50	
	50	LOW	Q16	9.08	8.88	8.99	10.50	
	10	1	LOW	64QAM	8.72	8.89	9.08	10.50
			MID	64QAM	8.95	9.00	9.13	10.50
HIGH			64QAM	9.12	8.92	9.22	10.50	
25		LOW	64QAM	8.99	9.06	8.93	10.50	
		MID	64QAM	8.75	8.87	9.07	10.50	
		HIGH	64QAM	9.04	8.87	8.79	10.50	
50		LOW	64QAM	8.98	9.06	9.05	10.50	

LTE B7-DSI8&9&10 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	8.96	9.11	8.78	10.50	
		MID	QPSK	8.81	8.82	8.99	10.50	
		HIGH	QPSK	9.17	8.99	8.93	10.50	
	36	LOW	QPSK	8.99	8.99	9.01	10.50	
		MID	QPSK	9.09	8.79	9.12	10.50	
		HIGH	QPSK	8.82	9.04	8.96	10.50	
	75	LOW	QPSK	8.91	8.81	9.04	10.50	
	15	1	LOW	Q16	8.97	9.04	9.19	10.50
			MID	Q16	9.21	8.99	8.91	10.50
HIGH			Q16	9.25	9.08	8.85	10.50	
36		LOW	Q16	9.17	9.09	9.24	10.50	
		MID	Q16	8.89	9.04	8.95	10.50	
		HIGH	Q16	9.04	8.91	8.77	10.50	
75		LOW	Q16	9.08	9.03	8.85	10.50	
15		1	LOW	64QAM	8.70	9.00	9.14	10.50
			MID	64QAM	8.87	9.11	9.09	10.50
	HIGH		64QAM	9.10	8.78	9.05	10.50	
	36	LOW	64QAM	8.94	9.06	8.92	10.50	
		MID	64QAM	8.87	8.84	8.91	10.50	
		HIGH	64QAM	8.89	9.15	8.96	10.50	
	75	LOW	64QAM	9.11	9.27	8.94	10.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	9.09	9.07	8.87	10.50
MID			QPSK	8.89	8.96	9.05	10.50	
HIGH			QPSK	9.09	8.95	9.06	10.50	
50		LOW	QPSK	8.94	8.85	8.87	10.50	
		MID	QPSK	9.01	8.91	8.99	10.50	
		HIGH	QPSK	8.96	8.97	9.00	10.50	
100		LOW	QPSK	8.85	8.91	8.92	10.50	
20		1	LOW	Q16	8.92	8.94	9.12	10.50
			MID	Q16	9.14	8.96	9.00	10.50
	HIGH		Q16	9.12	9.07	8.85	10.50	
	50	LOW	Q16	9.10	9.11	9.15	10.50	
		MID	Q16	9.02	9.10	9.10	10.50	
		HIGH	Q16	9.15	8.95	8.85	10.50	
	100	LOW	Q16	9.14	8.89	8.92	10.50	
	20	1	LOW	64QAM	8.85	8.99	9.02	10.50
			MID	64QAM	8.95	9.07	9.14	10.50
HIGH			64QAM	9.09	8.89	9.11	10.50	
50		LOW	64QAM	9.08	9.10	8.96	10.50	
		MID	64QAM	8.89	8.99	9.04	10.50	
		HIGH	64QAM	8.92	9.02	8.93	10.50	
100		LOW	64QAM	9.04	9.12	9.01	10.50	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.53	22.32	22.47	24.00	
		MID	QPSK	22.30	22.70	22.62	24.00	
		HIGH	QPSK	22.43	22.51	22.45	24.00	
	12	LOW	QPSK	21.36	21.62	21.52	23.00	
		MID	QPSK	21.56	21.46	21.66	23.00	
		HIGH	QPSK	21.35	21.63	21.61	23.00	
	25	LOW	QPSK	21.50	21.45	21.65	23.00	
	5	1	LOW	Q16	21.51	21.90	21.54	23.00
			MID	Q16	21.80	21.97	21.76	23.00
HIGH			Q16	21.78	21.79	21.90	23.00	
12		LOW	Q16	20.21	20.39	20.47	22.00	
		MID	Q16	20.55	20.38	20.60	22.00	
		HIGH	Q16	20.41	20.71	20.62	22.00	
25		LOW	Q16	20.42	20.59	20.61	22.00	
5		1	LOW	64QAM	20.56	20.78	20.42	22.00
			MID	64QAM	20.71	20.86	20.55	22.00
	HIGH		64QAM	20.85	20.66	20.75	22.00	
	12	LOW	64QAM	19.56	19.68	19.59	21.00	
		MID	64QAM	19.41	19.54	19.67	21.00	
		HIGH	64QAM	19.50	19.66	19.76	21.00	
	25	LOW	64QAM	19.37	19.57	19.58	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.23	22.43	22.40	24.00
MID			QPSK	22.46	22.62	22.46	24.00	
HIGH			QPSK	22.34	22.55	22.52	24.00	
25		LOW	QPSK	21.26	21.62	21.54	23.00	
		MID	QPSK	21.38	21.38	21.76	23.00	
		HIGH	QPSK	21.46	21.67	21.78	23.00	
50		LOW	QPSK	21.40	21.55	21.65	23.00	
10		1	LOW	Q16	21.72	21.84	21.56	23.00
			MID	Q16	21.80	21.90	21.82	23.00
	HIGH		Q16	21.67	21.91	21.76	23.00	
	25	LOW	Q16	20.32	20.36	20.64	22.00	
		MID	Q16	20.39	20.58	20.76	22.00	
		HIGH	Q16	20.46	20.48	20.65	22.00	
	50	LOW	Q16	20.53	20.38	20.70	22.00	
	10	1	LOW	64QAM	20.55	20.70	20.48	22.00
			MID	64QAM	20.47	21.08	20.71	22.00
HIGH			64QAM	20.63	20.71	20.72	22.00	
25		LOW	64QAM	19.54	19.70	19.31	21.00	
		MID	64QAM	19.40	19.65	19.66	21.00	
		HIGH	64QAM	19.50	19.56	19.83	21.00	
50		LOW	64QAM	19.44	19.55	19.44	21.00	

LTE B7-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.50	22.30	22.44	24.00	
		MID	QPSK	22.37	22.72	22.52	24.00	
		HIGH	QPSK	22.36	22.68	22.47	24.00	
	36	LOW	QPSK	21.44	21.43	21.58	23.00	
		MID	QPSK	21.33	21.35	21.78	23.00	
		HIGH	QPSK	21.27	21.64	21.51	23.00	
	75	LOW	QPSK	21.47	21.53	21.77	23.00	
	15	1	LOW	Q16	21.48	21.88	21.60	23.00
			MID	Q16	21.82	22.01	21.88	23.00
HIGH			Q16	21.61	21.95	21.77	23.00	
36		LOW	Q16	20.18	20.63	20.47	22.00	
		MID	Q16	20.33	20.47	20.80	22.00	
		HIGH	Q16	20.45	20.56	20.51	22.00	
75		LOW	Q16	20.41	20.48	20.56	22.00	
15		1	LOW	64QAM	20.80	20.58	20.51	22.00
			MID	64QAM	20.66	21.06	20.63	22.00
	HIGH		64QAM	20.87	20.66	20.78	22.00	
	36	LOW	64QAM	19.44	19.66	19.44	21.00	
		MID	64QAM	19.17	19.45	19.66	21.00	
		HIGH	64QAM	19.28	19.81	19.87	21.00	
	75	LOW	64QAM	19.53	19.62	19.32	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.38	22.44	22.51	24.00
MID			QPSK	22.42	22.66	22.59	24.00	
HIGH			QPSK	22.43	22.58	22.57	24.00	
50		LOW	QPSK	21.36	21.47	21.55	23.00	
		MID	QPSK	21.42	21.50	21.65	23.00	
		HIGH	QPSK	21.42	21.56	21.64	23.00	
100		LOW	QPSK	21.40	21.47	21.66	23.00	
20		1	LOW	Q16	21.57	21.77	21.67	23.00
			MID	Q16	21.73	21.86	21.79	23.00
	HIGH		Q16	21.68	21.80	21.84	23.00	
	50	LOW	Q16	20.30	20.49	20.56	22.00	
		MID	Q16	20.41	20.53	20.68	22.00	
		HIGH	Q16	20.43	20.58	20.66	22.00	
	100	LOW	Q16	20.38	20.46	20.62	22.00	
	20	1	LOW	64QAM	20.67	20.70	20.52	22.00
			MID	64QAM	20.60	20.93	20.65	22.00
HIGH			64QAM	20.78	20.78	20.69	22.00	
50		LOW	64QAM	19.44	19.57	19.44	21.00	
		MID	64QAM	19.27	19.57	19.81	21.00	
		HIGH	64QAM	19.36	19.71	19.73	21.00	
100		LOW	64QAM	19.52	19.56	19.47	21.00	

LTE B7-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.53	22.32	22.47	24.00	
		MID	QPSK	22.30	22.70	22.62	24.00	
		HIGH	QPSK	22.43	22.51	22.45	24.00	
	12	LOW	QPSK	21.36	21.62	21.52	23.00	
		MID	QPSK	21.56	21.46	21.66	23.00	
		HIGH	QPSK	21.35	21.63	21.61	23.00	
	25	LOW	QPSK	21.50	21.45	21.65	23.00	
	5	1	LOW	Q16	21.51	21.90	21.54	23.00
			MID	Q16	21.80	21.97	21.76	23.00
HIGH			Q16	21.78	21.79	21.90	23.00	
12		LOW	Q16	20.21	20.39	20.47	22.00	
		MID	Q16	20.55	20.38	20.60	22.00	
		HIGH	Q16	20.41	20.71	20.62	22.00	
25		LOW	Q16	20.42	20.59	20.61	22.00	
5		1	LOW	64QAM	20.56	20.78	20.42	22.00
			MID	64QAM	20.71	20.86	20.55	22.00
	HIGH		64QAM	20.85	20.66	20.75	22.00	
	12	LOW	64QAM	19.56	19.68	19.59	21.00	
		MID	64QAM	19.41	19.54	19.67	21.00	
		HIGH	64QAM	19.50	19.66	19.76	21.00	
	25	LOW	64QAM	19.37	19.57	19.58	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.23	22.43	22.40	24.00
MID			QPSK	22.46	22.62	22.46	24.00	
HIGH			QPSK	22.34	22.55	22.52	24.00	
25		LOW	QPSK	21.26	21.62	21.54	23.00	
		MID	QPSK	21.38	21.38	21.76	23.00	
		HIGH	QPSK	21.46	21.67	21.78	23.00	
50		LOW	QPSK	21.40	21.55	21.65	23.00	
10		1	LOW	Q16	21.72	21.84	21.56	23.00
			MID	Q16	21.80	21.90	21.82	23.00
	HIGH		Q16	21.67	21.91	21.76	23.00	
	25	LOW	Q16	20.32	20.36	20.64	22.00	
		MID	Q16	20.39	20.58	20.76	22.00	
		HIGH	Q16	20.46	20.48	20.65	22.00	
	50	LOW	Q16	20.53	20.38	20.70	22.00	
	10	1	LOW	64QAM	20.55	20.70	20.48	22.00
			MID	64QAM	20.47	21.08	20.71	22.00
HIGH			64QAM	20.63	20.71	20.72	22.00	
25		LOW	64QAM	19.54	19.70	19.31	21.00	
		MID	64QAM	19.40	19.65	19.66	21.00	
		HIGH	64QAM	19.50	19.56	19.83	21.00	
50		LOW	64QAM	19.44	19.55	19.44	21.00	

LTE B7-DSI2&3 -Ant.31								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.50	22.30	22.44	24.00	
		MID	QPSK	22.37	22.72	22.52	24.00	
		HIGH	QPSK	22.36	22.68	22.47	24.00	
	36	LOW	QPSK	21.44	21.43	21.58	23.00	
		MID	QPSK	21.33	21.35	21.78	23.00	
		HIGH	QPSK	21.27	21.64	21.51	23.00	
	75	LOW	QPSK	21.47	21.53	21.77	23.00	
	15	1	LOW	Q16	21.48	21.88	21.60	23.00
			MID	Q16	21.82	22.01	21.88	23.00
HIGH			Q16	21.61	21.95	21.77	23.00	
36		LOW	Q16	20.18	20.63	20.47	22.00	
		MID	Q16	20.33	20.47	20.80	22.00	
		HIGH	Q16	20.45	20.56	20.51	22.00	
75		LOW	Q16	20.41	20.48	20.56	22.00	
15		1	LOW	64QAM	20.80	20.58	20.51	22.00
			MID	64QAM	20.66	21.06	20.63	22.00
	HIGH		64QAM	20.87	20.66	20.78	22.00	
	36	LOW	64QAM	19.44	19.66	19.44	21.00	
		MID	64QAM	19.17	19.45	19.66	21.00	
		HIGH	64QAM	19.28	19.81	19.87	21.00	
	75	LOW	64QAM	19.53	19.62	19.32	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.38	22.44	22.51	24.00
MID			QPSK	22.42	22.66	22.59	24.00	
HIGH			QPSK	22.43	22.58	22.57	24.00	
50		LOW	QPSK	21.36	21.47	21.55	23.00	
		MID	QPSK	21.42	21.50	21.65	23.00	
		HIGH	QPSK	21.42	21.56	21.64	23.00	
100		LOW	QPSK	21.40	21.47	21.66	23.00	
20		1	LOW	Q16	21.57	21.77	21.67	23.00
			MID	Q16	21.73	21.86	21.79	23.00
	HIGH		Q16	21.68	21.80	21.84	23.00	
	50	LOW	Q16	20.30	20.49	20.56	22.00	
		MID	Q16	20.41	20.53	20.68	22.00	
		HIGH	Q16	20.43	20.58	20.66	22.00	
	100	LOW	Q16	20.38	20.46	20.62	22.00	
	20	1	LOW	64QAM	20.67	20.70	20.52	22.00
			MID	64QAM	20.60	20.93	20.65	22.00
HIGH			64QAM	20.78	20.78	20.69	22.00	
50		LOW	64QAM	19.44	19.57	19.44	21.00	
		MID	64QAM	19.27	19.57	19.81	21.00	
		HIGH	64QAM	19.36	19.71	19.73	21.00	
100		LOW	64QAM	19.52	19.56	19.47	21.00	

LTE B7-DSI4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.26	20.42	20.45	22.00	
		MID	QPSK	20.59	20.65	20.55	22.00	
		HIGH	QPSK	20.56	20.53	20.79	22.00	
	12	LOW	QPSK	20.23	20.62	20.78	22.00	
		MID	QPSK	20.52	20.60	20.75	22.00	
		HIGH	QPSK	20.57	20.67	20.71	22.00	
	25	LOW	QPSK	20.50	20.68	20.58	22.00	
	5	1	LOW	Q16	20.60	20.57	20.69	22.00
			MID	Q16	20.91	20.91	21.03	22.00
HIGH			Q16	20.56	20.57	20.98	22.00	
12		LOW	Q16	20.50	20.65	20.53	22.00	
		MID	Q16	20.34	20.47	20.75	22.00	
		HIGH	Q16	20.29	20.79	20.71	22.00	
25		LOW	Q16	20.30	20.49	20.80	22.00	
5		1	LOW	64QAM	20.71	20.44	20.97	22.00
			MID	64QAM	21.06	20.98	21.07	22.00
	HIGH		64QAM	20.96	20.72	20.90	22.00	
	12	LOW	64QAM	19.39	19.48	19.60	21.00	
		MID	64QAM	19.52	19.47	19.50	21.00	
		HIGH	64QAM	19.66	19.82	19.52	21.00	
	25	LOW	64QAM	19.36	19.58	19.48	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.21	20.62	20.68	22.00
MID			QPSK	20.33	20.64	20.73	22.00	
HIGH			QPSK	20.42	20.41	20.67	22.00	
25		LOW	QPSK	20.29	20.37	20.60	22.00	
		MID	QPSK	20.37	20.70	20.73	22.00	
		HIGH	QPSK	20.46	20.59	20.69	22.00	
50		LOW	QPSK	20.55	20.57	20.64	22.00	
10		1	LOW	Q16	20.76	20.68	20.68	22.00
			MID	Q16	20.76	20.88	21.08	22.00
	HIGH		Q16	20.58	20.81	20.90	22.00	
	25	LOW	Q16	20.30	20.57	20.68	22.00	
		MID	Q16	20.38	20.43	20.81	22.00	
		HIGH	Q16	20.48	20.62	20.73	22.00	
	50	LOW	Q16	20.48	20.60	20.68	22.00	
	10	1	LOW	64QAM	20.66	20.66	20.73	22.00
			MID	64QAM	20.79	20.82	20.86	22.00
HIGH			64QAM	20.88	20.60	20.89	22.00	
25		LOW	64QAM	19.47	19.34	19.65	21.00	
		MID	64QAM	19.32	19.47	19.59	21.00	
		HIGH	64QAM	19.46	19.68	19.55	21.00	
50		LOW	64QAM	19.28	19.60	19.44	21.00	



LTE B7-DSI4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.45	20.54	20.57	22.00	
		MID	QPSK	20.46	20.74	20.66	22.00	
		HIGH	QPSK	20.35	20.63	20.53	22.00	
	36	LOW	QPSK	20.37	20.43	20.52	22.00	
		MID	QPSK	20.34	20.69	20.73	22.00	
		HIGH	QPSK	20.45	20.63	20.68	22.00	
	75	LOW	QPSK	20.62	20.46	20.86	22.00	
	15	1	LOW	Q16	20.56	20.67	20.83	22.00
			MID	Q16	20.69	20.67	20.96	22.00
HIGH			Q16	20.66	20.59	20.96	22.00	
36		LOW	Q16	20.43	20.52	20.61	22.00	
		MID	Q16	20.53	20.56	20.83	22.00	
		HIGH	Q16	20.40	20.69	20.57	22.00	
75		LOW	Q16	20.51	20.42	20.67	22.00	
15		1	LOW	64QAM	20.80	20.66	20.71	22.00
			MID	64QAM	20.87	20.87	21.03	22.00
	HIGH		64QAM	20.70	20.58	20.91	22.00	
	36	LOW	64QAM	19.60	19.57	19.53	21.00	
		MID	64QAM	19.59	19.45	19.68	21.00	
		HIGH	64QAM	19.66	19.63	19.66	21.00	
	75	LOW	64QAM	19.44	19.50	19.64	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.35	20.49	20.56	22.00
MID			QPSK	20.44	20.59	20.64	22.00	
HIGH			QPSK	20.43	20.56	20.67	22.00	
50		LOW	QPSK	20.38	20.52	20.65	22.00	
		MID	QPSK	20.49	20.55	20.72	22.00	
		HIGH	QPSK	20.49	20.63	20.70	22.00	
100		LOW	QPSK	20.48	20.53	20.72	22.00	
20		1	LOW	Q16	20.62	20.59	20.75	22.00
			MID	Q16	20.81	20.80	20.95	22.00
	HIGH		Q16	20.66	20.72	20.96	22.00	
	50	LOW	Q16	20.37	20.50	20.57	22.00	
		MID	Q16	20.47	20.54	20.71	22.00	
		HIGH	Q16	20.44	20.64	20.69	22.00	
	100	LOW	Q16	20.45	20.54	20.69	22.00	
	20	1	LOW	64QAM	20.66	20.57	20.85	22.00
			MID	64QAM	20.93	20.83	21.00	22.00
HIGH			64QAM	20.81	20.67	20.81	22.00	
50		LOW	64QAM	19.47	19.47	19.67	21.00	
		MID	64QAM	19.45	19.53	19.64	21.00	
		HIGH	64QAM	19.53	19.74	19.64	21.00	
100		LOW	64QAM	19.40	19.57	19.55	21.00	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.64	22.65	22.75	24.00	
		MID	QPSK	22.84	22.92	22.69	24.00	
		HIGH	QPSK	22.73	22.58	22.72	24.00	
	12	LOW	QPSK	21.50	21.71	21.61	23.00	
		MID	QPSK	21.77	21.52	21.39	23.00	
		HIGH	QPSK	21.88	21.65	21.44	23.00	
	25	LOW	QPSK	22.18	21.80	22.02	23.00	
	5	1	LOW	Q16	21.97	21.85	21.98	23.00
			MID	Q16	22.16	22.10	21.92	23.00
HIGH			Q16	21.70	21.99	21.86	23.00	
12		LOW	Q16	20.59	20.78	20.67	22.00	
		MID	Q16	20.70	20.74	20.73	22.00	
		HIGH	Q16	20.99	20.72	20.65	22.00	
25		LOW	Q16	20.75	20.58	20.91	22.00	
5		1	LOW	64QAM	20.56	20.60	20.62	22.00
			MID	64QAM	20.63	20.79	20.58	22.00
	HIGH		64QAM	20.78	20.64	20.62	22.00	
	12	LOW	64QAM	19.95	19.80	19.65	21.00	
		MID	64QAM	19.86	19.79	19.87	21.00	
		HIGH	64QAM	19.87	19.51	19.78	21.00	
	25	LOW	64QAM	19.54	19.63	19.83	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.76	22.60	22.74	24.00
MID			QPSK	22.60	22.86	22.71	24.00	
HIGH			QPSK	22.64	22.75	22.54	24.00	
25		LOW	QPSK	21.67	21.82	21.46	23.00	
		MID	QPSK	21.93	21.44	21.54	23.00	
		HIGH	QPSK	21.92	21.87	21.41	23.00	
50		LOW	QPSK	21.92	21.86	21.96	23.00	
10		1	LOW	Q16	21.92	21.79	22.13	23.00
			MID	Q16	22.15	22.06	21.91	23.00
	HIGH		Q16	21.70	22.05	21.66	23.00	
	25	LOW	Q16	20.64	20.72	20.68	22.00	
		MID	Q16	20.69	20.62	20.80	22.00	
		HIGH	Q16	20.74	20.62	20.67	22.00	
	50	LOW	Q16	20.63	20.64	20.71	22.00	
	10	1	LOW	64QAM	20.59	20.52	20.69	22.00
			MID	64QAM	20.55	20.60	20.77	22.00
HIGH			64QAM	20.72	20.49	20.72	22.00	
25		LOW	64QAM	19.91	19.62	19.72	21.00	
		MID	64QAM	19.79	19.83	19.79	21.00	
		HIGH	64QAM	19.64	19.39	19.63	21.00	
50		LOW	64QAM	19.56	19.64	19.89	21.00	

LTE B7-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.68	22.59	22.67	24.00	
		MID	QPSK	22.84	22.73	22.70	24.00	
		HIGH	QPSK	22.63	22.60	22.62	24.00	
	36	LOW	QPSK	21.68	21.82	21.57	23.00	
		MID	QPSK	21.92	21.61	21.68	23.00	
		HIGH	QPSK	21.87	21.82	21.55	23.00	
	75	LOW	QPSK	21.99	21.77	21.82	23.00	
	15	1	LOW	Q16	21.78	21.90	21.95	23.00
			MID	Q16	22.15	21.94	21.82	23.00
HIGH			Q16	21.80	22.02	21.81	23.00	
36		LOW	Q16	20.59	20.64	20.77	22.00	
		MID	Q16	20.77	20.87	20.66	22.00	
		HIGH	Q16	20.93	20.84	20.64	22.00	
75		LOW	Q16	20.73	20.64	20.93	22.00	
15		1	LOW	64QAM	20.67	20.55	20.48	22.00
			MID	64QAM	20.53	20.82	20.74	22.00
	HIGH		64QAM	20.89	20.64	20.58	22.00	
	36	LOW	64QAM	19.92	19.71	19.63	21.00	
		MID	64QAM	19.85	19.83	19.68	21.00	
		HIGH	64QAM	19.64	19.50	19.83	21.00	
	75	LOW	64QAM	19.43	19.92	19.79	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.64	22.70	22.81	24.00
MID			QPSK	22.73	22.79	22.69	24.00	
HIGH			QPSK	22.65	22.69	22.64	24.00	
50		LOW	QPSK	21.59	21.74	21.61	23.00	
		MID	QPSK	21.92	21.58	21.54	23.00	
		HIGH	QPSK	21.81	21.74	21.56	23.00	
100		LOW	QPSK	22.07	21.88	21.87	23.00	
20		1	LOW	Q16	21.83	21.92	22.07	23.00
			MID	Q16	22.09	21.97	21.85	23.00
	HIGH		Q16	21.73	21.99	21.81	23.00	
	50	LOW	Q16	20.63	20.74	20.81	22.00	
		MID	Q16	20.81	20.77	20.79	22.00	
		HIGH	Q16	20.87	20.72	20.60	22.00	
	100	LOW	Q16	20.70	20.56	20.82	22.00	
	20	1	LOW	64QAM	20.64	20.62	20.59	22.00
			MID	64QAM	20.64	20.74	20.72	22.00
HIGH			64QAM	20.82	20.51	20.58	22.00	
50		LOW	64QAM	19.82	19.73	19.75	21.00	
		MID	64QAM	19.82	19.88	19.73	21.00	
		HIGH	64QAM	19.75	19.53	19.75	21.00	
100		LOW	64QAM	19.56	19.77	19.79	21.00	

LTE B7-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.64	22.65	22.75	24.00	
		MID	QPSK	22.84	22.92	22.69	24.00	
		HIGH	QPSK	22.73	22.58	22.72	24.00	
	12	LOW	QPSK	21.50	21.71	21.61	23.00	
		MID	QPSK	21.77	21.52	21.39	23.00	
		HIGH	QPSK	21.88	21.65	21.44	23.00	
	25	LOW	QPSK	22.18	21.80	22.02	23.00	
	5	1	LOW	Q16	21.97	21.85	21.98	23.00
			MID	Q16	22.16	22.10	21.92	23.00
HIGH			Q16	21.70	21.99	21.86	23.00	
12		LOW	Q16	20.59	20.78	20.67	22.00	
		MID	Q16	20.70	20.74	20.73	22.00	
		HIGH	Q16	20.99	20.72	20.65	22.00	
25		LOW	Q16	20.75	20.58	20.91	22.00	
5		1	LOW	64QAM	20.56	20.60	20.62	22.00
			MID	64QAM	20.63	20.79	20.58	22.00
	HIGH		64QAM	20.78	20.64	20.62	22.00	
	12	LOW	64QAM	19.95	19.80	19.65	21.00	
		MID	64QAM	19.86	19.79	19.87	21.00	
		HIGH	64QAM	19.87	19.51	19.78	21.00	
	25	LOW	64QAM	19.54	19.63	19.83	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.76	22.60	22.74	24.00
MID			QPSK	22.60	22.86	22.71	24.00	
HIGH			QPSK	22.64	22.75	22.54	24.00	
25		LOW	QPSK	21.67	21.82	21.46	23.00	
		MID	QPSK	21.93	21.44	21.54	23.00	
		HIGH	QPSK	21.92	21.87	21.41	23.00	
50		LOW	QPSK	21.92	21.86	21.96	23.00	
10		1	LOW	Q16	21.92	21.79	22.13	23.00
			MID	Q16	22.15	22.06	21.91	23.00
	HIGH		Q16	21.70	22.05	21.66	23.00	
	25	LOW	Q16	20.64	20.72	20.68	22.00	
		MID	Q16	20.69	20.62	20.80	22.00	
		HIGH	Q16	20.74	20.62	20.67	22.00	
	50	LOW	Q16	20.63	20.64	20.71	22.00	
	10	1	LOW	64QAM	20.59	20.52	20.69	22.00
			MID	64QAM	20.55	20.60	20.77	22.00
HIGH			64QAM	20.72	20.49	20.72	22.00	
25		LOW	64QAM	19.91	19.62	19.72	21.00	
		MID	64QAM	19.79	19.83	19.79	21.00	
		HIGH	64QAM	19.64	19.39	19.63	21.00	
50		LOW	64QAM	19.56	19.64	19.89	21.00	

LTE B7-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.68	22.59	22.67	24.00	
		MID	QPSK	22.84	22.73	22.70	24.00	
		HIGH	QPSK	22.63	22.60	22.62	24.00	
	36	LOW	QPSK	21.68	21.82	21.57	23.00	
		MID	QPSK	21.92	21.61	21.68	23.00	
		HIGH	QPSK	21.87	21.82	21.55	23.00	
	75	LOW	QPSK	21.99	21.77	21.82	23.00	
	15	1	LOW	Q16	21.78	21.90	21.95	23.00
			MID	Q16	22.15	21.94	21.82	23.00
HIGH			Q16	21.80	22.02	21.81	23.00	
36		LOW	Q16	20.59	20.64	20.77	22.00	
		MID	Q16	20.77	20.87	20.66	22.00	
		HIGH	Q16	20.93	20.84	20.64	22.00	
75		LOW	Q16	20.73	20.64	20.93	22.00	
15		1	LOW	64QAM	20.67	20.55	20.48	22.00
			MID	64QAM	20.53	20.82	20.74	22.00
	HIGH		64QAM	20.89	20.64	20.58	22.00	
	36	LOW	64QAM	19.92	19.71	19.63	21.00	
		MID	64QAM	19.85	19.83	19.68	21.00	
		HIGH	64QAM	19.64	19.50	19.83	21.00	
	75	LOW	64QAM	19.43	19.92	19.79	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.64	22.70	22.81	24.00
MID			QPSK	22.73	22.79	22.69	24.00	
HIGH			QPSK	22.65	22.69	22.64	24.00	
50		LOW	QPSK	21.59	21.74	21.61	23.00	
		MID	QPSK	21.92	21.58	21.54	23.00	
		HIGH	QPSK	21.81	21.74	21.56	23.00	
100		LOW	QPSK	22.07	21.88	21.87	23.00	
20		1	LOW	Q16	21.83	21.92	22.07	23.00
			MID	Q16	22.09	21.97	21.85	23.00
	HIGH		Q16	21.73	21.99	21.81	23.00	
	50	LOW	Q16	20.63	20.74	20.81	22.00	
		MID	Q16	20.81	20.77	20.79	22.00	
		HIGH	Q16	20.87	20.72	20.60	22.00	
	100	LOW	Q16	20.70	20.56	20.82	22.00	
	20	1	LOW	64QAM	20.64	20.62	20.59	22.00
			MID	64QAM	20.64	20.74	20.72	22.00
HIGH			64QAM	20.82	20.51	20.58	22.00	
50		LOW	64QAM	19.82	19.73	19.75	21.00	
		MID	64QAM	19.82	19.88	19.73	21.00	
		HIGH	64QAM	19.75	19.53	19.75	21.00	
100		LOW	64QAM	19.56	19.77	19.79	21.00	

LTE B7-DSI4&5&8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	21.24	21.13	21.14	22.00	
		MID	QPSK	21.54	21.46	21.19	22.00	
		HIGH	QPSK	20.99	21.27	21.44	22.00	
	12	LOW	QPSK	21.37	21.11	21.03	22.00	
		MID	QPSK	21.31	21.42	21.17	22.00	
		HIGH	QPSK	21.10	21.25	21.20	22.00	
	25	LOW	QPSK	21.29	21.35	21.00	22.00	
	5	1	LOW	Q16	21.16	21.45	21.38	22.00
			MID	Q16	21.56	21.40	21.27	22.00
HIGH			Q16	21.28	21.43	21.33	22.00	
12		LOW	Q16	20.83	20.84	20.94	22.00	
		MID	Q16	20.71	20.54	20.50	22.00	
		HIGH	Q16	20.64	20.52	20.95	22.00	
25		LOW	Q16	20.61	20.91	20.39	22.00	
5		1	LOW	64QAM	20.47	20.72	20.74	22.00
			MID	64QAM	20.54	20.53	20.55	22.00
	HIGH		64QAM	20.44	20.68	20.69	22.00	
	12	LOW	64QAM	19.92	19.83	19.76	21.00	
		MID	64QAM	19.58	19.92	19.45	21.00	
		HIGH	64QAM	19.86	19.88	19.88	21.00	
	25	LOW	64QAM	19.54	19.61	19.69	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	21.17	21.15	21.09	22.00
MID			QPSK	21.54	21.49	21.27	22.00	
HIGH			QPSK	21.26	21.30	21.31	22.00	
25		LOW	QPSK	21.41	21.27	20.95	22.00	
		MID	QPSK	21.19	21.45	21.14	22.00	
		HIGH	QPSK	21.24	21.42	21.18	22.00	
50		LOW	QPSK	21.52	21.21	20.92	22.00	
10		1	LOW	Q16	21.32	21.54	21.65	22.00
			MID	Q16	21.64	21.34	21.33	22.00
	HIGH		Q16	21.08	21.32	21.42	22.00	
	25	LOW	Q16	21.00	20.68	20.97	22.00	
		MID	Q16	20.60	20.56	20.72	22.00	
		HIGH	Q16	20.62	20.47	20.67	22.00	
	50	LOW	Q16	20.60	20.74	20.56	22.00	
	10	1	LOW	64QAM	20.49	20.77	20.71	22.00
			MID	64QAM	20.55	20.65	20.39	22.00
HIGH			64QAM	20.67	20.53	20.44	22.00	
25		LOW	64QAM	19.82	19.68	19.78	21.00	
		MID	64QAM	19.70	19.94	19.54	21.00	
		HIGH	64QAM	19.85	19.91	19.82	21.00	
50		LOW	64QAM	19.66	19.83	19.69	21.00	

LTE B7-DS14&5&8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	21.26	21.23	21.28	22.00	
		MID	QPSK	21.47	21.39	21.14	22.00	
		HIGH	QPSK	21.22	21.10	21.33	22.00	
	36	LOW	QPSK	21.36	21.38	21.07	22.00	
		MID	QPSK	21.29	21.40	21.02	22.00	
		HIGH	QPSK	21.27	21.37	21.21	22.00	
	75	LOW	QPSK	21.24	21.31	21.20	22.00	
	15	1	LOW	Q16	21.28	21.48	21.65	22.00
			MID	Q16	21.62	21.48	21.11	22.00
HIGH			Q16	21.29	21.48	21.32	22.00	
36		LOW	Q16	20.94	20.76	20.90	22.00	
		MID	Q16	20.65	20.58	20.59	22.00	
		HIGH	Q16	20.63	20.53	20.70	22.00	
75		LOW	Q16	20.44	20.94	20.42	22.00	
15		1	LOW	64QAM	20.57	20.76	20.71	22.00
			MID	64QAM	20.39	20.61	20.46	22.00
	HIGH		64QAM	20.58	20.40	20.68	22.00	
	36	LOW	64QAM	19.95	19.66	19.67	21.00	
		MID	64QAM	19.74	19.72	19.55	21.00	
		HIGH	64QAM	19.94	19.95	19.67	21.00	
	75	LOW	64QAM	19.49	19.74	19.53	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	21.13	21.27	21.20	22.00
MID			QPSK	21.43	21.38	21.26	22.00	
HIGH			QPSK	21.11	21.24	21.38	22.00	
50		LOW	QPSK	21.29	21.26	21.10	22.00	
		MID	QPSK	21.29	21.45	21.09	22.00	
		HIGH	QPSK	21.16	21.29	21.13	22.00	
100		LOW	QPSK	21.39	21.23	21.05	22.00	
20		1	LOW	Q16	21.23	21.40	21.53	22.00
			MID	Q16	21.60	21.44	21.20	22.00
	HIGH		Q16	21.22	21.33	21.43	22.00	
	50	LOW	Q16	20.88	20.69	20.86	22.00	
		MID	Q16	20.69	20.55	20.61	22.00	
		HIGH	Q16	20.72	20.61	20.81	22.00	
	100	LOW	Q16	20.50	20.82	20.50	22.00	
	20	1	LOW	64QAM	20.51	20.62	20.70	22.00
			MID	64QAM	20.42	20.56	20.48	22.00
HIGH			64QAM	20.54	20.54	20.55	22.00	
50		LOW	64QAM	19.87	19.69	19.74	21.00	
		MID	64QAM	19.73	19.87	19.49	21.00	
		HIGH	64QAM	19.85	19.87	19.75	21.00	
100		LOW	64QAM	19.59	19.76	19.66	21.00	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.64	22.65	22.75	24.50	
		MID	QPSK	22.84	22.92	22.69	24.50	
		HIGH	QPSK	22.73	22.58	22.72	24.50	
	12	LOW	QPSK	21.50	21.71	21.61	23.50	
		MID	QPSK	21.77	21.52	21.63	23.50	
		HIGH	QPSK	21.88	21.65	21.58	23.50	
	25	LOW	QPSK	22.18	21.80	22.02	23.50	
	5	1	LOW	Q16	21.97	21.85	21.98	23.50
			MID	Q16	22.16	22.10	21.92	23.50
HIGH			Q16	21.70	21.99	21.86	23.50	
12		LOW	Q16	20.59	20.78	20.67	22.50	
		MID	Q16	20.70	20.74	20.73	22.50	
		HIGH	Q16	20.99	20.72	20.65	22.50	
25		LOW	Q16	20.75	20.58	20.91	22.50	
5		1	LOW	64QAM	20.56	20.60	20.62	22.50
			MID	64QAM	20.63	20.79	20.58	22.50
	HIGH		64QAM	20.78	20.64	20.62	22.50	
	12	LOW	64QAM	19.95	19.80	19.65	21.50	
		MID	64QAM	19.86	19.79	19.87	21.50	
		HIGH	64QAM	19.87	19.51	19.78	21.50	
	25	LOW	64QAM	19.54	19.63	19.83	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.76	22.60	22.74	24.50
MID			QPSK	22.60	22.86	22.71	24.50	
HIGH			QPSK	22.64	22.75	22.54	24.50	
25		LOW	QPSK	21.67	21.82	21.56	23.50	
		MID	QPSK	21.93	21.55	21.54	23.50	
		HIGH	QPSK	21.92	21.87	21.53	23.50	
50		LOW	QPSK	21.92	21.86	21.96	23.50	
10		1	LOW	Q16	21.92	21.79	22.13	23.50
			MID	Q16	22.15	22.06	21.91	23.50
	HIGH		Q16	21.70	22.05	21.66	23.50	
	25	LOW	Q16	20.64	20.72	20.68	22.50	
		MID	Q16	20.69	20.62	20.80	22.50	
		HIGH	Q16	20.74	20.62	20.67	22.50	
	50	LOW	Q16	20.63	20.64	20.71	22.50	
	10	1	LOW	64QAM	20.59	20.52	20.69	22.50
			MID	64QAM	20.55	20.60	20.77	22.50
HIGH			64QAM	20.72	20.53	20.72	22.50	
25		LOW	64QAM	19.91	19.62	19.72	21.50	
		MID	64QAM	19.79	19.83	19.79	21.50	
		HIGH	64QAM	19.64	19.52	19.63	21.50	
50		LOW	64QAM	19.56	19.64	19.89	21.50	



LTE B7-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.68	22.59	22.67	24.50	
		MID	QPSK	22.84	22.73	22.70	24.50	
		HIGH	QPSK	22.63	22.60	22.62	24.50	
	36	LOW	QPSK	21.68	21.82	21.57	23.50	
		MID	QPSK	21.92	21.61	21.68	23.50	
		HIGH	QPSK	21.87	21.82	21.55	23.50	
	75	LOW	QPSK	21.99	21.77	21.82	23.50	
	15	1	LOW	Q16	21.78	21.90	21.95	23.50
			MID	Q16	22.15	21.94	21.82	23.50
HIGH			Q16	21.80	22.02	21.81	23.50	
36		LOW	Q16	20.59	20.64	20.77	22.50	
		MID	Q16	20.77	20.87	20.66	22.50	
		HIGH	Q16	20.93	20.84	20.64	22.50	
75		LOW	Q16	20.73	20.64	20.93	22.50	
15		1	LOW	64QAM	20.67	20.55	20.51	22.50
			MID	64QAM	20.53	20.82	20.74	22.50
	HIGH		64QAM	20.89	20.64	20.58	22.50	
	36	LOW	64QAM	19.92	19.71	19.63	21.50	
		MID	64QAM	19.85	19.83	19.68	21.50	
		HIGH	64QAM	19.64	19.50	19.83	21.50	
	75	LOW	64QAM	19.56	19.92	19.79	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.64	22.70	22.81	24.50
MID			QPSK	22.73	22.79	22.69	24.50	
HIGH			QPSK	22.65	22.69	22.64	24.50	
50		LOW	QPSK	21.59	21.74	21.61	23.50	
		MID	QPSK	21.92	21.58	21.54	23.50	
		HIGH	QPSK	21.81	21.74	21.56	23.50	
100		LOW	QPSK	22.07	21.88	21.87	23.50	
20		1	LOW	Q16	21.83	21.92	22.07	23.50
			MID	Q16	22.09	21.97	21.85	23.50
	HIGH		Q16	21.73	21.99	21.81	23.50	
	50	LOW	Q16	20.63	20.74	20.81	22.50	
		MID	Q16	20.81	20.77	20.79	22.50	
		HIGH	Q16	20.87	20.72	20.60	22.50	
	100	LOW	Q16	20.70	20.56	20.82	22.50	
	20	1	LOW	64QAM	20.64	20.62	20.59	22.50
			MID	64QAM	20.64	20.74	20.72	22.50
HIGH			64QAM	20.82	20.51	20.58	22.50	
50		LOW	64QAM	19.82	19.73	19.75	21.50	
		MID	64QAM	19.82	19.88	19.73	21.50	
		HIGH	64QAM	19.75	19.53	19.75	21.50	
100		LOW	64QAM	19.56	19.77	19.79	21.50	

LTE B7-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.64	22.65	22.75	24.50	
		MID	QPSK	22.84	22.92	22.69	24.50	
		HIGH	QPSK	22.73	22.58	22.72	24.50	
	12	LOW	QPSK	21.50	21.71	21.61	23.50	
		MID	QPSK	21.77	21.52	21.63	23.50	
		HIGH	QPSK	21.88	21.65	21.58	23.50	
	25	LOW	QPSK	22.18	21.80	22.02	23.50	
	5	1	LOW	Q16	21.97	21.85	21.98	23.50
			MID	Q16	22.16	22.10	21.92	23.50
HIGH			Q16	21.70	21.99	21.86	23.50	
12		LOW	Q16	20.59	20.78	20.67	22.50	
		MID	Q16	20.70	20.74	20.73	22.50	
		HIGH	Q16	20.99	20.72	20.65	22.50	
25		LOW	Q16	20.75	20.58	20.91	22.50	
5		1	LOW	64QAM	20.56	20.60	20.62	22.50
			MID	64QAM	20.63	20.79	20.58	22.50
	HIGH		64QAM	20.78	20.64	20.62	22.50	
	12	LOW	64QAM	19.95	19.80	19.65	21.50	
		MID	64QAM	19.86	19.79	19.87	21.50	
		HIGH	64QAM	19.87	19.51	19.78	21.50	
	25	LOW	64QAM	19.54	19.63	19.83	21.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.76	22.60	22.74	24.50
MID			QPSK	22.60	22.86	22.71	24.50	
HIGH			QPSK	22.64	22.75	22.54	24.50	
25		LOW	QPSK	21.67	21.82	21.56	23.50	
		MID	QPSK	21.93	21.55	21.54	23.50	
		HIGH	QPSK	21.92	21.87	21.53	23.50	
50		LOW	QPSK	21.92	21.86	21.96	23.50	
10		1	LOW	Q16	21.92	21.79	22.13	23.50
			MID	Q16	22.15	22.06	21.91	23.50
	HIGH		Q16	21.70	22.05	21.66	23.50	
	25	LOW	Q16	20.64	20.72	20.68	22.50	
		MID	Q16	20.69	20.62	20.80	22.50	
		HIGH	Q16	20.74	20.62	20.67	22.50	
	50	LOW	Q16	20.63	20.64	20.71	22.50	
	10	1	LOW	64QAM	20.59	20.52	20.69	22.50
			MID	64QAM	20.55	20.60	20.77	22.50
HIGH			64QAM	20.72	20.53	20.72	22.50	
25		LOW	64QAM	19.91	19.62	19.72	21.50	
		MID	64QAM	19.79	19.83	19.79	21.50	
		HIGH	64QAM	19.64	19.52	19.63	21.50	
50		LOW	64QAM	19.56	19.64	19.89	21.50	

LTE B7-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.68	22.59	22.67	24.50	
		MID	QPSK	22.84	22.73	22.70	24.50	
		HIGH	QPSK	22.63	22.60	22.62	24.50	
	36	LOW	QPSK	21.68	21.82	21.57	23.50	
		MID	QPSK	21.92	21.61	21.68	23.50	
		HIGH	QPSK	21.87	21.82	21.55	23.50	
	75	LOW	QPSK	21.99	21.77	21.82	23.50	
	15	1	LOW	Q16	21.78	21.90	21.95	23.50
			MID	Q16	22.15	21.94	21.82	23.50
HIGH			Q16	21.80	22.02	21.81	23.50	
36		LOW	Q16	20.59	20.64	20.77	22.50	
		MID	Q16	20.77	20.87	20.66	22.50	
		HIGH	Q16	20.93	20.84	20.64	22.50	
75		LOW	Q16	20.73	20.64	20.93	22.50	
15		1	LOW	64QAM	20.67	20.55	20.51	22.50
			MID	64QAM	20.53	20.82	20.74	22.50
	HIGH		64QAM	20.89	20.64	20.58	22.50	
	36	LOW	64QAM	19.92	19.71	19.63	21.50	
		MID	64QAM	19.85	19.83	19.68	21.50	
		HIGH	64QAM	19.64	19.50	19.83	21.50	
	75	LOW	64QAM	19.56	19.92	19.79	21.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.64	22.70	22.81	24.50
MID			QPSK	22.73	22.79	22.69	24.50	
HIGH			QPSK	22.65	22.69	22.64	24.50	
50		LOW	QPSK	21.59	21.74	21.61	23.50	
		MID	QPSK	21.92	21.58	21.54	23.50	
		HIGH	QPSK	21.81	21.74	21.56	23.50	
100		LOW	QPSK	22.07	21.88	21.87	23.50	
20		1	LOW	Q16	21.83	21.92	22.07	23.50
			MID	Q16	22.09	21.97	21.85	23.50
	HIGH		Q16	21.73	21.99	21.81	23.50	
	50	LOW	Q16	20.63	20.74	20.81	22.50	
		MID	Q16	20.81	20.77	20.79	22.50	
		HIGH	Q16	20.87	20.72	20.60	22.50	
	100	LOW	Q16	20.70	20.56	20.82	22.50	
	20	1	LOW	64QAM	20.64	20.62	20.59	22.50
			MID	64QAM	20.64	20.74	20.72	22.50
HIGH			64QAM	20.82	20.51	20.58	22.50	
50		LOW	64QAM	19.82	19.73	19.75	21.50	
		MID	64QAM	19.82	19.88	19.73	21.50	
		HIGH	64QAM	19.75	19.53	19.75	21.50	
100		LOW	64QAM	19.56	19.77	19.79	21.50	

LTE B7-DS14&5&8&9&10-Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	21.70	21.69	21.63	22.50	
		MID	QPSK	22.09	21.97	21.75	22.50	
		HIGH	QPSK	21.46	21.80	21.95	22.50	
	12	LOW	QPSK	21.83	21.58	21.54	22.50	
		MID	QPSK	21.85	21.97	21.71	22.50	
		HIGH	QPSK	21.62	21.77	21.73	22.50	
	25	LOW	QPSK	21.76	21.84	21.53	22.50	
	5	1	LOW	Q16	21.65	21.97	21.86	22.50
			MID	Q16	22.04	21.86	21.79	22.50
HIGH			Q16	21.74	21.97	21.84	22.50	
12		LOW	Q16	20.89	20.87	20.95	22.50	
		MID	Q16	20.78	20.60	20.55	22.50	
		HIGH	Q16	20.74	20.54	20.95	22.50	
25		LOW	Q16	20.65	20.98	20.53	22.50	
5		1	LOW	64QAM	20.58	20.74	20.76	22.50
			MID	64QAM	20.59	20.54	20.66	22.50
	HIGH		64QAM	20.53	20.73	20.77	22.50	
	12	LOW	64QAM	19.98	19.93	19.87	21.50	
		MID	64QAM	19.66	19.94	19.51	21.50	
		HIGH	64QAM	19.86	19.93	19.90	21.50	
	25	LOW	64QAM	19.62	19.69	19.72	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	21.68	21.70	21.62	22.50
MID			QPSK	22.04	22.05	21.73	22.50	
HIGH			QPSK	21.77	21.79	21.81	22.50	
25		LOW	QPSK	21.88	21.74	21.46	22.50	
		MID	QPSK	21.67	21.95	21.67	22.50	
		HIGH	QPSK	21.76	21.90	21.73	22.50	
50		LOW	QPSK	22.03	21.71	21.48	22.50	
10		1	LOW	Q16	21.81	22.09	22.15	22.50
			MID	Q16	22.17	21.89	21.87	22.50
	HIGH		Q16	21.55	21.81	21.96	22.50	
	25	LOW	Q16	21.06	20.70	20.99	22.50	
		MID	Q16	20.63	20.60	20.79	22.50	
		HIGH	Q16	20.69	20.55	20.73	22.50	
	50	LOW	Q16	20.66	20.81	20.59	22.50	
	10	1	LOW	64QAM	20.59	20.77	20.80	22.50
			MID	64QAM	20.63	20.70	20.53	22.50
HIGH			64QAM	20.76	20.58	20.51	22.50	
25		LOW	64QAM	19.84	19.68	19.85	21.50	
		MID	64QAM	19.70	20.04	19.57	21.50	
		HIGH	64QAM	19.88	19.94	19.87	21.50	
50		LOW	64QAM	19.73	19.87	19.80	21.50	

LTE B7-DS14&5&8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	21.77	21.75	21.75	22.50	
		MID	QPSK	21.97	21.91	21.70	22.50	
		HIGH	QPSK	21.71	21.56	21.78	22.50	
	36	LOW	QPSK	21.83	21.89	21.60	22.50	
		MID	QPSK	21.77	21.85	21.48	22.50	
		HIGH	QPSK	21.82	21.82	21.76	22.50	
	75	LOW	QPSK	21.69	21.83	21.70	22.50	
	15	1	LOW	Q16	21.76	22.02	22.16	22.50
			MID	Q16	22.17	22.03	21.63	22.50
HIGH			Q16	21.75	22.04	21.78	22.50	
36		LOW	Q16	21.02	20.86	20.95	22.50	
		MID	Q16	20.69	20.62	20.61	22.50	
		HIGH	Q16	20.72	20.63	20.77	22.50	
75		LOW	Q16	20.52	20.95	20.56	22.50	
15		1	LOW	64QAM	20.58	20.82	20.80	22.50
			MID	64QAM	20.53	20.68	20.51	22.50
	HIGH		64QAM	20.67	20.52	20.74	22.50	
	36	LOW	64QAM	19.98	19.70	19.75	21.50	
		MID	64QAM	19.75	19.82	19.62	21.50	
		HIGH	64QAM	19.99	20.01	19.73	21.50	
	75	LOW	64QAM	19.50	19.74	19.59	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	21.59	21.78	21.75	22.50
MID			QPSK	21.88	21.91	21.79	22.50	
HIGH			QPSK	21.67	21.75	21.91	22.50	
50		LOW	QPSK	21.77	21.72	21.60	22.50	
		MID	QPSK	21.83	22.00	21.62	22.50	
		HIGH	QPSK	21.69	21.82	21.63	22.50	
100		LOW	QPSK	21.92	21.72	21.54	22.50	
20		1	LOW	Q16	21.70	21.96	22.01	22.50
			MID	Q16	22.10	21.95	21.69	22.50
	HIGH		Q16	21.69	21.80	21.93	22.50	
	50	LOW	Q16	20.97	20.71	20.86	22.50	
		MID	Q16	20.69	20.63	20.62	22.50	
		HIGH	Q16	20.81	20.68	20.85	22.50	
	100	LOW	Q16	20.59	20.89	20.56	22.50	
	20	1	LOW	64QAM	20.52	20.73	20.79	22.50
			MID	64QAM	20.50	20.61	20.54	22.50
HIGH			64QAM	20.55	20.57	20.58	22.50	
50		LOW	64QAM	19.90	19.77	19.85	21.50	
		MID	64QAM	19.81	19.87	19.50	21.50	
		HIGH	64QAM	19.90	19.94	19.76	21.50	
100		LOW	64QAM	19.66	19.79	19.74	21.50	

## 8.3.4 LTE Band7 Output Power(UL Inter CA)

LTE B7-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.82	21.15	21.14	22.50	
		MID	QPSK	21.02	20.89	20.94	22.50	
		HIGH	QPSK	20.76	20.93	21.22	22.50	
	12	LOW	QPSK	20.08	20.08	19.96	21.50	
		MID	QPSK	20.26	20.03	20.04	21.50	
		HIGH	QPSK	20.16	19.89	19.95	21.50	
	25	LOW	QPSK	20.18	20.05	19.96	21.50	
	5	1	LOW	Q16	19.98	19.82	20.12	21.50
			MID	Q16	20.17	20.03	19.94	21.50
HIGH			Q16	19.92	19.97	19.99	21.50	
12		LOW	Q16	19.09	19.02	19.04	20.50	
		MID	Q16	19.11	19.00	18.93	20.50	
		HIGH	Q16	18.76	18.92	18.94	20.50	
25		LOW	Q16	18.98	18.96	18.88	20.50	
5		1	LOW	64QAM	18.85	18.93	19.11	20.50
			MID	64QAM	19.21	18.98	18.88	20.50
	HIGH		64QAM	19.06	19.05	19.16	20.50	
	12	LOW	64QAM	18.22	18.24	17.92	19.50	
		MID	64QAM	17.97	17.84	18.15	19.50	
		HIGH	64QAM	18.08	17.86	17.89	19.50	
	25	LOW	64QAM	17.89	17.88	17.83	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.91	21.04	21.22	22.50
MID			QPSK	20.90	20.90	21.00	22.50	
HIGH			QPSK	20.87	20.87	21.20	22.50	
25		LOW	QPSK	20.05	20.07	20.00	21.50	
		MID	QPSK	20.14	19.96	20.14	21.50	
		HIGH	QPSK	20.07	19.89	20.19	21.50	
50		LOW	QPSK	20.07	20.04	20.20	21.50	
10		1	LOW	Q16	19.97	19.87	19.99	21.50
			MID	Q16	19.97	19.91	19.99	21.50
	HIGH		Q16	19.87	20.07	19.92	21.50	
	25	LOW	Q16	19.08	18.89	19.02	20.50	
		MID	Q16	18.88	19.08	18.94	20.50	
		HIGH	Q16	18.90	18.86	18.90	20.50	
	50	LOW	Q16	19.08	19.11	18.93	20.50	
	10	1	LOW	64QAM	18.99	18.71	19.03	20.50
			MID	64QAM	19.27	18.94	19.00	20.50
HIGH			64QAM	19.13	19.13	19.01	20.50	
25		LOW	64QAM	18.09	18.23	18.06	19.50	
		MID	64QAM	17.99	17.87	18.25	19.50	
		HIGH	64QAM	18.01	17.85	17.96	19.50	
50		LOW	64QAM	18.03	18.02	17.90	19.50	

LTE B7-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.81	20.89	21.20	22.50	
		MID	QPSK	21.05	21.05	20.98	22.50	
		HIGH	QPSK	20.77	21.08	21.19	22.50	
	36	LOW	QPSK	19.89	20.00	20.07	21.50	
		MID	QPSK	19.98	20.06	20.10	21.50	
		HIGH	QPSK	20.03	20.08	19.99	21.50	
	75	LOW	QPSK	20.23	19.81	20.12	21.50	
	15	1	LOW	Q16	19.96	19.92	20.00	21.50
			MID	Q16	20.08	19.91	19.95	21.50
HIGH			Q16	19.75	19.82	19.93	21.50	
36		LOW	Q16	19.16	19.09	19.02	20.50	
		MID	Q16	18.95	19.16	19.04	20.50	
		HIGH	Q16	18.75	18.97	18.91	20.50	
75		LOW	Q16	18.95	19.11	19.02	20.50	
15		1	LOW	64QAM	18.88	18.94	19.18	20.50
			MID	64QAM	19.26	19.06	18.89	20.50
	HIGH		64QAM	18.95	19.05	19.19	20.50	
	36	LOW	64QAM	17.92	18.02	18.06	19.50	
		MID	64QAM	18.02	17.84	18.25	19.50	
		HIGH	64QAM	17.92	17.90	18.01	19.50	
	75	LOW	64QAM	17.79	17.94	18.06	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.93	21.02	21.09	22.50
MID			QPSK	21.04	20.99	20.85	22.50	
HIGH			QPSK	20.87	20.96	21.12	22.50	
50		LOW	QPSK	20.04	19.98	19.92	21.50	
		MID	QPSK	20.13	20.05	20.03	21.50	
		HIGH	QPSK	20.13	20.01	20.06	21.50	
100		LOW	QPSK	20.09	19.94	20.05	21.50	
20		1	LOW	Q16	20.05	19.95	20.07	21.50
			MID	Q16	20.08	20.00	19.96	21.50
	HIGH		Q16	19.89	19.92	19.93	21.50	
	50	LOW	Q16	19.05	19.01	18.92	20.50	
		MID	Q16	19.03	19.11	19.08	20.50	
		HIGH	Q16	18.88	19.00	19.01	20.50	
	100	LOW	Q16	18.96	19.02	18.95	20.50	
	20	1	LOW	64QAM	18.88	18.85	19.12	20.50
			MID	64QAM	19.14	18.99	18.94	20.50
HIGH			64QAM	19.08	19.12	19.10	20.50	
50		LOW	64QAM	18.07	18.13	17.93	19.50	
		MID	64QAM	17.97	17.85	18.15	19.50	
		HIGH	64QAM	18.02	17.96	17.93	19.50	
100		LOW	64QAM	17.90	17.93	17.92	19.50	

LTE B7-DSI2&3 -Ant.31								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.82	21.15	21.14	22.50	
		MID	QPSK	21.02	20.89	20.94	22.50	
		HIGH	QPSK	20.76	20.93	21.22	22.50	
	12	LOW	QPSK	20.08	20.08	19.96	21.50	
		MID	QPSK	20.26	20.03	20.04	21.50	
		HIGH	QPSK	20.16	19.89	19.95	21.50	
	25	LOW	QPSK	20.18	20.05	19.96	21.50	
	5	1	LOW	Q16	19.98	19.82	20.12	21.50
			MID	Q16	20.17	20.03	19.94	21.50
HIGH			Q16	19.92	19.97	19.99	21.50	
12		LOW	Q16	19.09	19.02	19.04	20.50	
		MID	Q16	19.11	19.00	18.93	20.50	
		HIGH	Q16	18.76	18.92	18.94	20.50	
25		LOW	Q16	18.98	18.96	18.88	20.50	
5		1	LOW	64QAM	18.85	18.93	19.11	20.50
			MID	64QAM	19.21	18.98	18.88	20.50
	HIGH		64QAM	19.06	19.05	19.16	20.50	
	12	LOW	64QAM	18.22	18.24	17.92	19.50	
		MID	64QAM	17.97	17.84	18.15	19.50	
		HIGH	64QAM	18.08	17.86	17.89	19.50	
	25	LOW	64QAM	17.89	17.88	17.83	19.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.91	21.04	21.22	22.50
MID			QPSK	20.90	20.90	21.00	22.50	
HIGH			QPSK	20.87	20.87	21.20	22.50	
25		LOW	QPSK	20.05	20.07	20.00	21.50	
		MID	QPSK	20.14	19.96	20.14	21.50	
		HIGH	QPSK	20.07	19.89	20.19	21.50	
50		LOW	QPSK	20.07	20.04	20.20	21.50	
10		1	LOW	Q16	19.97	19.87	19.99	21.50
			MID	Q16	19.97	19.91	19.99	21.50
	HIGH		Q16	19.87	20.07	19.92	21.50	
	25	LOW	Q16	19.08	18.89	19.02	20.50	
		MID	Q16	18.88	19.08	18.94	20.50	
		HIGH	Q16	18.90	18.86	18.90	20.50	
	50	LOW	Q16	19.08	19.11	18.93	20.50	
	10	1	LOW	64QAM	18.99	18.71	19.03	20.50
			MID	64QAM	19.27	18.94	19.00	20.50
HIGH			64QAM	19.13	19.13	19.01	20.50	
25		LOW	64QAM	18.09	18.23	18.06	19.50	
		MID	64QAM	17.99	17.87	18.25	19.50	
		HIGH	64QAM	18.01	17.85	17.96	19.50	
50		LOW	64QAM	18.03	18.02	17.90	19.50	



LTE B7-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	20.81	20.89	21.20	22.50	
		MID	QPSK	21.05	21.05	20.98	22.50	
		HIGH	QPSK	20.77	21.08	21.19	22.50	
	36	LOW	QPSK	19.89	20.00	20.07	21.50	
		MID	QPSK	19.98	20.06	20.10	21.50	
		HIGH	QPSK	20.03	20.08	19.99	21.50	
	75	LOW	QPSK	20.23	19.81	20.12	21.50	
	15	1	LOW	Q16	19.96	19.92	20.00	21.50
			MID	Q16	20.08	19.91	19.95	21.50
HIGH			Q16	19.75	19.82	19.93	21.50	
36		LOW	Q16	19.16	19.09	19.02	20.50	
		MID	Q16	18.95	19.16	19.04	20.50	
		HIGH	Q16	18.75	18.97	18.91	20.50	
75		LOW	Q16	18.95	19.11	19.02	20.50	
15		1	LOW	64QAM	18.88	18.94	19.18	20.50
			MID	64QAM	19.26	19.06	18.89	20.50
	HIGH		64QAM	18.95	19.05	19.19	20.50	
	36	LOW	64QAM	17.92	18.02	18.06	19.50	
		MID	64QAM	18.02	17.84	18.25	19.50	
		HIGH	64QAM	17.92	17.90	18.01	19.50	
	75	LOW	64QAM	17.79	17.94	18.06	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.93	21.02	21.09	22.50
MID			QPSK	21.04	20.99	20.85	22.50	
HIGH			QPSK	20.87	20.96	21.12	22.50	
50		LOW	QPSK	20.04	19.98	19.92	21.50	
		MID	QPSK	20.13	20.05	20.03	21.50	
		HIGH	QPSK	20.13	20.01	20.06	21.50	
100		LOW	QPSK	20.09	19.94	20.05	21.50	
20		1	LOW	Q16	20.05	19.95	20.07	21.50
			MID	Q16	20.08	20.00	19.96	21.50
	HIGH		Q16	19.89	19.92	19.93	21.50	
	50	LOW	Q16	19.05	19.01	18.92	20.50	
		MID	Q16	19.03	19.11	19.08	20.50	
		HIGH	Q16	18.88	19.00	19.01	20.50	
	100	LOW	Q16	18.96	19.02	18.95	20.50	
	20	1	LOW	64QAM	18.88	18.85	19.12	20.50
			MID	64QAM	19.14	18.99	18.94	20.50
HIGH			64QAM	19.08	19.12	19.10	20.50	
50		LOW	64QAM	18.07	18.13	17.93	19.50	
		MID	64QAM	17.97	17.85	18.15	19.50	
		HIGH	64QAM	18.02	17.96	17.93	19.50	
100		LOW	64QAM	17.90	17.93	17.92	19.50	

LTE B7-DSI4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.80	18.79	18.91	20.50	
		MID	QPSK	19.16	19.01	19.13	20.50	
		HIGH	QPSK	18.87	18.85	19.02	20.50	
	12	LOW	QPSK	18.87	18.95	18.93	20.50	
		MID	QPSK	19.03	18.81	19.16	20.50	
		HIGH	QPSK	19.15	18.89	19.06	20.50	
	25	LOW	QPSK	18.88	19.00	19.07	20.50	
	5	1	LOW	Q16	18.96	18.88	19.00	20.50
			MID	Q16	19.04	18.98	18.91	20.50
HIGH			Q16	19.03	19.02	18.81	20.50	
12		LOW	Q16	19.02	19.16	18.95	20.50	
		MID	Q16	19.01	19.26	18.92	20.50	
		HIGH	Q16	19.05	19.00	19.07	20.50	
25		LOW	Q16	19.05	19.02	19.12	20.50	
5		1	LOW	64QAM	19.21	18.92	19.25	20.50
			MID	64QAM	18.82	19.10	18.81	20.50
	HIGH		64QAM	19.13	18.83	18.83	20.50	
	12	LOW	64QAM	18.03	17.92	18.02	19.50	
		MID	64QAM	17.98	17.93	17.99	19.50	
		HIGH	64QAM	17.81	17.98	18.08	19.50	
	25	LOW	64QAM	18.14	17.97	18.12	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	19.00	18.99	18.91	20.50
MID			QPSK	19.05	19.18	18.88	20.50	
HIGH			QPSK	18.87	18.96	19.12	20.50	
25		LOW	QPSK	18.89	19.07	19.03	20.50	
		MID	QPSK	19.02	18.92	18.97	20.50	
		HIGH	QPSK	18.97	19.01	18.95	20.50	
50		LOW	QPSK	18.92	18.97	19.06	20.50	
10		1	LOW	Q16	19.01	18.99	18.87	20.50
			MID	Q16	19.12	18.90	18.82	20.50
	HIGH		Q16	19.09	18.86	19.00	20.50	
	25	LOW	Q16	18.86	19.13	18.95	20.50	
		MID	Q16	18.92	19.17	19.07	20.50	
		HIGH	Q16	19.12	18.86	18.95	20.50	
	50	LOW	Q16	19.04	18.97	19.03	20.50	
	10	1	LOW	64QAM	19.01	18.94	19.19	20.50
			MID	64QAM	18.89	19.03	18.78	20.50
HIGH			64QAM	19.11	18.75	18.74	20.50	
25		LOW	64QAM	18.05	17.82	18.02	19.50	
		MID	64QAM	18.16	17.89	17.90	19.50	
		HIGH	64QAM	18.08	18.01	17.96	19.50	
50		LOW	64QAM	18.19	18.00	18.13	19.50	

LTE B7-DSI4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	18.92	18.89	18.85	20.50	
		MID	QPSK	19.13	18.95	19.10	20.50	
		HIGH	QPSK	18.85	18.76	19.15	20.50	
	36	LOW	QPSK	19.04	19.09	19.14	20.50	
		MID	QPSK	19.09	18.74	19.04	20.50	
		HIGH	QPSK	18.90	19.05	19.01	20.50	
	75	LOW	QPSK	18.79	18.82	18.94	20.50	
	15	1	LOW	Q16	18.89	19.06	18.96	20.50
			MID	Q16	18.99	18.88	18.86	20.50
HIGH			Q16	19.15	18.82	18.95	20.50	
36		LOW	Q16	18.77	19.12	18.77	20.50	
		MID	Q16	18.87	19.26	18.89	20.50	
		HIGH	Q16	19.15	19.03	18.88	20.50	
75		LOW	Q16	19.19	19.07	19.18	20.50	
15		1	LOW	64QAM	18.92	18.94	19.12	20.50
			MID	64QAM	18.78	19.18	18.91	20.50
	HIGH		64QAM	19.21	18.76	18.79	20.50	
	36	LOW	64QAM	18.26	17.83	18.01	19.50	
		MID	64QAM	17.97	17.97	17.90	19.50	
		HIGH	64QAM	18.02	17.93	17.81	19.50	
	75	LOW	64QAM	18.14	18.08	18.25	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	18.95	18.90	18.89	20.50
MID			QPSK	19.06	19.03	19.00	20.50	
HIGH			QPSK	18.92	18.91	19.13	20.50	
50		LOW	QPSK	18.97	19.00	19.06	20.50	
		MID	QPSK	19.09	18.88	19.04	20.50	
		HIGH	QPSK	19.03	19.04	19.03	20.50	
100		LOW	QPSK	18.93	18.85	18.93	20.50	
20		1	LOW	Q16	18.96	18.92	18.97	20.50
			MID	Q16	19.05	18.94	18.96	20.50
	HIGH		Q16	19.11	18.88	18.92	20.50	
	50	LOW	Q16	18.91	19.13	18.89	20.50	
		MID	Q16	18.92	19.12	19.03	20.50	
		HIGH	Q16	19.10	18.98	18.96	20.50	
	100	LOW	Q16	19.07	19.07	19.12	20.50	
	20	1	LOW	64QAM	19.07	19.07	19.15	20.50
			MID	64QAM	18.86	19.11	18.88	20.50
HIGH			64QAM	19.11	18.88	18.89	20.50	
50		LOW	64QAM	18.14	17.86	17.99	19.50	
		MID	64QAM	18.07	17.86	17.90	19.50	
		HIGH	64QAM	17.94	18.06	17.95	19.50	
100		LOW	64QAM	18.13	18.07	18.13	19.50	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.76	22.51	22.75	24.00	
		MID	QPSK	22.81	22.67	22.86	24.00	
		HIGH	QPSK	22.67	22.68	22.92	24.00	
	12	LOW	QPSK	21.69	21.51	21.64	23.00	
		MID	QPSK	21.77	21.53	21.96	23.00	
		HIGH	QPSK	21.57	21.88	21.82	23.00	
	25	LOW	QPSK	21.71	21.65	21.79	23.00	
	5	1	LOW	Q16	21.82	22.03	22.01	23.00
			MID	Q16	21.82	21.88	22.35	23.00
HIGH			Q16	21.83	22.08	22.22	23.00	
12		LOW	Q16	20.72	20.61	20.70	22.00	
		MID	Q16	20.79	20.61	20.90	22.00	
		HIGH	Q16	20.69	20.74	20.86	22.00	
25		LOW	Q16	20.66	20.73	20.81	22.00	
5		1	LOW	64QAM	20.67	20.86	21.04	22.00
			MID	64QAM	20.86	20.97	21.39	22.00
	HIGH		64QAM	20.82	20.94	21.07	22.00	
	12	LOW	64QAM	19.69	19.66	19.62	21.00	
		MID	64QAM	19.71	19.69	20.01	21.00	
		HIGH	64QAM	19.66	19.65	19.89	21.00	
	25	LOW	64QAM	19.79	19.69	20.10	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.58	22.47	22.76	24.00
MID			QPSK	22.53	22.65	22.69	24.00	
HIGH			QPSK	22.61	22.65	22.84	24.00	
25		LOW	QPSK	21.54	21.47	21.64	23.00	
		MID	QPSK	21.78	21.74	21.69	23.00	
		HIGH	QPSK	21.80	21.89	21.85	23.00	
50		LOW	QPSK	21.75	21.67	21.76	23.00	
10		1	LOW	Q16	21.66	21.83	22.03	23.00
			MID	Q16	21.82	22.02	22.28	23.00
	HIGH		Q16	21.85	22.12	22.14	23.00	
	25	LOW	Q16	20.53	20.78	20.79	22.00	
		MID	Q16	20.83	20.61	20.90	22.00	
		HIGH	Q16	20.66	20.70	20.85	22.00	
	50	LOW	Q16	20.59	20.71	20.94	22.00	
	10	1	LOW	64QAM	20.77	20.79	21.09	22.00
			MID	64QAM	20.81	20.97	21.18	22.00
HIGH			64QAM	20.75	21.00	21.04	22.00	
25		LOW	64QAM	19.82	19.81	19.86	21.00	
		MID	64QAM	19.89	19.67	20.03	21.00	
		HIGH	64QAM	19.50	19.64	19.98	21.00	
50		LOW	64QAM	19.73	19.59	19.85	21.00	

LTE B7-Full Power -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.47	22.72	22.91	24.00	
		MID	QPSK	22.64	22.82	22.68	24.00	
		HIGH	QPSK	22.70	22.70	22.98	24.00	
	36	LOW	QPSK	21.55	21.59	21.68	23.00	
		MID	QPSK	21.54	21.55	21.96	23.00	
		HIGH	QPSK	21.69	21.88	21.80	23.00	
	75	LOW	QPSK	21.78	21.75	21.85	23.00	
	15	1	LOW	Q16	21.84	22.04	22.00	23.00
			MID	Q16	21.88	22.07	22.08	23.00
HIGH			Q16	21.75	22.11	22.01	23.00	
36		LOW	Q16	20.71	20.58	20.69	22.00	
		MID	Q16	20.80	20.67	20.95	22.00	
		HIGH	Q16	20.55	20.74	20.76	22.00	
75		LOW	Q16	20.60	20.53	20.84	22.00	
15		1	LOW	64QAM	20.69	20.79	21.16	22.00
			MID	64QAM	20.93	21.01	21.16	22.00
	HIGH		64QAM	20.86	21.02	20.99	22.00	
	36	LOW	64QAM	19.66	19.85	19.78	21.00	
		MID	64QAM	19.68	19.48	20.06	21.00	
		HIGH	64QAM	19.50	19.71	19.96	21.00	
	75	LOW	64QAM	19.80	19.77	19.84	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.61	22.59	22.76	24.00
MID			QPSK	22.67	22.73	22.83	24.00	
HIGH			QPSK	22.60	22.65	22.84	24.00	
50		LOW	QPSK	21.59	21.62	21.73	23.00	
		MID	QPSK	21.69	21.67	21.81	23.00	
		HIGH	QPSK	21.66	21.77	21.80	23.00	
100		LOW	QPSK	21.68	21.68	21.81	23.00	
20		1	LOW	Q16	21.79	21.98	22.08	23.00
			MID	Q16	21.92	22.00	22.20	23.00
	HIGH		Q16	21.80	21.99	22.08	23.00	
	50	LOW	Q16	20.60	20.64	20.70	22.00	
		MID	Q16	20.71	20.66	20.81	22.00	
		HIGH	Q16	20.66	20.74	20.82	22.00	
	100	LOW	Q16	20.69	20.67	20.82	22.00	
	20	1	LOW	64QAM	20.68	20.89	21.03	22.00
			MID	64QAM	20.78	21.00	21.27	22.00
HIGH			64QAM	20.88	20.98	20.93	22.00	
50		LOW	64QAM	19.73	19.70	19.76	21.00	
		MID	64QAM	19.81	19.62	19.92	21.00	
		HIGH	64QAM	19.65	19.62	19.96	21.00	
100		LOW	64QAM	19.78	19.67	19.97	21.00	

LTE B7-DSI2&3 -Ant.11								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	17.19	17.20	17.07	18.00	
		MID	QPSK	17.24	17.39	17.16	18.00	
		HIGH	QPSK	17.18	17.17	17.10	18.00	
	12	LOW	QPSK	17.02	17.18	17.02	18.00	
		MID	QPSK	17.32	17.05	17.33	18.00	
		HIGH	QPSK	17.17	17.35	17.21	18.00	
	25	LOW	QPSK	17.18	17.15	17.22	18.00	
	5	1	LOW	Q16	17.59	17.71	17.41	18.00
			MID	Q16	17.52	17.63	17.59	18.00
HIGH			Q16	17.22	17.27	17.69	18.00	
12		LOW	Q16	17.33	17.27	17.25	18.00	
		MID	Q16	17.54	17.32	17.18	18.00	
		HIGH	Q16	17.27	17.17	17.05	18.00	
25		LOW	Q16	17.34	17.07	17.16	18.00	
5		1	LOW	64QAM	17.43	17.36	17.55	18.00
			MID	64QAM	17.36	17.55	17.64	18.00
	HIGH		64QAM	17.36	17.20	17.43	18.00	
	12	LOW	64QAM	17.38	17.15	17.09	18.00	
		MID	64QAM	17.16	17.43	17.33	18.00	
		HIGH	64QAM	17.37	17.22	17.47	18.00	
	25	LOW	64QAM	17.33	17.37	17.56	18.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	17.31	17.05	17.22	18.00
MID			QPSK	17.31	17.36	17.25	18.00	
HIGH			QPSK	16.96	17.19	16.96	18.00	
25		LOW	QPSK	17.32	17.27	17.08	18.00	
		MID	QPSK	17.50	17.11	17.36	18.00	
		HIGH	QPSK	17.28	17.13	17.14	18.00	
50		LOW	QPSK	17.19	17.21	17.31	18.00	
10		1	LOW	Q16	17.68	17.52	17.22	18.00
			MID	Q16	17.53	17.62	17.61	18.00
	HIGH		Q16	17.25	17.50	17.49	18.00	
	25	LOW	Q16	17.15	17.14	17.19	18.00	
		MID	Q16	17.26	17.08	17.15	18.00	
		HIGH	Q16	17.25	17.12	17.03	18.00	
	50	LOW	Q16	17.13	16.96	17.17	18.00	
	10	1	LOW	64QAM	17.42	17.28	17.42	18.00
			MID	64QAM	17.10	17.62	17.62	18.00
HIGH			64QAM	17.38	17.29	17.62	18.00	
25		LOW	64QAM	17.30	17.16	17.04	18.00	
		MID	64QAM	17.17	17.40	17.36	18.00	
		HIGH	64QAM	17.47	17.21	17.43	18.00	
50		LOW	64QAM	17.34	17.09	17.28	18.00	

LTE B7-DSI2&3 -Ant.11								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	17.17	17.07	17.07	18.00	
		MID	QPSK	17.30	17.25	17.12	18.00	
		HIGH	QPSK	17.25	16.97	16.89	18.00	
	36	LOW	QPSK	17.38	17.41	17.18	18.00	
		MID	QPSK	17.17	17.29	17.23	18.00	
		HIGH	QPSK	17.24	17.26	17.14	18.00	
	75	LOW	QPSK	17.18	17.14	17.12	18.00	
	15	1	LOW	Q16	17.50	17.51	17.44	18.00
			MID	Q16	17.37	17.43	17.36	18.00
HIGH			Q16	17.25	17.33	17.66	18.00	
36		LOW	Q16	17.11	17.22	17.21	18.00	
		MID	Q16	17.38	17.03	17.42	18.00	
		HIGH	Q16	17.40	17.17	17.24	18.00	
75		LOW	Q16	17.42	17.18	17.31	18.00	
15		1	LOW	64QAM	17.36	17.47	17.59	18.00
			MID	64QAM	17.32	17.50	17.61	18.00
	HIGH		64QAM	17.39	17.27	17.46	18.00	
	36	LOW	64QAM	17.36	17.14	17.09	18.00	
		MID	64QAM	17.23	17.23	17.38	18.00	
		HIGH	64QAM	17.44	17.16	17.33	18.00	
	75	LOW	64QAM	17.05	17.08	17.41	18.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	17.07	17.08	17.12	18.00
MID			QPSK	17.20	17.22	17.19	18.00	
HIGH			QPSK	17.01	17.06	17.12	18.00	
50		LOW	QPSK	17.21	17.20	17.20	18.00	
		MID	QPSK	17.22	17.20	17.22	18.00	
		HIGH	QPSK	17.17	17.23	17.21	18.00	
100		LOW	QPSK	17.08	17.16	17.02	18.00	
20		1	LOW	Q16	17.54	17.54	17.40	18.00
			MID	Q16	17.32	17.53	17.43	18.00
	HIGH		Q16	17.34	17.48	17.58	18.00	
	50	LOW	Q16	17.22	17.14	17.18	18.00	
		MID	Q16	17.25	17.21	17.25	18.00	
		HIGH	Q16	17.25	17.21	17.18	18.00	
	100	LOW	Q16	17.19	17.23	17.28	18.00	
	20	1	LOW	64QAM	17.36	17.34	17.46	18.00
			MID	64QAM	17.22	17.52	17.49	18.00
HIGH			64QAM	17.43	17.39	17.47	18.00	
50		LOW	64QAM	17.32	17.11	17.05	18.00	
		MID	64QAM	17.17	17.24	17.28	18.00	
		HIGH	64QAM	17.27	17.12	17.32	18.00	
100		LOW	64QAM	17.20	17.16	17.39	18.00	

LTE B7-DSI4 -Ant.11								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.76	22.51	22.75	24.00	
		MID	QPSK	22.81	22.67	22.86	24.00	
		HIGH	QPSK	22.67	22.68	22.92	24.00	
	12	LOW	QPSK	21.69	21.51	21.64	23.00	
		MID	QPSK	21.77	21.53	21.96	23.00	
		HIGH	QPSK	21.57	21.88	21.82	23.00	
	25	LOW	QPSK	21.71	21.65	21.79	23.00	
	5	1	LOW	Q16	21.82	22.03	22.01	23.00
			MID	Q16	21.82	21.88	22.35	23.00
HIGH			Q16	21.83	22.08	22.22	23.00	
12		LOW	Q16	20.72	20.61	20.70	22.00	
		MID	Q16	20.79	20.61	20.90	22.00	
		HIGH	Q16	20.69	20.74	20.86	22.00	
25		LOW	Q16	20.66	20.73	20.81	22.00	
5		1	LOW	64QAM	20.67	20.86	21.04	22.00
			MID	64QAM	20.86	20.97	21.39	22.00
	HIGH		64QAM	20.82	20.94	21.07	22.00	
	12	LOW	64QAM	19.69	19.66	19.62	21.00	
		MID	64QAM	19.71	19.69	20.01	21.00	
		HIGH	64QAM	19.66	19.65	19.89	21.00	
	25	LOW	64QAM	19.79	19.69	20.10	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.58	22.47	22.76	24.00
MID			QPSK	22.53	22.65	22.69	24.00	
HIGH			QPSK	22.61	22.65	22.84	24.00	
25		LOW	QPSK	21.54	21.47	21.64	23.00	
		MID	QPSK	21.78	21.74	21.69	23.00	
		HIGH	QPSK	21.80	21.89	21.85	23.00	
50		LOW	QPSK	21.75	21.67	21.76	23.00	
10		1	LOW	Q16	21.66	21.83	22.03	23.00
			MID	Q16	21.82	22.02	22.28	23.00
	HIGH		Q16	21.85	22.12	22.14	23.00	
	25	LOW	Q16	20.53	20.78	20.79	22.00	
		MID	Q16	20.83	20.61	20.90	22.00	
		HIGH	Q16	20.66	20.70	20.85	22.00	
	50	LOW	Q16	20.59	20.71	20.94	22.00	
	10	1	LOW	64QAM	20.77	20.79	21.09	22.00
			MID	64QAM	20.81	20.97	21.18	22.00
HIGH			64QAM	20.75	21.00	21.04	22.00	
25		LOW	64QAM	19.82	19.81	19.86	21.00	
		MID	64QAM	19.89	19.67	20.03	21.00	
		HIGH	64QAM	19.50	19.64	19.98	21.00	
50		LOW	64QAM	19.73	19.59	19.85	21.00	



LTE B7-DSI4 -Ant.11								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.47	22.72	22.91	24.00	
		MID	QPSK	22.64	22.82	22.68	24.00	
		HIGH	QPSK	22.70	22.70	22.98	24.00	
	36	LOW	QPSK	21.55	21.59	21.68	23.00	
		MID	QPSK	21.54	21.55	21.96	23.00	
		HIGH	QPSK	21.69	21.88	21.80	23.00	
	75	LOW	QPSK	21.78	21.75	21.85	23.00	
	15	1	LOW	Q16	21.84	22.04	22.00	23.00
			MID	Q16	21.88	22.07	22.08	23.00
HIGH			Q16	21.75	22.11	22.01	23.00	
36		LOW	Q16	20.71	20.58	20.69	22.00	
		MID	Q16	20.80	20.67	20.95	22.00	
		HIGH	Q16	20.55	20.74	20.76	22.00	
75		LOW	Q16	20.60	20.53	20.84	22.00	
15		1	LOW	64QAM	20.69	20.79	21.16	22.00
			MID	64QAM	20.93	21.01	21.16	22.00
	HIGH		64QAM	20.86	21.02	20.99	22.00	
	36	LOW	64QAM	19.66	19.85	19.78	21.00	
		MID	64QAM	19.68	19.48	20.06	21.00	
		HIGH	64QAM	19.50	19.71	19.96	21.00	
	75	LOW	64QAM	19.80	19.77	19.84	21.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.61	22.59	22.76	24.00
MID			QPSK	22.67	22.73	22.83	24.00	
HIGH			QPSK	22.60	22.65	22.84	24.00	
50		LOW	QPSK	21.59	21.62	21.73	23.00	
		MID	QPSK	21.69	21.67	21.81	23.00	
		HIGH	QPSK	21.66	21.77	21.80	23.00	
100		LOW	QPSK	21.68	21.68	21.81	23.00	
20		1	LOW	Q16	21.79	21.98	22.08	23.00
			MID	Q16	21.92	22.00	22.20	23.00
	HIGH		Q16	21.80	21.99	22.08	23.00	
	50	LOW	Q16	20.60	20.64	20.70	22.00	
		MID	Q16	20.71	20.66	20.81	22.00	
		HIGH	Q16	20.66	20.74	20.82	22.00	
	100	LOW	Q16	20.69	20.67	20.82	22.00	
	20	1	LOW	64QAM	20.68	20.89	21.03	22.00
			MID	64QAM	20.78	21.00	21.27	22.00
HIGH			64QAM	20.88	20.98	20.93	22.00	
50		LOW	64QAM	19.73	19.70	19.76	21.00	
		MID	64QAM	19.81	19.62	19.92	21.00	
		HIGH	64QAM	19.65	19.62	19.96	21.00	
100		LOW	64QAM	19.78	19.67	19.97	21.00	

LTE B7-DSI5 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	18.03	18.14	18.14	19.00	
		MID	QPSK	18.01	18.31	18.01	19.00	
		HIGH	QPSK	18.19	18.24	18.09	19.00	
	12	LOW	QPSK	18.16	18.14	18.08	19.00	
		MID	QPSK	18.15	18.13	18.36	19.00	
		HIGH	QPSK	18.15	18.23	18.20	19.00	
	25	LOW	QPSK	18.20	18.10	18.33	19.00	
	5	1	LOW	Q16	18.45	18.49	18.40	19.00
			MID	Q16	18.26	18.41	18.32	19.00
HIGH			Q16	18.47	18.49	18.30	19.00	
12		LOW	Q16	18.32	18.23	18.15	19.00	
		MID	Q16	18.25	18.26	18.05	19.00	
		HIGH	Q16	18.13	18.20	18.30	19.00	
25		LOW	Q16	18.19	18.10	18.27	19.00	
5		1	LOW	64QAM	18.53	18.47	18.39	19.00
			MID	64QAM	18.36	18.46	18.25	19.00
	HIGH		64QAM	18.41	18.58	18.45	19.00	
	12	LOW	64QAM	18.25	18.15	18.28	19.00	
		MID	64QAM	18.10	18.41	18.13	19.00	
		HIGH	64QAM	18.23	18.18	18.19	19.00	
	25	LOW	64QAM	18.18	18.05	18.39	19.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	18.07	18.23	17.88	19.00
MID			QPSK	18.11	18.12	18.06	19.00	
HIGH			QPSK	18.08	18.13	17.99	19.00	
25		LOW	QPSK	18.28	18.02	18.27	19.00	
		MID	QPSK	18.24	18.18	18.24	19.00	
		HIGH	QPSK	18.34	18.35	18.06	19.00	
50		LOW	QPSK	18.16	18.01	18.22	19.00	
10		1	LOW	Q16	18.38	18.34	18.24	19.00
			MID	Q16	18.47	18.56	18.50	19.00
	HIGH		Q16	18.54	18.43	18.32	19.00	
	25	LOW	Q16	18.26	18.24	18.06	19.00	
		MID	Q16	18.25	18.12	18.17	19.00	
		HIGH	Q16	18.31	18.12	18.13	19.00	
	50	LOW	Q16	18.16	18.22	18.12	19.00	
	10	1	LOW	64QAM	18.48	18.31	18.41	19.00
			MID	64QAM	18.14	18.56	18.34	19.00
HIGH			64QAM	18.36	18.39	18.35	19.00	
25		LOW	64QAM	18.16	18.05	18.07	19.00	
		MID	64QAM	18.17	18.23	18.21	19.00	
		HIGH	64QAM	18.34	18.16	18.05	19.00	
50		LOW	64QAM	18.02	18.13	18.28	19.00	

LTE B7-DSI5 -Ant.11								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	18.29	18.00	17.87	19.00	
		MID	QPSK	18.12	18.26	18.02	19.00	
		HIGH	QPSK	18.02	18.21	18.10	19.00	
	36	LOW	QPSK	18.19	18.12	17.99	19.00	
		MID	QPSK	18.38	18.26	18.07	19.00	
		HIGH	QPSK	18.04	18.21	18.16	19.00	
	75	LOW	QPSK	18.18	17.99	18.36	19.00	
	15	1	LOW	Q16	18.50	18.45	18.23	19.00
			MID	Q16	18.49	18.35	18.53	19.00
HIGH			Q16	18.28	18.34	18.27	19.00	
36		LOW	Q16	18.28	18.03	17.99	19.00	
		MID	Q16	18.14	18.18	18.31	19.00	
		HIGH	Q16	18.19	18.29	18.20	19.00	
75		LOW	Q16	18.28	18.12	18.33	19.00	
15		1	LOW	64QAM	18.32	18.28	18.37	19.00
			MID	64QAM	18.41	18.58	18.28	19.00
	HIGH		64QAM	18.29	18.49	18.59	19.00	
	36	LOW	64QAM	18.27	18.04	18.29	19.00	
		MID	64QAM	18.05	18.30	18.27	19.00	
		HIGH	64QAM	18.13	17.96	18.12	19.00	
	75	LOW	64QAM	18.24	18.12	18.29	19.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	18.14	18.12	18.02	19.00
MID			QPSK	18.15	18.16	18.12	19.00	
HIGH			QPSK	18.07	18.10	18.01	19.00	
50		LOW	QPSK	18.19	18.15	18.12	19.00	
		MID	QPSK	18.12	18.14	18.16	19.00	
		HIGH	QPSK	18.19	18.21	18.18	19.00	
100		LOW	QPSK	18.24	18.25	18.21	19.00	
20		1	LOW	Q16	18.36	18.40	18.38	19.00
			MID	Q16	18.39	18.50	18.43	19.00
	HIGH		Q16	18.40	18.46	18.42	19.00	
	50	LOW	Q16	18.20	18.18	18.13	19.00	
		MID	Q16	18.24	18.18	18.20	19.00	
		HIGH	Q16	18.23	18.19	18.18	19.00	
	100	LOW	Q16	18.22	18.19	18.23	19.00	
	20	1	LOW	64QAM	18.42	18.40	18.41	19.00
			MID	64QAM	18.26	18.47	18.39	19.00
HIGH			64QAM	18.39	18.43	18.48	19.00	
50		LOW	64QAM	18.26	18.05	18.14	19.00	
		MID	64QAM	18.15	18.29	18.16	19.00	
		HIGH	64QAM	18.19	18.08	18.11	19.00	
100		LOW	64QAM	18.13	18.13	18.26	19.00	

LTE B7-DSI8&9&10 -Ant.11								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	17.40	17.27	17.07	18.00	
		MID	QPSK	17.38	17.28	17.23	18.00	
		HIGH	QPSK	17.28	17.15	17.19	18.00	
	12	LOW	QPSK	17.53	17.33	17.26	18.00	
		MID	QPSK	17.35	17.17	17.23	18.00	
		HIGH	QPSK	17.27	17.33	17.28	18.00	
	25	LOW	QPSK	17.49	17.37	17.37	18.00	
	5	1	LOW	Q16	17.55	17.50	17.44	18.00
			MID	Q16	17.34	17.47	17.57	18.00
HIGH			Q16	17.32	17.60	17.46	18.00	
12		LOW	Q16	17.21	17.07	17.19	18.00	
		MID	Q16	17.18	17.13	17.29	18.00	
		HIGH	Q16	17.13	17.32	17.15	18.00	
25		LOW	Q16	17.38	17.22	17.25	18.00	
5		1	LOW	64QAM	17.48	17.37	17.44	18.00
			MID	64QAM	17.41	17.50	17.54	18.00
	HIGH		64QAM	17.61	17.75	17.58	18.00	
	12	LOW	64QAM	17.34	17.38	17.07	18.00	
		MID	64QAM	17.21	17.24	17.31	18.00	
		HIGH	64QAM	17.11	17.16	17.36	18.00	
	25	LOW	64QAM	17.36	17.03	17.35	18.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	17.42	17.30	17.20	18.00
MID			QPSK	17.42	17.14	17.31	18.00	
HIGH			QPSK	17.43	17.32	17.01	18.00	
25		LOW	QPSK	17.26	17.28	17.19	18.00	
		MID	QPSK	17.37	17.14	17.30	18.00	
		HIGH	QPSK	17.46	17.31	17.49	18.00	
50		LOW	QPSK	17.28	17.15	17.24	18.00	
10		1	LOW	Q16	17.51	17.48	17.40	18.00
			MID	Q16	17.46	17.50	17.50	18.00
	HIGH		Q16	17.37	17.45	17.35	18.00	
	25	LOW	Q16	17.14	17.05	17.30	18.00	
		MID	Q16	17.32	17.31	17.18	18.00	
		HIGH	Q16	17.34	17.21	17.09	18.00	
	50	LOW	Q16	17.22	17.15	17.34	18.00	
	10	1	LOW	64QAM	17.44	17.52	17.40	18.00
			MID	64QAM	17.37	17.55	17.57	18.00
HIGH			64QAM	17.55	17.68	17.57	18.00	
25		LOW	64QAM	17.48	17.33	17.25	18.00	
		MID	64QAM	17.12	17.24	17.34	18.00	
		HIGH	64QAM	17.23	17.20	17.21	18.00	
50		LOW	64QAM	17.44	17.01	17.23	18.00	

LTE B7-DSI8&9&10 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	17.36	17.39	17.30	18.00	
		MID	QPSK	17.39	17.21	17.17	18.00	
		HIGH	QPSK	17.20	17.29	17.22	18.00	
	36	LOW	QPSK	17.54	17.39	17.35	18.00	
		MID	QPSK	17.53	17.36	17.31	18.00	
		HIGH	QPSK	17.40	17.44	17.51	18.00	
	75	LOW	QPSK	17.35	17.21	17.37	18.00	
	15	1	LOW	Q16	17.61	17.42	17.35	18.00
			MID	Q16	17.61	17.47	17.60	18.00
HIGH			Q16	17.30	17.59	17.38	18.00	
36		LOW	Q16	17.10	17.33	17.05	18.00	
		MID	Q16	17.37	17.15	17.30	18.00	
		HIGH	Q16	17.30	17.18	17.32	18.00	
75		LOW	Q16	17.22	17.11	17.07	18.00	
15		1	LOW	64QAM	17.33	17.39	17.51	18.00
			MID	64QAM	17.59	17.70	17.62	18.00
	HIGH		64QAM	17.48	17.78	17.54	18.00	
	36	LOW	64QAM	17.22	17.29	17.13	18.00	
		MID	64QAM	17.35	17.19	17.45	18.00	
		HIGH	64QAM	17.17	17.23	17.38	18.00	
	75	LOW	64QAM	17.22	17.16	17.23	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	17.28	17.35	17.30	18.00
MID			QPSK	17.34	17.28	17.29	18.00	
HIGH			QPSK	17.29	17.16	17.23	18.00	
50		LOW	QPSK	17.39	17.25	17.32	18.00	
		MID	QPSK	17.32	17.41	17.27	18.00	
		HIGH	QPSK	17.37	17.36	17.34	18.00	
100		LOW	QPSK	17.39	17.28	17.28	18.00	
20		1	LOW	Q16	17.47	17.46	17.48	18.00
			MID	Q16	17.48	17.53	17.49	18.00
	HIGH		Q16	17.41	17.53	17.43	18.00	
	50	LOW	Q16	17.23	17.20	17.19	18.00	
		MID	Q16	17.29	17.16	17.27	18.00	
		HIGH	Q16	17.26	17.22	17.23	18.00	
	100	LOW	Q16	17.26	17.16	17.21	18.00	
	20	1	LOW	64QAM	17.43	17.38	17.52	18.00
			MID	64QAM	17.45	17.60	17.49	18.00
HIGH			64QAM	17.52	17.63	17.46	18.00	
50		LOW	64QAM	17.34	17.25	17.14	18.00	
		MID	64QAM	17.22	17.23	17.39	18.00	
		HIGH	64QAM	17.21	17.26	17.31	18.00	
100		LOW	64QAM	17.36	17.12	17.30	18.00	

## 8.3.4 LTE Band7 Output Power

LTE B7-Full Power -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.93	22.99	23.12	24.00	
		MID	QPSK	23.10	22.99	23.07	24.00	
		HIGH	QPSK	22.87	22.86	23.13	24.00	
	12	LOW	QPSK	22.09	22.03	22.20	23.00	
		MID	QPSK	21.83	22.08	21.77	23.00	
		HIGH	QPSK	21.98	21.92	21.94	23.00	
	25	LOW	QPSK	21.62	21.77	21.91	23.00	
	5	1	LOW	Q16	22.50	22.20	22.37	23.00
			MID	Q16	22.18	22.27	22.23	23.00
HIGH			Q16	22.11	22.28	22.43	23.00	
12		LOW	Q16	21.04	20.98	20.95	22.00	
		MID	Q16	20.93	21.11	20.92	22.00	
		HIGH	Q16	20.97	20.79	21.10	22.00	
25		LOW	Q16	20.92	20.72	20.77	22.00	
5		1	LOW	64QAM	21.01	20.82	21.00	22.00
			MID	64QAM	20.77	21.06	20.99	22.00
	HIGH		64QAM	20.84	20.78	20.59	22.00	
	12	LOW	64QAM	20.05	20.03	20.25	21.00	
		MID	64QAM	19.73	20.06	19.72	21.00	
		HIGH	64QAM	19.85	19.93	20.01	21.00	
	25	LOW	64QAM	19.95	20.01	20.13	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.93	22.93	23.12	24.00
MID			QPSK	23.28	22.95	23.15	24.00	
HIGH			QPSK	22.90	22.80	22.90	24.00	
25		LOW	QPSK	22.11	21.94	22.19	23.00	
		MID	QPSK	21.92	21.80	21.91	23.00	
		HIGH	QPSK	22.18	21.74	22.11	23.00	
50		LOW	QPSK	21.71	22.03	21.97	23.00	
10		1	LOW	Q16	22.30	22.01	22.19	23.00
			MID	Q16	22.28	22.40	22.09	23.00
	HIGH		Q16	22.07	22.18	22.41	23.00	
	25	LOW	Q16	20.95	21.01	21.02	22.00	
		MID	Q16	21.04	21.09	20.88	22.00	
		HIGH	Q16	21.03	20.83	21.07	22.00	
	50	LOW	Q16	21.10	20.92	20.91	22.00	
	10	1	LOW	64QAM	21.03	20.97	20.93	22.00
			MID	64QAM	21.02	21.17	20.78	22.00
HIGH			64QAM	20.89	20.65	20.62	22.00	
25		LOW	64QAM	20.26	20.06	20.03	21.00	
		MID	64QAM	19.92	20.14	19.85	21.00	
		HIGH	64QAM	19.71	20.09	19.98	21.00	
50		LOW	64QAM	20.00	20.04	19.99	21.00	

LTE B7-Full Power -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.65	22.95	22.91	24.00	
		MID	QPSK	23.21	23.08	23.24	24.00	
		HIGH	QPSK	23.07	22.84	22.95	24.00	
	36	LOW	QPSK	22.03	21.95	22.25	23.00	
		MID	QPSK	21.93	21.93	21.75	23.00	
		HIGH	QPSK	22.04	21.70	22.17	23.00	
	75	LOW	QPSK	21.68	21.82	21.96	23.00	
	15	1	LOW	Q16	22.31	22.30	22.25	23.00
			MID	Q16	22.15	22.32	21.94	23.00
HIGH			Q16	22.03	22.05	22.23	23.00	
36		LOW	Q16	20.91	21.00	21.06	22.00	
		MID	Q16	21.18	21.10	20.87	22.00	
		HIGH	Q16	20.77	20.75	20.87	22.00	
75		LOW	Q16	20.97	20.93	20.83	22.00	
15		1	LOW	64QAM	21.09	20.82	21.10	22.00
			MID	64QAM	21.04	20.99	20.97	22.00
	HIGH		64QAM	20.92	20.86	20.65	22.00	
	36	LOW	64QAM	20.11	19.86	20.26	21.00	
		MID	64QAM	19.66	19.85	19.94	21.00	
		HIGH	64QAM	19.90	19.86	20.09	21.00	
	75	LOW	64QAM	19.79	19.91	20.08	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.80	22.94	23.06	24.00
MID			QPSK	23.14	23.03	23.17	24.00	
HIGH			QPSK	22.98	22.87	22.98	24.00	
50		LOW	QPSK	21.97	21.94	22.12	23.00	
		MID	QPSK	21.96	21.95	21.81	23.00	
		HIGH	QPSK	22.05	21.85	22.04	23.00	
100		LOW	QPSK	21.72	21.92	21.96	23.00	
20		1	LOW	Q16	22.35	22.16	22.26	23.00
			MID	Q16	22.13	22.34	22.09	23.00
	HIGH		Q16	22.15	22.15	22.35	23.00	
	50	LOW	Q16	21.02	20.96	20.98	22.00	
		MID	Q16	21.06	21.16	20.82	22.00	
		HIGH	Q16	20.91	20.85	20.97	22.00	
	100	LOW	Q16	20.96	20.85	20.77	22.00	
	20	1	LOW	64QAM	21.00	20.89	21.06	22.00
			MID	64QAM	20.92	21.05	20.87	22.00
HIGH			64QAM	20.93	20.71	20.70	22.00	
50		LOW	64QAM	20.12	19.98	20.12	21.00	
		MID	64QAM	19.79	20.00	19.81	21.00	
		HIGH	64QAM	19.81	20.01	20.08	21.00	
100		LOW	64QAM	19.85	19.97	20.14	21.00	

LTE B7-DSI2&3 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	15.85	15.46	15.48	16.00	
		MID	QPSK	15.73	15.76	15.79	16.00	
		HIGH	QPSK	15.73	15.69	15.53	16.00	
	12	LOW	QPSK	15.39	15.74	15.68	16.00	
		MID	QPSK	15.75	15.47	15.69	16.00	
		HIGH	QPSK	15.98	15.68	15.59	16.00	
	25	LOW	QPSK	15.69	15.66	15.71	16.00	
	5	1	LOW	Q16	15.73	15.42	15.30	16.00
			MID	Q16	15.41	15.83	15.48	16.00
HIGH			Q16	15.71	15.22	15.51	16.00	
12		LOW	Q16	15.63	15.59	15.62	16.00	
		MID	Q16	15.55	15.59	15.55	16.00	
		HIGH	Q16	15.55	15.85	15.49	16.00	
25		LOW	Q16	15.62	15.43	15.49	16.00	
5		1	LOW	64QAM	15.45	15.58	15.43	16.00
			MID	64QAM	15.65	15.60	15.60	16.00
	HIGH		64QAM	15.81	15.32	15.52	16.00	
	12	LOW	64QAM	15.36	15.47	15.47	16.00	
		MID	64QAM	15.89	15.73	15.56	16.00	
		HIGH	64QAM	15.83	15.54	15.56	16.00	
	25	LOW	64QAM	15.64	15.60	15.60	16.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	15.87	15.58	15.65	16.00
MID			QPSK	15.62	15.62	15.90	16.00	
HIGH			QPSK	15.56	15.47	15.49	16.00	
25		LOW	QPSK	15.74	15.67	15.69	16.00	
		MID	QPSK	15.66	15.46	15.63	16.00	
		HIGH	QPSK	15.76	15.70	15.53	16.00	
50		LOW	QPSK	15.43	15.54	15.78	16.00	
10		1	LOW	Q16	15.45	15.60	15.31	16.00
			MID	Q16	15.31	15.89	15.51	16.00
	HIGH		Q16	15.81	15.31	15.69	16.00	
	25	LOW	Q16	15.50	15.69	15.61	16.00	
		MID	Q16	15.31	15.52	15.58	16.00	
		HIGH	Q16	15.53	15.70	15.45	16.00	
	50	LOW	Q16	15.57	15.28	15.53	16.00	
	10	1	LOW	64QAM	15.34	15.28	15.30	16.00
			MID	64QAM	15.43	15.62	15.65	16.00
HIGH			64QAM	15.64	15.40	15.39	16.00	
25		LOW	64QAM	15.37	15.52	15.69	16.00	
		MID	64QAM	15.67	15.51	15.71	16.00	
		HIGH	64QAM	15.59	15.58	15.69	16.00	
50		LOW	64QAM	15.81	15.62	15.59	16.00	



LTE B7-DSI2&3 -Ant.11 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	15.89	15.77	15.51	16.00	
		MID	QPSK	15.78	15.77	15.66	16.00	
		HIGH	QPSK	15.89	15.51	15.36	16.00	
	36	LOW	QPSK	15.61	15.64	15.71	16.00	
		MID	QPSK	15.60	15.71	15.77	16.00	
		HIGH	QPSK	15.68	15.67	15.35	16.00	
	75	LOW	QPSK	15.29	15.49	15.79	16.00	
	15	1	LOW	Q16	15.41	15.70	15.28	16.00
			MID	Q16	15.20	15.76	15.36	16.00
HIGH			Q16	15.63	15.19	15.41	16.00	
36		LOW	Q16	15.57	15.55	15.77	16.00	
		MID	Q16	15.59	15.46	15.43	16.00	
		HIGH	Q16	15.36	15.72	15.68	16.00	
75		LOW	Q16	15.62	15.57	15.43	16.00	
15		1	LOW	64QAM	15.34	15.27	15.42	16.00
			MID	64QAM	15.45	15.68	15.74	16.00
	HIGH		64QAM	15.68	15.38	15.49	16.00	
	36	LOW	64QAM	15.48	15.56	15.39	16.00	
		MID	64QAM	15.66	15.42	15.71	16.00	
		HIGH	64QAM	15.77	15.47	15.41	16.00	
	75	LOW	64QAM	15.53	15.63	15.75	16.00	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	15.75	15.61	15.52	16.00
MID			QPSK	15.67	15.67	15.73	16.00	
HIGH			QPSK	15.72	15.56	15.49	16.00	
50		LOW	QPSK	15.52	15.63	15.61	16.00	
		MID	QPSK	15.71	15.57	15.72	16.00	
		HIGH	QPSK	15.89	15.52	15.42	16.00	
100		LOW	QPSK	15.58	15.51	15.73	16.00	
20		1	LOW	Q16	15.57	15.62	15.37	16.00
			MID	Q16	15.48	15.67	15.40	16.00
	HIGH		Q16	15.78	15.32	15.67	16.00	
	50	LOW	Q16	15.34	15.66	15.53	16.00	
		MID	Q16	15.51	15.54	15.55	16.00	
		HIGH	Q16	15.45	15.65	15.61	16.00	
	100	LOW	Q16	15.42	15.39	15.52	16.00	
	20	1	LOW	64QAM	15.36	15.57	15.39	16.00
			MID	64QAM	15.47	15.50	15.67	16.00
HIGH			64QAM	15.64	15.38	15.39	16.00	
50		LOW	64QAM	15.41	15.60	15.61	16.00	
		MID	64QAM	15.77	15.61	15.49	16.00	
		HIGH	64QAM	15.62	15.66	15.47	16.00	
100		LOW	64QAM	15.62	15.64	15.46	16.00	

LTE B7-DSI4 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	22.93	22.99	23.12	24.00	
		MID	QPSK	23.10	22.99	23.07	24.00	
		HIGH	QPSK	22.87	22.86	23.13	24.00	
	12	LOW	QPSK	22.09	22.03	22.20	23.00	
		MID	QPSK	21.83	22.08	21.77	23.00	
		HIGH	QPSK	21.98	21.92	21.94	23.00	
	25	LOW	QPSK	21.62	21.77	21.91	23.00	
	5	1	LOW	Q16	22.50	22.20	22.37	23.00
			MID	Q16	22.18	22.27	22.23	23.00
HIGH			Q16	22.11	22.28	22.43	23.00	
12		LOW	Q16	21.04	20.98	20.95	22.00	
		MID	Q16	20.93	21.11	20.92	22.00	
		HIGH	Q16	20.97	20.79	21.10	22.00	
25		LOW	Q16	20.92	20.72	20.77	22.00	
5		1	LOW	64QAM	21.01	20.82	21.00	22.00
			MID	64QAM	20.77	21.06	20.99	22.00
	HIGH		64QAM	20.84	20.78	20.59	22.00	
	12	LOW	64QAM	20.05	20.03	20.25	21.00	
		MID	64QAM	19.73	20.06	19.72	21.00	
		HIGH	64QAM	19.85	19.93	20.01	21.00	
	25	LOW	64QAM	19.95	20.01	20.13	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	22.93	22.93	23.12	24.00
MID			QPSK	23.28	22.95	23.15	24.00	
HIGH			QPSK	22.90	22.80	22.90	24.00	
25		LOW	QPSK	22.11	21.94	22.19	23.00	
		MID	QPSK	21.92	21.80	21.91	23.00	
		HIGH	QPSK	22.18	21.74	22.11	23.00	
50		LOW	QPSK	21.71	22.03	21.97	23.00	
10		1	LOW	Q16	22.30	22.01	22.19	23.00
			MID	Q16	22.28	22.40	22.09	23.00
	HIGH		Q16	22.07	22.18	22.41	23.00	
	25	LOW	Q16	20.95	21.01	21.02	22.00	
		MID	Q16	21.04	21.09	20.88	22.00	
		HIGH	Q16	21.03	20.83	21.07	22.00	
	50	LOW	Q16	21.10	20.92	20.91	22.00	
	10	1	LOW	64QAM	21.03	20.97	20.93	22.00
			MID	64QAM	21.02	21.17	20.78	22.00
HIGH			64QAM	20.89	20.65	20.62	22.00	
25		LOW	64QAM	20.26	20.06	20.03	21.00	
		MID	64QAM	19.92	20.14	19.85	21.00	
		HIGH	64QAM	19.71	20.09	19.98	21.00	
50		LOW	64QAM	20.00	20.04	19.99	21.00	

LTE B7-DSI4 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	22.65	22.95	22.91	24.00	
		MID	QPSK	23.21	23.08	23.24	24.00	
		HIGH	QPSK	23.07	22.84	22.95	24.00	
	36	LOW	QPSK	22.03	21.95	22.25	23.00	
		MID	QPSK	21.93	21.93	21.75	23.00	
		HIGH	QPSK	22.04	21.70	22.17	23.00	
	75	LOW	QPSK	21.68	21.82	21.96	23.00	
	15	1	LOW	Q16	22.31	22.30	22.25	23.00
			MID	Q16	22.15	22.32	21.94	23.00
HIGH			Q16	22.03	22.05	22.23	23.00	
36		LOW	Q16	20.91	21.00	21.06	22.00	
		MID	Q16	21.18	21.10	20.87	22.00	
		HIGH	Q16	20.77	20.75	20.87	22.00	
75		LOW	Q16	20.97	20.93	20.83	22.00	
15		1	LOW	64QAM	21.09	20.82	21.10	22.00
			MID	64QAM	21.04	20.99	20.97	22.00
	HIGH		64QAM	20.92	20.86	20.65	22.00	
	36	LOW	64QAM	20.11	19.86	20.26	21.00	
		MID	64QAM	19.66	19.85	19.94	21.00	
		HIGH	64QAM	19.90	19.86	20.09	21.00	
	75	LOW	64QAM	19.79	19.91	20.08	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	22.80	22.94	23.06	24.00
MID			QPSK	23.14	23.03	23.17	24.00	
HIGH			QPSK	22.98	22.87	22.98	24.00	
50		LOW	QPSK	21.97	21.94	22.12	23.00	
		MID	QPSK	21.96	21.95	21.81	23.00	
		HIGH	QPSK	22.05	21.85	22.04	23.00	
100		LOW	QPSK	21.72	21.92	21.96	23.00	
20		1	LOW	Q16	22.35	22.16	22.26	23.00
			MID	Q16	22.13	22.34	22.09	23.00
	HIGH		Q16	22.15	22.15	22.35	23.00	
	50	LOW	Q16	21.02	20.96	20.98	22.00	
		MID	Q16	21.06	21.16	20.82	22.00	
		HIGH	Q16	20.91	20.85	20.97	22.00	
	100	LOW	Q16	20.96	20.85	20.77	22.00	
	20	1	LOW	64QAM	21.00	20.89	21.06	22.00
			MID	64QAM	20.92	21.05	20.87	22.00
HIGH			64QAM	20.93	20.71	20.70	22.00	
50		LOW	64QAM	20.12	19.98	20.12	21.00	
		MID	64QAM	19.79	20.00	19.81	21.00	
		HIGH	64QAM	19.81	20.01	20.08	21.00	
100		LOW	64QAM	19.85	19.97	20.14	21.00	

LTE B7-DSi5 -Ant.11 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	16.17	16.00	16.02	16.50	
		MID	QPSK	16.19	16.22	16.23	16.50	
		HIGH	QPSK	16.06	16.08	16.08	16.50	
	12	LOW	QPSK	16.09	16.08	15.87	16.50	
		MID	QPSK	16.00	16.11	16.31	16.50	
		HIGH	QPSK	16.12	15.97	16.00	16.50	
	25	LOW	QPSK	15.98	16.17	16.21	16.50	
	5	1	LOW	Q16	16.32	16.08	16.01	16.50
			MID	Q16	16.44	16.15	16.34	16.50
HIGH			Q16	16.31	16.25	16.06	16.50	
12		LOW	Q16	16.45	16.28	16.27	16.50	
		MID	Q16	16.07	16.26	16.06	16.50	
		HIGH	Q16	16.20	16.16	16.32	16.50	
25		LOW	Q16	16.46	16.22	16.16	16.50	
5		1	LOW	64QAM	16.08	16.13	16.15	16.50
			MID	64QAM	16.22	16.24	16.14	16.50
	HIGH		64QAM	16.02	16.04	16.41	16.50	
	12	LOW	64QAM	16.05	16.09	16.35	16.50	
		MID	64QAM	16.08	16.40	16.01	16.50	
		HIGH	64QAM	15.95	16.05	16.16	16.50	
	25	LOW	64QAM	16.28	15.94	16.23	16.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	16.08	16.16	15.93	16.50
MID			QPSK	16.05	16.01	16.10	16.50	
HIGH			QPSK	15.99	16.03	16.00	16.50	
25		LOW	QPSK	15.91	15.96	15.86	16.50	
		MID	QPSK	15.89	16.05	16.02	16.50	
		HIGH	QPSK	16.07	15.84	16.09	16.50	
50		LOW	QPSK	16.06	16.18	16.34	16.50	
10		1	LOW	Q16	16.24	16.04	16.02	16.50
			MID	Q16	16.18	16.14	16.39	16.50
	HIGH		Q16	16.16	16.23	16.32	16.50	
	25	LOW	Q16	16.42	16.27	16.26	16.50	
		MID	Q16	16.14	16.29	16.05	16.50	
		HIGH	Q16	16.34	16.09	16.26	16.50	
	50	LOW	Q16	16.29	16.29	16.06	16.50	
	10	1	LOW	64QAM	15.94	16.09	16.20	16.50
			MID	64QAM	16.39	16.13	16.20	16.50
HIGH			64QAM	16.25	16.14	16.38	16.50	
25		LOW	64QAM	15.95	16.04	16.47	16.50	
		MID	64QAM	16.02	16.23	15.99	16.50	
		HIGH	64QAM	16.02	16.06	16.22	16.50	
50		LOW	64QAM	16.26	15.99	16.06	16.50	

LTE B7-DSi5 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	15.90	15.94	15.78	16.50	
		MID	QPSK	16.04	16.28	16.13	16.50	
		HIGH	QPSK	16.09	16.13	15.96	16.50	
	36	LOW	QPSK	16.09	16.02	15.83	16.50	
		MID	QPSK	15.79	16.24	16.31	16.50	
		HIGH	QPSK	16.25	15.92	15.89	16.50	
	75	LOW	QPSK	15.95	16.39	16.20	16.50	
	15	1	LOW	Q16	16.28	16.14	16.06	16.50
			MID	Q16	16.41	16.09	16.37	16.50
HIGH			Q16	16.11	16.12	16.14	16.50	
36		LOW	Q16	16.31	16.24	16.40	16.50	
		MID	Q16	15.97	16.40	16.04	16.50	
		HIGH	Q16	16.12	16.01	16.27	16.50	
75		LOW	Q16	16.28	16.27	16.08	16.50	
15		1	LOW	64QAM	16.06	16.03	16.41	16.50
			MID	64QAM	16.37	16.12	16.10	16.50
	HIGH		64QAM	16.19	16.23	16.33	16.50	
	36	LOW	64QAM	16.11	16.04	16.23	16.50	
		MID	64QAM	16.16	16.45	16.24	16.50	
		HIGH	64QAM	16.07	16.16	16.28	16.50	
	75	LOW	64QAM	16.24	15.97	16.23	16.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	16.03	16.01	15.91	16.50
MID			QPSK	16.08	16.13	16.16	16.50	
HIGH			QPSK	16.01	16.06	16.09	16.50	
50		LOW	QPSK	16.01	16.01	15.92	16.50	
		MID	QPSK	15.93	16.18	16.16	16.50	
		HIGH	QPSK	16.19	15.82	16.03	16.50	
100		LOW	QPSK	16.09	16.26	16.28	16.50	
20		1	LOW	Q16	16.22	16.18	16.00	16.50
			MID	Q16	16.31	16.08	16.35	16.50
	HIGH		Q16	16.25	16.17	16.19	16.50	
	50	LOW	Q16	16.36	16.26	16.37	16.50	
		MID	Q16	16.09	16.31	16.13	16.50	
		HIGH	Q16	16.27	16.13	16.35	16.50	
	100	LOW	Q16	16.33	16.20	16.20	16.50	
	20	1	LOW	64QAM	16.01	16.16	16.30	16.50
			MID	64QAM	16.29	16.12	16.19	16.50
HIGH			64QAM	16.16	16.11	16.31	16.50	
50		LOW	64QAM	15.97	16.13	16.33	16.50	
		MID	64QAM	16.08	16.32	16.11	16.50	
		HIGH	64QAM	15.99	16.03	16.21	16.50	
100		LOW	64QAM	16.24	16.08	16.21	16.50	

LTE B7-DSI8&9&10 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	14.97	14.87	14.70	15.50	
		MID	QPSK	14.92	15.20	15.26	15.50	
		HIGH	QPSK	15.18	15.00	15.26	15.50	
	12	LOW	QPSK	15.02	14.98	14.83	15.50	
		MID	QPSK	14.99	14.75	14.77	15.50	
		HIGH	QPSK	14.90	15.07	15.05	15.50	
	25	LOW	QPSK	15.11	15.08	14.90	15.50	
	5	1	LOW	Q16	14.89	15.23	15.02	15.50
			MID	Q16	15.35	15.02	14.93	15.50
HIGH			Q16	15.10	15.20	14.97	15.50	
12		LOW	Q16	15.28	15.33	15.24	15.50	
		MID	Q16	15.32	15.31	15.31	15.50	
		HIGH	Q16	15.22	15.03	15.11	15.50	
25		LOW	Q16	15.25	15.48	15.27	15.50	
5		1	LOW	64QAM	15.26	15.41	15.34	15.50
			MID	64QAM	15.36	15.30	15.09	15.50
	HIGH		64QAM	15.15	15.38	15.25	15.50	
	12	LOW	64QAM	15.32	15.06	15.18	15.50	
		MID	64QAM	15.12	15.05	15.09	15.50	
		HIGH	64QAM	15.31	15.20	15.29	15.50	
	25	LOW	64QAM	15.04	14.95	15.17	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	14.90	15.01	14.69	15.50
MID			QPSK	15.16	15.02	15.26	15.50	
HIGH			QPSK	15.01	14.90	15.17	15.50	
25		LOW	QPSK	15.01	14.91	14.66	15.50	
		MID	QPSK	14.75	14.88	14.55	15.50	
		HIGH	QPSK	14.90	15.20	15.16	15.50	
50		LOW	QPSK	15.23	14.93	15.07	15.50	
10		1	LOW	Q16	14.87	15.01	14.93	15.50
			MID	Q16	15.35	15.06	14.98	15.50
	HIGH		Q16	14.97	15.25	15.01	15.50	
	25	LOW	Q16	15.28	15.39	15.19	15.50	
		MID	Q16	15.12	15.40	15.32	15.50	
		HIGH	Q16	15.30	15.21	15.14	15.50	
	50	LOW	Q16	15.44	15.35	15.00	15.50	
	10	1	LOW	64QAM	15.23	15.29	15.28	15.50
			MID	64QAM	15.34	15.44	15.06	15.50
HIGH			64QAM	15.15	15.10	15.41	15.50	
25		LOW	64QAM	15.39	15.22	15.46	15.50	
		MID	64QAM	15.13	15.13	15.19	15.50	
		HIGH	64QAM	15.21	15.14	15.17	15.50	
50		LOW	64QAM	14.98	15.00	15.18	15.50	

LTE B7-DS18&9&10 -Ant.11 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	14.77	14.76	14.83	15.50	
		MID	QPSK	15.03	15.16	15.18	15.50	
		HIGH	QPSK	15.15	14.95	15.12	15.50	
	36	LOW	QPSK	14.92	14.82	14.77	15.50	
		MID	QPSK	15.01	14.60	14.70	15.50	
		HIGH	QPSK	14.76	15.02	15.08	15.50	
	75	LOW	QPSK	15.29	15.15	15.06	15.50	
	15	1	LOW	Q16	15.08	15.07	14.92	15.50
			MID	Q16	15.10	14.86	14.98	15.50
HIGH			Q16	15.20	15.12	14.93	15.50	
36		LOW	Q16	15.48	15.25	15.33	15.50	
		MID	Q16	15.18	15.49	15.36	15.50	
		HIGH	Q16	15.13	15.17	15.12	15.50	
75		LOW	Q16	15.36	15.44	15.00	15.50	
15		1	LOW	64QAM	15.11	15.22	15.39	15.50
			MID	64QAM	15.48	15.22	15.29	15.50
	HIGH		64QAM	15.38	15.33	15.20	15.50	
	36	LOW	64QAM	15.33	15.13	15.25	15.50	
		MID	64QAM	15.23	15.09	15.18	15.50	
		HIGH	64QAM	15.29	15.33	15.27	15.50	
	75	LOW	64QAM	15.18	15.18	15.30	15.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	14.89	14.86	14.80	15.50
MID			QPSK	15.05	15.15	15.18	15.50	
HIGH			QPSK	15.16	15.04	15.12	15.50	
50		LOW	QPSK	15.03	14.86	14.81	15.50	
		MID	QPSK	14.87	14.75	14.69	15.50	
		HIGH	QPSK	14.82	15.06	15.03	15.50	
100		LOW	QPSK	15.14	15.03	15.02	15.50	
20		1	LOW	Q16	14.93	15.12	14.97	15.50
			MID	Q16	15.20	14.94	15.01	15.50
	HIGH		Q16	15.10	15.24	15.05	15.50	
	50	LOW	Q16	15.41	15.30	15.25	15.50	
		MID	Q16	15.17	15.47	15.42	15.50	
		HIGH	Q16	15.15	15.18	15.22	15.50	
	100	LOW	Q16	15.40	15.47	15.14	15.50	
	20	1	LOW	64QAM	15.25	15.32	15.25	15.50
			MID	64QAM	15.41	15.35	15.14	15.50
HIGH			64QAM	15.23	15.24	15.48	15.50	
50		LOW	64QAM	15.31	15.18	15.33	15.50	
		MID	64QAM	15.08	15.00	15.09	15.50	
		HIGH	64QAM	15.19	15.18	15.29	15.50	
100		LOW	64QAM	15.09	15.05	15.27	15.50	

## 8.3.4 LTE Band7 Output Power(UL Inter CA)

LTE B7-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.86	21.00	20.98	22.50	
		MID	QPSK	21.01	20.96	20.78	22.50	
		HIGH	QPSK	20.73	21.11	20.98	22.50	
	12	LOW	QPSK	20.03	20.04	19.97	21.50	
		MID	QPSK	20.09	20.10	19.95	21.50	
		HIGH	QPSK	19.98	19.83	19.95	21.50	
	25	LOW	QPSK	19.87	19.89	20.08	21.50	
	5	1	LOW	Q16	19.94	19.95	20.01	21.50
			MID	Q16	20.08	20.06	19.85	21.50
HIGH			Q16	20.14	19.82	20.08	21.50	
12		LOW	Q16	18.97	18.80	19.30	20.50	
		MID	Q16	19.00	18.91	18.93	20.50	
		HIGH	Q16	19.14	18.98	19.24	20.50	
25		LOW	Q16	18.93	19.07	19.02	20.50	
5		1	LOW	64QAM	18.80	19.11	18.84	20.50
			MID	64QAM	18.87	18.98	18.90	20.50
	HIGH		64QAM	19.16	18.85	19.19	20.50	
	12	LOW	64QAM	18.14	18.02	17.82	19.50	
		MID	64QAM	18.15	18.14	17.91	19.50	
		HIGH	64QAM	18.01	17.90	18.07	19.50	
	25	LOW	64QAM	18.24	17.78	17.81	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.99	20.89	20.88	22.50
MID			QPSK	21.17	21.00	20.85	22.50	
HIGH			QPSK	20.77	21.02	21.09	22.50	
25		LOW	QPSK	19.81	20.12	19.99	21.50	
		MID	QPSK	19.94	19.91	19.95	21.50	
		HIGH	QPSK	20.08	19.98	20.02	21.50	
50		LOW	QPSK	19.89	19.94	20.19	21.50	
10		1	LOW	Q16	20.01	19.94	20.08	21.50
			MID	Q16	19.96	20.14	19.83	21.50
	HIGH		Q16	20.10	20.03	20.11	21.50	
	25	LOW	Q16	19.09	18.81	19.02	20.50	
		MID	Q16	18.98	18.98	19.06	20.50	
		HIGH	Q16	19.10	19.02	18.99	20.50	
	50	LOW	Q16	19.00	18.96	18.96	20.50	
	10	1	LOW	64QAM	18.98	19.03	19.10	20.50
			MID	64QAM	18.93	18.75	18.91	20.50
HIGH			64QAM	19.11	18.75	19.18	20.50	
25		LOW	64QAM	17.96	18.12	17.81	19.50	
		MID	64QAM	17.97	18.10	18.18	19.50	
		HIGH	64QAM	17.91	17.85	18.14	19.50	
50		LOW	64QAM	18.02	17.90	17.93	19.50	



LTE B7-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	21.13	21.01	20.90	22.50	
		MID	QPSK	20.93	21.05	20.92	22.50	
		HIGH	QPSK	20.95	21.07	21.05	22.50	
	36	LOW	QPSK	19.99	20.12	19.86	21.50	
		MID	QPSK	20.11	19.92	19.91	21.50	
		HIGH	QPSK	19.89	20.05	20.19	21.50	
	75	LOW	QPSK	19.85	20.00	20.26	21.50	
	15	1	LOW	Q16	19.85	19.94	20.08	21.50
			MID	Q16	20.08	19.96	19.95	21.50
HIGH			Q16	20.11	19.94	20.21	21.50	
36		LOW	Q16	19.04	18.77	19.19	20.50	
		MID	Q16	19.04	19.06	19.04	20.50	
		HIGH	Q16	19.01	18.98	19.04	20.50	
75		LOW	Q16	18.75	19.04	19.00	20.50	
15		1	LOW	64QAM	18.84	18.90	19.12	20.50
			MID	64QAM	18.88	18.82	19.11	20.50
	HIGH		64QAM	19.23	18.74	19.10	20.50	
	36	LOW	64QAM	17.96	18.06	17.95	19.50	
		MID	64QAM	17.98	18.04	17.96	19.50	
		HIGH	64QAM	17.81	18.05	18.13	19.50	
	75	LOW	64QAM	18.09	17.94	17.76	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.99	20.91	21.03	22.50
MID			QPSK	21.08	21.04	20.87	22.50	
HIGH			QPSK	20.85	21.08	20.96	22.50	
50		LOW	QPSK	19.93	20.07	19.92	21.50	
		MID	QPSK	20.02	19.96	19.97	21.50	
		HIGH	QPSK	19.96	19.93	20.09	21.50	
100		LOW	QPSK	19.89	20.00	20.13	21.50	
20		1	LOW	Q16	19.95	20.02	20.03	21.50
			MID	Q16	20.01	20.09	19.98	21.50
	HIGH		Q16	20.11	19.96	20.10	21.50	
	50	LOW	Q16	19.00	18.91	19.15	20.50	
		MID	Q16	18.96	18.94	19.02	20.50	
		HIGH	Q16	19.06	19.04	19.09	20.50	
	100	LOW	Q16	18.89	18.99	18.91	20.50	
	20	1	LOW	64QAM	18.91	18.96	18.99	20.50
			MID	64QAM	18.96	18.90	18.96	20.50
HIGH			64QAM	19.12	18.88	19.14	20.50	
50		LOW	64QAM	18.11	18.04	17.93	19.50	
		MID	64QAM	18.12	17.99	18.06	19.50	
		HIGH	64QAM	17.92	17.98	18.02	19.50	
100		LOW	64QAM	18.13	17.87	17.90	19.50	

LTE B7-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	13.83	13.83	14.09	15.50	
		MID	QPSK	13.90	13.87	14.18	15.50	
		HIGH	QPSK	14.07	14.00	13.91	15.50	
	12	LOW	QPSK	14.16	14.00	13.77	15.50	
		MID	QPSK	13.89	13.92	13.97	15.50	
		HIGH	QPSK	14.04	13.73	14.09	15.50	
	25	LOW	QPSK	14.07	14.26	13.86	15.50	
	5	1	LOW	Q16	14.10	13.90	13.98	15.50
			MID	Q16	14.00	14.02	13.90	15.50
HIGH			Q16	13.96	14.04	13.92	15.50	
12		LOW	Q16	14.14	14.14	13.85	15.50	
		MID	Q16	13.88	14.08	14.15	15.50	
		HIGH	Q16	14.11	14.10	13.99	15.50	
25		LOW	Q16	14.18	14.14	14.10	15.50	
5		1	LOW	64QAM	13.83	13.77	14.17	15.50
			MID	64QAM	14.05	14.11	14.12	15.50
	HIGH		64QAM	14.01	14.21	13.80	15.50	
	12	LOW	64QAM	14.06	13.91	14.12	15.50	
		MID	64QAM	13.73	14.02	14.09	15.50	
		HIGH	64QAM	13.79	13.82	14.27	15.50	
	25	LOW	64QAM	13.74	13.88	14.09	15.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	13.79	13.95	13.90	15.50
MID			QPSK	13.70	13.90	14.16	15.50	
HIGH			QPSK	13.99	13.82	13.75	15.50	
25		LOW	QPSK	14.11	13.93	13.93	15.50	
		MID	QPSK	13.85	13.85	14.05	15.50	
		HIGH	QPSK	13.93	13.99	14.02	15.50	
50		LOW	QPSK	14.17	14.20	13.78	15.50	
10		1	LOW	Q16	14.29	14.13	13.92	15.50
			MID	Q16	14.11	14.03	13.98	15.50
	HIGH		Q16	13.72	13.82	14.00	15.50	
	25	LOW	Q16	14.08	14.11	13.91	15.50	
		MID	Q16	13.87	13.99	14.19	15.50	
		HIGH	Q16	13.86	14.10	13.91	15.50	
	50	LOW	Q16	14.03	14.28	14.22	15.50	
	10	1	LOW	64QAM	14.06	13.88	13.99	15.50
			MID	64QAM	13.86	14.08	14.08	15.50
HIGH			64QAM	13.88	14.11	13.98	15.50	
25		LOW	64QAM	14.17	13.93	14.04	15.50	
		MID	64QAM	13.71	13.77	14.04	15.50	
		HIGH	64QAM	14.04	13.71	14.09	15.50	
50		LOW	64QAM	13.92	14.03	13.97	15.50	

LTE B7-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	13.87	13.84	14.04	15.50	
		MID	QPSK	13.98	14.04	14.03	15.50	
		HIGH	QPSK	13.99	13.77	13.84	15.50	
	36	LOW	QPSK	14.04	14.16	13.78	15.50	
		MID	QPSK	14.00	13.80	14.10	15.50	
		HIGH	QPSK	13.99	13.93	14.03	15.50	
	75	LOW	QPSK	14.20	14.03	13.85	15.50	
	15	1	LOW	Q16	14.03	14.09	13.76	15.50
			MID	Q16	14.26	14.00	14.14	15.50
HIGH			Q16	13.70	13.80	13.82	15.50	
36		LOW	Q16	14.07	14.19	13.82	15.50	
		MID	Q16	13.92	13.84	14.11	15.50	
		HIGH	Q16	13.97	14.08	13.96	15.50	
75		LOW	Q16	14.12	14.08	14.08	15.50	
15		1	LOW	64QAM	13.95	13.74	14.10	15.50
			MID	64QAM	13.98	14.18	13.91	15.50
	HIGH		64QAM	13.99	14.18	13.79	15.50	
	36	LOW	64QAM	14.16	14.04	14.10	15.50	
		MID	64QAM	13.80	13.84	14.26	15.50	
		HIGH	64QAM	14.05	13.76	14.13	15.50	
	75	LOW	64QAM	13.86	13.86	14.12	15.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	13.90	13.98	13.95	15.50
MID			QPSK	13.85	13.95	14.08	15.50	
HIGH			QPSK	14.05	13.92	13.85	15.50	
50		LOW	QPSK	14.06	14.01	13.91	15.50	
		MID	QPSK	13.94	13.88	14.06	15.50	
		HIGH	QPSK	14.00	13.87	14.15	15.50	
100		LOW	QPSK	14.05	14.12	13.88	15.50	
20		1	LOW	Q16	14.15	14.04	13.91	15.50
			MID	Q16	14.12	13.97	14.02	15.50
	HIGH		Q16	13.85	13.91	13.96	15.50	
	50	LOW	Q16	14.11	14.12	13.90	15.50	
		MID	Q16	14.01	13.95	14.12	15.50	
		HIGH	Q16	13.99	14.09	13.97	15.50	
	100	LOW	Q16	14.06	14.14	14.12	15.50	
	20	1	LOW	64QAM	13.94	13.88	14.13	15.50
			MID	64QAM	13.99	14.08	13.98	15.50
HIGH			64QAM	13.97	14.12	13.90	15.50	
50		LOW	64QAM	14.09	14.06	13.97	15.50	
		MID	64QAM	13.85	13.88	14.13	15.50	
		HIGH	64QAM	13.93	13.86	14.14	15.50	
100		LOW	64QAM	13.89	13.96	14.11	15.50	

LTE B7-DSI4 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	20.86	21.00	20.98	22.50	
		MID	QPSK	21.01	20.96	20.78	22.50	
		HIGH	QPSK	20.73	21.11	20.98	22.50	
	12	LOW	QPSK	20.03	20.04	19.97	21.50	
		MID	QPSK	20.09	20.10	19.95	21.50	
		HIGH	QPSK	19.98	19.83	19.95	21.50	
	25	LOW	QPSK	19.87	19.89	20.08	21.50	
	5	1	LOW	Q16	19.94	19.95	20.01	21.50
			MID	Q16	20.08	20.06	19.85	21.50
HIGH			Q16	20.14	19.82	20.08	21.50	
12		LOW	Q16	18.97	18.80	19.30	20.50	
		MID	Q16	19.00	18.91	18.93	20.50	
		HIGH	Q16	19.14	18.98	19.24	20.50	
25		LOW	Q16	18.93	19.07	19.02	20.50	
5		1	LOW	64QAM	18.80	19.11	18.84	20.50
			MID	64QAM	18.87	18.98	18.90	20.50
	HIGH		64QAM	19.16	18.85	19.19	20.50	
	12	LOW	64QAM	18.14	18.02	17.82	19.50	
		MID	64QAM	18.15	18.14	17.91	19.50	
		HIGH	64QAM	18.01	17.90	18.07	19.50	
	25	LOW	64QAM	18.24	17.78	17.81	19.50	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	20.99	20.89	20.88	22.50
MID			QPSK	21.17	21.00	20.85	22.50	
HIGH			QPSK	20.77	21.02	21.09	22.50	
25		LOW	QPSK	19.81	20.12	19.99	21.50	
		MID	QPSK	19.94	19.91	19.95	21.50	
		HIGH	QPSK	20.08	19.98	20.02	21.50	
50		LOW	QPSK	19.89	19.94	20.19	21.50	
10		1	LOW	Q16	20.01	19.94	20.08	21.50
			MID	Q16	19.96	20.14	19.83	21.50
	HIGH		Q16	20.10	20.03	20.11	21.50	
	25	LOW	Q16	19.09	18.81	19.02	20.50	
		MID	Q16	18.98	18.98	19.06	20.50	
		HIGH	Q16	19.10	19.02	18.99	20.50	
	50	LOW	Q16	19.00	18.96	18.96	20.50	
	10	1	LOW	64QAM	18.98	19.03	19.10	20.50
			MID	64QAM	18.93	18.75	18.91	20.50
HIGH			64QAM	19.11	18.75	19.18	20.50	
25		LOW	64QAM	17.96	18.12	17.81	19.50	
		MID	64QAM	17.97	18.10	18.18	19.50	
		HIGH	64QAM	17.91	17.85	18.14	19.50	
50		LOW	64QAM	18.02	17.90	17.93	19.50	

LTE B7-DSI4 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	21.13	21.01	20.90	22.50	
		MID	QPSK	20.93	21.05	20.92	22.50	
		HIGH	QPSK	20.95	21.07	21.05	22.50	
	36	LOW	QPSK	19.99	20.12	19.86	21.50	
		MID	QPSK	20.11	19.92	19.91	21.50	
		HIGH	QPSK	19.89	20.05	20.19	21.50	
	75	LOW	QPSK	19.85	20.00	20.26	21.50	
	15	1	LOW	Q16	19.85	19.94	20.08	21.50
			MID	Q16	20.08	19.96	19.95	21.50
HIGH			Q16	20.11	19.94	20.21	21.50	
36		LOW	Q16	19.04	18.77	19.19	20.50	
		MID	Q16	19.04	19.06	19.04	20.50	
		HIGH	Q16	19.01	18.98	19.04	20.50	
75		LOW	Q16	18.75	19.04	19.00	20.50	
15		1	LOW	64QAM	18.84	18.90	19.12	20.50
			MID	64QAM	18.88	18.82	19.11	20.50
	HIGH		64QAM	19.23	18.74	19.10	20.50	
	36	LOW	64QAM	17.96	18.06	17.95	19.50	
		MID	64QAM	17.98	18.04	17.96	19.50	
		HIGH	64QAM	17.81	18.05	18.13	19.50	
	75	LOW	64QAM	18.09	17.94	17.76	19.50	
	Bandwidth (	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	20.99	20.91	21.03	22.50
MID			QPSK	21.08	21.04	20.87	22.50	
HIGH			QPSK	20.85	21.08	20.96	22.50	
50		LOW	QPSK	19.93	20.07	19.92	21.50	
		MID	QPSK	20.02	19.96	19.97	21.50	
		HIGH	QPSK	19.96	19.93	20.09	21.50	
100		LOW	QPSK	19.89	20.00	20.13	21.50	
20		1	LOW	Q16	19.95	20.02	20.03	21.50
			MID	Q16	20.01	20.09	19.98	21.50
	HIGH		Q16	20.11	19.96	20.10	21.50	
	50	LOW	Q16	19.00	18.91	19.15	20.50	
		MID	Q16	18.96	18.94	19.02	20.50	
		HIGH	Q16	19.06	19.04	19.09	20.50	
	100	LOW	Q16	18.89	18.99	18.91	20.50	
	20	1	LOW	64QAM	18.91	18.96	18.99	20.50
			MID	64QAM	18.96	18.90	18.96	20.50
HIGH			64QAM	19.12	18.88	19.14	20.50	
50		LOW	64QAM	18.11	18.04	17.93	19.50	
		MID	64QAM	18.12	17.99	18.06	19.50	
		HIGH	64QAM	17.92	17.98	18.02	19.50	
100		LOW	64QAM	18.13	17.87	17.90	19.50	

LTE B7-DSI5 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	13.39	13.64	13.47	15.00	
		MID	QPSK	13.59	13.61	13.54	15.00	
		HIGH	QPSK	13.60	13.60	13.45	15.00	
	12	LOW	QPSK	13.62	13.71	13.47	15.00	
		MID	QPSK	13.62	13.49	13.34	15.00	
		HIGH	QPSK	13.40	13.59	13.69	15.00	
	25	LOW	QPSK	13.37	13.61	13.29	15.00	
	5	1	LOW	Q16	13.46	13.41	13.46	15.00
			MID	Q16	13.50	13.35	13.56	15.00
HIGH			Q16	13.37	13.32	13.44	15.00	
12		LOW	Q16	13.61	13.43	13.32	15.00	
		MID	Q16	13.58	13.35	13.61	15.00	
		HIGH	Q16	13.56	13.48	13.43	15.00	
25		LOW	Q16	13.54	13.59	13.47	15.00	
5		1	LOW	64QAM	13.48	13.47	13.45	15.00
			MID	64QAM	13.60	13.47	13.57	15.00
	HIGH		64QAM	13.53	13.53	13.42	15.00	
	12	LOW	64QAM	13.53	13.54	13.61	15.00	
		MID	64QAM	13.34	13.42	13.40	15.00	
		HIGH	64QAM	13.41	13.53	13.62	15.00	
	25	LOW	64QAM	13.67	13.54	13.71	15.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	13.49	13.67	13.53	15.00
MID			QPSK	13.45	13.69	13.61	15.00	
HIGH			QPSK	13.53	13.56	13.34	15.00	
25		LOW	QPSK	13.60	13.60	13.59	15.00	
		MID	QPSK	13.49	13.49	13.44	15.00	
		HIGH	QPSK	13.36	13.65	13.65	15.00	
50		LOW	QPSK	13.55	13.58	13.55	15.00	
10		1	LOW	Q16	13.52	13.60	13.39	15.00
			MID	Q16	13.61	13.56	13.51	15.00
	HIGH		Q16	13.46	13.37	13.37	15.00	
	25	LOW	Q16	13.37	13.25	13.49	15.00	
		MID	Q16	13.61	13.26	13.66	15.00	
		HIGH	Q16	13.39	13.41	13.31	15.00	
	50	LOW	Q16	13.26	13.67	13.63	15.00	
	10	1	LOW	64QAM	13.71	13.36	13.30	15.00
			MID	64QAM	13.38	13.44	13.50	15.00
HIGH			64QAM	13.41	13.67	13.45	15.00	
25		LOW	64QAM	13.32	13.36	13.44	15.00	
		MID	64QAM	13.47	13.33	13.53	15.00	
		HIGH	64QAM	13.43	13.74	13.64	15.00	
50		LOW	64QAM	13.63	13.51	13.71	15.00	

LTE B7-DSI5 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	13.59	13.57	13.56	15.00	
		MID	QPSK	13.48	13.53	13.58	15.00	
		HIGH	QPSK	13.66	13.66	13.33	15.00	
	36	LOW	QPSK	13.39	13.53	13.54	15.00	
		MID	QPSK	13.45	13.32	13.51	15.00	
		HIGH	QPSK	13.29	13.59	13.46	15.00	
	75	LOW	QPSK	13.40	13.48	13.29	15.00	
	15	1	LOW	Q16	13.57	13.58	13.59	15.00
			MID	Q16	13.62	13.40	13.49	15.00
HIGH			Q16	13.33	13.40	13.37	15.00	
36		LOW	Q16	13.53	13.42	13.28	15.00	
		MID	Q16	13.57	13.25	13.60	15.00	
		HIGH	Q16	13.45	13.44	13.25	15.00	
75		LOW	Q16	13.27	13.50	13.62	15.00	
15		1	LOW	64QAM	13.48	13.53	13.38	15.00
			MID	64QAM	13.49	13.46	13.75	15.00
	HIGH		64QAM	13.31	13.59	13.42	15.00	
	36	LOW	64QAM	13.31	13.39	13.47	15.00	
		MID	64QAM	13.39	13.48	13.38	15.00	
		HIGH	64QAM	13.52	13.55	13.43	15.00	
	75	LOW	64QAM	13.66	13.44	13.44	15.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	13.54	13.65	13.53	15.00
MID			QPSK	13.52	13.61	13.56	15.00	
HIGH			QPSK	13.60	13.58	13.41	15.00	
50		LOW	QPSK	13.54	13.63	13.45	15.00	
		MID	QPSK	13.55	13.41	13.44	15.00	
		HIGH	QPSK	13.42	13.58	13.54	15.00	
100		LOW	QPSK	13.43	13.56	13.44	15.00	
20		1	LOW	Q16	13.56	13.56	13.51	15.00
			MID	Q16	13.65	13.47	13.47	15.00
	HIGH		Q16	13.39	13.44	13.44	15.00	
	50	LOW	Q16	13.46	13.35	13.35	15.00	
		MID	Q16	13.51	13.38	13.55	15.00	
		HIGH	Q16	13.42	13.53	13.38	15.00	
	100	LOW	Q16	13.40	13.52	13.60	15.00	
	20	1	LOW	64QAM	13.59	13.51	13.37	15.00
			MID	64QAM	13.52	13.56	13.64	15.00
HIGH			64QAM	13.44	13.64	13.47	15.00	
50		LOW	64QAM	13.41	13.41	13.50	15.00	
		MID	64QAM	13.37	13.37	13.40	15.00	
		HIGH	64QAM	13.49	13.62	13.54	15.00	
100		LOW	64QAM	13.52	13.39	13.58	15.00	

LTE B7-DSI8&9&10 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	20775	21100	21425	Tune-up power(dBm)	
5	1	LOW	QPSK	12.37	12.52	12.62	14.00	
		MID	QPSK	12.28	12.46	12.54	14.00	
		HIGH	QPSK	12.63	12.60	12.46	14.00	
	12	LOW	QPSK	12.60	12.52	12.64	14.00	
		MID	QPSK	12.28	12.61	12.45	14.00	
		HIGH	QPSK	12.43	12.56	12.31	14.00	
	25	LOW	QPSK	12.37	12.33	12.39	14.00	
	5	1	LOW	Q16	12.50	12.61	12.45	14.00
			MID	Q16	12.57	12.57	12.39	14.00
HIGH			Q16	12.34	12.55	12.58	14.00	
12		LOW	Q16	12.48	12.58	12.69	14.00	
		MID	Q16	12.63	12.50	12.38	14.00	
		HIGH	Q16	12.50	12.41	12.68	14.00	
25		LOW	Q16	12.72	12.49	12.55	14.00	
5		1	LOW	64QAM	12.62	12.51	12.37	14.00
			MID	64QAM	12.66	12.41	12.38	14.00
	HIGH		64QAM	12.77	12.35	12.50	14.00	
	12	LOW	64QAM	12.59	12.39	12.47	14.00	
		MID	64QAM	12.29	12.66	12.65	14.00	
		HIGH	64QAM	12.45	12.48	12.63	14.00	
	25	LOW	64QAM	12.62	12.33	12.51	14.00	
	Bandwidth (	RB Size	RB offset	Modulation	20800	21100	21400	Tune-up power(dBm)
	10	1	LOW	QPSK	12.55	12.46	12.47	14.00
MID			QPSK	12.43	12.30	12.62	14.00	
HIGH			QPSK	12.70	12.69	12.46	14.00	
25		LOW	QPSK	12.56	12.58	12.52	14.00	
		MID	QPSK	12.32	12.46	12.60	14.00	
		HIGH	QPSK	12.40	12.51	12.35	14.00	
50		LOW	QPSK	12.54	12.33	12.49	14.00	
10		1	LOW	Q16	12.53	12.35	12.29	14.00
			MID	Q16	12.56	12.45	12.35	14.00
	HIGH		Q16	12.50	12.58	12.70	14.00	
	25	LOW	Q16	12.31	12.37	12.44	14.00	
		MID	Q16	12.59	12.53	12.51	14.00	
		HIGH	Q16	12.43	12.41	12.78	14.00	
	50	LOW	Q16	12.57	12.48	12.59	14.00	
	10	1	LOW	64QAM	12.67	12.40	12.30	14.00
			MID	64QAM	12.71	12.36	12.37	14.00
HIGH			64QAM	12.64	12.37	12.42	14.00	
25		LOW	64QAM	12.54	12.49	12.52	14.00	
		MID	64QAM	12.50	12.66	12.77	14.00	
		HIGH	64QAM	12.64	12.55	12.53	14.00	
50		LOW	64QAM	12.61	12.29	12.44	14.00	



LTE B7-DSI8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	20825	21100	21375	Tune-up power(dBm)	
15	1	LOW	QPSK	12.56	12.47	12.44	14.00	
		MID	QPSK	12.51	12.54	12.56	14.00	
		HIGH	QPSK	12.52	12.51	12.45	14.00	
	36	LOW	QPSK	12.40	12.57	12.66	14.00	
		MID	QPSK	12.44	12.45	12.46	14.00	
		HIGH	QPSK	12.55	12.51	12.40	14.00	
	75	LOW	QPSK	12.32	12.31	12.44	14.00	
	15	1	LOW	Q16	12.65	12.48	12.33	14.00
			MID	Q16	12.49	12.33	12.40	14.00
HIGH			Q16	12.40	12.57	12.63	14.00	
36		LOW	Q16	12.44	12.47	12.52	14.00	
		MID	Q16	12.52	12.25	12.37	14.00	
		HIGH	Q16	12.51	12.39	12.51	14.00	
75		LOW	Q16	12.50	12.45	12.49	14.00	
15		1	LOW	64QAM	12.51	12.64	12.53	14.00
			MID	64QAM	12.72	12.32	12.52	14.00
	HIGH		64QAM	12.67	12.45	12.43	14.00	
	36	LOW	64QAM	12.56	12.55	12.30	14.00	
		MID	64QAM	12.44	12.48	12.64	14.00	
		HIGH	64QAM	12.61	12.39	12.66	14.00	
	75	LOW	64QAM	12.50	12.50	12.55	14.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	20850	21100	21350	Tune-up power(dBm)
	20	1	LOW	QPSK	12.42	12.45	12.59	14.00
MID			QPSK	12.38	12.44	12.60	14.00	
HIGH			QPSK	12.60	12.60	12.47	14.00	
50		LOW	QPSK	12.46	12.46	12.51	14.00	
		MID	QPSK	12.40	12.47	12.58	14.00	
		HIGH	QPSK	12.49	12.50	12.36	14.00	
100		LOW	QPSK	12.47	12.41	12.35	14.00	
20		1	LOW	Q16	12.51	12.50	12.42	14.00
			MID	Q16	12.44	12.47	12.39	14.00
	HIGH		Q16	12.44	12.58	12.65	14.00	
	50	LOW	Q16	12.41	12.45	12.56	14.00	
		MID	Q16	12.48	12.39	12.49	14.00	
		HIGH	Q16	12.46	12.49	12.64	14.00	
	100	LOW	Q16	12.58	12.56	12.46	14.00	
	20	1	LOW	64QAM	12.62	12.49	12.40	14.00
			MID	64QAM	12.61	12.38	12.38	14.00
HIGH			64QAM	12.62	12.37	12.57	14.00	
50		LOW	64QAM	12.63	12.50	12.38	14.00	
		MID	64QAM	12.44	12.56	12.64	14.00	
		HIGH	64QAM	12.58	12.40	12.59	14.00	
100		LOW	64QAM	12.47	12.44	12.41	14.00	

### 8.3.5 LTE Band12 Output Power

LTE B12-Full Power -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.68	23.40	23.46	25.00
		MID	QPSK	23.68	23.58	23.63	25.00
		HIGH	QPSK	23.44	23.62	23.73	25.00
	3	LOW	QPSK	23.44	23.53	23.40	25.00
		MID	QPSK	23.51	23.75	23.70	25.00
		HIGH	QPSK	23.43	23.70	23.63	25.00
6	LOW	QPSK	22.60	22.65	22.65	24.00	
1.4	1	LOW	Q16	22.78	22.82	22.67	24.00
		MID	Q16	22.92	22.94	22.93	24.00
		HIGH	Q16	23.05	22.95	22.50	24.00
	3	LOW	Q16	22.84	22.77	22.71	24.00
		MID	Q16	22.91	22.75	22.86	24.00
		HIGH	Q16	22.91	22.80	22.57	24.00
6	LOW	Q16	21.68	21.42	21.52	23.00	
1.4	1	LOW	64QAM	21.77	21.95	21.55	23.00
		MID	64QAM	21.94	21.84	21.89	23.00
		HIGH	64QAM	22.05	22.08	21.44	23.00
	3	LOW	64QAM	21.94	21.76	21.74	23.00
		MID	64QAM	21.94	21.60	21.76	23.00
		HIGH	64QAM	21.97	21.84	21.66	23.00
6	LOW	64QAM	20.54	20.50	20.65	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.49	23.38	23.56	25.00
		MID	QPSK	23.56	23.66	23.59	25.00
		HIGH	QPSK	23.73	23.41	23.73	25.00
	8	LOW	QPSK	22.47	22.64	22.50	24.00
		MID	QPSK	22.69	22.56	22.61	24.00
		HIGH	QPSK	22.58	22.70	22.56	24.00
15	LOW	QPSK	22.58	22.63	22.56	24.00	
3	1	LOW	Q16	22.95	22.76	22.85	24.00
		MID	Q16	23.12	22.74	22.64	24.00
		HIGH	Q16	23.02	22.86	22.68	24.00
	8	LOW	Q16	21.43	21.58	21.43	23.00
		MID	Q16	21.50	21.46	21.55	23.00
		HIGH	Q16	21.75	21.46	21.72	23.00
15	LOW	Q16	21.53	21.61	21.69	23.00	
3	1	LOW	64QAM	21.67	21.78	21.52	23.00
		MID	64QAM	21.69	21.95	21.68	23.00
		HIGH	64QAM	22.04	22.11	21.72	23.00
	8	LOW	64QAM	20.82	20.45	20.47	22.00
		MID	64QAM	20.50	20.42	20.62	22.00
		HIGH	64QAM	20.53	20.60	20.68	22.00
15	LOW	64QAM	20.50	20.44	20.72	22.00	

LTE B12-Full Power -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.65	23.60	23.42	25.00	
		MID	QPSK	23.58	23.54	23.55	25.00	
		HIGH	QPSK	23.47	23.51	23.58	25.00	
	12	LOW	QPSK	22.66	22.57	22.54	24.00	
		MID	QPSK	22.62	22.67	22.75	24.00	
		HIGH	QPSK	22.82	22.52	22.65	24.00	
	25	LOW	QPSK	22.47	22.56	22.43	24.00	
	5	1	LOW	Q16	22.90	22.77	22.64	24.00
			MID	Q16	22.91	22.85	22.70	24.00
HIGH			Q16	22.79	23.00	22.47	24.00	
12		LOW	Q16	21.63	21.50	21.48	23.00	
		MID	Q16	21.68	21.56	21.73	23.00	
		HIGH	Q16	21.52	21.60	21.61	23.00	
25		LOW	Q16	21.59	21.49	21.60	23.00	
5		1	LOW	64QAM	21.79	21.77	21.66	23.00
			MID	64QAM	21.96	21.77	21.75	23.00
	HIGH		64QAM	22.01	21.99	21.77	23.00	
	12	LOW	64QAM	20.67	20.51	20.34	22.00	
		MID	64QAM	20.57	20.53	20.72	22.00	
		HIGH	64QAM	20.69	20.64	20.55	22.00	
	25	LOW	64QAM	20.55	20.54	20.68	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.56	23.52	23.51	25.00
MID			QPSK	23.60	23.61	23.62	25.00	
HIGH			QPSK	23.58	23.55	23.60	25.00	
25		LOW	QPSK	22.53	22.52	22.71	24.00	
		MID	QPSK	22.65	22.58	22.62	24.00	
		HIGH	QPSK	22.67	22.58	22.59	24.00	
50		LOW	QPSK	22.61	22.53	22.58	24.00	
10		1	LOW	Q16	22.81	22.78	22.73	24.00
			MID	Q16	22.97	22.83	22.78	24.00
	HIGH		Q16	22.93	22.87	22.59	24.00	
	25	LOW	Q16	21.53	21.52	21.54	23.00	
		MID	Q16	21.61	21.57	21.65	23.00	
		HIGH	Q16	21.61	21.59	21.62	23.00	
	50	LOW	Q16	21.61	21.53	21.62	23.00	
	10	1	LOW	64QAM	21.66	21.88	21.64	23.00
			MID	64QAM	21.83	21.92	21.76	23.00
HIGH			64QAM	21.94	22.02	21.67	23.00	
25		LOW	64QAM	20.68	20.50	20.47	22.00	
		MID	64QAM	20.57	20.48	20.60	22.00	
		HIGH	64QAM	20.60	20.62	20.65	22.00	
50		LOW	64QAM	20.65	20.52	20.70	22.00	

LTE B12-DSI2&3&4&5&8&9&10 -Ant.13							
Bandwidth (	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.68	23.40	23.46	25.00
		MID	QPSK	23.68	23.58	23.63	25.00
		HIGH	QPSK	23.44	23.62	23.73	25.00
	3	LOW	QPSK	23.44	23.53	23.40	25.00
		MID	QPSK	23.51	23.75	23.70	25.00
		HIGH	QPSK	23.43	23.70	23.63	25.00
6	LOW	QPSK	22.60	22.65	22.65	24.00	
1.4	1	LOW	Q16	22.78	22.82	22.67	24.00
		MID	Q16	22.92	22.94	22.93	24.00
		HIGH	Q16	23.05	22.95	22.50	24.00
	3	LOW	Q16	22.84	22.77	22.71	24.00
		MID	Q16	22.91	22.75	22.86	24.00
		HIGH	Q16	22.91	22.80	22.57	24.00
6	LOW	Q16	21.68	21.42	21.52	23.00	
1.4	1	LOW	64QAM	21.77	21.95	21.55	23.00
		MID	64QAM	21.94	21.84	21.89	23.00
		HIGH	64QAM	22.05	22.08	21.44	23.00
	3	LOW	64QAM	21.94	21.76	21.74	23.00
		MID	64QAM	21.94	21.60	21.76	23.00
		HIGH	64QAM	21.97	21.84	21.66	23.00
6	LOW	64QAM	20.54	20.50	20.65	22.00	
Bandwidth (	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.49	23.38	23.56	25.00
		MID	QPSK	23.56	23.66	23.59	25.00
		HIGH	QPSK	23.73	23.41	23.73	25.00
	8	LOW	QPSK	22.47	22.64	22.50	24.00
		MID	QPSK	22.69	22.56	22.61	24.00
		HIGH	QPSK	22.58	22.70	22.56	24.00
15	LOW	QPSK	22.58	22.63	22.56	24.00	
3	1	LOW	Q16	22.95	22.76	22.85	24.00
		MID	Q16	23.12	22.74	22.64	24.00
		HIGH	Q16	23.02	22.86	22.68	24.00
	8	LOW	Q16	21.43	21.58	21.43	23.00
		MID	Q16	21.50	21.46	21.55	23.00
		HIGH	Q16	21.75	21.46	21.72	23.00
15	LOW	Q16	21.53	21.61	21.69	23.00	
3	1	LOW	64QAM	21.67	21.78	21.52	23.00
		MID	64QAM	21.69	21.95	21.68	23.00
		HIGH	64QAM	22.04	22.11	21.72	23.00
	8	LOW	64QAM	20.82	20.45	20.47	22.00
		MID	64QAM	20.50	20.42	20.62	22.00
		HIGH	64QAM	20.53	20.60	20.68	22.00
15	LOW	64QAM	20.50	20.44	20.72	22.00	

LTE B12-DSI2&3&4&5&8&9&10 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)	
5	1	LOW	QPSK	23.65	23.60	23.42	25.00	
		MID	QPSK	23.58	23.54	23.55	25.00	
		HIGH	QPSK	23.47	23.51	23.58	25.00	
	12	LOW	QPSK	22.66	22.57	22.54	24.00	
		MID	QPSK	22.62	22.67	22.75	24.00	
		HIGH	QPSK	22.82	22.52	22.65	24.00	
	25	LOW	QPSK	22.47	22.56	22.43	24.00	
	5	1	LOW	Q16	22.90	22.77	22.64	24.00
			MID	Q16	22.91	22.85	22.70	24.00
HIGH			Q16	22.79	23.00	22.47	24.00	
12		LOW	Q16	21.63	21.50	21.48	23.00	
		MID	Q16	21.68	21.56	21.73	23.00	
		HIGH	Q16	21.52	21.60	21.61	23.00	
25		LOW	Q16	21.59	21.49	21.60	23.00	
5		1	LOW	64QAM	21.79	21.77	21.66	23.00
			MID	64QAM	21.96	21.77	21.75	23.00
	HIGH		64QAM	22.01	21.99	21.77	23.00	
	12	LOW	64QAM	20.67	20.51	20.34	22.00	
		MID	64QAM	20.57	20.53	20.72	22.00	
		HIGH	64QAM	20.69	20.64	20.55	22.00	
	25	LOW	64QAM	20.55	20.54	20.68	22.00	
	Bandwidth (	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
	10	1	LOW	QPSK	23.56	23.52	23.51	25.00
MID			QPSK	23.60	23.61	23.62	25.00	
HIGH			QPSK	23.58	23.55	23.60	25.00	
25		LOW	QPSK	22.53	22.52	22.71	24.00	
		MID	QPSK	22.65	22.58	22.62	24.00	
		HIGH	QPSK	22.67	22.58	22.59	24.00	
50		LOW	QPSK	22.61	22.53	22.58	24.00	
10		1	LOW	Q16	22.81	22.78	22.73	24.00
			MID	Q16	22.97	22.83	22.78	24.00
	HIGH		Q16	22.93	22.87	22.59	24.00	
	25	LOW	Q16	21.53	21.52	21.54	23.00	
		MID	Q16	21.61	21.57	21.65	23.00	
		HIGH	Q16	21.61	21.59	21.62	23.00	
	50	LOW	Q16	21.61	21.53	21.62	23.00	
	10	1	LOW	64QAM	21.66	21.88	21.64	23.00
			MID	64QAM	21.83	21.92	21.76	23.00
HIGH			64QAM	21.94	22.02	21.67	23.00	
25		LOW	64QAM	20.68	20.50	20.47	22.00	
		MID	64QAM	20.57	20.48	20.60	22.00	
		HIGH	64QAM	20.60	20.62	20.65	22.00	
50		LOW	64QAM	20.65	20.52	20.70	22.00	

## 8.3.5 LTE Band12 Output Power

LTE B12-Full Power -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.19	23.25	23.33	25.00
		MID	QPSK	23.33	23.18	23.32	25.00
		HIGH	QPSK	23.16	23.19	23.36	25.00
	3	LOW	QPSK	23.33	23.23	23.20	25.00
		MID	QPSK	23.22	23.41	23.37	25.00
		HIGH	QPSK	23.14	23.37	23.27	25.00
6	LOW	QPSK	22.46	22.34	22.50	24.00	
1.4	1	LOW	Q16	22.66	22.47	22.55	24.00
		MID	Q16	22.43	22.45	22.40	24.00
		HIGH	Q16	22.74	22.45	22.34	24.00
	3	LOW	Q16	22.47	22.44	22.54	24.00
		MID	Q16	22.45	22.51	22.39	24.00
		HIGH	Q16	22.58	22.53	22.29	24.00
6	LOW	Q16	21.34	21.36	21.35	23.00	
1.4	1	LOW	64QAM	21.52	21.56	21.44	23.00
		MID	64QAM	21.49	21.58	21.31	23.00
		HIGH	64QAM	21.75	21.31	21.46	23.00
	3	LOW	64QAM	21.45	21.39	21.41	23.00
		MID	64QAM	21.38	21.57	21.48	23.00
		HIGH	64QAM	21.50	21.55	21.28	23.00
6	LOW	64QAM	20.24	20.43	20.37	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.32	23.15	23.26	25.00
		MID	QPSK	23.30	23.41	23.39	25.00
		HIGH	QPSK	23.28	23.28	23.22	25.00
	8	LOW	QPSK	22.40	22.25	22.25	24.00
		MID	QPSK	22.43	22.44	22.37	24.00
		HIGH	QPSK	22.18	22.47	22.39	24.00
15	LOW	QPSK	22.41	22.15	22.44	24.00	
3	1	LOW	Q16	22.40	22.52	22.66	24.00
		MID	Q16	22.64	22.68	22.49	24.00
		HIGH	Q16	22.65	22.48	22.44	24.00
	8	LOW	Q16	21.32	21.09	21.16	23.00
		MID	Q16	21.34	21.22	21.31	23.00
		HIGH	Q16	21.45	21.23	21.25	23.00
15	LOW	Q16	21.40	21.25	21.49	23.00	
3	1	LOW	64QAM	21.54	21.33	21.57	23.00
		MID	64QAM	21.63	21.87	21.32	23.00
		HIGH	64QAM	21.66	21.60	21.41	23.00
	8	LOW	64QAM	20.19	20.25	20.50	22.00
		MID	64QAM	20.63	20.27	20.36	22.00
		HIGH	64QAM	20.33	20.19	20.33	22.00
15	LOW	64QAM	20.53	20.27	20.29	22.00	

LTE B12-Full Power -Ant.13							
Bandwidth (	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.33	23.19	23.30	25.00
		MID	QPSK	23.50	23.27	23.21	25.00
		HIGH	QPSK	23.31	23.32	23.32	25.00
	12	LOW	QPSK	22.35	22.31	22.11	24.00
		MID	QPSK	22.45	22.30	22.49	24.00
		HIGH	QPSK	22.37	22.43	22.35	24.00
25	LOW	QPSK	22.26	22.29	22.50	24.00	
5	1	LOW	Q16	22.48	22.31	22.60	24.00
		MID	Q16	22.65	22.62	22.47	24.00
		HIGH	Q16	22.59	22.54	22.49	24.00
	12	LOW	Q16	21.27	21.08	21.12	23.00
		MID	Q16	21.29	21.21	21.41	23.00
		HIGH	Q16	21.25	21.21	21.32	23.00
25	LOW	Q16	21.38	21.18	21.38	23.00	
5	1	LOW	64QAM	21.59	21.34	21.59	23.00
		MID	64QAM	21.63	21.60	21.56	23.00
		HIGH	64QAM	21.68	21.77	21.39	23.00
	12	LOW	64QAM	20.25	20.37	20.43	22.00
		MID	64QAM	20.69	20.24	20.27	22.00
		HIGH	64QAM	20.56	20.28	20.47	22.00
25	LOW	64QAM	20.36	20.25	20.38	22.00	
Bandwidth (	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.25	23.28	23.26	25.00
		MID	QPSK	23.33	23.36	23.32	25.00
		HIGH	QPSK	23.28	23.26	23.30	25.00
	25	LOW	QPSK	22.27	22.24	22.26	24.00
		MID	QPSK	22.35	22.30	22.36	24.00
		HIGH	QPSK	22.32	22.36	22.28	24.00
50	LOW	QPSK	22.37	22.27	22.35	24.00	
10	1	LOW	Q16	22.54	22.45	22.53	24.00
		MID	Q16	22.54	22.60	22.51	24.00
		HIGH	Q16	22.63	22.60	22.41	24.00
	25	LOW	Q16	21.28	21.21	21.22	23.00
		MID	Q16	21.39	21.31	21.38	23.00
		HIGH	Q16	21.39	21.34	21.33	23.00
50	LOW	Q16	21.31	21.28	21.34	23.00	
10	1	LOW	64QAM	21.67	21.37	21.56	23.00
		MID	64QAM	21.54	21.74	21.43	23.00
		HIGH	64QAM	21.56	21.72	21.53	23.00
	25	LOW	64QAM	20.30	20.33	20.37	22.00
		MID	64QAM	20.54	20.23	20.28	22.00
		HIGH	64QAM	20.44	20.26	20.33	22.00
50	LOW	64QAM	20.42	20.20	20.34	22.00	

LTE B12-DSI2&3&4&5&8&9&10 -Ant.13							
Bandwidth (	RB Size	RB offset	Modulation	23017	23095	23173	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.19	23.25	23.33	25.00
		MID	QPSK	23.33	23.18	23.32	25.00
		HIGH	QPSK	23.16	23.19	23.36	25.00
	3	LOW	QPSK	23.33	23.23	23.20	25.00
		MID	QPSK	23.22	23.41	23.37	25.00
		HIGH	QPSK	23.14	23.37	23.27	25.00
6	LOW	QPSK	22.46	22.34	22.50	24.00	
1.4	1	LOW	Q16	22.66	22.47	22.55	24.00
		MID	Q16	22.43	22.45	22.40	24.00
		HIGH	Q16	22.74	22.45	22.34	24.00
	3	LOW	Q16	22.47	22.44	22.54	24.00
		MID	Q16	22.45	22.51	22.39	24.00
		HIGH	Q16	22.58	22.53	22.29	24.00
6	LOW	Q16	21.34	21.36	21.35	23.00	
1.4	1	LOW	64QAM	21.52	21.56	21.44	23.00
		MID	64QAM	21.49	21.58	21.31	23.00
		HIGH	64QAM	21.75	21.31	21.46	23.00
	3	LOW	64QAM	21.45	21.39	21.41	23.00
		MID	64QAM	21.38	21.57	21.48	23.00
		HIGH	64QAM	21.50	21.55	21.28	23.00
6	LOW	64QAM	20.24	20.43	20.37	22.00	
Bandwidth (	RB Size	RB offset	Modulation	23025	23095	23165	Tune-up power(dBm)
3	1	LOW	QPSK	23.32	23.15	23.26	25.00
		MID	QPSK	23.30	23.41	23.39	25.00
		HIGH	QPSK	23.28	23.28	23.22	25.00
	8	LOW	QPSK	22.40	22.25	22.25	24.00
		MID	QPSK	22.43	22.44	22.37	24.00
		HIGH	QPSK	22.18	22.47	22.39	24.00
15	LOW	QPSK	22.41	22.15	22.44	24.00	
3	1	LOW	Q16	22.40	22.52	22.66	24.00
		MID	Q16	22.64	22.68	22.49	24.00
		HIGH	Q16	22.65	22.48	22.44	24.00
	8	LOW	Q16	21.32	21.09	21.16	23.00
		MID	Q16	21.34	21.22	21.31	23.00
		HIGH	Q16	21.45	21.23	21.25	23.00
15	LOW	Q16	21.40	21.25	21.49	23.00	
3	1	LOW	64QAM	21.54	21.33	21.57	23.00
		MID	64QAM	21.63	21.87	21.32	23.00
		HIGH	64QAM	21.66	21.60	21.41	23.00
	8	LOW	64QAM	20.19	20.25	20.50	22.00
		MID	64QAM	20.63	20.27	20.36	22.00
		HIGH	64QAM	20.33	20.19	20.33	22.00
15	LOW	64QAM	20.53	20.27	20.29	22.00	



LTE B12-DSI2&3&4&5&8&9&10 -Ant.13							
Bandwidth (	RB Size	RB offset	Modulation	23035	23095	23155	Tune-up power(dBm)
5	1	LOW	QPSK	23.33	23.19	23.30	25.00
		MID	QPSK	23.50	23.27	23.21	25.00
		HIGH	QPSK	23.31	23.32	23.32	25.00
	12	LOW	QPSK	22.35	22.31	22.11	24.00
		MID	QPSK	22.45	22.30	22.49	24.00
		HIGH	QPSK	22.37	22.43	22.35	24.00
25	LOW	QPSK	22.26	22.29	22.50	24.00	
5	1	LOW	Q16	22.48	22.31	22.60	24.00
		MID	Q16	22.65	22.62	22.47	24.00
		HIGH	Q16	22.59	22.54	22.49	24.00
	12	LOW	Q16	21.27	21.08	21.12	23.00
		MID	Q16	21.29	21.21	21.41	23.00
		HIGH	Q16	21.25	21.21	21.32	23.00
25	LOW	Q16	21.38	21.18	21.38	23.00	
5	1	LOW	64QAM	21.59	21.34	21.59	23.00
		MID	64QAM	21.63	21.60	21.56	23.00
		HIGH	64QAM	21.68	21.77	21.39	23.00
	12	LOW	64QAM	20.25	20.37	20.43	22.00
		MID	64QAM	20.69	20.24	20.27	22.00
		HIGH	64QAM	20.56	20.28	20.47	22.00
25	LOW	64QAM	20.36	20.25	20.38	22.00	
Bandwidth (	RB Size	RB offset	Modulation	23060	23095	23130	Tune-up power(dBm)
10	1	LOW	QPSK	23.25	23.28	23.26	25.00
		MID	QPSK	23.33	23.36	23.32	25.00
		HIGH	QPSK	23.28	23.26	23.30	25.00
	25	LOW	QPSK	22.27	22.24	22.26	24.00
		MID	QPSK	22.35	22.30	22.36	24.00
		HIGH	QPSK	22.32	22.36	22.28	24.00
50	LOW	QPSK	22.37	22.27	22.35	24.00	
10	1	LOW	Q16	22.54	22.45	22.53	24.00
		MID	Q16	22.54	22.60	22.51	24.00
		HIGH	Q16	22.63	22.60	22.41	24.00
	25	LOW	Q16	21.28	21.21	21.22	23.00
		MID	Q16	21.39	21.31	21.38	23.00
		HIGH	Q16	21.39	21.34	21.33	23.00
50	LOW	Q16	21.31	21.28	21.34	23.00	
10	1	LOW	64QAM	21.67	21.37	21.56	23.00
		MID	64QAM	21.54	21.74	21.43	23.00
		HIGH	64QAM	21.56	21.72	21.53	23.00
	25	LOW	64QAM	20.30	20.33	20.37	22.00
		MID	64QAM	20.54	20.23	20.28	22.00
		HIGH	64QAM	20.44	20.26	20.33	22.00
50	LOW	64QAM	20.42	20.20	20.34	22.00	

## 8.3.6 LTE Band13 Output Power

LTE B13-Full Power -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)	
5	1	LOW	QPSK	22.97	23.18	23.18	24.50	
		MID	QPSK	23.22	23.27	23.13	24.50	
		HIGH	QPSK	23.12	22.99	23.08	24.50	
	12	LOW	QPSK	22.03	22.01	21.92	23.50	
		MID	QPSK	22.22	22.02	21.97	23.50	
		HIGH	QPSK	22.00	22.22	22.22	23.50	
	25	LOW	QPSK	22.13	22.04	22.07	23.50	
	5	1	LOW	Q16	22.14	22.22	22.13	23.50
			MID	Q16	22.40	22.16	22.41	23.50
HIGH			Q16	22.14	22.22	22.42	23.50	
12		LOW	Q16	21.08	20.86	20.94	22.50	
		MID	Q16	20.93	21.22	21.10	22.50	
		HIGH	Q16	21.11	21.09	21.06	22.50	
25		LOW	Q16	21.13	21.01	21.06	22.50	
5		1	LOW	64QAM	21.04	20.96	21.14	22.50
			MID	64QAM	21.23	21.25	21.06	22.50
	HIGH		64QAM	21.23	21.23	21.21	22.50	
	12	LOW	64QAM	19.90	19.92	19.94	21.50	
		MID	64QAM	20.21	20.05	20.02	21.50	
		HIGH	64QAM	20.24	20.16	20.04	21.50	
	25	LOW	64QAM	19.94	19.86	19.99	21.50	
	Bandwidth (	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
	10	1	LOW	QPSK	/	23.05	/	24.50
MID			QPSK	/	23.14	/	24.50	
HIGH			QPSK	/	23.06	/	24.50	
25		LOW	QPSK	/	21.98	/	23.50	
		MID	QPSK	/	22.07	/	23.50	
		HIGH	QPSK	/	22.07	/	23.50	
50		LOW	QPSK	/	22.01	/	23.50	
10		1	LOW	Q16	/	22.12	/	23.50
			MID	Q16	/	22.28	/	23.50
	HIGH		Q16	/	22.27	/	23.50	
	25	LOW	Q16	/	21.01	/	22.50	
		MID	Q16	/	21.07	/	22.50	
		HIGH	Q16	/	21.14	/	22.50	
	50	LOW	Q16	/	21.02	/	22.50	
	10	1	LOW	64QAM	/	20.98	/	22.50
			MID	64QAM	/	21.33	/	22.50
HIGH			64QAM	/	21.21	/	22.50	
25		LOW	64QAM	/	20.04	/	21.50	
		MID	64QAM	/	19.98	/	21.50	
		HIGH	64QAM	/	20.08	/	21.50	
50		LOW	64QAM	/	20.01	/	21.50	

LTE B13-DSI2&3&4&5&8&9&10 -Ant.13							
Bandwidth (	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)
5	1	LOW	QPSK	22.97	23.18	23.18	24.50
		MID	QPSK	23.22	23.27	23.13	24.50
		HIGH	QPSK	23.12	22.99	23.08	24.50
	12	LOW	QPSK	22.03	22.01	21.92	23.50
		MID	QPSK	22.22	22.02	21.97	23.50
		HIGH	QPSK	22.00	22.22	22.22	23.50
25	LOW	QPSK	22.13	22.04	22.07	23.50	
5	1	LOW	Q16	22.14	22.22	22.13	23.50
		MID	Q16	22.40	22.16	22.41	23.50
		HIGH	Q16	22.14	22.22	22.42	23.50
	12	LOW	Q16	21.08	20.86	20.94	22.50
		MID	Q16	20.93	21.22	21.10	22.50
		HIGH	Q16	21.11	21.09	21.06	22.50
25	LOW	Q16	21.13	21.01	21.06	22.50	
5	1	LOW	64QAM	21.04	20.96	21.14	22.50
		MID	64QAM	21.23	21.25	21.06	22.50
		HIGH	64QAM	21.23	21.23	21.21	22.50
	12	LOW	64QAM	19.90	19.92	19.94	21.50
		MID	64QAM	20.21	20.05	20.02	21.50
		HIGH	64QAM	20.24	20.16	20.04	21.50
25	LOW	64QAM	19.94	19.86	19.99	21.50	
Bandwidth (	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
10	1	LOW	QPSK	/	23.05	/	24.50
		MID	QPSK	/	23.14	/	24.50
		HIGH	QPSK	/	23.06	/	24.50
	25	LOW	QPSK	/	21.98	/	23.50
		MID	QPSK	/	22.07	/	23.50
		HIGH	QPSK	/	22.07	/	23.50
50	LOW	QPSK	/	22.01	/	23.50	
10	1	LOW	Q16	/	22.12	/	23.50
		MID	Q16	/	22.28	/	23.50
		HIGH	Q16	/	22.27	/	23.50
	25	LOW	Q16	/	21.01	/	22.50
		MID	Q16	/	21.07	/	22.50
		HIGH	Q16	/	21.14	/	22.50
50	LOW	Q16	/	21.02	/	22.50	
10	1	LOW	64QAM	/	20.98	/	22.50
		MID	64QAM	/	21.33	/	22.50
		HIGH	64QAM	/	21.21	/	22.50
	25	LOW	64QAM	/	20.04	/	21.50
		MID	64QAM	/	19.98	/	21.50
		HIGH	64QAM	/	20.08	/	21.50
50	LOW	64QAM	/	20.01	/	21.50	

## 8.3.6 LTE Band13 Output Power

LTE B13-Full Power -Ant.31								
Bandwidth (	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)	
5	1	LOW	QPSK	22.73	22.87	22.74	24.50	
		MID	QPSK	22.97	22.95	22.96	24.50	
		HIGH	QPSK	22.76	22.88	22.96	24.50	
	12	LOW	QPSK	21.92	21.90	21.81	23.50	
		MID	QPSK	21.97	21.89	21.96	23.50	
		HIGH	QPSK	21.92	22.07	21.85	23.50	
	25	LOW	QPSK	21.75	21.91	21.80	23.50	
	5	1	LOW	Q16	21.90	21.89	21.96	23.50
			MID	Q16	22.30	22.01	22.02	23.50
HIGH			Q16	22.28	22.00	22.12	23.50	
12		LOW	Q16	21.00	20.95	20.90	22.50	
		MID	Q16	21.00	21.02	20.93	22.50	
		HIGH	Q16	20.91	21.07	21.10	22.50	
25		LOW	Q16	20.85	20.80	20.78	22.50	
5		1	LOW	64QAM	21.02	21.24	20.94	22.50
			MID	64QAM	21.25	21.38	21.07	22.50
	HIGH		64QAM	20.99	21.35	21.27	22.50	
	12	LOW	64QAM	19.91	19.79	19.95	21.50	
		MID	64QAM	20.00	20.02	19.93	21.50	
		HIGH	64QAM	19.73	19.85	20.03	21.50	
	25	LOW	64QAM	19.68	19.62	20.09	21.50	
	Bandwidth (	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
	10	1	LOW	QPSK	/	22.84	/	24.50
MID			QPSK	/	22.98	/	24.50	
HIGH			QPSK	/	22.87	/	24.50	
25		LOW	QPSK	/	21.80	/	23.50	
		MID	QPSK	/	21.89	/	23.50	
		HIGH	QPSK	/	21.97	/	23.50	
50		LOW	QPSK	/	21.86	/	23.50	
10		1	LOW	Q16	/	21.99	/	23.50
			MID	Q16	/	22.16	/	23.50
	HIGH		Q16	/	22.13	/	23.50	
	25	LOW	Q16	/	20.88	/	22.50	
		MID	Q16	/	20.87	/	22.50	
		HIGH	Q16	/	20.96	/	22.50	
	50	LOW	Q16	/	20.84	/	22.50	
	10	1	LOW	64QAM	/	21.09	/	22.50
			MID	64QAM	/	21.28	/	22.50
HIGH			64QAM	/	21.20	/	22.50	
25		LOW	64QAM	/	19.82	/	21.50	
		MID	64QAM	/	19.94	/	21.50	
		HIGH	64QAM	/	19.85	/	21.50	
50		LOW	64QAM	/	19.73	/	21.50	

LTE B13-DSI2&3&4&5&8&9&10 -Ant.31								
Bandwidth (	RB Size	RB offset	Modulation	23205	23230	23255	Tune-up power(dBm)	
5	1	LOW	QPSK	22.73	22.87	22.74	24.50	
		MID	QPSK	22.97	22.95	22.96	24.50	
		HIGH	QPSK	22.76	22.88	22.96	24.50	
	12	LOW	QPSK	21.92	21.90	21.81	23.50	
		MID	QPSK	21.97	21.89	21.96	23.50	
		HIGH	QPSK	21.92	22.07	21.85	23.50	
	25	LOW	QPSK	21.75	21.91	21.80	23.50	
	5	1	LOW	Q16	21.90	21.89	21.96	23.50
			MID	Q16	22.30	22.01	22.02	23.50
HIGH			Q16	22.28	22.00	22.12	23.50	
12		LOW	Q16	21.00	20.95	20.90	22.50	
		MID	Q16	21.00	21.02	20.93	22.50	
		HIGH	Q16	20.91	21.07	21.10	22.50	
25		LOW	Q16	20.85	20.80	20.78	22.50	
5		1	LOW	64QAM	21.02	21.24	20.94	22.50
			MID	64QAM	21.25	21.38	21.07	22.50
	HIGH		64QAM	20.99	21.35	21.27	22.50	
	12	LOW	64QAM	19.91	19.79	19.95	21.50	
		MID	64QAM	20.00	20.02	19.93	21.50	
		HIGH	64QAM	19.73	19.85	20.03	21.50	
	25	LOW	64QAM	19.68	19.62	20.09	21.50	
	Bandwidth (	RB Size	RB offset	Modulation	23230			Tune-up power(dBm)
	10	1	LOW	QPSK	/	22.84	/	24.50
MID			QPSK	/	22.98	/	24.50	
HIGH			QPSK	/	22.87	/	24.50	
25		LOW	QPSK	/	21.80	/	23.50	
		MID	QPSK	/	21.89	/	23.50	
		HIGH	QPSK	/	21.97	/	23.50	
50		LOW	QPSK	/	21.86	/	23.50	
10		1	LOW	Q16	/	21.99	/	23.50
			MID	Q16	/	22.16	/	23.50
	HIGH		Q16	/	22.13	/	23.50	
	25	LOW	Q16	/	20.88	/	22.50	
		MID	Q16	/	20.87	/	22.50	
		HIGH	Q16	/	20.96	/	22.50	
	50	LOW	Q16	/	20.84	/	22.50	
	10	1	LOW	64QAM	/	21.09	/	22.50
			MID	64QAM	/	21.28	/	22.50
HIGH			64QAM	/	21.20	/	22.50	
25		LOW	64QAM	/	19.82	/	21.50	
		MID	64QAM	/	19.94	/	21.50	
		HIGH	64QAM	/	19.85	/	21.50	
50		LOW	64QAM	/	19.73	/	21.50	

## 8.3.7 LTE Band17 Output Power

LTE B17-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.57	23.38	23.46	25.00	
		MID	QPSK	23.66	23.59	23.57	25.00	
		HIGH	QPSK	23.65	23.54	23.65	25.00	
	12	LOW	QPSK	22.45	22.61	22.41	24.00	
		MID	QPSK	22.56	22.51	22.50	24.00	
		HIGH	QPSK	22.62	22.46	22.47	24.00	
	25	LOW	QPSK	22.73	22.40	22.57	24.00	
	5	1	LOW	Q16	22.65	22.90	22.75	24.00
			MID	Q16	22.85	22.96	22.84	24.00
HIGH			Q16	22.83	22.68	22.80	24.00	
12		LOW	Q16	21.37	21.52	21.71	23.00	
		MID	Q16	21.60	21.65	21.57	23.00	
		HIGH	Q16	21.58	21.55	21.65	23.00	
25		LOW	Q16	21.55	21.44	21.45	23.00	
5		1	LOW	64QAM	21.76	21.89	21.73	23.00
			MID	64QAM	21.89	21.97	21.92	23.00
	HIGH		64QAM	21.82	21.71	21.78	23.00	
	12	LOW	64QAM	20.22	20.75	20.70	22.00	
		MID	64QAM	20.75	20.53	20.34	22.00	
		HIGH	64QAM	20.69	20.83	20.59	22.00	
	25	LOW	64QAM	20.62	20.50	20.70	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.48	23.45	23.51	25.00
MID			QPSK	23.51	23.59	23.61	25.00	
HIGH			QPSK	23.51	23.50	23.61	25.00	
25		LOW	QPSK	22.52	22.50	22.52	24.00	
		MID	QPSK	22.60	22.54	22.51	24.00	
		HIGH	QPSK	22.57	22.58	22.60	24.00	
50		LOW	QPSK	22.59	22.48	22.51	24.00	
10		1	LOW	Q16	22.77	22.78	22.73	24.00
			MID	Q16	22.82	22.88	22.76	24.00
	HIGH		Q16	22.73	22.74	22.66	24.00	
	25	LOW	Q16	21.46	21.54	21.58	23.00	
		MID	Q16	21.63	21.56	21.50	23.00	
		HIGH	Q16	21.64	21.67	21.59	23.00	
	50	LOW	Q16	21.58	21.51	21.52	23.00	
	10	1	LOW	64QAM	21.81	21.85	21.84	23.00
			MID	64QAM	21.95	21.92	21.83	23.00
HIGH			64QAM	21.86	21.78	21.64	23.00	
25		LOW	64QAM	20.35	20.65	20.67	22.00	
		MID	64QAM	20.67	20.52	20.46	22.00	
		HIGH	64QAM	20.58	20.73	20.54	22.00	
50		LOW	64QAM	20.71	20.40	20.57	22.00	

LTE B17-DSI2&3&4&5&8&9&10 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)
5	1	LOW	QPSK	23.57	23.38	23.46	25.00
		MID	QPSK	23.66	23.59	23.57	25.00
		HIGH	QPSK	23.65	23.54	23.65	25.00
	12	LOW	QPSK	22.45	22.61	22.41	24.00
		MID	QPSK	22.56	22.51	22.50	24.00
		HIGH	QPSK	22.62	22.46	22.47	24.00
25	LOW	QPSK	22.73	22.40	22.57	24.00	
5	1	LOW	Q16	22.65	22.90	22.75	24.00
		MID	Q16	22.85	22.96	22.84	24.00
		HIGH	Q16	22.83	22.68	22.80	24.00
	12	LOW	Q16	21.37	21.52	21.71	23.00
		MID	Q16	21.60	21.65	21.57	23.00
		HIGH	Q16	21.58	21.55	21.65	23.00
25	LOW	Q16	21.55	21.44	21.45	23.00	
5	1	LOW	64QAM	21.76	21.89	21.73	23.00
		MID	64QAM	21.89	21.97	21.92	23.00
		HIGH	64QAM	21.82	21.71	21.78	23.00
	12	LOW	64QAM	20.22	20.75	20.70	22.00
		MID	64QAM	20.75	20.53	20.34	22.00
		HIGH	64QAM	20.69	20.83	20.59	22.00
25	LOW	64QAM	20.62	20.50	20.70	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
10	1	LOW	QPSK	23.48	23.45	23.51	25.00
		MID	QPSK	23.51	23.59	23.61	25.00
		HIGH	QPSK	23.51	23.50	23.61	25.00
	25	LOW	QPSK	22.52	22.50	22.52	24.00
		MID	QPSK	22.60	22.54	22.51	24.00
		HIGH	QPSK	22.57	22.58	22.60	24.00
50	LOW	QPSK	22.59	22.48	22.51	24.00	
10	1	LOW	Q16	22.77	22.78	22.73	24.00
		MID	Q16	22.82	22.88	22.76	24.00
		HIGH	Q16	22.73	22.74	22.66	24.00
	25	LOW	Q16	21.46	21.54	21.58	23.00
		MID	Q16	21.63	21.56	21.50	23.00
		HIGH	Q16	21.64	21.67	21.59	23.00
50	LOW	Q16	21.58	21.51	21.52	23.00	
10	1	LOW	64QAM	21.81	21.85	21.84	23.00
		MID	64QAM	21.95	21.92	21.83	23.00
		HIGH	64QAM	21.86	21.78	21.64	23.00
	25	LOW	64QAM	20.35	20.65	20.67	22.00
		MID	64QAM	20.67	20.52	20.46	22.00
		HIGH	64QAM	20.58	20.73	20.54	22.00
50	LOW	64QAM	20.71	20.40	20.57	22.00	

## 8.3.7 LTE Band17 Output Power

LTE B17-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.41	23.06	23.13	25.00	
		MID	QPSK	23.41	23.21	23.38	25.00	
		HIGH	QPSK	23.16	23.20	23.42	25.00	
	12	LOW	QPSK	22.35	22.12	22.33	24.00	
		MID	QPSK	22.24	22.23	22.28	24.00	
		HIGH	QPSK	22.35	22.22	22.26	24.00	
	25	LOW	QPSK	22.35	22.24	22.25	24.00	
	5	1	LOW	Q16	22.57	22.40	22.62	24.00
			MID	Q16	22.78	22.75	22.32	24.00
HIGH			Q16	22.47	22.42	22.41	24.00	
12		LOW	Q16	21.06	21.33	21.08	23.00	
		MID	Q16	21.35	21.42	21.39	23.00	
		HIGH	Q16	21.41	21.33	21.22	23.00	
25		LOW	Q16	21.44	21.39	21.37	23.00	
5		1	LOW	64QAM	21.71	21.68	21.53	23.00
			MID	64QAM	21.92	21.71	21.74	23.00
	HIGH		64QAM	21.58	21.67	21.69	23.00	
	12	LOW	64QAM	20.26	20.09	20.27	22.00	
		MID	64QAM	20.42	20.56	20.56	22.00	
		HIGH	64QAM	20.11	20.60	20.34	22.00	
	25	LOW	64QAM	20.52	20.22	20.32	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.26	23.17	23.25	25.00
MID			QPSK	23.29	23.33	23.32	25.00	
HIGH			QPSK	23.38	23.24	23.28	25.00	
25		LOW	QPSK	22.25	22.19	22.26	24.00	
		MID	QPSK	22.38	22.26	22.26	24.00	
		HIGH	QPSK	22.35	22.32	22.34	24.00	
50		LOW	QPSK	22.33	22.24	22.24	24.00	
10		1	LOW	Q16	22.57	22.52	22.53	24.00
			MID	Q16	22.64	22.60	22.47	24.00
	HIGH		Q16	22.49	22.53	22.44	24.00	
	25	LOW	Q16	21.21	21.26	21.17	23.00	
		MID	Q16	21.35	21.27	21.36	23.00	
		HIGH	Q16	21.32	21.35	21.37	23.00	
	50	LOW	Q16	21.34	21.27	21.25	23.00	
	10	1	LOW	64QAM	21.60	21.53	21.41	23.00
			MID	64QAM	21.79	21.66	21.61	23.00
HIGH			64QAM	21.61	21.67	21.55	23.00	
25		LOW	64QAM	20.30	20.19	20.17	22.00	
		MID	64QAM	20.33	20.41	20.45	22.00	
		HIGH	64QAM	20.25	20.49	20.43	22.00	
50		LOW	64QAM	20.44	20.21	20.35	22.00	



LTE B17-DSI2&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23755	23790	23825	Tune-up power(dBm)	
5	1	LOW	QPSK	23.41	23.06	23.13	25.00	
		MID	QPSK	23.41	23.21	23.38	25.00	
		HIGH	QPSK	23.16	23.20	23.42	25.00	
	12	LOW	QPSK	22.35	22.12	22.33	24.00	
		MID	QPSK	22.24	22.23	22.28	24.00	
		HIGH	QPSK	22.35	22.22	22.26	24.00	
	25	LOW	QPSK	22.35	22.24	22.25	24.00	
	5	1	LOW	Q16	22.57	22.40	22.62	24.00
			MID	Q16	22.78	22.75	22.32	24.00
HIGH			Q16	22.47	22.42	22.41	24.00	
12		LOW	Q16	21.06	21.33	21.08	23.00	
		MID	Q16	21.35	21.42	21.39	23.00	
		HIGH	Q16	21.41	21.33	21.22	23.00	
25		LOW	Q16	21.44	21.39	21.37	23.00	
5		1	LOW	64QAM	21.71	21.68	21.53	23.00
			MID	64QAM	21.92	21.71	21.74	23.00
	HIGH		64QAM	21.58	21.67	21.69	23.00	
	12	LOW	64QAM	20.26	20.09	20.27	22.00	
		MID	64QAM	20.42	20.56	20.56	22.00	
		HIGH	64QAM	20.11	20.60	20.34	22.00	
	25	LOW	64QAM	20.52	20.22	20.32	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23780	23790	23800	Tune-up power(dBm)
	10	1	LOW	QPSK	23.26	23.17	23.25	25.00
MID			QPSK	23.29	23.33	23.32	25.00	
HIGH			QPSK	23.38	23.24	23.28	25.00	
25		LOW	QPSK	22.25	22.19	22.26	24.00	
		MID	QPSK	22.38	22.26	22.26	24.00	
		HIGH	QPSK	22.35	22.32	22.34	24.00	
50		LOW	QPSK	22.33	22.24	22.24	24.00	
10		1	LOW	Q16	22.57	22.52	22.53	24.00
			MID	Q16	22.64	22.60	22.47	24.00
	HIGH		Q16	22.49	22.53	22.44	24.00	
	25	LOW	Q16	21.21	21.26	21.17	23.00	
		MID	Q16	21.35	21.27	21.36	23.00	
		HIGH	Q16	21.32	21.35	21.37	23.00	
	50	LOW	Q16	21.34	21.27	21.25	23.00	
	10	1	LOW	64QAM	21.60	21.53	21.41	23.00
			MID	64QAM	21.79	21.66	21.61	23.00
HIGH			64QAM	21.61	21.67	21.55	23.00	
25		LOW	64QAM	20.30	20.19	20.17	22.00	
		MID	64QAM	20.33	20.41	20.45	22.00	
		HIGH	64QAM	20.25	20.49	20.43	22.00	
50		LOW	64QAM	20.44	20.21	20.35	22.00	

## 8.3.8 LTE Band18 Output Power

LTE B18-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23875	23925	23975	Tune-up power(dBm)	
5	1	LOW	QPSK	22.83	22.62	22.83	24.50	
		MID	QPSK	22.98	23.03	23.08	24.50	
		HIGH	QPSK	23.12	23.00	22.94	24.50	
	12	LOW	QPSK	21.99	21.82	21.77	23.50	
		MID	QPSK	21.94	21.93	21.99	23.50	
		HIGH	QPSK	21.90	22.03	22.06	23.50	
	25	LOW	QPSK	21.77	21.72	21.70	23.50	
	5	1	LOW	Q16	22.05	21.99	22.19	23.50
			MID	Q16	22.42	22.16	22.36	23.50
HIGH			Q16	22.13	22.37	22.26	23.50	
12		LOW	Q16	20.74	20.87	21.01	22.50	
		MID	Q16	20.92	21.09	21.11	22.50	
		HIGH	Q16	20.76	20.77	20.66	22.50	
25		LOW	Q16	20.62	20.79	20.74	22.50	
5		1	LOW	64QAM	21.02	21.04	20.85	22.50
			MID	64QAM	21.32	21.33	21.22	22.50
	HIGH		64QAM	21.22	21.10	21.17	22.50	
	12	LOW	64QAM	19.82	19.69	19.92	21.50	
		MID	64QAM	20.05	20.31	20.10	21.50	
		HIGH	64QAM	19.67	19.86	19.79	21.50	
	25	LOW	64QAM	19.81	19.62	19.81	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23900	23925	23950	Tune-up power(dBm)
	10	1	LOW	QPSK	22.84	22.82	22.88	24.50
MID			QPSK	22.92	22.93	22.93	24.50	
HIGH			QPSK	22.85	22.86	22.87	24.50	
25		LOW	QPSK	21.86	21.86	21.89	23.50	
		MID	QPSK	21.91	21.89	21.91	23.50	
		HIGH	QPSK	21.91	21.89	21.98	23.50	
50		LOW	QPSK	21.93	21.83	21.92	23.50	
10		1	LOW	Q16	22.07	22.13	22.09	23.50
			MID	Q16	22.10	22.22	22.19	23.50
	HIGH		Q16	22.06	22.29	22.22	23.50	
	25	LOW	Q16	20.88	20.93	20.97	22.50	
		MID	Q16	20.92	20.94	20.98	22.50	
		HIGH	Q16	20.90	20.91	20.99	22.50	
	50	LOW	Q16	20.90	20.87	20.92	22.50	
	10	1	LOW	64QAM	21.02	20.92	21.02	22.50
			MID	64QAM	21.32	21.21	21.32	22.50
HIGH			64QAM	21.22	21.24	21.22	22.50	
25		LOW	64QAM	19.82	19.82	19.82	21.50	
		MID	64QAM	20.05	20.10	20.05	21.50	
		HIGH	64QAM	19.67	20.02	19.67	21.50	
50		LOW	64QAM	19.81	19.78	19.81	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	23925			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.68	/	24.50
	MID		QPSK	/	23.06	/	24.50	
	HIGH		QPSK	/	23.01	/	24.50	
	36	LOW	QPSK	/	21.88	/	23.50	
		MID	QPSK	/	21.88	/	23.50	
		HIGH	QPSK	/	21.99	/	23.50	
	75	LOW	QPSK	/	21.72	/	23.50	
	15	1	LOW	Q16	/	22.04	/	23.50
			MID	Q16	/	22.31	/	23.50
HIGH			Q16	/	22.23	/	23.50	
36		LOW	Q16	/	20.88	/	22.50	
		MID	Q16	/	21.04	/	22.50	
		HIGH	Q16	/	20.80	/	22.50	
75		LOW	Q16	/	20.77	/	22.50	
15		1	LOW	64QAM	/	21.04	/	22.50
			MID	64QAM	/	21.20	/	22.50
	HIGH		64QAM	/	21.12	/	22.50	
	36	LOW	64QAM	/	19.81	/	21.50	
		MID	64QAM	/	20.17	/	21.50	
		HIGH	64QAM	/	19.95	/	21.50	
	75	LOW	64QAM	/	19.74	/	21.50	

LTE B18-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23875	23925	23975	Tune-up power(dBm)	
5	1	LOW	QPSK	20.91	20.97	20.99	22.50	
		MID	QPSK	20.94	20.98	21.01	22.50	
		HIGH	QPSK	20.87	20.82	20.99	22.50	
	12	LOW	QPSK	20.97	21.10	20.98	22.50	
		MID	QPSK	21.08	20.91	21.01	22.50	
		HIGH	QPSK	20.93	20.90	21.07	22.50	
	25	LOW	QPSK	20.87	20.80	20.90	22.50	
	5	1	LOW	Q16	21.30	21.19	21.10	22.50
			MID	Q16	21.35	21.31	21.40	22.50
HIGH			Q16	21.33	21.03	21.32	22.50	
12		LOW	Q16	20.85	20.83	20.97	22.50	
		MID	Q16	20.89	20.70	21.10	22.50	
		HIGH	Q16	21.06	20.77	20.96	22.50	
25		LOW	Q16	20.98	21.12	20.79	22.50	
5		1	LOW	64QAM	21.36	21.21	21.02	22.50
			MID	64QAM	21.19	21.28	21.24	22.50
	HIGH		64QAM	21.35	21.08	21.07	22.50	
	12	LOW	64QAM	19.69	19.81	20.05	21.50	
		MID	64QAM	19.89	19.57	20.15	21.50	
		HIGH	64QAM	19.93	19.64	19.99	21.50	
	25	LOW	64QAM	19.95	19.86	19.79	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23900	23925	23950	Tune-up power(dBm)
	10	1	LOW	QPSK	20.91	20.96	20.95	22.50
MID			QPSK	20.99	21.01	21.01	22.50	
HIGH			QPSK	20.91	20.96	20.91	22.50	
25		LOW	QPSK	20.91	20.91	20.88	22.50	
		MID	QPSK	21.03	20.93	20.92	22.50	
		HIGH	QPSK	21.00	20.96	20.94	22.50	
50		LOW	QPSK	20.97	20.90	20.88	22.50	
10		1	LOW	Q16	21.27	21.10	21.04	22.50
			MID	Q16	21.29	21.32	21.29	22.50
	HIGH		Q16	21.31	21.27	21.23	22.50	
	25	LOW	Q16	20.89	20.92	20.97	22.50	
		MID	Q16	21.00	20.86	20.99	22.50	
		HIGH	Q16	20.93	20.96	20.99	22.50	
	50	LOW	Q16	20.97	20.94	20.88	22.50	
	10	1	LOW	64QAM	21.18	21.19	20.82	22.50
			MID	64QAM	21.10	21.33	21.05	22.50
HIGH			64QAM	21.43	21.20	21.24	22.50	
25		LOW	64QAM	19.84	19.85	20.23	21.50	
		MID	64QAM	19.75	19.56	20.02	21.50	
		HIGH	64QAM	19.75	19.55	19.87	21.50	
50		LOW	64QAM	19.95	19.86	19.71	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	23925			Tune-up power(dBm)
15		1	LOW	QPSK	/	21.10	/	22.50
	MID		QPSK	/	21.03	/	22.50	
	HIGH		QPSK	/	20.87	/	22.50	
	36	LOW	QPSK	/	21.01	/	22.50	
		MID	QPSK	/	20.97	/	22.50	
		HIGH	QPSK	/	21.02	/	22.50	
	75	LOW	QPSK	/	20.90	/	22.50	
	15	1	LOW	Q16	/	21.06	/	22.50
			MID	Q16	/	21.43	/	22.50
HIGH			Q16	/	21.12	/	22.50	
36		LOW	Q16	/	20.91	/	22.50	
		MID	Q16	/	20.72	/	22.50	
		HIGH	Q16	/	20.83	/	22.50	
75		LOW	Q16	/	21.08	/	22.50	
15		1	LOW	64QAM	/	21.18	/	22.50
			MID	64QAM	/	21.36	/	22.50
	HIGH		64QAM	/	21.14	/	22.50	
	36	LOW	64QAM	/	19.91	/	21.50	
		MID	64QAM	/	19.60	/	21.50	
		HIGH	64QAM	/	19.69	/	21.50	
	75	LOW	64QAM	/	19.97	/	21.50	

LTE B18-DSI4&5&8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23875	23925	23975	Tune-up power(dBm)	
5	1	LOW	QPSK	22.83	22.62	22.83	24.50	
		MID	QPSK	22.98	23.03	23.08	24.50	
		HIGH	QPSK	23.12	23.00	22.94	24.50	
	12	LOW	QPSK	21.99	21.82	21.77	23.50	
		MID	QPSK	21.94	21.93	21.99	23.50	
		HIGH	QPSK	21.90	22.03	22.06	23.50	
	25	LOW	QPSK	21.77	21.72	21.70	23.50	
	5	1	LOW	Q16	22.05	21.99	22.19	23.50
			MID	Q16	22.42	22.16	22.36	23.50
HIGH			Q16	22.13	22.37	22.26	23.50	
12		LOW	Q16	20.74	20.87	21.01	22.50	
		MID	Q16	20.92	21.09	21.11	22.50	
		HIGH	Q16	20.76	20.77	20.66	22.50	
25		LOW	Q16	20.62	20.79	20.74	22.50	
5		1	LOW	64QAM	21.02	21.04	20.85	22.50
			MID	64QAM	21.32	21.33	21.22	22.50
	HIGH		64QAM	21.22	21.10	21.17	22.50	
	12	LOW	64QAM	19.82	19.69	19.92	21.50	
		MID	64QAM	20.05	20.31	20.10	21.50	
		HIGH	64QAM	19.67	19.86	19.79	21.50	
	25	LOW	64QAM	19.81	19.62	19.81	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23900	23925	23950	Tune-up power(dBm)
	10	1	LOW	QPSK	22.84	22.82	22.88	24.50
MID			QPSK	22.92	22.93	22.93	24.50	
HIGH			QPSK	22.85	22.86	22.87	24.50	
25		LOW	QPSK	21.86	21.86	21.89	23.50	
		MID	QPSK	21.91	21.89	21.91	23.50	
		HIGH	QPSK	21.91	21.89	21.98	23.50	
50		LOW	QPSK	21.93	21.83	21.92	23.50	
10		1	LOW	Q16	22.07	22.13	22.09	23.50
			MID	Q16	22.10	22.22	22.19	23.50
	HIGH		Q16	22.06	22.29	22.22	23.50	
	25	LOW	Q16	20.88	20.93	20.97	22.50	
		MID	Q16	20.92	20.94	20.98	22.50	
		HIGH	Q16	20.90	20.91	20.99	22.50	
	50	LOW	Q16	20.90	20.87	20.92	22.50	
	10	1	LOW	64QAM	21.02	20.92	21.02	22.50
			MID	64QAM	21.32	21.21	21.32	22.50
HIGH			64QAM	21.22	21.24	21.22	22.50	
25		LOW	64QAM	19.82	19.82	19.82	21.50	
		MID	64QAM	20.05	20.10	20.05	21.50	
		HIGH	64QAM	19.67	20.02	19.67	21.50	
50		LOW	64QAM	19.81	19.78	19.81	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	23925			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.68	/	24.50
	MID		QPSK	/	23.06	/	24.50	
	HIGH		QPSK	/	23.01	/	24.50	
	36	LOW	QPSK	/	21.88	/	23.50	
		MID	QPSK	/	21.88	/	23.50	
		HIGH	QPSK	/	21.99	/	23.50	
	75	LOW	QPSK	/	21.72	/	23.50	
	15	1	LOW	Q16	/	22.04	/	23.50
			MID	Q16	/	22.31	/	23.50
HIGH			Q16	/	22.23	/	23.50	
36		LOW	Q16	/	20.88	/	22.50	
		MID	Q16	/	21.04	/	22.50	
		HIGH	Q16	/	20.80	/	22.50	
75		LOW	Q16	/	20.77	/	22.50	
15		1	LOW	64QAM	/	21.04	/	22.50
			MID	64QAM	/	21.20	/	22.50
	HIGH		64QAM	/	21.12	/	22.50	
	36	LOW	64QAM	/	19.81	/	21.50	
		MID	64QAM	/	20.17	/	21.50	
		HIGH	64QAM	/	19.95	/	21.50	
	75	LOW	64QAM	/	19.74	/	21.50	

## 8.3.8 LTE Band18 Output Power

LTE B18-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23875	23925	23975	Tune-up power(dBm)	
5	1	LOW	QPSK	22.87	22.76	22.76	24.50	
		MID	QPSK	22.85	22.58	22.95	24.50	
		HIGH	QPSK	22.63	22.68	22.87	24.50	
	12	LOW	QPSK	21.77	21.73	21.78	23.50	
		MID	QPSK	21.73	21.75	21.66	23.50	
		HIGH	QPSK	21.87	21.78	21.70	23.50	
	25	LOW	QPSK	21.71	21.77	21.71	23.50	
	5	1	LOW	Q16	22.10	22.24	22.23	23.50
			MID	Q16	21.93	22.12	21.95	23.50
HIGH			Q16	21.94	21.96	21.89	23.50	
12		LOW	Q16	20.80	20.52	20.64	22.50	
		MID	Q16	20.75	20.82	20.72	22.50	
		HIGH	Q16	20.63	20.86	20.84	22.50	
25		LOW	Q16	20.94	20.70	20.71	22.50	
5		1	LOW	64QAM	21.20	21.20	21.28	22.50
			MID	64QAM	21.03	21.08	21.17	22.50
	HIGH		64QAM	20.97	21.02	21.00	22.50	
	12	LOW	64QAM	19.78	19.80	20.01	21.50	
		MID	64QAM	19.85	19.77	20.02	21.50	
		HIGH	64QAM	19.75	20.01	19.74	21.50	
	25	LOW	64QAM	19.99	19.85	19.70	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23900	23925	23950	Tune-up power(dBm)
	10	1	LOW	QPSK	22.78	22.70	22.75	24.50
MID			QPSK	22.81	22.79	22.82	24.50	
HIGH			QPSK	22.74	22.74	22.72	24.50	
25		LOW	QPSK	21.70	21.69	21.78	23.50	
		MID	QPSK	21.80	21.72	21.74	23.50	
		HIGH	QPSK	21.80	21.77	21.81	23.50	
50		LOW	QPSK	21.77	21.70	21.76	23.50	
10		1	LOW	Q16	21.97	22.10	22.08	23.50
			MID	Q16	22.07	22.15	22.09	23.50
	HIGH		Q16	21.85	22.06	22.02	23.50	
	25	LOW	Q16	20.69	20.72	20.79	22.50	
		MID	Q16	20.78	20.79	20.77	22.50	
		HIGH	Q16	20.78	20.81	20.86	22.50	
	50	LOW	Q16	20.79	20.73	20.78	22.50	
	10	1	LOW	64QAM	21.09	21.09	21.23	22.50
			MID	64QAM	21.06	21.20	21.18	22.50
HIGH			64QAM	20.98	21.28	21.10	22.50	
25		LOW	64QAM	19.69	19.64	19.74	21.50	
		MID	64QAM	19.75	19.75	19.93	21.50	
		HIGH	64QAM	19.92	19.90	19.82	21.50	
50		LOW	64QAM	19.92	19.87	19.72	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	23925			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.71	/	24.50
	MID		QPSK	/	22.67	/	24.50	
	HIGH		QPSK	/	22.74	/	24.50	
	36	LOW	QPSK	/	21.73	/	23.50	
		MID	QPSK	/	21.67	/	23.50	
		HIGH	QPSK	/	21.74	/	23.50	
	75	LOW	QPSK	/	21.64	/	23.50	
	15	1	LOW	Q16	/	22.17	/	23.50
			MID	Q16	/	22.06	/	23.50
HIGH			Q16	/	22.10	/	23.50	
36		LOW	Q16	/	20.60	/	22.50	
		MID	Q16	/	20.85	/	22.50	
		HIGH	Q16	/	20.80	/	22.50	
75		LOW	Q16	/	20.66	/	22.50	
15		1	LOW	64QAM	/	21.24	/	22.50
			MID	64QAM	/	21.18	/	22.50
	HIGH		64QAM	/	21.13	/	22.50	
	36	LOW	64QAM	/	19.61	/	21.50	
		MID	64QAM	/	19.66	/	21.50	
		HIGH	64QAM	/	19.92	/	21.50	
	75	LOW	64QAM	19.73	19.75	/	21.50	

LTE B18-DSI2&3&4&5&8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	23875	23925	23975	Tune-up power(dBm)	
5	1	LOW	QPSK	22.87	22.76	22.76	24.50	
		MID	QPSK	22.85	22.58	22.95	24.50	
		HIGH	QPSK	22.63	22.68	22.87	24.50	
	12	LOW	QPSK	21.77	21.73	21.78	23.50	
		MID	QPSK	21.73	21.75	21.66	23.50	
		HIGH	QPSK	21.87	21.78	21.70	23.50	
	25	LOW	QPSK	21.71	21.77	21.71	23.50	
	5	1	LOW	Q16	22.10	22.24	22.23	23.50
			MID	Q16	21.93	22.12	21.95	23.50
HIGH			Q16	21.94	21.96	21.89	23.50	
12		LOW	Q16	20.80	20.52	20.64	22.50	
		MID	Q16	20.75	20.82	20.72	22.50	
		HIGH	Q16	20.63	20.86	20.84	22.50	
25		LOW	Q16	20.94	20.70	20.71	22.50	
5		1	LOW	64QAM	21.20	21.20	21.28	22.50
			MID	64QAM	21.03	21.08	21.17	22.50
	HIGH		64QAM	20.97	21.02	21.00	22.50	
	12	LOW	64QAM	19.78	19.80	20.01	21.50	
		MID	64QAM	19.85	19.77	20.02	21.50	
		HIGH	64QAM	19.75	20.01	19.74	21.50	
	25	LOW	64QAM	19.99	19.85	19.70	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	23900	23925	23950	Tune-up power(dBm)
	10	1	LOW	QPSK	22.78	22.70	22.75	24.50
MID			QPSK	22.81	22.79	22.82	24.50	
HIGH			QPSK	22.74	22.74	22.72	24.50	
25		LOW	QPSK	21.70	21.69	21.78	23.50	
		MID	QPSK	21.80	21.72	21.74	23.50	
		HIGH	QPSK	21.80	21.77	21.81	23.50	
50		LOW	QPSK	21.77	21.70	21.76	23.50	
10		1	LOW	Q16	21.97	22.10	22.08	23.50
			MID	Q16	22.07	22.15	22.09	23.50
	HIGH		Q16	21.85	22.06	22.02	23.50	
	25	LOW	Q16	20.69	20.72	20.79	22.50	
		MID	Q16	20.78	20.79	20.77	22.50	
		HIGH	Q16	20.78	20.81	20.86	22.50	
	50	LOW	Q16	20.79	20.73	20.78	22.50	
	10	1	LOW	64QAM	21.09	21.09	21.23	22.50
			MID	64QAM	21.06	21.20	21.18	22.50
HIGH			64QAM	20.98	21.28	21.10	22.50	
25		LOW	64QAM	19.69	19.64	19.74	21.50	
		MID	64QAM	19.75	19.75	19.93	21.50	
		HIGH	64QAM	19.92	19.90	19.82	21.50	
50		LOW	64QAM	19.92	19.87	19.72	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	23925			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.71	/	24.50
	MID		QPSK	/	22.67	/	24.50	
	HIGH		QPSK	/	22.74	/	24.50	
	36	LOW	QPSK	/	21.73	/	23.50	
		MID	QPSK	/	21.67	/	23.50	
		HIGH	QPSK	/	21.74	/	23.50	
	75	LOW	QPSK	/	21.64	/	23.50	
	15	1	LOW	Q16	/	22.17	/	23.50
			MID	Q16	/	22.06	/	23.50
HIGH			Q16	/	22.10	/	23.50	
36		LOW	Q16	/	20.60	/	22.50	
		MID	Q16	/	20.85	/	22.50	
		HIGH	Q16	/	20.80	/	22.50	
75		LOW	Q16	/	20.66	/	22.50	
15		1	LOW	64QAM	/	21.24	/	22.50
			MID	64QAM	/	21.18	/	22.50
	HIGH		64QAM	/	21.13	/	22.50	
	36	LOW	64QAM	/	19.61	/	21.50	
		MID	64QAM	/	19.66	/	21.50	
		HIGH	64QAM	/	19.92	/	21.50	
	75	LOW	64QAM	21.50/23.4	19.75	/	21.50	

## 8.3.9 LTE Band19 Output Power

LTE B19-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	24025	24075	24125	Tune-up power(dBm)	
5	1	LOW	QPSK	22.95	22.95	23.09	24.50	
		MID	QPSK	23.04	23.04	23.13	24.50	
		HIGH	QPSK	22.93	22.89	22.98	24.50	
	12	LOW	QPSK	22.07	22.06	21.98	23.50	
		MID	QPSK	22.17	21.77	22.00	23.50	
		HIGH	QPSK	21.80	22.08	22.04	23.50	
	25	LOW	QPSK	21.91	22.21	21.94	23.50	
	5	1	LOW	Q16	22.02	22.17	22.36	23.50
			MID	Q16	22.19	22.36	22.51	23.50
HIGH			Q16	22.33	22.13	22.09	23.50	
12		LOW	Q16	20.88	20.93	20.91	22.50	
		MID	Q16	21.15	20.89	20.97	22.50	
		HIGH	Q16	20.99	20.92	20.92	22.50	
25		LOW	Q16	20.93	20.93	21.06	22.50	
5		1	LOW	64QAM	21.09	21.12	21.46	22.50
			MID	64QAM	21.17	21.34	21.42	22.50
	HIGH		64QAM	21.21	21.20	21.17	22.50	
	12	LOW	64QAM	19.73	19.75	19.79	21.50	
		MID	64QAM	20.04	19.86	19.87	21.50	
		HIGH	64QAM	19.88	20.27	20.30	21.50	
	25	LOW	64QAM	20.15	19.91	20.03	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	24050	24075	24100	Tune-up power(dBm)
	10	1	LOW	QPSK	22.93	23.01	22.94	24.50
MID			QPSK	22.99	23.01	22.99	24.50	
HIGH			QPSK	22.95	22.99	22.91	24.50	
25		LOW	QPSK	21.93	21.93	21.92	23.50	
		MID	QPSK	22.02	21.91	21.91	23.50	
		HIGH	QPSK	21.94	21.99	21.99	23.50	
50		LOW	QPSK	21.99	21.93	21.94	23.50	
10		1	LOW	Q16	22.16	22.15	22.31	23.50
			MID	Q16	22.20	22.21	22.38	23.50
	HIGH		Q16	22.30	22.13	22.23	23.50	
	25	LOW	Q16	20.93	20.96	20.94	22.50	
		MID	Q16	21.04	21.01	20.94	22.50	
		HIGH	Q16	21.00	21.04	21.02	22.50	
	50	LOW	Q16	21.01	20.92	20.93	22.50	
	10	1	LOW	64QAM	21.07	21.11	21.31	22.50
			MID	64QAM	21.26	21.35	21.19	22.50
HIGH			64QAM	21.17	21.05	21.22	22.50	
25		LOW	64QAM	19.91	19.83	20.02	21.50	
		MID	64QAM	20.14	19.90	19.92	21.50	
		HIGH	64QAM	20.03	20.16	20.16	21.50	
50		LOW	64QAM	20.05	19.70	19.99	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	24075			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.89	/	24.50
	MID		QPSK	/	23.04	/	24.50	
	HIGH		QPSK	/	22.85	/	24.50	
	36	LOW	QPSK	/	21.98	/	23.50	
		MID	QPSK	/	21.76	/	23.50	
		HIGH	QPSK	/	22.05	/	23.50	
	75	LOW	QPSK	/	22.06	/	23.50	
	15	1	LOW	Q16	/	22.03	/	23.50
			MID	Q16	/	22.23	/	23.50
HIGH			Q16	/	22.24	/	23.50	
36		LOW	Q16	/	21.03	/	22.50	
		MID	Q16	/	21.04	/	22.50	
		HIGH	Q16	/	20.96	/	22.50	
75		LOW	Q16	/	20.88	/	22.50	
15		1	LOW	64QAM	/	21.01	/	22.50
			MID	64QAM	/	21.24	/	22.50
	HIGH		64QAM	/	21.17	/	22.50	
	36	LOW	64QAM	/	19.80	/	21.50	
		MID	64QAM	/	19.95	/	21.50	
		HIGH	64QAM	/	20.12	/	21.50	
	75	LOW	64QAM	20.1734	19.78	/	21.50	

LTE B19-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	24025	24075	24125	Tune-up power(dBm)	
5	1	LOW	QPSK	20.86	20.91	20.92	22.50	
		MID	QPSK	21.08	21.07	20.99	22.50	
		HIGH	QPSK	20.82	21.03	20.94	22.50	
	12	LOW	QPSK	21.01	20.89	21.02	22.50	
		MID	QPSK	21.04	20.88	20.82	22.50	
		HIGH	QPSK	21.07	21.03	21.01	22.50	
	25	LOW	QPSK	21.10	20.87	20.95	22.50	
	5	1	LOW	Q16	21.18	21.31	21.30	22.50
			MID	Q16	21.36	21.23	21.21	22.50
HIGH			Q16	21.24	21.11	21.19	22.50	
12		LOW	Q16	20.95	20.97	20.81	22.50	
		MID	Q16	20.99	20.99	20.89	22.50	
		HIGH	Q16	20.90	21.00	20.88	22.50	
25		LOW	Q16	21.10	20.87	20.85	22.50	
5		1	LOW	64QAM	21.08	21.09	21.27	22.50
			MID	64QAM	21.22	21.12	21.53	22.50
	HIGH		64QAM	21.03	21.36	21.29	22.50	
	12	LOW	64QAM	20.00	20.11	19.98	21.50	
		MID	64QAM	19.82	19.98	20.18	21.50	
		HIGH	64QAM	20.03	20.05	19.92	21.50	
	25	LOW	64QAM	19.97	20.08	20.04	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	24050	24075	24100	Tune-up power(dBm)
	10	1	LOW	QPSK	21.01	20.93	20.98	22.50
MID			QPSK	21.02	20.98	20.99	22.50	
HIGH			QPSK	20.95	20.91	20.91	22.50	
25		LOW	QPSK	20.96	20.95	20.93	22.50	
		MID	QPSK	21.06	20.93	20.91	22.50	
		HIGH	QPSK	20.99	21.01	20.99	22.50	
50		LOW	QPSK	21.03	20.95	20.94	22.50	
10		1	LOW	Q16	21.15	21.22	21.27	22.50
			MID	Q16	21.23	21.18	21.35	22.50
	HIGH		Q16	21.16	21.20	21.16	22.50	
	25	LOW	Q16	20.95	20.99	20.91	22.50	
		MID	Q16	20.99	21.04	20.95	22.50	
		HIGH	Q16	20.98	21.00	21.00	22.50	
	50	LOW	Q16	21.01	20.92	20.92	22.50	
	10	1	LOW	64QAM	21.15	21.34	21.00	22.50
			MID	64QAM	21.04	21.15	21.58	22.50
HIGH			64QAM	21.01	21.31	21.14	22.50	
25		LOW	64QAM	20.01	19.93	19.94	21.50	
		MID	64QAM	19.89	20.05	20.20	21.50	
		HIGH	64QAM	19.99	20.03	20.03	21.50	
50		LOW	64QAM	20.02	20.11	20.01	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	24075			Tune-up power(dBm)
15		1	LOW	QPSK	/	20.85	/	22.50
	MID		QPSK	/	21.12	/	22.50	
	HIGH		QPSK	/	21.02	/	22.50	
	36	LOW	QPSK	/	20.87	/	22.50	
		MID	QPSK	/	20.97	/	22.50	
		HIGH	QPSK	/	20.97	/	22.50	
	75	LOW	QPSK	/	20.92	/	22.50	
	15	1	LOW	Q16	/	21.33	/	22.50
			MID	Q16	/	21.16	/	22.50
HIGH			Q16	/	21.08	/	22.50	
36		LOW	Q16	/	20.94	/	22.50	
		MID	Q16	/	21.14	/	22.50	
		HIGH	Q16	/	20.91	/	22.50	
75		LOW	Q16	/	20.89	/	22.50	
15		1	LOW	64QAM	/	21.24	/	22.50
			MID	64QAM	/	21.14	/	22.50
	HIGH		64QAM	/	21.35	/	22.50	
	36	LOW	64QAM	/	20.06	/	21.50	
		MID	64QAM	/	19.99	/	21.50	
		HIGH	64QAM	/	19.95	/	21.50	
	75	LOW	64QAM	20.06	20.06	20.06	21.50	



LTE B19-DSI4&5&8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	24025	24075	24125	Tune-up power(dBm)	
5	1	LOW	QPSK	22.95	22.95	23.09	24.50	
		MID	QPSK	23.04	23.04	23.13	24.50	
		HIGH	QPSK	22.93	22.89	22.98	24.50	
	12	LOW	QPSK	22.07	22.06	21.98	23.50	
		MID	QPSK	22.17	21.77	22.00	23.50	
		HIGH	QPSK	21.80	22.08	22.04	23.50	
	25	LOW	QPSK	21.91	22.21	21.94	23.50	
	5	1	LOW	Q16	22.02	22.17	22.36	23.50
			MID	Q16	22.19	22.36	22.51	23.50
HIGH			Q16	22.33	22.13	22.09	23.50	
12		LOW	Q16	20.88	20.93	20.91	22.50	
		MID	Q16	21.15	20.89	20.97	22.50	
		HIGH	Q16	20.99	20.92	20.92	22.50	
25		LOW	Q16	20.93	20.93	21.06	22.50	
5		1	LOW	64QAM	21.09	21.12	21.46	22.50
			MID	64QAM	21.17	21.34	21.42	22.50
	HIGH		64QAM	21.21	21.20	21.17	22.50	
	12	LOW	64QAM	19.73	19.75	19.79	21.50	
		MID	64QAM	20.04	19.86	19.87	21.50	
		HIGH	64QAM	19.88	20.27	20.30	21.50	
	25	LOW	64QAM	20.15	19.91	20.03	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	24050	24075	24100	Tune-up power(dBm)
	10	1	LOW	QPSK	22.93	23.01	22.94	24.50
MID			QPSK	22.99	23.01	22.99	24.50	
HIGH			QPSK	22.95	22.99	22.91	24.50	
25		LOW	QPSK	21.93	21.93	21.92	23.50	
		MID	QPSK	22.02	21.91	21.91	23.50	
		HIGH	QPSK	21.94	21.99	21.99	23.50	
50		LOW	QPSK	21.99	21.93	21.94	23.50	
10		1	LOW	Q16	22.16	22.15	22.31	23.50
			MID	Q16	22.20	22.21	22.38	23.50
	HIGH		Q16	22.30	22.13	22.23	23.50	
	25	LOW	Q16	20.93	20.96	20.94	22.50	
		MID	Q16	21.04	21.01	20.94	22.50	
		HIGH	Q16	21.00	21.04	21.02	22.50	
	50	LOW	Q16	21.01	20.92	20.93	22.50	
	10	1	LOW	64QAM	21.07	21.11	21.31	22.50
			MID	64QAM	21.26	21.35	21.19	22.50
HIGH			64QAM	21.17	21.05	21.22	22.50	
25		LOW	64QAM	19.91	19.83	20.02	21.50	
		MID	64QAM	20.14	19.90	19.92	21.50	
		HIGH	64QAM	20.03	20.16	20.16	21.50	
50		LOW	64QAM	20.05	19.70	19.99	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	24075			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.89	/	24.50
	MID		QPSK	/	23.04	/	24.50	
	HIGH		QPSK	/	22.85	/	24.50	
	36	LOW	QPSK	/	21.98	/	23.50	
		MID	QPSK	/	21.76	/	23.50	
		HIGH	QPSK	/	22.05	/	23.50	
	75	LOW	QPSK	/	22.06	/	23.50	
	15	1	LOW	Q16	/	22.03	/	23.50
			MID	Q16	/	22.23	/	23.50
HIGH			Q16	/	22.24	/	23.50	
36		LOW	Q16	/	21.03	/	22.50	
		MID	Q16	/	21.04	/	22.50	
		HIGH	Q16	/	20.96	/	22.50	
75		LOW	Q16	/	20.88	/	22.50	
15		1	LOW	64QAM	/	21.01	/	22.50
			MID	64QAM	/	21.24	/	22.50
	HIGH		64QAM	/	21.17	/	22.50	
	36	LOW	64QAM	/	19.80	/	21.50	
		MID	64QAM	/	19.95	/	21.50	
		HIGH	64QAM	/	20.12	/	21.50	
	75	LOW	64QAM	/	19.78	/	21.50	

## 8.3.9 LTE Band19 Output Power

LTE B19-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	24025	24075	24125	Tune-up power(dBm)	
5	1	LOW	QPSK	22.72	22.72	22.68	24.50	
		MID	QPSK	22.76	22.95	22.91	24.50	
		HIGH	QPSK	22.93	22.75	22.70	24.50	
	12	LOW	QPSK	21.93	21.53	21.92	23.50	
		MID	QPSK	21.92	21.87	21.93	23.50	
		HIGH	QPSK	21.89	21.95	21.76	23.50	
	25	LOW	QPSK	21.77	21.64	21.89	23.50	
	5	1	LOW	Q16	22.29	21.81	22.08	23.50
			MID	Q16	22.15	21.94	22.12	23.50
HIGH			Q16	22.14	22.03	22.00	23.50	
12		LOW	Q16	20.69	20.76	20.67	22.50	
		MID	Q16	20.91	20.88	20.78	22.50	
		HIGH	Q16	21.10	20.76	20.74	22.50	
25		LOW	Q16	20.90	20.81	20.82	22.50	
5		1	LOW	64QAM	21.29	20.78	21.23	22.50
			MID	64QAM	21.19	21.19	21.20	22.50
	HIGH		64QAM	21.18	21.18	20.75	22.50	
	12	LOW	64QAM	19.87	20.10	19.78	21.50	
		MID	64QAM	19.94	20.03	20.00	21.50	
		HIGH	64QAM	19.83	20.02	19.94	21.50	
	25	LOW	64QAM	19.90	19.78	19.68	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	24050	24075	24100	Tune-up power(dBm)
	10	1	LOW	QPSK	22.83	22.82	22.79	24.50
MID			QPSK	22.90	22.91	22.89	24.50	
HIGH			QPSK	22.81	22.84	22.74	24.50	
25		LOW	QPSK	21.80	21.79	21.80	23.50	
		MID	QPSK	21.90	21.82	21.82	23.50	
		HIGH	QPSK	21.84	21.86	21.86	23.50	
50		LOW	QPSK	21.87	21.79	21.78	23.50	
10		1	LOW	Q16	22.16	22.00	22.22	23.50
			MID	Q16	22.15	22.08	22.26	23.50
	HIGH		Q16	22.23	22.04	21.94	23.50	
	25	LOW	Q16	20.79	20.78	20.82	22.50	
		MID	Q16	20.90	20.80	20.91	22.50	
		HIGH	Q16	20.95	20.85	20.88	22.50	
	50	LOW	Q16	20.87	20.83	20.84	22.50	
	10	1	LOW	64QAM	21.23	20.69	21.14	22.50
			MID	64QAM	21.32	21.28	21.22	22.50
HIGH			64QAM	21.14	21.04	20.92	22.50	
25		LOW	64QAM	19.91	20.00	19.74	21.50	
		MID	64QAM	20.07	19.87	20.14	21.50	
		HIGH	64QAM	19.90	19.87	19.98	21.50	
50		LOW	64QAM	19.81	19.68	19.86	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	24075			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.87	/	24.50
	MID		QPSK	/	22.88	/	24.50	
	HIGH		QPSK	/	22.76	/	24.50	
	36	LOW	QPSK	/	21.66	/	23.50	
		MID	QPSK	/	21.89	/	23.50	
		HIGH	QPSK	/	21.86	/	23.50	
	75	LOW	QPSK	/	21.72	/	23.50	
	15	1	LOW	Q16	/	21.94	/	23.50
			MID	Q16	/	22.02	/	23.50
HIGH			Q16	/	22.11	/	23.50	
36		LOW	Q16	/	20.68	/	22.50	
		MID	Q16	/	20.92	/	22.50	
		HIGH	Q16	/	20.70	/	22.50	
75		LOW	Q16	/	20.78	/	22.50	
15		1	LOW	64QAM	/	20.81	/	22.50
			MID	64QAM	/	21.17	/	22.50
	HIGH		64QAM	/	21.08	/	22.50	
	36	LOW	64QAM	/	20.07	/	21.50	
		MID	64QAM	/	19.94	/	21.50	
		HIGH	64QAM	/	19.91	/	21.50	
	75	LOW	64QAM	/	19.78	/	21.50	

LTE B19-DSI2&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	24025	24075	24125	Tune-up power(dBm)	
5	1	LOW	QPSK	22.72	22.72	22.68	24.50	
		MID	QPSK	22.76	22.95	22.91	24.50	
		HIGH	QPSK	22.93	22.75	22.70	24.50	
	12	LOW	QPSK	21.93	21.53	21.92	23.50	
		MID	QPSK	21.92	21.87	21.93	23.50	
		HIGH	QPSK	21.89	21.95	21.76	23.50	
	25	LOW	QPSK	21.77	21.64	21.89	23.50	
	5	1	LOW	Q16	22.29	21.81	22.08	23.50
			MID	Q16	22.15	21.94	22.12	23.50
HIGH			Q16	22.14	22.03	22.00	23.50	
12		LOW	Q16	20.69	20.76	20.67	22.50	
		MID	Q16	20.91	20.88	20.78	22.50	
		HIGH	Q16	21.10	20.76	20.74	22.50	
25		LOW	Q16	20.90	20.81	20.82	22.50	
5		1	LOW	64QAM	21.29	20.78	21.23	22.50
			MID	64QAM	21.19	21.19	21.20	22.50
	HIGH		64QAM	21.18	21.18	20.75	22.50	
	12	LOW	64QAM	19.87	20.10	19.78	21.50	
		MID	64QAM	19.94	20.03	20.00	21.50	
		HIGH	64QAM	19.83	20.02	19.94	21.50	
	25	LOW	64QAM	19.90	19.78	19.68	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	24050	24075	24100	Tune-up power(dBm)
	10	1	LOW	QPSK	22.83	22.82	22.79	24.50
MID			QPSK	22.90	22.91	22.89	24.50	
HIGH			QPSK	22.81	22.84	22.74	24.50	
25		LOW	QPSK	21.80	21.79	21.80	23.50	
		MID	QPSK	21.90	21.82	21.82	23.50	
		HIGH	QPSK	21.84	21.86	21.86	23.50	
50		LOW	QPSK	21.87	21.79	21.78	23.50	
10		1	LOW	Q16	22.16	22.00	22.22	23.50
			MID	Q16	22.15	22.08	22.26	23.50
	HIGH		Q16	22.23	22.04	21.94	23.50	
	25	LOW	Q16	20.79	20.78	20.82	22.50	
		MID	Q16	20.90	20.80	20.91	22.50	
		HIGH	Q16	20.95	20.85	20.88	22.50	
	50	LOW	Q16	20.87	20.83	20.84	22.50	
	10	1	LOW	64QAM	21.23	20.69	21.14	22.50
			MID	64QAM	21.32	21.28	21.22	22.50
HIGH			64QAM	21.14	21.04	20.92	22.50	
25		LOW	64QAM	19.91	20.00	19.74	21.50	
		MID	64QAM	20.07	19.87	20.14	21.50	
		HIGH	64QAM	19.90	19.87	19.98	21.50	
50		LOW	64QAM	19.81	19.68	19.86	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	24075			Tune-up power(dBm)
15		1	LOW	QPSK	/	22.87	/	24.50
	MID		QPSK	/	22.88	/	24.50	
	HIGH		QPSK	/	22.76	/	24.50	
	36	LOW	QPSK	/	21.66	/	23.50	
		MID	QPSK	/	21.89	/	23.50	
		HIGH	QPSK	/	21.86	/	23.50	
	75	LOW	QPSK	/	21.72	/	23.50	
	15	1	LOW	Q16	/	21.94	/	23.50
			MID	Q16	/	22.02	/	23.50
HIGH			Q16	/	22.11	/	23.50	
36		LOW	Q16	/	20.68	/	22.50	
		MID	Q16	/	20.92	/	22.50	
		HIGH	Q16	/	20.70	/	22.50	
75		LOW	Q16	/	20.78	/	22.50	
15		1	LOW	64QAM	/	20.81	/	22.50
			MID	64QAM	/	21.17	/	22.50
	HIGH		64QAM	/	21.08	/	22.50	
	36	LOW	64QAM	/	20.07	/	21.50	
		MID	64QAM	/	19.94	/	21.50	
		HIGH	64QAM	/	19.91	/	21.50	
	75	LOW	64QAM	/	19.78	/	21.50	

## 8.3.10 LTE Band26 Output Power

LTE B26-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.35	23.13	23.14	25.00	
		MID	QPSK	23.27	23.17	23.23	25.00	
		HIGH	QPSK	23.23	23.11	23.06	25.00	
	3	LOW	QPSK	23.13	23.20	23.25	25.00	
		MID	QPSK	23.38	23.16	23.24	25.00	
		HIGH	QPSK	23.14	23.24	23.24	25.00	
	6	LOW	QPSK	22.19	22.27	22.33	24.00	
	1.4	1	LOW	Q16	22.65	22.31	22.57	24.00
			MID	Q16	22.53	22.81	22.44	24.00
HIGH			Q16	22.86	22.61	22.51	24.00	
3		LOW	Q16	22.49	22.33	22.75	24.00	
		MID	Q16	22.68	22.78	22.61	24.00	
		HIGH	Q16	22.66	22.68	22.55	24.00	
6		LOW	Q16	21.30	21.14	21.37	23.00	
1.4		1	LOW	64QAM	21.60	21.41	21.70	23.00
			MID	64QAM	21.38	21.88	21.55	23.00
	HIGH		64QAM	21.77	21.60	21.50	23.00	
	3	LOW	64QAM	21.61	21.24	21.82	23.00	
		MID	64QAM	21.62	21.81	21.66	23.00	
		HIGH	64QAM	21.57	21.65	21.40	23.00	
	6	LOW	64QAM	20.44	20.09	20.41	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	23.42	23.11	23.34	25.00
MID			QPSK	23.36	23.26	23.09	25.00	
HIGH			QPSK	23.32	23.21	23.23	25.00	
8		LOW	QPSK	22.30	22.43	22.21	24.00	
		MID	QPSK	22.46	22.13	22.30	24.00	
		HIGH	QPSK	22.35	22.27	22.18	24.00	
15		LOW	QPSK	22.43	22.35	22.20	24.00	
3		1	LOW	Q16	22.66	22.41	22.58	24.00
			MID	Q16	22.46	22.55	22.54	24.00
	HIGH		Q16	22.59	22.41	22.53	24.00	
	8	LOW	Q16	21.37	21.17	21.25	23.00	
		MID	Q16	21.16	21.21	21.45	23.00	
		HIGH	Q16	21.24	21.48	21.37	23.00	
	15	LOW	Q16	21.29	21.16	21.22	23.00	
	3	1	LOW	64QAM	21.55	21.24	21.91	23.00
			MID	64QAM	21.65	21.74	21.70	23.00
HIGH			64QAM	21.72	21.57	21.73	23.00	
8		LOW	64QAM	20.24	20.27	20.33	22.00	
		MID	64QAM	20.29	20.19	20.28	22.00	
		HIGH	64QAM	20.18	20.37	20.21	22.00	
15		LOW	64QAM	20.06	20.29	20.12	22.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	23.15	23.13	23.20	25.00
	MID		QPSK	23.21	23.20	23.35	25.00	
	HIGH		QPSK	23.35	23.16	23.09	25.00	
	12	LOW	QPSK	22.27	22.31	22.38	24.00	
		MID	QPSK	22.19	22.23	22.31	24.00	
		HIGH	QPSK	22.24	22.36	22.37	24.00	
	25	LOW	QPSK	22.40	22.21	22.13	24.00	
	5	1	LOW	Q16	22.59	22.49	22.62	24.00
			MID	Q16	22.54	22.71	22.49	24.00
HIGH			Q16	22.62	22.54	22.55	24.00	
12		LOW	Q16	21.08	21.15	21.35	23.00	
		MID	Q16	21.14	21.38	21.45	23.00	
		HIGH	Q16	21.17	21.27	21.43	23.00	
25		LOW	Q16	21.20	21.39	21.25	23.00	
5		1	LOW	64QAM	21.73	21.37	21.79	23.00
			MID	64QAM	21.59	21.80	21.64	23.00
	HIGH		64QAM	21.64	21.44	21.75	23.00	
	12	LOW	64QAM	20.46	20.17	20.42	22.00	
		MID	64QAM	20.49	20.26	20.39	22.00	
		HIGH	64QAM	20.36	20.37	20.06	22.00	
	25	LOW	64QAM	20.30	20.44	20.11	22.00	

LTE B26-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	23.25	23.04	23.11	25.00	
		MID	QPSK	23.33	23.13	23.11	25.00	
		HIGH	QPSK	23.42	23.19	23.12	25.00	
	25	LOW	QPSK	22.25	22.41	22.40	24.00	
		MID	QPSK	22.35	22.18	22.15	24.00	
		HIGH	QPSK	22.21	22.34	22.28	24.00	
	50	LOW	QPSK	22.33	22.15	22.21	24.00	
	10	1	LOW	Q16	22.62	22.37	22.79	24.00
			MID	Q16	22.44	22.76	22.49	24.00
HIGH			Q16	22.87	22.64	22.59	24.00	
25		LOW	Q16	21.12	21.21	21.22	23.00	
		MID	Q16	21.24	21.15	21.18	23.00	
		HIGH	Q16	21.32	21.25	21.25	23.00	
50		LOW	Q16	21.39	21.33	21.12	23.00	
10		1	LOW	64QAM	21.64	21.30	21.76	23.00
			MID	64QAM	21.57	21.64	21.73	23.00
	HIGH		64QAM	21.64	21.41	21.73	23.00	
	25	LOW	64QAM	20.20	20.34	20.43	22.00	
		MID	64QAM	20.22	20.12	20.28	22.00	
		HIGH	64QAM	20.25	20.46	20.16	22.00	
	50	LOW	64QAM	20.19	20.22	20.34	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	23.28	23.29	23.22	25.00
MID			QPSK	23.25	23.24	23.23	25.00	
HIGH			QPSK	23.28	23.15	23.08	25.00	
36		LOW	QPSK	22.23	22.30	22.27	24.00	
		MID	QPSK	22.31	22.26	22.28	24.00	
		HIGH	QPSK	22.31	22.37	22.29	24.00	
75		LOW	QPSK	22.34	22.35	22.28	24.00	
15		1	LOW	Q16	22.63	22.43	22.70	24.00
			MID	Q16	22.57	22.68	22.59	24.00
	HIGH		Q16	22.74	22.55	22.64	24.00	
	36	LOW	Q16	21.22	21.30	21.27	23.00	
		MID	Q16	21.28	21.27	21.33	23.00	
		HIGH	Q16	21.29	21.38	21.31	23.00	
	75	LOW	Q16	21.30	21.29	21.25	23.00	
	15	1	LOW	64QAM	21.62	21.35	21.78	23.00
			MID	64QAM	21.55	21.72	21.72	23.00
HIGH			64QAM	21.64	21.49	21.73	23.00	
36		LOW	64QAM	20.35	20.21	20.37	22.00	
		MID	64QAM	20.34	20.14	20.25	22.00	
		HIGH	64QAM	20.30	20.49	20.20	22.00	
75		LOW	64QAM	20.21	20.33	20.22	22.00	

LTE B26-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.16	21.30	21.39	23.00	
		MID	QPSK	21.34	21.25	21.19	23.00	
		HIGH	QPSK	21.12	21.06	21.12	23.00	
	3	LOW	QPSK	21.24	21.20	21.30	23.00	
		MID	QPSK	21.24	21.36	21.39	23.00	
		HIGH	QPSK	21.09	21.14	21.21	23.00	
	6	LOW	QPSK	21.16	21.17	21.16	23.00	
	1.4	1	LOW	Q16	21.73	21.28	21.47	23.00
			MID	Q16	21.40	21.52	21.45	23.00
HIGH			Q16	21.51	21.60	21.64	23.00	
3		LOW	Q16	21.45	21.33	21.59	23.00	
		MID	Q16	21.54	21.41	21.53	23.00	
		HIGH	Q16	21.44	21.58	21.61	23.00	
6		LOW	Q16	21.41	21.44	21.11	23.00	
1.4		1	LOW	64QAM	21.65	21.43	21.60	23.00
			MID	64QAM	21.42	21.52	21.51	23.00
	HIGH		64QAM	21.36	21.72	21.61	23.00	
	3	LOW	64QAM	21.37	21.18	21.68	23.00	
		MID	64QAM	21.53	21.46	21.56	23.00	
		HIGH	64QAM	21.44	21.48	21.72	23.00	
	6	LOW	64QAM	20.46	20.51	20.06	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	21.39	21.10	21.32	23.00
MID			QPSK	21.23	21.32	21.30	23.00	
HIGH			QPSK	21.22	21.32	21.17	23.00	
8		LOW	QPSK	21.13	21.42	21.41	23.00	
		MID	QPSK	21.42	21.24	21.21	23.00	
		HIGH	QPSK	21.24	21.41	21.37	23.00	
15		LOW	QPSK	21.39	21.25	21.34	23.00	
3		1	LOW	Q16	21.68	21.51	21.59	23.00
			MID	Q16	21.53	21.49	21.62	23.00
	HIGH		Q16	21.48	21.48	21.53	23.00	
	8	LOW	Q16	21.21	21.18	21.22	23.00	
		MID	Q16	21.27	21.16	21.15	23.00	
		HIGH	Q16	21.38	21.39	21.33	23.00	
	15	LOW	Q16	21.31	21.14	21.22	23.00	
	3	1	LOW	64QAM	21.67	21.44	21.51	23.00
			MID	64QAM	21.51	21.41	21.28	23.00
HIGH			64QAM	21.57	21.64	21.56	23.00	
8		LOW	64QAM	20.05	20.10	20.31	22.00	
		MID	64QAM	20.05	20.18	20.33	22.00	
		HIGH	64QAM	20.23	20.38	20.24	22.00	
15		LOW	64QAM	20.37	20.35	20.27	22.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	21.12	21.20	21.24	23.00
	MID		QPSK	21.06	21.37	21.35	23.00	
	HIGH		QPSK	21.26	21.26	21.23	23.00	
	12	LOW	QPSK	21.15	21.39	21.23	23.00	
		MID	QPSK	21.30	21.31	21.19	23.00	
		HIGH	QPSK	21.24	21.36	21.37	23.00	
	25	LOW	QPSK	21.42	21.24	21.11	23.00	
	5	1	LOW	Q16	21.72	21.31	21.60	23.00
			MID	Q16	21.51	21.65	21.50	23.00
HIGH			Q16	21.54	21.62	21.43	23.00	
12		LOW	Q16	21.14	21.30	21.39	23.00	
		MID	Q16	21.41	21.10	21.19	23.00	
		HIGH	Q16	21.29	21.40	21.40	23.00	
25		LOW	Q16	21.24	21.39	21.25	23.00	
5		1	LOW	64QAM	21.85	21.39	21.59	23.00
			MID	64QAM	21.35	21.53	21.34	23.00
	HIGH		64QAM	21.34	21.52	21.27	23.00	
	12	LOW	64QAM	20.22	20.38	20.11	22.00	
		MID	64QAM	20.17	20.20	20.29	22.00	
		HIGH	64QAM	20.29	20.45	20.39	22.00	
	25	LOW	64QAM	20.20	20.25	20.05	22.00	

LTE B26-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	21.38	21.02	21.43	23.00	
		MID	QPSK	21.11	21.26	21.12	23.00	
		HIGH	QPSK	21.13	21.24	21.00	23.00	
	25	LOW	QPSK	21.11	21.44	21.18	23.00	
		MID	QPSK	21.36	21.41	21.36	23.00	
		HIGH	QPSK	21.41	21.23	21.44	23.00	
	50	LOW	QPSK	21.18	21.30	21.23	23.00	
	10	1	LOW	Q16	21.44	21.24	21.52	23.00
			MID	Q16	21.69	21.47	21.41	23.00
HIGH			Q16	21.34	21.57	21.48	23.00	
25		LOW	Q16	21.33	21.38	21.14	23.00	
		MID	Q16	21.26	21.31	21.35	23.00	
		HIGH	Q16	21.30	21.40	21.37	23.00	
50		LOW	Q16	21.38	21.26	21.39	23.00	
10		1	LOW	64QAM	21.69	21.39	21.62	23.00
			MID	64QAM	21.47	21.70	21.37	23.00
	HIGH		64QAM	21.30	21.57	21.28	23.00	
	25	LOW	64QAM	20.25	20.35	20.29	22.00	
		MID	64QAM	20.05	20.12	20.59	22.00	
		HIGH	64QAM	20.30	20.38	20.34	22.00	
	50	LOW	64QAM	20.20	20.08	20.27	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	21.24	21.12	21.28	23.00
MID			QPSK	21.19	21.29	21.27	23.00	
HIGH			QPSK	21.18	21.20	21.08	23.00	
36		LOW	QPSK	21.23	21.31	21.28	23.00	
		MID	QPSK	21.33	21.28	21.33	23.00	
		HIGH	QPSK	21.31	21.35	21.31	23.00	
75		LOW	QPSK	21.30	21.28	21.22	23.00	
15		1	LOW	Q16	21.59	21.39	21.59	23.00
			MID	Q16	21.54	21.55	21.47	23.00
	HIGH		Q16	21.45	21.48	21.55	23.00	
	36	LOW	Q16	21.20	21.28	21.25	23.00	
		MID	Q16	21.26	21.25	21.29	23.00	
		HIGH	Q16	21.30	21.38	21.30	23.00	
	75	LOW	Q16	21.30	21.29	21.24	23.00	
	15	1	LOW	64QAM	21.71	21.53	21.58	23.00
			MID	64QAM	21.42	21.56	21.37	23.00
HIGH			64QAM	21.42	21.49	21.41	23.00	
36		LOW	64QAM	20.07	20.24	20.26	22.00	
		MID	64QAM	20.19	20.27	20.44	22.00	
		HIGH	64QAM	20.22	20.47	20.26	22.00	
75		LOW	64QAM	20.35	20.23	20.15	22.00	

LTE B26-DS14&5&8&9&10 -Ant.13							
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)
1.4	1	LOW	QPSK	23.35	23.13	23.14	25.00
		MID	QPSK	23.27	23.17	23.23	25.00
		HIGH	QPSK	23.23	23.11	23.06	25.00
	3	LOW	QPSK	23.13	23.20	23.25	25.00
		MID	QPSK	23.38	23.16	23.24	25.00
		HIGH	QPSK	23.14	23.24	23.24	25.00
6	LOW	QPSK	22.19	22.27	22.33	24.00	
1.4	1	LOW	Q16	22.65	22.31	22.57	24.00
		MID	Q16	22.53	22.81	22.44	24.00
		HIGH	Q16	22.86	22.61	22.51	24.00
	3	LOW	Q16	22.49	22.33	22.75	24.00
		MID	Q16	22.68	22.78	22.61	24.00
		HIGH	Q16	22.66	22.68	22.55	24.00
6	LOW	Q16	21.30	21.14	21.37	23.00	
1.4	1	LOW	64QAM	21.60	21.41	21.70	23.00
		MID	64QAM	21.38	21.88	21.55	23.00
		HIGH	64QAM	21.77	21.60	21.50	23.00
	3	LOW	64QAM	21.61	21.24	21.82	23.00
		MID	64QAM	21.62	21.81	21.66	23.00
		HIGH	64QAM	21.57	21.65	21.40	23.00
6	LOW	64QAM	20.44	20.09	20.41	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
3	1	LOW	QPSK	23.42	23.11	23.34	25.00
		MID	QPSK	23.36	23.26	23.09	25.00
		HIGH	QPSK	23.32	23.21	23.23	25.00
	8	LOW	QPSK	22.30	22.43	22.21	24.00
		MID	QPSK	22.46	22.13	22.30	24.00
		HIGH	QPSK	22.35	22.27	22.18	24.00
15	LOW	QPSK	22.43	22.35	22.20	24.00	
3	1	LOW	Q16	22.66	22.41	22.58	24.00
		MID	Q16	22.46	22.55	22.54	24.00
		HIGH	Q16	22.59	22.41	22.53	24.00
	8	LOW	Q16	21.37	21.17	21.25	23.00
		MID	Q16	21.16	21.21	21.45	23.00
		HIGH	Q16	21.24	21.48	21.37	23.00
15	LOW	Q16	21.29	21.16	21.22	23.00	
3	1	LOW	64QAM	21.55	21.24	21.91	23.00
		MID	64QAM	21.65	21.74	21.70	23.00
		HIGH	64QAM	21.72	21.57	21.73	23.00
	8	LOW	64QAM	20.24	20.27	20.33	22.00
		MID	64QAM	20.29	20.19	20.28	22.00
		HIGH	64QAM	20.18	20.37	20.21	22.00
15	LOW	64QAM	20.06	20.29	20.12	22.00	
Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5	1	LOW	QPSK	23.15	23.13	23.20	25.00
		MID	QPSK	23.21	23.20	23.35	25.00
		HIGH	QPSK	23.35	23.16	23.09	25.00
	12	LOW	QPSK	22.27	22.31	22.38	24.00
		MID	QPSK	22.19	22.23	22.31	24.00
		HIGH	QPSK	22.24	22.36	22.37	24.00
25	LOW	QPSK	22.40	22.21	22.13	24.00	
5	1	LOW	Q16	22.59	22.49	22.62	24.00
		MID	Q16	22.54	22.71	22.49	24.00
		HIGH	Q16	22.62	22.54	22.55	24.00
	12	LOW	Q16	21.08	21.15	21.35	23.00
		MID	Q16	21.14	21.38	21.45	23.00
		HIGH	Q16	21.17	21.27	21.43	23.00
25	LOW	Q16	21.20	21.39	21.25	23.00	
5	1	LOW	64QAM	21.73	21.37	21.79	23.00
		MID	64QAM	21.59	21.80	21.64	23.00
		HIGH	64QAM	21.64	21.44	21.75	23.00
	12	LOW	64QAM	20.46	20.17	20.42	22.00
		MID	64QAM	20.49	20.26	20.39	22.00
		HIGH	64QAM	20.36	20.37	20.06	22.00
25	LOW	64QAM	20.30	20.44	20.11	22.00	



LTE B26-DSI4&5&8&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	23.25	23.04	23.11	25.00	
		MID	QPSK	23.33	23.13	23.11	25.00	
		HIGH	QPSK	23.42	23.19	23.12	25.00	
	25	LOW	QPSK	22.25	22.41	22.40	24.00	
		MID	QPSK	22.35	22.18	22.15	24.00	
		HIGH	QPSK	22.21	22.34	22.28	24.00	
	50	LOW	QPSK	22.33	22.15	22.21	24.00	
	10	1	LOW	Q16	22.62	22.37	22.79	24.00
			MID	Q16	22.44	22.76	22.49	24.00
HIGH			Q16	22.87	22.64	22.59	24.00	
25		LOW	Q16	21.12	21.21	21.22	23.00	
		MID	Q16	21.24	21.15	21.18	23.00	
		HIGH	Q16	21.32	21.25	21.25	23.00	
50		LOW	Q16	21.39	21.33	21.12	23.00	
10		1	LOW	64QAM	21.64	21.30	21.76	23.00
			MID	64QAM	21.57	21.64	21.73	23.00
	HIGH		64QAM	21.64	21.41	21.73	23.00	
	25	LOW	64QAM	20.20	20.34	20.43	22.00	
		MID	64QAM	20.22	20.12	20.28	22.00	
		HIGH	64QAM	20.25	20.46	20.16	22.00	
	50	LOW	64QAM	20.19	20.22	20.34	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	23.28	23.29	23.22	25.00
MID			QPSK	23.25	23.24	23.23	25.00	
HIGH			QPSK	23.28	23.15	23.08	25.00	
36		LOW	QPSK	22.23	22.30	22.27	24.00	
		MID	QPSK	22.31	22.26	22.28	24.00	
		HIGH	QPSK	22.31	22.37	22.29	24.00	
75		LOW	QPSK	22.34	22.26	22.28	24.00	
15		1	LOW	Q16	22.63	22.43	22.70	24.00
			MID	Q16	22.57	22.68	22.59	24.00
	HIGH		Q16	22.74	22.55	22.64	24.00	
	36	LOW	Q16	21.22	21.30	21.27	23.00	
		MID	Q16	21.28	21.27	21.33	23.00	
		HIGH	Q16	21.29	21.38	21.31	23.00	
	75	LOW	Q16	21.30	21.29	21.25	23.00	
	15	1	LOW	64QAM	21.62	21.35	21.78	23.00
			MID	64QAM	21.55	21.72	21.72	23.00
HIGH			64QAM	21.64	21.49	21.73	23.00	
36		LOW	64QAM	20.35	20.21	20.37	22.00	
		MID	64QAM	20.34	20.14	20.25	22.00	
		HIGH	64QAM	20.30	20.49	20.20	22.00	
75		LOW	64QAM	20.21	20.33	20.22	22.00	

## 8.3.10 LTE Band26 Output Power

LTE B26-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.26	23.12	23.18	25.00	
		MID	QPSK	23.26	23.18	23.02	25.00	
		HIGH	QPSK	23.12	23.01	23.12	25.00	
	3	LOW	QPSK	23.16	23.03	23.27	25.00	
		MID	QPSK	23.11	23.27	23.28	25.00	
		HIGH	QPSK	23.16	23.26	23.18	25.00	
	6	LOW	QPSK	22.21	22.13	22.24	24.00	
	1.4	1	LOW	Q16	22.41	22.49	22.33	24.00
			MID	Q16	22.45	22.53	22.48	24.00
HIGH			Q16	22.57	22.35	22.58	24.00	
3		LOW	Q16	22.35	22.25	22.48	24.00	
		MID	Q16	22.31	22.38	22.48	24.00	
		HIGH	Q16	22.41	22.44	22.35	24.00	
6		LOW	Q16	21.15	21.12	21.22	23.00	
1.4		1	LOW	64QAM	21.31	21.55	21.36	23.00
			MID	64QAM	21.59	21.67	21.53	23.00
	HIGH		64QAM	21.61	21.23	21.44	23.00	
	3	LOW	64QAM	21.28	21.13	21.47	23.00	
		MID	64QAM	21.18	21.23	21.50	23.00	
		HIGH	64QAM	21.36	21.58	21.36	23.00	
	6	LOW	64QAM	20.08	20.12	20.36	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	23.07	23.23	23.29	25.00
MID			QPSK	23.25	23.13	23.07	25.00	
HIGH			QPSK	23.29	23.14	23.16	25.00	
8		LOW	QPSK	22.02	22.16	22.08	24.00	
		MID	QPSK	22.05	22.23	22.13	24.00	
		HIGH	QPSK	22.19	22.30	22.06	24.00	
15		LOW	QPSK	22.35	22.03	22.18	24.00	
3		1	LOW	Q16	22.32	22.31	22.40	24.00
			MID	Q16	22.23	22.43	22.28	24.00
	HIGH		Q16	22.49	22.36	22.42	24.00	
	8	LOW	Q16	21.06	21.09	21.00	23.00	
		MID	Q16	21.17	21.02	21.09	23.00	
		HIGH	Q16	21.22	21.36	21.05	23.00	
	15	LOW	Q16	21.16	21.03	21.12	23.00	
	3	1	LOW	64QAM	21.41	21.41	21.61	23.00
			MID	64QAM	21.44	21.72	21.54	23.00
HIGH			64QAM	21.59	21.21	21.35	23.00	
8		LOW	64QAM	20.05	20.21	20.26	22.00	
		MID	64QAM	20.13	20.09	20.18	22.00	
		HIGH	64QAM	20.36	20.18	20.45	22.00	
15		LOW	64QAM	20.10	20.16	20.13	22.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	23.02	23.23	23.13	25.00
	MID		QPSK	23.11	23.21	23.15	25.00	
	HIGH		QPSK	23.18	23.13	23.02	25.00	
	12	LOW	QPSK	22.26	22.17	22.23	24.00	
		MID	QPSK	22.29	22.03	22.22	24.00	
		HIGH	QPSK	22.22	22.07	22.13	24.00	
	25	LOW	QPSK	22.23	22.31	22.16	24.00	
	5	1	LOW	Q16	22.53	22.20	22.38	24.00
			MID	Q16	22.21	22.42	22.26	24.00
HIGH			Q16	22.43	22.40	22.49	24.00	
12		LOW	Q16	21.04	21.07	21.22	23.00	
		MID	Q16	21.13	21.29	21.33	23.00	
		HIGH	Q16	21.18	21.08	21.11	23.00	
25		LOW	Q16	21.17	21.24	21.25	23.00	
5		1	LOW	64QAM	21.50	21.37	21.62	23.00
			MID	64QAM	21.17	21.54	21.33	23.00
	HIGH		64QAM	21.57	21.44	21.48	23.00	
	12	LOW	64QAM	20.23	20.04	20.07	22.00	
		MID	64QAM	20.14	20.16	20.30	22.00	
		HIGH	64QAM	20.23	20.31	20.34	22.00	
	25	LOW	64QAM	20.05	20.23	20.13	22.00	

LTE B26-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	23.27	23.03	23.18	25.00	
		MID	QPSK	23.07	23.09	23.06	25.00	
		HIGH	QPSK	23.26	23.19	23.04	25.00	
	25	LOW	QPSK	22.01	22.14	22.20	24.00	
		MID	QPSK	22.03	22.01	22.21	24.00	
		HIGH	QPSK	22.33	22.14	22.09	24.00	
	50	LOW	QPSK	22.18	22.04	22.13	24.00	
	10	1	LOW	Q16	22.53	22.26	22.36	24.00
			MID	Q16	22.21	22.36	22.38	24.00
HIGH			Q16	22.58	22.31	22.31	24.00	
25		LOW	Q16	21.02	21.03	21.21	23.00	
		MID	Q16	21.05	21.09	21.11	23.00	
		HIGH	Q16	21.28	21.19	21.22	23.00	
50		LOW	Q16	21.25	21.30	21.06	23.00	
10		1	LOW	64QAM	21.61	21.24	21.54	23.00
			MID	64QAM	21.43	21.57	21.33	23.00
	HIGH		64QAM	21.65	21.40	21.40	23.00	
	25	LOW	64QAM	20.19	20.29	20.04	22.00	
		MID	64QAM	20.22	20.25	20.09	22.00	
		HIGH	64QAM	20.16	20.32	20.36	22.00	
	50	LOW	64QAM	20.00	20.40	20.17	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	23.12	23.03	23.02	25.00
MID			QPSK	23.10	23.12	23.10	25.00	
HIGH			QPSK	23.05	23.05	23.08	25.00	
36		LOW	QPSK	22.10	22.16	22.13	24.00	
		MID	QPSK	22.17	22.25	22.20	24.00	
		HIGH	QPSK	22.18	22.19	22.15	24.00	
75		LOW	QPSK	22.21	22.18	22.16	24.00	
15		1	LOW	Q16	22.46	22.35	22.44	24.00
			MID	Q16	22.35	22.42	22.33	24.00
	HIGH		Q16	22.54	22.34	22.45	24.00	
	36	LOW	Q16	21.09	21.14	21.13	23.00	
		MID	Q16	21.16	21.14	21.23	23.00	
		HIGH	Q16	21.20	21.23	21.16	23.00	
	75	LOW	Q16	21.18	21.17	21.12	23.00	
	15	1	LOW	64QAM	21.50	21.26	21.48	23.00
			MID	64QAM	21.32	21.57	21.43	23.00
HIGH			64QAM	21.60	21.32	21.50	23.00	
36		LOW	64QAM	20.16	20.06	20.01	22.00	
		MID	64QAM	20.28	20.15	20.20	22.00	
		HIGH	64QAM	20.23	20.26	20.30	22.00	
75		LOW	64QAM	20.03	20.31	20.14	22.00	

LTE B26-DS12&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26697	26865	27033	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.26	23.12	23.18	25.00	
		MID	QPSK	23.26	23.18	23.02	25.00	
		HIGH	QPSK	23.12	23.01	23.12	25.00	
	3	LOW	QPSK	23.16	23.03	23.27	25.00	
		MID	QPSK	23.11	23.27	23.28	25.00	
		HIGH	QPSK	23.16	23.26	23.18	25.00	
	6	LOW	QPSK	22.21	22.13	22.24	24.00	
	1.4	1	LOW	Q16	22.41	22.49	22.33	24.00
			MID	Q16	22.45	22.53	22.48	24.00
HIGH			Q16	22.57	22.35	22.58	24.00	
3		LOW	Q16	22.35	22.25	22.48	24.00	
		MID	Q16	22.31	22.38	22.48	24.00	
		HIGH	Q16	22.41	22.44	22.35	24.00	
6		LOW	Q16	21.15	21.12	21.22	23.00	
1.4		1	LOW	64QAM	21.31	21.55	21.36	23.00
			MID	64QAM	21.59	21.67	21.53	23.00
	HIGH		64QAM	21.61	21.23	21.44	23.00	
	3	LOW	64QAM	21.28	21.13	21.47	23.00	
		MID	64QAM	21.18	21.23	21.50	23.00	
		HIGH	64QAM	21.36	21.58	21.36	23.00	
	6	LOW	64QAM	20.08	20.12	20.36	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
	3	1	LOW	QPSK	23.07	23.23	23.29	25.00
MID			QPSK	23.25	23.13	23.07	25.00	
HIGH			QPSK	23.29	23.14	23.16	25.00	
8		LOW	QPSK	22.02	22.16	22.08	24.00	
		MID	QPSK	22.05	22.23	22.13	24.00	
		HIGH	QPSK	22.19	22.30	22.06	24.00	
15		LOW	QPSK	22.35	22.03	22.18	24.00	
3		1	LOW	Q16	22.32	22.31	22.40	24.00
			MID	Q16	22.23	22.43	22.28	24.00
	HIGH		Q16	22.49	22.36	22.42	24.00	
	8	LOW	Q16	21.06	21.09	21.00	23.00	
		MID	Q16	21.17	21.02	21.09	23.00	
		HIGH	Q16	21.22	21.36	21.05	23.00	
	15	LOW	Q16	21.16	21.03	21.12	23.00	
	3	1	LOW	64QAM	21.41	21.41	21.61	23.00
			MID	64QAM	21.44	21.72	21.54	23.00
HIGH			64QAM	21.59	21.21	21.35	23.00	
8		LOW	64QAM	20.05	20.21	20.26	22.00	
		MID	64QAM	20.13	20.09	20.18	22.00	
		HIGH	64QAM	20.36	20.18	20.45	22.00	
15		LOW	64QAM	20.10	20.16	20.13	22.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	26715	26865	27015	Tune-up power(dBm)
5		1	LOW	QPSK	23.02	23.23	23.13	25.00
	MID		QPSK	23.11	23.21	23.15	25.00	
	HIGH		QPSK	23.18	23.13	23.02	25.00	
	12	LOW	QPSK	22.26	22.17	22.23	24.00	
		MID	QPSK	22.29	22.03	22.22	24.00	
		HIGH	QPSK	22.22	22.07	22.13	24.00	
	25	LOW	QPSK	22.23	22.31	22.16	24.00	
5	1	LOW	Q16	22.53	22.20	22.38	24.00	
		MID	Q16	22.21	22.42	22.26	24.00	
		HIGH	Q16	22.43	22.40	22.49	24.00	
	12	LOW	Q16	21.04	21.07	21.22	23.00	
		MID	Q16	21.13	21.29	21.33	23.00	
		HIGH	Q16	21.18	21.08	21.11	23.00	
	25	LOW	Q16	21.17	21.24	21.25	23.00	
	5	1	LOW	64QAM	21.50	21.37	21.62	23.00
			MID	64QAM	21.17	21.54	21.33	23.00
HIGH			64QAM	21.57	21.44	21.48	23.00	
12		LOW	64QAM	20.23	20.04	20.07	22.00	
		MID	64QAM	20.14	20.16	20.30	22.00	
		HIGH	64QAM	20.23	20.31	20.34	22.00	
25		LOW	64QAM	20.05	20.23	20.13	22.00	

LTE B26-DS12&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	26740	26865	26990	Tune-up power(dBm)	
10	1	LOW	QPSK	23.27	23.03	23.18	25.00	
		MID	QPSK	23.07	23.09	23.06	25.00	
		HIGH	QPSK	23.26	23.19	23.04	25.00	
	25	LOW	QPSK	22.01	22.14	22.20	24.00	
		MID	QPSK	22.03	22.01	22.21	24.00	
		HIGH	QPSK	22.33	22.14	22.09	24.00	
	50	LOW	QPSK	22.18	22.04	22.13	24.00	
	10	1	LOW	Q16	22.53	22.26	22.36	24.00
			MID	Q16	22.21	22.36	22.38	24.00
HIGH			Q16	22.58	22.31	22.31	24.00	
25		LOW	Q16	21.02	21.03	21.21	23.00	
		MID	Q16	21.05	21.09	21.11	23.00	
		HIGH	Q16	21.28	21.19	21.22	23.00	
50		LOW	Q16	21.25	21.30	21.06	23.00	
10		1	LOW	64QAM	21.61	21.24	21.54	23.00
			MID	64QAM	21.43	21.57	21.33	23.00
	HIGH		64QAM	21.65	21.40	21.40	23.00	
	25	LOW	64QAM	20.19	20.29	20.04	22.00	
		MID	64QAM	20.22	20.25	20.09	22.00	
		HIGH	64QAM	20.16	20.32	20.36	22.00	
	50	LOW	64QAM	20.00	20.40	20.17	22.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	26765	26865	26965	Tune-up power(dBm)
	15	1	LOW	QPSK	23.12	23.03	23.02	25.00
MID			QPSK	23.10	23.12	23.10	25.00	
HIGH			QPSK	23.05	23.05	23.08	25.00	
36		LOW	QPSK	22.10	22.16	22.13	24.00	
		MID	QPSK	22.17	22.25	22.20	24.00	
		HIGH	QPSK	22.18	22.19	22.15	24.00	
75		LOW	QPSK	22.21	22.18	22.16	24.00	
15		1	LOW	Q16	22.46	22.35	22.44	24.00
			MID	Q16	22.35	22.42	22.33	24.00
	HIGH		Q16	22.54	22.34	22.45	24.00	
	36	LOW	Q16	21.09	21.14	21.13	23.00	
		MID	Q16	21.16	21.14	21.23	23.00	
		HIGH	Q16	21.20	21.23	21.16	23.00	
	75	LOW	Q16	21.18	21.17	21.12	23.00	
	15	1	LOW	64QAM	21.50	21.26	21.48	23.00
			MID	64QAM	21.32	21.57	21.43	23.00
HIGH			64QAM	21.60	21.32	21.50	23.00	
36		LOW	64QAM	20.16	20.06	20.01	22.00	
		MID	64QAM	20.28	20.15	20.20	22.00	
		HIGH	64QAM	20.23	20.26	20.30	22.00	
75		LOW	64QAM	20.03	20.31	20.14	22.00	

## 8.3.11 LTE Band66 Output Power

LTE B66-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.22	22.92	22.67	24.50	
		MID	QPSK	23.05	22.82	22.72	24.50	
		HIGH	QPSK	22.98	22.89	22.81	24.50	
	3	LOW	QPSK	23.18	22.77	22.75	24.50	
		MID	QPSK	23.13	22.80	22.89	24.50	
		HIGH	QPSK	23.15	22.96	22.66	24.50	
	6	LOW	QPSK	22.04	21.75	21.87	23.50	
	1.4	1	LOW	Q16	22.22	22.22	21.95	23.50
			MID	Q16	22.25	22.06	21.95	23.50
HIGH			Q16	22.36	22.10	21.86	23.50	
3		LOW	Q16	22.32	21.73	21.92	23.50	
		MID	Q16	22.20	22.20	21.99	23.50	
		HIGH	Q16	22.41	22.24	21.83	23.50	
6		LOW	Q16	20.92	20.97	20.80	22.50	
1.4		1	LOW	64QAM	21.13	21.14	21.06	22.50
			MID	64QAM	21.15	21.09	21.10	22.50
	HIGH		64QAM	21.30	21.06	20.77	22.50	
	3	LOW	64QAM	21.34	20.76	20.93	22.50	
		MID	64QAM	21.29	21.14	21.02	22.50	
		HIGH	64QAM	21.56	21.11	20.77	22.50	
	6	LOW	64QAM	19.99	20.07	19.90	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.19	22.97	22.84	24.50
MID			QPSK	23.11	22.83	22.61	24.50	
HIGH			QPSK	23.25	22.75	22.62	24.50	
8		LOW	QPSK	22.12	21.92	21.64	23.50	
		MID	QPSK	21.95	21.96	21.85	23.50	
		HIGH	QPSK	22.09	22.00	21.81	23.50	
15		LOW	QPSK	21.94	21.76	21.78	23.50	
3		1	LOW	Q16	22.40	22.30	21.71	23.50
			MID	Q16	22.29	22.06	22.04	23.50
	HIGH		Q16	22.17	22.26	21.99	23.50	
	8	LOW	Q16	21.15	20.97	20.92	22.50	
		MID	Q16	21.14	20.86	20.88	22.50	
		HIGH	Q16	20.93	20.86	20.92	22.50	
	15	LOW	Q16	21.07	20.83	20.74	22.50	
	3	1	LOW	64QAM	21.33	21.30	21.15	22.50
			MID	64QAM	21.46	21.30	20.88	22.50
HIGH			64QAM	21.18	21.13	21.04	22.50	
8		LOW	64QAM	20.06	19.72	19.78	21.50	
		MID	64QAM	19.90	19.93	19.89	21.50	
		HIGH	64QAM	19.91	19.74	19.92	21.50	
15		LOW	64QAM	19.83	19.71	19.84	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.07	22.73	22.65	24.50
	MID		QPSK	22.98	22.97	22.65	24.50	
	HIGH		QPSK	23.02	22.92	22.60	24.50	
	12	LOW	QPSK	22.06	21.81	21.71	23.50	
		MID	QPSK	21.98	21.75	21.97	23.50	
		HIGH	QPSK	21.90	21.74	21.91	23.50	
	25	LOW	QPSK	22.05	21.86	21.91	23.50	
	5	1	LOW	Q16	22.27	22.34	21.98	23.50
			MID	Q16	22.26	22.24	21.97	23.50
HIGH			Q16	22.26	22.21	21.84	23.50	
12		LOW	Q16	21.12	20.94	20.76	22.50	
		MID	Q16	21.09	20.91	20.72	22.50	
		HIGH	Q16	20.96	20.90	20.77	22.50	
25		LOW	Q16	20.84	20.88	20.91	22.50	
5		1	LOW	64QAM	21.53	21.25	20.96	22.50
			MID	64QAM	21.56	21.03	21.03	22.50
	HIGH		64QAM	21.14	21.18	20.95	22.50	
	12	LOW	64QAM	20.12	19.90	19.86	21.50	
		MID	64QAM	19.84	20.00	19.86	21.50	
		HIGH	64QAM	19.99	19.78	19.89	21.50	
	25	LOW	64QAM	19.82	19.89	19.88	21.50	

LTE B66-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	23.08	22.90	22.64	24.50	
		MID	QPSK	23.11	22.71	22.72	24.50	
		HIGH	QPSK	23.27	22.92	22.66	24.50	
	25	LOW	QPSK	21.99	21.73	21.85	23.50	
		MID	QPSK	22.02	21.89	21.70	23.50	
		HIGH	QPSK	21.99	21.75	21.82	23.50	
	50	LOW	QPSK	22.06	21.98	21.80	23.50	
	10	1	LOW	Q16	22.30	22.27	21.80	23.50
			MID	Q16	22.19	22.18	21.95	23.50
HIGH			Q16	22.27	22.28	22.03	23.50	
25		LOW	Q16	21.18	20.89	20.66	22.50	
		MID	Q16	21.14	21.01	20.86	22.50	
		HIGH	Q16	21.06	20.87	20.68	22.50	
50		LOW	Q16	20.89	20.95	20.91	22.50	
10		1	LOW	64QAM	21.51	21.50	21.10	22.50
			MID	64QAM	21.52	21.27	20.95	22.50
	HIGH		64QAM	21.34	21.30	20.88	22.50	
	25	LOW	64QAM	20.07	19.97	20.00	21.50	
		MID	64QAM	19.76	19.99	19.95	21.50	
		HIGH	64QAM	19.95	19.70	19.96	21.50	
	50	LOW	64QAM	19.85	19.78	19.92	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	22.97	22.97	22.73	24.50
MID			QPSK	22.92	22.96	22.84	24.50	
HIGH			QPSK	22.97	23.00	22.68	24.50	
36		LOW	QPSK	22.12	21.97	21.83	23.50	
		MID	QPSK	22.08	21.74	21.69	23.50	
		HIGH	QPSK	22.09	21.75	21.81	23.50	
75		LOW	QPSK	22.09	21.77	21.86	23.50	
15		1	LOW	Q16	22.24	22.29	21.84	23.50
			MID	Q16	22.33	22.07	21.97	23.50
	HIGH		Q16	22.45	22.13	21.89	23.50	
	36	LOW	Q16	21.19	20.90	20.64	22.50	
		MID	Q16	21.15	20.75	20.98	22.50	
		HIGH	Q16	21.07	20.87	20.71	22.50	
	75	LOW	Q16	20.99	20.82	20.75	22.50	
	15	1	LOW	64QAM	21.51	21.47	21.14	22.50
			MID	64QAM	21.30	21.23	20.82	22.50
HIGH			64QAM	21.17	21.29	21.01	22.50	
36		LOW	64QAM	20.09	19.82	19.81	21.50	
		MID	64QAM	20.05	19.83	19.86	21.50	
		HIGH	64QAM	19.96	19.68	19.96	21.50	
75		LOW	64QAM	19.90	19.76	19.73	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	22.84	22.69	23.08	24.50
	MID		QPSK	22.83	22.76	23.06	24.50	
	HIGH		QPSK	22.90	22.69	23.12	24.50	
	50	LOW	QPSK	21.85	21.77	22.13	23.50	
		MID	QPSK	21.86	21.82	22.02	23.50	
		HIGH	QPSK	21.86	21.79	22.01	23.50	
	100	LOW	QPSK	21.85	21.81	22.02	23.50	
	20	1	LOW	Q16	22.36	22.29	21.86	23.50
			MID	Q16	22.31	22.17	21.95	23.50
HIGH			Q16	22.32	22.24	21.94	23.50	
50		LOW	Q16	21.08	20.83	20.78	22.50	
		MID	Q16	21.02	20.86	20.83	22.50	
		HIGH	Q16	20.96	20.89	20.82	22.50	
100		LOW	Q16	20.98	20.85	20.82	22.50	
20		1	LOW	64QAM	21.45	21.37	21.00	22.50
			MID	64QAM	21.42	21.17	20.94	22.50
	HIGH		64QAM	21.24	21.27	20.92	22.50	
	50	LOW	64QAM	20.10	19.85	19.89	21.50	
		MID	64QAM	19.91	19.97	19.93	21.50	
		HIGH	64QAM	19.93	19.76	19.82	21.50	
	100	LOW	64QAM	19.86	19.85	19.85	21.50	

LTE B66-DSI2&3 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)		
1.4	1	LOW	QPSK	15.94	15.60	15.74	17.50		
		MID	QPSK	15.93	15.73	15.52	17.50		
		HIGH	QPSK	16.05	15.72	15.79	17.50		
	3	LOW	QPSK	16.10	15.75	15.60	17.50		
		MID	QPSK	16.04	15.77	15.67	17.50		
		HIGH	QPSK	16.08	15.98	15.79	17.50		
	6	LOW	QPSK	15.92	15.80	15.81	17.50		
	1.4	1	LOW	Q16	16.31	16.12	15.86	17.50	
			MID	Q16	16.52	16.23	16.00	17.50	
HIGH			Q16	16.44	16.15	15.92	17.50		
3		LOW	Q16	16.26	15.95	15.85	17.50		
		MID	Q16	16.51	16.24	16.16	17.50		
		HIGH	Q16	16.43	15.95	15.88	17.50		
6		LOW	Q16	16.02	15.70	15.62	17.50		
1.4		1	LOW	64QAM	16.23	16.29	15.81	17.50	
			MID	64QAM	16.39	16.40	16.22	17.50	
	HIGH		64QAM	16.24	16.19	15.99	17.50		
	3	LOW	64QAM	16.41	16.10	15.76	17.50		
		MID	64QAM	16.62	16.16	16.02	17.50		
		HIGH	64QAM	16.46	15.95	15.83	17.50		
	6	LOW	64QAM	16.06	15.90	15.67	17.50		
	3	3	1	LOW	QPSK	16.08	15.81	15.56	17.50
				MID	QPSK	16.03	15.89	15.84	17.50
HIGH				QPSK	16.14	15.90	15.89	17.50	
8			LOW	QPSK	16.16	15.66	15.58	17.50	
			MID	QPSK	16.09	15.94	15.87	17.50	
			HIGH	QPSK	16.03	15.88	16.08	17.50	
15			LOW	QPSK	15.95	15.89	15.71	17.50	
3			1	LOW	Q16	16.22	16.29	15.99	17.50
				MID	Q16	16.37	16.15	16.13	17.50
		HIGH		Q16	16.28	16.13	16.06	17.50	
		8	LOW	Q16	15.95	15.70	15.85	17.50	
			MID	Q16	15.94	15.78	15.65	17.50	
			HIGH	Q16	16.15	15.89	15.74	17.50	
15		LOW	Q16	16.02	15.71	15.79	17.50		
3		1	LOW	64QAM	16.19	15.98	15.83	17.50	
	MID		64QAM	16.33	16.36	16.17	17.50		
	HIGH		64QAM	16.19	16.17	16.16	17.50		
	8	LOW	64QAM	15.90	15.56	15.51	17.50		
		MID	64QAM	15.77	15.75	15.68	17.50		
		HIGH	64QAM	15.86	15.86	16.04	17.50		
	15	LOW	64QAM	15.88	15.86	15.75	17.50		
	5	5	1	LOW	QPSK	16.04	15.73	15.68	17.50
				MID	QPSK	16.03	15.63	15.58	17.50
HIGH				QPSK	15.85	15.70	15.63	17.50	
12			LOW	QPSK	15.90	15.66	15.79	17.50	
			MID	QPSK	16.20	15.71	16.00	17.50	
			HIGH	QPSK	16.09	15.74	15.85	17.50	
25			LOW	QPSK	15.98	15.77	15.67	17.50	
5			1	LOW	Q16	16.30	16.32	15.92	17.50
				MID	Q16	16.21	16.27	16.14	17.50
		HIGH		Q16	16.25	16.13	15.83	17.50	
		12	LOW	Q16	15.86	15.76	15.89	17.50	
			MID	Q16	15.97	15.82	15.76	17.50	
			HIGH	Q16	15.96	16.01	15.88	17.50	
25		LOW	Q16	15.99	15.85	15.84	17.50		
5		1	LOW	64QAM	16.26	15.97	15.81	17.50	
	MID		64QAM	16.51	16.17	16.36	17.50		
	HIGH		64QAM	16.37	16.21	15.97	17.50		
	12	LOW	64QAM	16.02	15.79	15.88	17.50		
		MID	64QAM	15.82	15.98	15.94	17.50		
		HIGH	64QAM	15.95	15.67	16.03	17.50		
	25	LOW	64QAM	15.92	15.78	15.71	17.50		



LTE B66-DSI2&3 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	16.05	15.66	15.64	17.50	
		MID	QPSK	15.80	15.72	15.71	17.50	
		HIGH	QPSK	15.88	15.90	15.82	17.50	
	25	LOW	QPSK	15.93	15.83	15.67	17.50	
		MID	QPSK	15.88	15.88	15.80	17.50	
		HIGH	QPSK	16.05	15.95	15.81	17.50	
	50	LOW	QPSK	15.97	16.02	15.79	17.50	
	10	1	LOW	Q16	16.35	16.28	15.94	17.50
			MID	Q16	16.50	16.32	16.13	17.50
HIGH			Q16	16.29	16.06	15.94	17.50	
25		LOW	Q16	15.91	15.81	15.72	17.50	
		MID	Q16	15.90	15.84	15.76	17.50	
		HIGH	Q16	16.05	15.69	15.75	17.50	
50		LOW	Q16	15.96	15.76	15.69	17.50	
10		1	LOW	64QAM	16.32	16.08	15.81	17.50
			MID	64QAM	16.58	16.27	16.14	17.50
	HIGH		64QAM	16.37	16.26	15.87	17.50	
	25	LOW	64QAM	16.00	15.90	15.79	17.50	
		MID	64QAM	16.07	15.94	15.60	17.50	
		HIGH	64QAM	15.96	15.79	16.08	17.50	
	50	LOW	64QAM	16.09	15.75	15.80	17.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	16.15	15.69	15.58	17.50
MID			QPSK	16.00	15.69	15.89	17.50	
HIGH			QPSK	16.01	15.74	15.51	17.50	
36		LOW	QPSK	15.88	15.90	15.91	17.50	
		MID	QPSK	16.14	15.98	15.73	17.50	
		HIGH	QPSK	16.12	15.91	16.04	17.50	
75		LOW	QPSK	15.92	15.99	15.80	17.50	
15		1	LOW	Q16	16.43	16.22	15.78	17.50
			MID	Q16	16.31	15.96	16.14	17.50
	HIGH		Q16	16.50	16.16	15.99	17.50	
	36	LOW	Q16	16.01	15.99	15.68	17.50	
		MID	Q16	15.96	15.97	15.58	17.50	
		HIGH	Q16	16.11	15.79	15.89	17.50	
	75	LOW	Q16	16.01	15.74	15.84	17.50	
	15	1	LOW	64QAM	16.32	15.88	15.89	17.50
			MID	64QAM	16.56	16.25	16.17	17.50
HIGH			64QAM	16.51	16.21	15.92	17.50	
36		LOW	64QAM	15.98	15.72	15.79	17.50	
		MID	64QAM	16.04	15.85	15.59	17.50	
		HIGH	64QAM	16.10	15.85	15.89	17.50	
75		LOW	64QAM	15.78	15.79	15.67	17.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	15.80	16.03	15.73	17.50
	MID		QPSK	15.77	15.90	15.80	17.50	
	HIGH		QPSK	15.88	16.03	15.70	17.50	
	50	LOW	QPSK	15.83	16.06	15.74	17.50	
		MID	QPSK	15.80	16.08	15.78	17.50	
		HIGH	QPSK	15.90	16.11	15.88	17.50	
	100	LOW	QPSK	15.93	15.97	15.80	17.50	
	20	1	LOW	Q16	16.19	16.22	15.88	17.50
			MID	Q16	16.40	16.08	16.07	17.50
HIGH			Q16	16.28	16.19	15.92	17.50	
50		LOW	Q16	15.97	15.84	15.78	17.50	
		MID	Q16	16.07	15.91	15.84	17.50	
		HIGH	Q16	16.02	15.80	15.81	17.50	
100		LOW	Q16	15.95	15.92	15.81	17.50	
20		1	LOW	64QAM	16.34	16.10	15.92	17.50
			MID	64QAM	16.51	16.19	16.28	17.50
	HIGH		64QAM	16.25	16.20	16.01	17.50	
	50	LOW	64QAM	15.97	15.68	15.68	17.50	
		MID	64QAM	15.84	15.89	15.63	17.50	
		HIGH	64QAM	15.92	15.83	15.92	17.50	
	100	LOW	64QAM	16.00	15.96	15.64	17.50	

LTE B66-DSI4 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.22	22.92	22.67	24.50	
		MID	QPSK	23.05	22.82	22.72	24.50	
		HIGH	QPSK	22.98	22.89	22.81	24.50	
	3	LOW	QPSK	23.18	22.77	22.75	24.50	
		MID	QPSK	23.13	22.80	22.89	24.50	
		HIGH	QPSK	23.15	22.96	22.66	24.50	
	6	LOW	QPSK	22.04	21.75	21.87	23.50	
	1.4	1	LOW	Q16	22.22	22.22	21.95	23.50
			MID	Q16	22.25	22.06	21.95	23.50
HIGH			Q16	22.36	22.10	21.86	23.50	
3		LOW	Q16	22.32	21.73	21.92	23.50	
		MID	Q16	22.20	22.20	21.99	23.50	
		HIGH	Q16	22.41	22.24	21.83	23.50	
6		LOW	Q16	20.92	20.97	20.80	22.50	
1.4		1	LOW	64QAM	21.13	21.14	21.06	22.50
			MID	64QAM	21.15	21.09	21.10	22.50
	HIGH		64QAM	21.30	21.06	20.77	22.50	
	3	LOW	64QAM	21.34	20.76	20.93	22.50	
		MID	64QAM	21.29	21.14	21.02	22.50	
		HIGH	64QAM	21.56	21.11	20.77	22.50	
	6	LOW	64QAM	19.99	20.07	19.90	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.19	22.97	22.84	24.50
MID			QPSK	23.11	22.83	22.61	24.50	
HIGH			QPSK	23.25	22.75	22.62	24.50	
8		LOW	QPSK	22.12	21.92	21.64	23.50	
		MID	QPSK	21.95	21.96	21.85	23.50	
		HIGH	QPSK	22.09	22.00	21.81	23.50	
15		LOW	QPSK	21.94	21.76	21.78	23.50	
3		1	LOW	Q16	22.40	22.30	21.71	23.50
			MID	Q16	22.29	22.06	22.04	23.50
	HIGH		Q16	22.17	22.26	21.99	23.50	
	8	LOW	Q16	21.15	20.97	20.92	22.50	
		MID	Q16	21.14	20.86	20.88	22.50	
		HIGH	Q16	20.93	20.86	20.92	22.50	
	15	LOW	Q16	21.07	20.83	20.74	22.50	
	3	1	LOW	64QAM	21.33	21.30	21.15	22.50
			MID	64QAM	21.46	21.30	20.88	22.50
HIGH			64QAM	21.18	21.13	21.04	22.50	
8		LOW	64QAM	20.06	19.72	19.78	21.50	
		MID	64QAM	19.90	19.93	19.89	21.50	
		HIGH	64QAM	19.91	19.74	19.92	21.50	
15		LOW	64QAM	19.83	19.71	19.84	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.07	22.73	22.65	24.50
	MID		QPSK	22.98	22.97	22.65	24.50	
	HIGH		QPSK	23.02	22.92	22.60	24.50	
	12	LOW	QPSK	22.06	21.81	21.71	23.50	
		MID	QPSK	21.98	21.75	21.97	23.50	
		HIGH	QPSK	21.90	21.74	21.91	23.50	
	25	LOW	QPSK	22.05	21.86	21.91	23.50	
	5	1	LOW	Q16	22.27	22.34	21.98	23.50
			MID	Q16	22.26	22.24	21.97	23.50
HIGH			Q16	22.26	22.21	21.84	23.50	
12		LOW	Q16	21.12	20.94	20.76	22.50	
		MID	Q16	21.09	20.91	20.72	22.50	
		HIGH	Q16	20.96	20.90	20.77	22.50	
25		LOW	Q16	20.84	20.88	20.91	22.50	
5		1	LOW	64QAM	21.53	21.25	20.96	22.50
			MID	64QAM	21.56	21.03	21.03	22.50
	HIGH		64QAM	21.14	21.18	20.95	22.50	
	12	LOW	64QAM	20.12	19.90	19.86	21.50	
		MID	64QAM	19.84	20.00	19.86	21.50	
		HIGH	64QAM	19.99	19.78	19.89	21.50	
	25	LOW	64QAM	19.82	19.89	19.88	21.50	

LTE B66-DSI4 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	23.08	22.90	22.64	24.50	
		MID	QPSK	23.11	22.71	22.72	24.50	
		HIGH	QPSK	23.27	22.92	22.66	24.50	
	25	LOW	QPSK	21.99	21.73	21.85	23.50	
		MID	QPSK	22.02	21.89	21.70	23.50	
		HIGH	QPSK	21.99	21.75	21.82	23.50	
	50	LOW	QPSK	22.06	21.98	21.80	23.50	
	10	1	LOW	Q16	22.30	22.27	21.80	23.50
			MID	Q16	22.19	22.18	21.95	23.50
HIGH			Q16	22.27	22.28	22.03	23.50	
25		LOW	Q16	21.18	20.89	20.66	22.50	
		MID	Q16	21.14	21.01	20.86	22.50	
		HIGH	Q16	21.06	20.87	20.68	22.50	
50		LOW	Q16	20.89	20.95	20.91	22.50	
10		1	LOW	64QAM	21.51	21.50	21.10	22.50
			MID	64QAM	21.52	21.27	20.95	22.50
	HIGH		64QAM	21.34	21.30	20.88	22.50	
	25	LOW	64QAM	20.07	19.97	20.00	21.50	
		MID	64QAM	19.76	19.99	19.95	21.50	
		HIGH	64QAM	19.95	19.70	19.96	21.50	
	50	LOW	64QAM	19.85	19.78	19.92	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	22.97	22.97	22.73	24.50
MID			QPSK	22.92	22.96	22.84	24.50	
HIGH			QPSK	22.97	23.00	22.68	24.50	
36		LOW	QPSK	22.12	21.97	21.83	23.50	
		MID	QPSK	22.08	21.74	21.69	23.50	
		HIGH	QPSK	22.09	21.75	21.81	23.50	
75		LOW	QPSK	22.09	21.77	21.86	23.50	
15		1	LOW	Q16	22.24	22.29	21.84	23.50
			MID	Q16	22.33	22.07	21.97	23.50
	HIGH		Q16	22.45	22.13	21.89	23.50	
	36	LOW	Q16	21.19	20.90	20.64	22.50	
		MID	Q16	21.15	20.75	20.98	22.50	
		HIGH	Q16	21.07	20.87	20.71	22.50	
	75	LOW	Q16	20.99	20.82	20.75	22.50	
	15	1	LOW	64QAM	21.51	21.47	21.14	22.50
			MID	64QAM	21.30	21.23	20.82	22.50
HIGH			64QAM	21.17	21.29	21.01	22.50	
36		LOW	64QAM	20.09	19.82	19.81	21.50	
		MID	64QAM	20.05	19.83	19.86	21.50	
		HIGH	64QAM	19.96	19.68	19.96	21.50	
75		LOW	64QAM	19.90	19.76	19.73	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	22.84	22.69	23.08	24.50
	MID		QPSK	22.83	22.76	23.06	24.50	
	HIGH		QPSK	22.90	22.69	23.12	24.50	
	50	LOW	QPSK	21.85	21.77	22.13	23.50	
		MID	QPSK	21.86	21.82	22.02	23.50	
		HIGH	QPSK	21.86	21.79	22.01	23.50	
	100	LOW	QPSK	21.85	21.81	22.02	23.50	
	20	1	LOW	Q16	22.36	22.29	21.86	23.50
			MID	Q16	22.31	22.17	21.95	23.50
HIGH			Q16	22.32	22.24	21.94	23.50	
50		LOW	Q16	21.08	20.83	20.78	22.50	
		MID	Q16	21.02	20.86	20.83	22.50	
		HIGH	Q16	20.96	20.89	20.82	22.50	
100		LOW	Q16	20.98	20.85	20.82	22.50	
20		1	LOW	64QAM	21.45	21.37	21.00	22.50
			MID	64QAM	21.42	21.17	20.94	22.50
	HIGH		64QAM	21.24	21.27	20.92	22.50	
	50	LOW	64QAM	20.10	19.85	19.89	21.50	
		MID	64QAM	19.91	19.97	19.93	21.50	
		HIGH	64QAM	19.93	19.76	19.82	21.50	
	100	LOW	64QAM	19.86	19.85	19.85	21.50	

LTE B66-DSI5 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.03	19.73	19.56	21.50	
		MID	QPSK	19.87	19.60	19.64	21.50	
		HIGH	QPSK	19.73	19.77	19.59	21.50	
	3	LOW	QPSK	20.03	19.62	19.53	21.50	
		MID	QPSK	19.88	19.67	19.59	21.50	
		HIGH	QPSK	19.80	19.72	19.68	21.50	
	6	LOW	QPSK	19.87	19.60	19.85	21.50	
	1.4	1	LOW	Q16	20.20	20.07	19.85	21.50
			MID	Q16	20.10	20.05	19.89	21.50
HIGH			Q16	20.22	20.09	19.74	21.50	
3		LOW	Q16	20.19	19.84	19.73	21.50	
		MID	Q16	20.05	19.93	20.08	21.50	
		HIGH	Q16	20.32	20.00	19.96	21.50	
6		LOW	Q16	19.76	19.63	19.86	21.50	
1.4		1	LOW	64QAM	20.30	20.10	19.85	21.50
			MID	64QAM	20.11	19.98	19.80	21.50
	HIGH		64QAM	20.28	20.09	19.80	21.50	
	3	LOW	64QAM	20.05	19.89	19.61	21.50	
		MID	64QAM	20.12	20.02	20.15	21.50	
		HIGH	64QAM	20.41	20.02	19.84	21.50	
	6	LOW	64QAM	19.77	19.65	19.86	21.50	
	3	1	LOW	QPSK	19.97	19.62	19.51	21.50
			MID	QPSK	19.80	19.81	19.60	21.50
HIGH			QPSK	19.75	19.68	19.60	21.50	
8		LOW	QPSK	19.95	19.82	19.74	21.50	
		MID	QPSK	19.87	19.91	19.77	21.50	
		HIGH	QPSK	19.86	19.75	19.81	21.50	
15		LOW	QPSK	19.73	19.74	19.87	21.50	
3		1	LOW	Q16	20.26	19.94	19.99	21.50
			MID	Q16	20.08	20.13	19.92	21.50
	HIGH		Q16	20.10	20.04	20.01	21.50	
	8	LOW	Q16	20.03	19.75	19.51	21.50	
		MID	Q16	19.89	19.67	19.88	21.50	
		HIGH	Q16	19.90	19.84	19.76	21.50	
	15	LOW	Q16	19.76	19.76	19.77	21.50	
	3	1	LOW	64QAM	20.17	20.04	19.87	21.50
			MID	64QAM	20.01	20.10	20.05	21.50
HIGH			64QAM	20.17	19.95	20.07	21.50	
8		LOW	64QAM	19.94	19.51	19.70	21.50	
		MID	64QAM	19.85	19.61	19.84	21.50	
		HIGH	64QAM	19.83	19.73	19.93	21.50	
15		LOW	64QAM	19.77	19.67	19.86	21.50	
5		1	LOW	QPSK	20.02	19.83	19.82	21.50
			MID	QPSK	20.03	19.65	19.72	21.50
	HIGH		QPSK	19.98	19.66	19.64	21.50	
	12	LOW	QPSK	20.05	19.77	19.80	21.50	
		MID	QPSK	19.73	19.80	19.67	21.50	
		HIGH	QPSK	19.91	19.77	19.68	21.50	
	25	LOW	QPSK	19.83	19.75	19.68	21.50	
	5	1	LOW	Q16	20.09	20.14	19.86	21.50
			MID	Q16	20.13	20.01	19.88	21.50
HIGH			Q16	20.20	20.01	19.81	21.50	
12		LOW	Q16	20.10	19.87	19.54	21.50	
		MID	Q16	19.90	19.70	19.81	21.50	
		HIGH	Q16	19.76	19.91	19.64	21.50	
25		LOW	Q16	19.87	19.90	19.69	21.50	
5		1	LOW	64QAM	19.93	20.24	19.95	21.50
			MID	64QAM	20.00	19.98	20.18	21.50
	HIGH		64QAM	20.08	20.09	19.98	21.50	
	12	LOW	64QAM	20.11	19.70	19.76	21.50	
		MID	64QAM	19.80	19.57	19.90	21.50	
		HIGH	64QAM	19.83	19.88	19.83	21.50	
	25	LOW	64QAM	19.90	19.86	19.97	21.50	

LTE B66-DSI5 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	19.97	19.84	19.66	21.50	
		MID	QPSK	20.04	19.81	19.76	21.50	
		HIGH	QPSK	19.97	19.69	19.72	21.50	
	25	LOW	QPSK	19.85	19.60	19.63	21.50	
		MID	QPSK	20.00	19.81	19.71	21.50	
		HIGH	QPSK	19.92	19.68	19.82	21.50	
	50	LOW	QPSK	19.77	19.60	19.84	21.50	
	10	1	LOW	Q16	20.30	20.19	19.88	21.50
			MID	Q16	20.18	20.06	19.95	21.50
HIGH			Q16	20.23	20.08	19.92	21.50	
25		LOW	Q16	20.07	19.71	19.77	21.50	
		MID	Q16	19.95	19.91	19.65	21.50	
		HIGH	Q16	19.97	19.75	19.70	21.50	
50		LOW	Q16	19.80	19.72	19.88	21.50	
10		1	LOW	64QAM	20.13	20.26	20.08	21.50
			MID	64QAM	20.02	20.09	20.03	21.50
	HIGH		64QAM	20.21	20.18	20.01	21.50	
	25	LOW	64QAM	20.03	19.55	19.70	21.50	
		MID	64QAM	19.68	19.63	19.93	21.50	
		HIGH	64QAM	19.84	19.96	19.89	21.50	
	50	LOW	64QAM	19.74	19.67	19.80	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	19.81	19.64	19.63	21.50
MID			QPSK	19.95	19.59	19.51	21.50	
HIGH			QPSK	19.82	19.71	19.58	21.50	
36		LOW	QPSK	19.86	19.60	19.76	21.50	
		MID	QPSK	19.82	19.78	19.83	21.50	
		HIGH	QPSK	19.81	19.61	19.84	21.50	
75		LOW	QPSK	19.83	19.73	19.71	21.50	
15		1	LOW	Q16	20.09	20.08	19.86	21.50
			MID	Q16	20.24	19.99	20.12	21.50
	HIGH		Q16	20.25	20.12	19.77	21.50	
	36	LOW	Q16	19.87	19.83	19.72	21.50	
		MID	Q16	19.84	19.73	19.76	21.50	
		HIGH	Q16	19.88	19.80	19.67	21.50	
	75	LOW	Q16	19.79	19.91	19.75	21.50	
	15	1	LOW	64QAM	20.02	20.31	20.08	21.50
			MID	64QAM	19.98	20.00	20.01	21.50
HIGH			64QAM	20.07	20.09	19.84	21.50	
36		LOW	64QAM	19.95	19.60	19.79	21.50	
		MID	64QAM	19.88	19.67	19.76	21.50	
		HIGH	64QAM	19.92	19.97	19.96	21.50	
75		LOW	64QAM	19.94	19.83	19.74	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	19.94	19.70	19.58	21.50
	MID		QPSK	19.90	19.69	19.66	21.50	
	HIGH		QPSK	19.88	19.76	19.60	21.50	
	50	LOW	QPSK	19.95	19.75	19.67	21.50	
		MID	QPSK	19.87	19.78	19.78	21.50	
		HIGH	QPSK	19.85	19.73	19.75	21.50	
	100	LOW	QPSK	19.85	19.75	19.77	21.50	
	20	1	LOW	Q16	20.20	20.04	19.88	21.50
			MID	Q16	20.16	20.05	19.97	21.50
HIGH			Q16	20.25	20.06	19.89	21.50	
50		LOW	Q16	19.96	19.73	19.64	21.50	
		MID	Q16	19.86	19.80	19.77	21.50	
		HIGH	Q16	19.86	19.80	19.76	21.50	
100		LOW	Q16	19.84	19.78	19.77	21.50	
20		1	LOW	64QAM	20.06	20.17	19.96	21.50
			MID	64QAM	20.12	20.04	20.08	21.50
	HIGH		64QAM	20.22	20.08	19.96	21.50	
	50	LOW	64QAM	20.05	19.58	19.77	21.50	
		MID	64QAM	19.76	19.70	19.89	21.50	
		HIGH	64QAM	19.88	19.84	19.88	21.50	
	100	LOW	64QAM	19.80	19.73	19.83	21.50	

LTE B66-DS18&9&10 -Ant.13									
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)		
1.4	1	LOW	QPSK	19.43	19.12	19.12	21.00		
		MID	QPSK	19.28	19.32	19.33	21.00		
		HIGH	QPSK	19.35	19.46	19.14	21.00		
	3	LOW	QPSK	19.32	19.15	19.01	21.00		
		MID	QPSK	19.23	19.07	19.20	21.00		
		HIGH	QPSK	19.29	19.27	19.11	21.00		
	6	LOW	QPSK	19.46	19.28	19.23	21.00		
	1.4	1	LOW	Q16	19.97	19.51	19.50	21.00	
			MID	Q16	19.81	19.47	19.40	21.00	
HIGH			Q16	19.71	19.76	19.36	21.00		
3		LOW	Q16	19.81	19.15	19.64	21.00		
		MID	Q16	19.75	19.49	19.39	21.00		
		HIGH	Q16	19.76	19.75	19.41	21.00		
6		LOW	Q16	19.52	19.38	19.33	21.00		
1.4		1	LOW	64QAM	19.99	19.55	19.54	21.00	
			MID	64QAM	19.67	19.39	19.47	21.00	
	HIGH		64QAM	19.79	19.87	19.45	21.00		
	3	LOW	64QAM	19.93	19.08	19.73	21.00		
		MID	64QAM	19.65	19.61	19.29	21.00		
		HIGH	64QAM	19.80	19.60	19.37	21.00		
	6	LOW	64QAM	19.37	19.27	19.38	21.00		
	3	3	1	LOW	QPSK	19.40	19.37	19.27	21.00
				MID	QPSK	19.32	19.10	19.40	21.00
HIGH				QPSK	19.33	19.21	19.20	21.00	
8			LOW	QPSK	19.54	19.17	19.28	21.00	
			MID	QPSK	19.44	19.41	19.11	21.00	
			HIGH	QPSK	19.50	19.38	19.23	21.00	
15			LOW	QPSK	19.47	19.43	19.22	21.00	
3			1	LOW	Q16	19.87	19.54	19.37	21.00
				MID	Q16	19.91	19.53	19.57	21.00
		HIGH		Q16	19.73	19.61	19.43	21.00	
		8	LOW	Q16	19.56	19.33	19.14	21.00	
			MID	Q16	19.41	19.31	19.28	21.00	
			HIGH	Q16	19.32	19.23	19.17	21.00	
		15	LOW	Q16	19.44	19.39	19.32	21.00	
		3	1	LOW	64QAM	19.73	19.43	19.47	21.00
				MID	64QAM	19.85	19.53	19.52	21.00
HIGH				64QAM	19.84	19.81	19.47	21.00	
8			LOW	64QAM	19.40	19.12	19.22	21.00	
	MID		64QAM	19.43	19.28	19.32	21.00		
	HIGH		64QAM	19.57	19.44	19.13	21.00		
15	LOW		64QAM	19.56	19.36	19.13	21.00		
5	5		1	LOW	QPSK	19.52	19.23	19.17	21.00
				MID	QPSK	19.44	19.14	19.22	21.00
		HIGH		QPSK	19.41	19.27	19.27	21.00	
		12	LOW	QPSK	19.50	19.34	19.27	21.00	
			MID	QPSK	19.64	19.32	19.16	21.00	
			HIGH	QPSK	19.34	19.44	19.36	21.00	
		25	LOW	QPSK	19.37	19.36	19.35	21.00	
		5	1	LOW	Q16	19.85	19.65	19.45	21.00
				MID	Q16	19.85	19.57	19.38	21.00
	HIGH			Q16	19.81	19.53	19.53	21.00	
	12		LOW	Q16	19.50	19.10	19.27	21.00	
			MID	Q16	19.36	19.19	19.34	21.00	
			HIGH	Q16	19.41	19.37	19.16	21.00	
	25		LOW	Q16	19.29	19.28	19.32	21.00	
	5		1	LOW	64QAM	19.90	19.56	19.60	21.00
				MID	64QAM	19.76	19.73	19.68	21.00
		HIGH		64QAM	19.88	19.78	19.28	21.00	
		12	LOW	64QAM	19.34	19.32	19.09	21.00	
MID			64QAM	19.61	19.37	19.27	21.00		
HIGH			64QAM	19.50	19.43	19.15	21.00		
25		LOW	64QAM	19.63	19.54	19.33	21.00		

LTE B66-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	19.25	19.22	19.01	21.00	
		MID	QPSK	19.50	19.20	19.37	21.00	
		HIGH	QPSK	19.58	19.42	19.20	21.00	
	25	LOW	QPSK	19.40	19.38	19.34	21.00	
		MID	QPSK	19.37	19.31	19.31	21.00	
		HIGH	QPSK	19.40	19.15	19.18	21.00	
	50	LOW	QPSK	19.42	19.16	19.15	21.00	
	10	1	LOW	Q16	19.76	19.68	19.44	21.00
			MID	Q16	19.91	19.46	19.47	21.00
HIGH			Q16	19.93	19.66	19.53	21.00	
25		LOW	Q16	19.60	19.35	19.29	21.00	
		MID	Q16	19.42	19.31	19.21	21.00	
		HIGH	Q16	19.37	19.40	19.45	21.00	
50		LOW	Q16	19.27	19.23	19.25	21.00	
10		1	LOW	64QAM	19.88	19.47	19.52	21.00
			MID	64QAM	19.87	19.74	19.67	21.00
	HIGH		64QAM	19.91	19.76	19.32	21.00	
	25	LOW	64QAM	19.41	19.31	19.10	21.00	
		MID	64QAM	19.46	19.29	19.38	21.00	
		HIGH	64QAM	19.49	19.53	19.24	21.00	
	50	LOW	64QAM	19.60	19.52	19.16	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	19.33	19.27	19.05	21.00
MID			QPSK	19.53	19.25	19.21	21.00	
HIGH			QPSK	19.33	19.44	19.19	21.00	
36		LOW	QPSK	19.47	19.13	19.08	21.00	
		MID	QPSK	19.36	19.47	19.38	21.00	
		HIGH	QPSK	19.41	19.20	19.20	21.00	
75		LOW	QPSK	19.28	19.21	19.32	21.00	
15		1	LOW	Q16	19.85	19.66	19.58	21.00
			MID	Q16	19.97	19.60	19.60	21.00
	HIGH		Q16	19.96	19.78	19.38	21.00	
	36	LOW	Q16	19.42	19.21	19.32	21.00	
		MID	Q16	19.38	19.44	19.15	21.00	
		HIGH	Q16	19.29	19.25	19.43	21.00	
	75	LOW	Q16	19.54	19.46	19.19	21.00	
	15	1	LOW	64QAM	19.96	19.56	19.63	21.00
			MID	64QAM	19.88	19.67	19.57	21.00
HIGH			64QAM	19.99	19.69	19.49	21.00	
36		LOW	64QAM	19.46	19.20	19.31	21.00	
		MID	64QAM	19.52	19.49	19.52	21.00	
		HIGH	64QAM	19.53	19.56	19.35	21.00	
75		LOW	64QAM	19.58	19.41	19.30	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	19.12	19.22	19.40	21.00
	MID		QPSK	19.26	19.22	19.38	21.00	
	HIGH		QPSK	19.21	19.32	19.43	21.00	
	50	LOW	QPSK	19.21	19.23	19.50	21.00	
		MID	QPSK	19.26	19.34	19.50	21.00	
		HIGH	QPSK	19.31	19.30	19.45	21.00	
	100	LOW	QPSK	19.22	19.29	19.43	21.00	
	20	1	LOW	Q16	19.84	19.56	19.51	21.00
			MID	Q16	19.82	19.60	19.49	21.00
HIGH			Q16	19.81	19.64	19.42	21.00	
50		LOW	Q16	19.49	19.25	19.20	21.00	
		MID	Q16	19.43	19.31	19.29	21.00	
		HIGH	Q16	19.43	19.33	19.30	21.00	
100		LOW	Q16	19.41	19.31	19.30	21.00	
20		1	LOW	64QAM	19.87	19.43	19.53	21.00
			MID	64QAM	19.87	19.67	19.55	21.00
	HIGH		64QAM	19.85	19.66	19.39	21.00	
	50	LOW	64QAM	19.38	19.25	19.22	21.00	
		MID	64QAM	19.50	19.37	19.42	21.00	
		HIGH	64QAM	19.51	19.45	19.24	21.00	
	100	LOW	64QAM	19.49	19.45	19.24	21.00	

## 8.3.11 LTE Band2 Output Power

LTE B66-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.01	23.23	23.25	24.50	
		MID	QPSK	23.29	23.27	23.32	24.50	
		HIGH	QPSK	22.93	23.05	23.05	24.50	
	3	LOW	QPSK	23.08	23.11	23.25	24.50	
		MID	QPSK	23.30	23.11	23.13	24.50	
		HIGH	QPSK	22.90	22.97	23.14	24.50	
	6	LOW	QPSK	21.93	22.06	22.08	23.50	
	1.4	1	LOW	Q16	21.96	22.24	22.12	23.50
			MID	Q16	22.14	22.07	21.99	23.50
HIGH			Q16	21.96	22.36	22.22	23.50	
3		LOW	Q16	22.11	22.13	22.11	23.50	
		MID	Q16	22.06	22.17	22.04	23.50	
		HIGH	Q16	22.05	22.32	22.05	23.50	
6		LOW	Q16	21.23	20.97	21.26	22.50	
1.4		1	LOW	64QAM	20.84	20.90	21.13	22.50
			MID	64QAM	21.01	21.10	21.02	22.50
	HIGH		64QAM	21.28	20.65	21.08	22.50	
	3	LOW	64QAM	20.92	21.02	21.30	22.50	
		MID	64QAM	21.07	20.95	20.90	22.50	
		HIGH	64QAM	21.14	20.71	21.01	22.50	
	6	LOW	64QAM	19.86	19.99	19.96	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.01	23.30	23.16	24.50
MID			QPSK	23.08	23.24	23.13	24.50	
HIGH			QPSK	23.07	22.91	23.22	24.50	
8		LOW	QPSK	21.97	22.11	22.13	23.50	
		MID	QPSK	22.06	22.12	22.18	23.50	
		HIGH	QPSK	22.21	21.84	22.06	23.50	
15		LOW	QPSK	21.98	21.95	22.14	23.50	
3		1	LOW	Q16	22.13	22.31	22.15	23.50
			MID	Q16	22.14	22.06	22.03	23.50
	HIGH		Q16	21.99	22.13	22.10	23.50	
	8	LOW	Q16	20.98	20.92	21.01	22.50	
		MID	Q16	21.20	20.79	20.86	22.50	
		HIGH	Q16	21.06	20.88	20.88	22.50	
	15	LOW	Q16	21.13	21.02	21.06	22.50	
	3	1	LOW	64QAM	20.81	21.15	21.30	22.50
			MID	64QAM	21.00	20.98	20.90	22.50
HIGH			64QAM	21.24	20.67	21.03	22.50	
8		LOW	64QAM	19.96	20.16	19.92	21.50	
		MID	64QAM	20.05	19.86	20.05	21.50	
		HIGH	64QAM	20.36	20.14	20.31	21.50	
15		LOW	64QAM	20.03	20.02	19.88	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.02	23.25	23.26	24.50
	MID		QPSK	23.25	23.31	23.28	24.50	
	HIGH		QPSK	22.87	23.05	23.19	24.50	
	12	LOW	QPSK	22.18	21.97	22.24	23.50	
		MID	QPSK	22.01	22.08	22.33	23.50	
		HIGH	QPSK	22.20	21.96	22.05	23.50	
	25	LOW	QPSK	22.20	22.17	22.14	23.50	
	5	1	LOW	Q16	22.01	22.01	22.18	23.50
			MID	Q16	22.25	22.27	22.00	23.50
HIGH			Q16	22.24	22.24	21.95	23.50	
12		LOW	Q16	21.07	21.14	20.91	22.50	
		MID	Q16	21.27	20.91	20.87	22.50	
		HIGH	Q16	21.08	21.08	20.94	22.50	
25		LOW	Q16	21.01	21.18	21.17	22.50	
5		1	LOW	64QAM	20.87	20.88	21.17	22.50
			MID	64QAM	21.10	20.85	20.85	22.50
	HIGH		64QAM	21.15	20.67	21.12	22.50	
	12	LOW	64QAM	20.14	20.00	19.90	21.50	
		MID	64QAM	20.30	19.90	20.21	21.50	
		HIGH	64QAM	20.16	20.20	20.16	21.50	
	25	LOW	64QAM	19.76/19.74	19.93	20.03	21.50	



LTE B66-Full Power -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	22.99	23.11	23.16	24.50		
		MID	QPSK	23.18	23.21	23.27	24.50		
		HIGH	QPSK	23.02	23.01	23.21	24.50		
	25	LOW	QPSK	21.96	22.02	22.11	23.50		
		MID	QPSK	22.12	22.14	22.37	23.50		
		HIGH	QPSK	22.02	21.84	22.18	23.50		
	50	LOW	QPSK	22.01	22.07	22.19	23.50		
	10	1	LOW	Q16	21.92	22.29	22.05	23.50	
			MID	Q16	22.05	22.25	21.91	23.50	
HIGH			Q16	22.25	22.20	22.21	23.50		
25		LOW	Q16	21.00	20.90	20.94	22.50		
		MID	Q16	21.00	21.09	20.96	22.50		
		HIGH	Q16	21.07	20.94	20.89	22.50		
50		LOW	Q16	20.97	21.01	21.01	22.50		
10		1	LOW	64QAM	20.79	20.93	21.09	22.50	
			MID	64QAM	20.99	20.84	20.98	22.50	
	HIGH		64QAM	21.23	20.87	21.07	22.50		
	25	LOW	64QAM	20.17	20.21	19.89	21.50		
		MID	64QAM	20.19	19.97	20.05	21.50		
		HIGH	64QAM	20.30	20.17	20.10	21.50		
	50	LOW	64QAM	19.91	19.90	19.80	21.50		
	15	15	1	LOW	QPSK	23.06	23.04	23.21	24.50
				MID	QPSK	23.16	23.08	23.23	24.50
HIGH				QPSK	23.01	23.14	23.11	24.50	
36			LOW	QPSK	22.24	21.94	22.24	23.50	
			MID	QPSK	21.93	22.02	22.38	23.50	
			HIGH	QPSK	21.96	22.10	21.99	23.50	
75			LOW	QPSK	22.06	22.04	22.12	23.50	
15			1	LOW	Q16	22.18	22.13	22.08	23.50
				MID	Q16	22.18	22.18	21.89	23.50
		HIGH		Q16	22.04	22.25	22.12	23.50	
		36	LOW	Q16	20.92	21.13	20.97	22.50	
			MID	Q16	21.05	20.86	21.03	22.50	
			HIGH	Q16	21.10	20.87	20.96	22.50	
		75	LOW	Q16	20.98	21.17	21.18	22.50	
		15	1	LOW	64QAM	20.97	20.95	21.06	22.50
				MID	64QAM	21.22	20.87	20.92	22.50
HIGH				64QAM	21.23	20.94	21.08	22.50	
36			LOW	64QAM	20.09	20.11	20.11	21.50	
	MID		64QAM	20.21	19.87	19.99	21.50		
	HIGH		64QAM	20.36	20.08	20.24	21.50		
75	LOW		64QAM	20.07	19.89	20.05	21.50		
20	20		1	LOW	QPSK	23.08	23.15	23.17	24.50
				MID	QPSK	23.23	23.23	23.28	24.50
		HIGH		QPSK	22.99	23.04	23.07	24.50	
		50	LOW	QPSK	22.11	22.08	22.21	23.50	
			MID	QPSK	22.06	22.17	22.27	23.50	
			HIGH	QPSK	22.10	21.96	22.13	23.50	
		100	LOW	QPSK	22.07	22.06	22.04	23.50	
		20	1	LOW	Q16	22.04	22.16	22.11	23.50
				MID	Q16	22.20	22.15	21.98	23.50
	HIGH			Q16	22.11	22.25	22.08	23.50	
	50		LOW	Q16	21.04	21.05	20.94	22.50	
			MID	Q16	21.15	20.94	20.99	22.50	
			HIGH	Q16	21.10	20.97	21.02	22.50	
	100		LOW	Q16	21.10	21.07	21.13	22.50	
	20		1	LOW	64QAM	20.82	21.00	21.16	22.50
				MID	64QAM	21.09	20.96	20.92	22.50
		HIGH		64QAM	21.16	20.80	21.00	22.50	
		50	LOW	64QAM	20.09	20.07	20.02	21.50	
MID			64QAM	20.20	19.98	20.06	21.50		
HIGH			64QAM	20.22	20.11	20.24	21.50		
100		LOW	64QAM	19.77	19.84	19.88	21.50		

LTE B66-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	14.21	14.20	14.35	15.00	
		MID	QPSK	14.30	14.44	14.60	15.00	
		HIGH	QPSK	14.08	14.17	14.24	15.00	
	3	LOW	QPSK	14.04	14.21	14.35	15.00	
		MID	QPSK	14.17	14.63	14.32	15.00	
		HIGH	QPSK	14.17	14.07	14.35	15.00	
	6	LOW	QPSK	14.29	14.18	14.12	15.00	
	1.4	1	LOW	Q16	14.32	14.48	14.36	15.00
			MID	Q16	14.21	14.45	14.53	15.00
HIGH			Q16	14.53	14.24	14.39	15.00	
3		LOW	Q16	14.43	14.45	14.31	15.00	
		MID	Q16	14.33	14.17	14.28	15.00	
		HIGH	Q16	14.19	14.21	14.33	15.00	
6		LOW	Q16	13.92	14.14	13.87	15.00	
1.4		1	LOW	64QAM	14.25	14.11	14.08	15.00
			MID	64QAM	14.08	14.00	14.29	15.00
	HIGH		64QAM	14.03	13.93	13.84	15.00	
	3	LOW	64QAM	14.01	13.95	14.30	15.00	
		MID	64QAM	13.93	13.94	14.06	15.00	
		HIGH	64QAM	14.22	13.97	14.04	15.00	
	6	LOW	64QAM	13.97	14.27	14.14	15.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	14.18	14.38	14.31	15.00
MID			QPSK	14.37	14.58	14.15	15.00	
HIGH			QPSK	14.25	14.35	14.12	15.00	
8		LOW	QPSK	14.47	14.27	14.23	15.00	
		MID	QPSK	13.98	14.05	14.21	15.00	
		HIGH	QPSK	14.30	14.43	14.09	15.00	
15		LOW	QPSK	14.44	14.03	14.00	15.00	
3		1	LOW	Q16	14.29	14.38	14.19	15.00
			MID	Q16	14.16	14.45	14.34	15.00
	HIGH		Q16	14.34	14.28	14.48	15.00	
	8	LOW	Q16	14.22	13.99	13.99	15.00	
		MID	Q16	14.40	14.07	14.04	15.00	
		HIGH	Q16	14.17	14.35	13.81	15.00	
	15	LOW	Q16	13.67	14.14	14.01	15.00	
	3	1	LOW	64QAM	13.93	14.14	14.20	15.00
			MID	64QAM	14.07	13.94	14.17	15.00
HIGH			64QAM	14.13	14.12	14.11	15.00	
8		LOW	64QAM	14.09	13.84	14.07	15.00	
		MID	64QAM	13.95	14.03	13.86	15.00	
		HIGH	64QAM	13.99	14.08	13.83	15.00	
15		LOW	64QAM	13.80	14.22	14.10	15.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	14.09	14.21	14.32	15.00
	MID		QPSK	14.34	14.54	14.25	15.00	
	HIGH		QPSK	14.13	14.36	14.22	15.00	
	12	LOW	QPSK	14.40	14.28	14.13	15.00	
		MID	QPSK	14.06	14.15	14.04	15.00	
		HIGH	QPSK	14.34	14.23	14.04	15.00	
	25	LOW	QPSK	14.22	14.18	13.85	15.00	
	5	1	LOW	Q16	14.43	14.22	14.16	15.00
			MID	Q16	14.25	14.37	14.52	15.00
HIGH			Q16	14.42	14.19	14.16	15.00	
12		LOW	Q16	14.27	14.07	14.10	15.00	
		MID	Q16	14.29	14.03	13.91	15.00	
		HIGH	Q16	14.20	14.34	14.14	15.00	
25		LOW	Q16	13.95	14.12	13.93	15.00	
5		1	LOW	64QAM	13.98	14.10	14.21	15.00
			MID	64QAM	14.17	14.04	14.13	15.00
	HIGH		64QAM	14.01	14.16	13.98	15.00	
	12	LOW	64QAM	14.25	14.00	14.11	15.00	
		MID	64QAM	14.20	14.04	13.89	15.00	
		HIGH	64QAM	13.97	13.99	13.75	15.00	
	25	LOW	64QAM	13.78/734	14.11	14.10	14.08	15.00

LTE B66-DSI2&3 -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	14.08	14.17	14.37	15.00		
		MID	QPSK	14.30	14.45	14.21	15.00		
		HIGH	QPSK	14.16	14.24	14.23	15.00		
	25	LOW	QPSK	14.37	14.18	14.17	15.00		
		MID	QPSK	13.96	14.06	14.27	15.00		
		HIGH	QPSK	14.13	14.01	14.01	15.00		
	50	LOW	QPSK	14.37	14.12	13.87	15.00		
	10	1	LOW	Q16	14.39	14.29	14.29	15.00	
			MID	Q16	14.08	14.22	14.34	15.00	
HIGH			Q16	14.20	14.28	14.10	15.00		
25		LOW	Q16	14.24	13.86	14.02	15.00		
		MID	Q16	14.27	14.20	13.83	15.00		
		HIGH	Q16	14.05	14.15	14.04	15.00		
50		LOW	Q16	13.79	14.18	13.98	15.00		
10		1	LOW	64QAM	13.90	14.22	14.16	15.00	
			MID	64QAM	14.01	13.77	14.10	15.00	
	HIGH		64QAM	13.90	14.17	13.93	15.00		
	25	LOW	64QAM	14.20	14.02	14.19	15.00		
		MID	64QAM	14.00	14.08	13.94	15.00		
		HIGH	64QAM	13.80	13.87	13.86	15.00		
	50	LOW	64QAM	13.92	14.23	13.98	15.00		
	15	15	1	LOW	QPSK	14.17	14.19	14.41	15.00
				MID	QPSK	14.40	14.40	14.55	15.00
HIGH				QPSK	14.02	14.09	14.16	15.00	
36			LOW	QPSK	14.37	14.25	14.20	15.00	
			MID	QPSK	14.02	14.16	14.28	15.00	
			HIGH	QPSK	14.11	14.04	13.93	15.00	
75			LOW	QPSK	14.20	14.08	13.80	15.00	
15			1	LOW	Q16	14.40	14.47	14.20	15.00
				MID	Q16	14.10	14.22	14.17	15.00
		HIGH		Q16	14.38	14.25	14.33	15.00	
		36	LOW	Q16	14.15	14.12	13.88	15.00	
			MID	Q16	14.19	14.13	13.79	15.00	
			HIGH	Q16	14.33	14.23	14.11	15.00	
		75	LOW	Q16	14.06	14.30	14.06	15.00	
		15	1	LOW	64QAM	13.83	14.34	14.28	15.00
				MID	64QAM	14.03	13.82	14.40	15.00
HIGH				64QAM	14.15	13.97	14.00	15.00	
36			LOW	64QAM	14.10	14.02	14.24	15.00	
	MID		64QAM	13.96	14.05	13.97	15.00		
	HIGH		64QAM	14.06	14.15	14.14	15.00		
75	LOW		64QAM	14.15	14.28	14.17	15.00		
20	20		1	LOW	QPSK	14.27	14.21	14.24	15.00
				MID	QPSK	14.41	14.33	14.44	15.00
		HIGH		QPSK	14.08	14.21	14.21	15.00	
		50	LOW	QPSK	14.35	14.08	14.06	15.00	
			MID	QPSK	13.91	13.96	14.15	15.00	
			HIGH	QPSK	14.27	14.20	14.17	15.00	
		100	LOW	QPSK	14.26	14.06	14.02	15.00	
		20	1	LOW	Q16	14.34	14.33	14.16	15.00
				MID	Q16	14.16	14.30	14.37	15.00
	HIGH			Q16	14.33	14.16	14.27	15.00	
	50		LOW	Q16	14.26	14.11	13.88	15.00	
			MID	Q16	14.13	14.04	13.80	15.00	
			HIGH	Q16	14.17	14.33	13.97	15.00	
	100		LOW	Q16	13.82	14.18	13.99	15.00	
	20		1	LOW	64QAM	13.97	14.13	14.16	15.00
				MID	64QAM	14.07	13.88	14.18	15.00
		HIGH		64QAM	14.14	13.91	14.11	15.00	
		50	LOW	64QAM	14.19	13.99	14.23	15.00	
MID			64QAM	14.11	14.22	13.91	15.00		
HIGH			64QAM	13.91	14.02	14.04	15.00		
100		LOW	64QAM	13.79	14.04	13.97	15.00		

LTE B66-DSI4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.01	23.23	23.25	24.50	
		MID	QPSK	23.29	23.27	23.32	24.50	
		HIGH	QPSK	22.93	23.05	23.05	24.50	
	3	LOW	QPSK	23.08	23.11	23.25	24.50	
		MID	QPSK	23.30	23.11	23.13	24.50	
		HIGH	QPSK	22.90	22.97	23.14	24.50	
	6	LOW	QPSK	21.93	22.06	22.08	23.50	
	1.4	1	LOW	Q16	21.96	22.24	22.12	23.50
			MID	Q16	22.14	22.07	21.99	23.50
HIGH			Q16	21.96	22.36	22.22	23.50	
3		LOW	Q16	22.11	22.13	22.11	23.50	
		MID	Q16	22.06	22.17	22.04	23.50	
		HIGH	Q16	22.05	22.32	22.05	23.50	
6		LOW	Q16	21.23	20.97	21.26	22.50	
1.4		1	LOW	64QAM	20.84	20.90	21.13	22.50
			MID	64QAM	21.01	21.10	21.02	22.50
	HIGH		64QAM	21.28	20.65	21.08	22.50	
	3	LOW	64QAM	20.92	21.02	21.30	22.50	
		MID	64QAM	21.07	20.95	20.90	22.50	
		HIGH	64QAM	21.14	20.71	21.01	22.50	
	6	LOW	64QAM	19.86	19.99	19.96	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.01	23.30	23.16	24.50
MID			QPSK	23.08	23.24	23.13	24.50	
HIGH			QPSK	23.07	22.91	23.22	24.50	
8		LOW	QPSK	21.97	22.11	22.13	23.50	
		MID	QPSK	22.06	22.12	22.18	23.50	
		HIGH	QPSK	22.21	21.84	22.06	23.50	
15		LOW	QPSK	21.98	21.95	22.14	23.50	
3		1	LOW	Q16	22.13	22.31	22.15	23.50
			MID	Q16	22.14	22.06	22.03	23.50
	HIGH		Q16	21.99	22.13	22.10	23.50	
	8	LOW	Q16	20.98	20.92	21.01	22.50	
		MID	Q16	21.20	20.79	20.86	22.50	
		HIGH	Q16	21.06	20.88	20.88	22.50	
	15	LOW	Q16	21.13	21.02	21.06	22.50	
	3	1	LOW	64QAM	20.81	21.15	21.30	22.50
			MID	64QAM	21.00	20.98	20.90	22.50
HIGH			64QAM	21.24	20.67	21.03	22.50	
8		LOW	64QAM	19.96	20.16	19.92	21.50	
		MID	64QAM	20.05	19.86	20.05	21.50	
		HIGH	64QAM	20.36	20.14	20.31	21.50	
15		LOW	64QAM	20.03	20.02	19.88	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.02	23.25	23.26	24.50
	MID		QPSK	23.25	23.31	23.28	24.50	
	HIGH		QPSK	22.87	23.05	23.19	24.50	
	12	LOW	QPSK	22.18	21.97	22.24	23.50	
		MID	QPSK	22.01	22.08	22.33	23.50	
		HIGH	QPSK	22.20	21.96	22.05	23.50	
	25	LOW	QPSK	22.20	22.17	22.14	23.50	
	5	1	LOW	Q16	22.01	22.01	22.18	23.50
			MID	Q16	22.25	22.27	22.00	23.50
HIGH			Q16	22.24	22.24	21.95	23.50	
12		LOW	Q16	21.07	21.14	20.91	22.50	
		MID	Q16	21.27	20.91	20.87	22.50	
		HIGH	Q16	21.08	21.08	20.94	22.50	
25		LOW	Q16	21.01	21.18	21.17	22.50	
5		1	LOW	64QAM	20.87	20.88	21.17	22.50
			MID	64QAM	21.10	20.85	20.85	22.50
	HIGH		64QAM	21.15	20.67	21.12	22.50	
	12	LOW	64QAM	20.14	20.00	19.90	21.50	
		MID	64QAM	20.30	19.90	20.21	21.50	
		HIGH	64QAM	20.16	20.20	20.16	21.50	
	25	LOW	64QAM	19.80/19.73	19.93	20.03	21.50	

LTE B66-DSI4 -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	22.99	23.11	23.16	24.50		
		MID	QPSK	23.18	23.21	23.27	24.50		
		HIGH	QPSK	23.02	23.01	23.21	24.50		
	25	LOW	QPSK	21.96	22.02	22.11	23.50		
		MID	QPSK	22.12	22.14	22.37	23.50		
		HIGH	QPSK	22.02	21.84	22.18	23.50		
	50	LOW	QPSK	22.01	22.07	22.19	23.50		
	10	1	LOW	Q16	21.92	22.29	22.05	23.50	
			MID	Q16	22.05	22.25	21.91	23.50	
HIGH			Q16	22.25	22.20	22.21	23.50		
25		LOW	Q16	21.00	20.90	20.94	22.50		
		MID	Q16	21.00	21.09	20.96	22.50		
		HIGH	Q16	21.07	20.94	20.89	22.50		
50		LOW	Q16	20.97	21.01	21.01	22.50		
10		1	LOW	64QAM	20.79	20.93	21.09	22.50	
			MID	64QAM	20.99	20.84	20.98	22.50	
	HIGH		64QAM	21.23	20.87	21.07	22.50		
	25	LOW	64QAM	20.17	20.21	19.89	21.50		
		MID	64QAM	20.19	19.97	20.05	21.50		
		HIGH	64QAM	20.30	20.17	20.10	21.50		
	50	LOW	64QAM	19.91	19.90	19.80	21.50		
	15	15	1	LOW	QPSK	23.06	23.04	23.21	24.50
				MID	QPSK	23.16	23.08	23.23	24.50
HIGH				QPSK	23.01	23.14	23.11	24.50	
36			LOW	QPSK	22.24	21.94	22.24	23.50	
			MID	QPSK	21.93	22.02	22.38	23.50	
			HIGH	QPSK	21.96	22.10	21.99	23.50	
75		LOW	QPSK	22.06	22.04	22.12	23.50		
15		1	LOW	Q16	22.18	22.13	22.08	23.50	
			MID	Q16	22.18	22.18	21.89	23.50	
			HIGH	Q16	22.04	22.25	22.12	23.50	
		36	LOW	Q16	20.92	21.13	20.97	22.50	
			MID	Q16	21.05	20.86	21.03	22.50	
			HIGH	Q16	21.10	20.87	20.96	22.50	
75		LOW	Q16	20.98	21.17	21.18	22.50		
15		1	LOW	64QAM	20.97	20.95	21.06	22.50	
			MID	64QAM	21.22	20.87	20.92	22.50	
			HIGH	64QAM	21.23	20.94	21.08	22.50	
		36	LOW	64QAM	20.09	20.11	20.11	21.50	
	MID		64QAM	20.21	19.87	19.99	21.50		
	HIGH		64QAM	20.36	20.08	20.24	21.50		
75	LOW	64QAM	20.07	19.89	20.05	21.50			
20	20	1	LOW	QPSK	23.08	23.15	23.17	24.50	
			MID	QPSK	23.23	23.23	23.28	24.50	
			HIGH	QPSK	22.99	23.04	23.07	24.50	
		50	LOW	QPSK	22.11	22.08	22.21	23.50	
			MID	QPSK	22.06	22.17	22.27	23.50	
			HIGH	QPSK	22.10	21.96	22.13	23.50	
		100	LOW	QPSK	22.07	22.06	22.04	23.50	
		20	1	LOW	Q16	22.04	22.16	22.11	23.50
				MID	Q16	22.20	22.15	21.98	23.50
	HIGH			Q16	22.11	22.25	22.08	23.50	
	50		LOW	Q16	21.04	21.05	20.94	22.50	
			MID	Q16	21.15	20.94	20.99	22.50	
			HIGH	Q16	21.10	20.97	21.02	22.50	
	100		LOW	Q16	21.10	21.07	21.13	22.50	
	20		1	LOW	64QAM	20.82	21.00	21.16	22.50
				MID	64QAM	21.09	20.96	20.92	22.50
		HIGH		64QAM	21.16	20.80	21.00	22.50	
		50	LOW	64QAM	20.09	20.07	20.02	21.50	
			MID	64QAM	20.20	19.98	20.06	21.50	
			HIGH	64QAM	20.22	20.11	20.24	21.50	
		100	LOW	64QAM	19.81	19.80	19.88	21.50	

LTE B66-DSI5 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	18.31	18.37	18.20	19.00	
		MID	QPSK	18.61	18.31	18.57	19.00	
		HIGH	QPSK	18.08	18.11	18.35	19.00	
	3	LOW	QPSK	18.43	18.15	18.19	19.00	
		MID	QPSK	18.45	18.50	18.48	19.00	
		HIGH	QPSK	18.23	18.07	18.40	19.00	
	6	LOW	QPSK	17.91	18.01	18.29	19.00	
	1.4	1	LOW	Q16	18.51	18.34	18.16	19.00
			MID	Q16	18.31	18.52	18.67	19.00
HIGH			Q16	18.53	18.42	18.30	19.00	
3		LOW	Q16	18.50	18.25	18.26	19.00	
		MID	Q16	18.37	18.44	18.51	19.00	
		HIGH	Q16	18.31	18.39	18.47	19.00	
6		LOW	Q16	18.16	18.29	18.23	19.00	
1.4		1	LOW	64QAM	18.12	18.00	18.17	19.00
			MID	64QAM	18.26	17.85	18.21	19.00
	HIGH		64QAM	17.75	18.02	18.32	19.00	
	3	LOW	64QAM	18.29	17.96	18.22	19.00	
		MID	64QAM	18.03	17.99	18.18	19.00	
		HIGH	64QAM	17.82	18.18	18.13	19.00	
	6	LOW	64QAM	18.27	18.45	18.10	19.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	18.42	18.36	18.12	19.00
MID			QPSK	18.53	18.33	18.51	19.00	
HIGH			QPSK	18.11	18.36	18.41	19.00	
8		LOW	QPSK	17.94	18.23	18.06	19.00	
		MID	QPSK	18.21	18.13	18.26	19.00	
		HIGH	QPSK	18.22	18.25	18.31	19.00	
15		LOW	QPSK	17.96	18.12	18.13	19.00	
3		1	LOW	Q16	18.61	18.38	18.16	19.00
			MID	Q16	18.36	18.58	18.41	19.00
	HIGH		Q16	18.52	18.17	18.27	19.00	
	8	LOW	Q16	18.25	18.01	17.98	19.00	
		MID	Q16	18.12	18.00	18.25	19.00	
		HIGH	Q16	18.24	17.96	18.20	19.00	
	15	LOW	Q16	17.90	18.30	18.33	19.00	
	3	1	LOW	64QAM	18.19	18.13	18.21	19.00
			MID	64QAM	18.19	17.86	18.13	19.00
HIGH			64QAM	17.91	18.18	18.30	19.00	
8		LOW	64QAM	18.21	18.08	18.23	19.00	
		MID	64QAM	18.18	18.10	18.35	19.00	
		HIGH	64QAM	18.44	18.17	18.15	19.00	
15		LOW	64QAM	18.40	18.30	18.06	19.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	18.41	18.20	18.14	19.00
	MID		QPSK	18.65	18.22	18.58	19.00	
	HIGH		QPSK	18.20	18.22	18.20	19.00	
	12	LOW	QPSK	18.22	18.10	18.08	19.00	
		MID	QPSK	18.26	18.06	18.35	19.00	
		HIGH	QPSK	18.29	18.17	18.25	19.00	
	25	LOW	QPSK	17.99	18.14	18.27	19.00	
	5	1	LOW	Q16	18.64	18.29	18.15	19.00
			MID	Q16	18.28	18.41	18.46	19.00
HIGH			Q16	18.29	18.27	18.26	19.00	
12		LOW	Q16	18.35	18.03	18.06	19.00	
		MID	Q16	18.16	18.23	18.13	19.00	
		HIGH	Q16	18.10	17.91	18.12	19.00	
25		LOW	Q16	18.12	18.27	18.43	19.00	
5		1	LOW	64QAM	18.18	18.12	18.34	19.00
			MID	64QAM	18.15	17.99	18.26	19.00
	HIGH		64QAM	17.97	17.99	18.28	19.00	
	12	LOW	64QAM	18.12	18.33	18.34	19.00	
		MID	64QAM	18.36	18.32	18.20	19.00	
		HIGH	64QAM	18.53	18.10	18.09	19.00	
	25	LOW	64QAM	18.27	18.22	17.96	19.00	

LTE B66-DSI5 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	18.34	18.17	18.09	19.00	
		MID	QPSK	18.49	18.49	18.39	19.00	
		HIGH	QPSK	18.25	18.17	18.26	19.00	
	25	LOW	QPSK	18.02	18.13	18.16	19.00	
		MID	QPSK	18.27	18.10	18.37	19.00	
		HIGH	QPSK	18.41	18.26	18.41	19.00	
	50	LOW	QPSK	18.14	18.26	18.14	19.00	
	10	1	LOW	Q16	18.65	18.35	18.09	19.00
			MID	Q16	18.33	18.45	18.55	19.00
HIGH			Q16	18.30	18.26	18.39	19.00	
25		LOW	Q16	18.31	18.07	18.14	19.00	
		MID	Q16	18.00	18.28	18.25	19.00	
		HIGH	Q16	18.28	17.91	18.21	19.00	
50		LOW	Q16	18.08	18.37	18.41	19.00	
10		1	LOW	64QAM	18.14	18.00	18.17	19.00
			MID	64QAM	18.24	17.92	18.28	19.00
	HIGH		64QAM	17.95	18.24	18.28	19.00	
	25	LOW	64QAM	18.27	18.26	18.40	19.00	
		MID	64QAM	18.24	18.14	18.23	19.00	
		HIGH	64QAM	18.40	18.12	17.98	19.00	
	50	LOW	64QAM	18.48	18.48	18.08	19.00	
	15	1	LOW	QPSK	18.27	18.38	18.00	19.00
			MID	QPSK	18.36	18.27	18.39	19.00
HIGH			QPSK	18.30	18.16	18.16	19.00	
36		LOW	QPSK	17.96	18.12	18.05	19.00	
		MID	QPSK	18.07	18.17	18.31	19.00	
		HIGH	QPSK	18.21	18.42	18.37	19.00	
75		LOW	QPSK	18.15	18.03	18.30	19.00	
15		1	LOW	Q16	18.47	18.48	18.05	19.00
			MID	Q16	18.30	18.40	18.67	19.00
	HIGH		Q16	18.40	18.25	18.18	19.00	
	36	LOW	Q16	18.43	17.97	18.09	19.00	
		MID	Q16	18.05	18.10	18.11	19.00	
		HIGH	Q16	18.27	18.04	18.11	19.00	
	75	LOW	Q16	18.13	18.35	18.33	19.00	
	15	1	LOW	64QAM	18.12	17.98	18.28	19.00
			MID	64QAM	18.19	18.09	18.24	19.00
HIGH			64QAM	17.85	18.23	18.16	19.00	
36		LOW	64QAM	18.13	18.31	18.43	19.00	
		MID	64QAM	18.27	18.25	18.23	19.00	
		HIGH	64QAM	18.27	18.26	18.15	19.00	
75		LOW	64QAM	18.26	18.45	18.09	19.00	
20		1	LOW	QPSK	18.34	18.26	18.14	19.00
			MID	QPSK	18.51	18.36	18.49	19.00
	HIGH		QPSK	18.22	18.22	18.27	19.00	
	50	LOW	QPSK	18.07	18.16	18.19	19.00	
		MID	QPSK	18.18	18.02	18.32	19.00	
		HIGH	QPSK	18.32	18.29	18.31	19.00	
	100	LOW	QPSK	18.05	18.16	18.18	19.00	
	20	1	LOW	Q16	18.57	18.37	18.19	19.00
			MID	Q16	18.30	18.49	18.56	19.00
HIGH			Q16	18.40	18.28	18.32	19.00	
50		LOW	Q16	18.30	18.12	18.13	19.00	
		MID	Q16	18.09	18.14	18.25	19.00	
		HIGH	Q16	18.20	17.97	18.13	19.00	
100		LOW	Q16	18.04	18.25	18.31	19.00	
20		1	LOW	64QAM	18.27	18.08	18.28	19.00
			MID	64QAM	18.15	18.00	18.24	19.00
	HIGH		64QAM	17.88	18.11	18.23	19.00	
	50	LOW	64QAM	18.18	18.20	18.32	19.00	
		MID	64QAM	18.25	18.23	18.22	19.00	
		HIGH	64QAM	18.40	18.14	18.02	19.00	
	100	LOW	64QAM	18.39	18.34	18.04	19.00	

LTE B66-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	17.95	17.92	17.84	18.50	
		MID	QPSK	18.03	17.83	17.67	18.50	
		HIGH	QPSK	17.82	17.84	17.96	18.50	
	3	LOW	QPSK	17.88	17.83	17.78	18.50	
		MID	QPSK	17.87	17.73	17.69	18.50	
		HIGH	QPSK	17.67	17.74	17.90	18.50	
	6	LOW	QPSK	17.75	17.69	17.55	18.50	
	1.4	1	LOW	Q16	17.53	17.64	17.59	18.50
			MID	Q16	17.78	17.71	17.83	18.50
HIGH			Q16	17.46	17.66	17.35	18.50	
3		LOW	Q16	17.56	17.48	17.58	18.50	
		MID	Q16	17.54	17.60	17.78	18.50	
		HIGH	Q16	17.51	17.68	17.58	18.50	
6		LOW	Q16	17.78	17.52	17.69	18.50	
1.4		1	LOW	64QAM	17.82	17.55	17.80	18.50
			MID	64QAM	17.66	17.61	17.62	18.50
	HIGH		64QAM	17.53	17.85	17.67	18.50	
	3	LOW	64QAM	17.63	17.74	17.77	18.50	
		MID	64QAM	17.74	17.55	17.67	18.50	
		HIGH	64QAM	17.71	17.83	17.63	18.50	
	6	LOW	64QAM	17.46	17.72	17.78	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	18.01	17.85	17.79	18.50
MID			QPSK	17.85	17.89	17.87	18.50	
HIGH			QPSK	17.65	17.66	17.91	18.50	
8		LOW	QPSK	17.79	17.87	17.54	18.50	
		MID	QPSK	17.69	17.96	17.63	18.50	
		HIGH	QPSK	17.94	17.72	17.63	18.50	
15		LOW	QPSK	17.62	17.75	17.41	18.50	
3		1	LOW	Q16	17.35	17.58	17.68	18.50
			MID	Q16	17.81	17.70	17.66	18.50
	HIGH		Q16	17.43	17.79	17.47	18.50	
	8	LOW	Q16	17.67	17.71	17.77	18.50	
		MID	Q16	17.79	17.83	17.75	18.50	
		HIGH	Q16	17.76	17.77	17.54	18.50	
	15	LOW	Q16	17.78	17.50	17.66	18.50	
	3	1	LOW	64QAM	17.87	17.54	17.92	18.50
			MID	64QAM	17.55	17.54	17.64	18.50
HIGH			64QAM	17.55	17.62	17.73	18.50	
8		LOW	64QAM	17.52	17.57	17.66	18.50	
		MID	64QAM	17.85	17.72	17.82	18.50	
		HIGH	64QAM	17.52	17.72	17.50	18.50	
15		LOW	64QAM	17.56	17.86	17.68	18.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	17.86	17.78	17.94	18.50
	MID		QPSK	17.86	17.98	17.68	18.50	
	HIGH		QPSK	17.67	17.69	17.89	18.50	
	12	LOW	QPSK	17.74	17.90	17.65	18.50	
		MID	QPSK	17.51	17.95	17.66	18.50	
		HIGH	QPSK	17.94	17.79	17.63	18.50	
	25	LOW	QPSK	17.72	17.72	17.57	18.50	
	5	1	LOW	Q16	17.34	17.59	17.49	18.50
			MID	Q16	17.68	17.63	17.72	18.50
HIGH			Q16	17.49	17.62	17.59	18.50	
12		LOW	Q16	17.90	17.76	17.76	18.50	
		MID	Q16	17.76	17.82	17.69	18.50	
		HIGH	Q16	17.88	17.93	17.81	18.50	
25		LOW	Q16	17.68	17.61	17.74	18.50	
5		1	LOW	64QAM	17.69	17.59	17.70	18.50
			MID	64QAM	17.83	17.58	17.74	18.50
	HIGH		64QAM	17.72	17.80	17.59	18.50	
	12	LOW	64QAM	17.51	17.59	17.87	18.50	
		MID	64QAM	17.91	17.61	17.78	18.50	
		HIGH	64QAM	17.53	17.60	17.51	18.50	
	25	LOW	64QAM	17.46	17.34	17.66	18.50	



LTE B66-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	17.84	18.01	17.84	18.50	
		MID	QPSK	17.81	17.91	17.80	18.50	
		HIGH	QPSK	17.65	17.58	17.86	18.50	
	25	LOW	QPSK	17.69	17.63	17.54	18.50	
		MID	QPSK	17.75	17.97	17.53	18.50	
		HIGH	QPSK	18.01	17.99	17.61	18.50	
	50	LOW	QPSK	17.60	17.75	17.49	18.50	
	10	1	LOW	Q16	17.34	17.50	17.70	18.50
			MID	Q16	17.72	17.72	17.68	18.50
HIGH			Q16	17.31	17.80	17.53	18.50	
25		LOW	Q16	17.65	17.83	17.83	18.50	
		MID	Q16	17.76	17.56	17.75	18.50	
		HIGH	Q16	17.91	17.73	17.54	18.50	
50		LOW	Q16	17.80	17.56	17.60	18.50	
10		1	LOW	64QAM	17.86	17.60	17.90	18.50
			MID	64QAM	17.75	17.69	17.61	18.50
	HIGH		64QAM	17.71	17.64	17.69	18.50	
	25	LOW	64QAM	17.63	17.80	17.70	18.50	
		MID	64QAM	17.69	17.70	17.89	18.50	
		HIGH	64QAM	17.78	17.60	17.60	18.50	
	50	LOW	64QAM	17.47	17.92	17.68	18.50	
	15	1	LOW	QPSK	17.99	17.82	17.67	18.50
			MID	QPSK	18.03	17.93	17.65	18.50
HIGH			QPSK	17.63	17.59	17.97	18.50	
36			LOW	QPSK	17.79	17.64	17.76	18.50
			MID	QPSK	17.58	17.93	17.57	18.50
			HIGH	QPSK	18.03	17.78	17.71	18.50
75		LOW	QPSK	17.55	17.54	17.64	18.50	
1		LOW	Q16	17.51	17.63	17.71	18.50	
		MID	Q16	17.72	17.85	17.64	18.50	
		HIGH	Q16	17.56	17.84	17.51	18.50	
		36	LOW	Q16	17.73	17.57	17.81	18.50
			MID	Q16	17.75	17.74	17.77	18.50
			HIGH	Q16	17.87	17.76	17.56	18.50
75		LOW	Q16	17.70	17.52	17.69	18.50	
1		LOW	64QAM	17.67	17.63	17.76	18.50	
	MID	64QAM	17.60	17.54	17.78	18.50		
	HIGH	64QAM	17.65	17.63	17.58	18.50		
	36	LOW	64QAM	17.42	17.75	17.66	18.50	
		MID	64QAM	17.89	17.63	17.71	18.50	
		HIGH	64QAM	17.74	17.76	17.44	18.50	
75	LOW	64QAM	17.60	17.86	17.72	18.50		
20	1	LOW	QPSK	17.92	17.89	17.80	18.50	
		MID	QPSK	17.88	17.85	17.74	18.50	
		HIGH	QPSK	17.67	17.71	17.85	18.50	
		50	LOW	QPSK	17.78	17.76	17.65	18.50
			MID	QPSK	17.60	17.86	17.59	18.50
			HIGH	QPSK	17.90	17.87	17.56	18.50
	100	LOW	QPSK	17.70	17.68	17.51	18.50	
	1	LOW	Q16	17.46	17.58	17.58	18.50	
		MID	Q16	17.66	17.74	17.70	18.50	
		HIGH	Q16	17.44	17.72	17.47	18.50	
		50	LOW	Q16	17.80	17.68	17.83	18.50
			MID	Q16	17.72	17.70	17.69	18.50
			HIGH	Q16	17.84	17.87	17.68	18.50
	100	LOW	Q16	17.70	17.60	17.67	18.50	
	1	LOW	64QAM	17.78	17.69	17.83	18.50	
MID		64QAM	17.68	17.62	17.65	18.50		
HIGH		64QAM	17.66	17.70	17.59	18.50		
50		LOW	64QAM	17.57	17.70	17.81	18.50	
		MID	64QAM	17.80	17.60	17.86	18.50	
		HIGH	64QAM	17.63	17.66	17.55	18.50	
100	LOW	64QAM	17.34	17.79	17.64	18.50		

## 8.3.11 LTE Band66 Output Power

LTE B66-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.20	22.98	22.85	24.50	
		MID	QPSK	23.16	23.04	22.91	24.50	
		HIGH	QPSK	23.18	23.03	22.68	24.50	
	3	LOW	QPSK	23.43	23.04	22.98	24.50	
		MID	QPSK	23.19	22.97	22.92	24.50	
		HIGH	QPSK	23.13	23.27	22.71	24.50	
	6	LOW	QPSK	22.19	22.07	21.89	23.50	
	1.4	1	LOW	Q16	22.67	22.25	22.13	23.50
			MID	Q16	22.45	22.39	22.11	23.50
HIGH			Q16	22.60	22.28	22.13	23.50	
3		LOW	Q16	22.56	22.11	22.13	23.50	
		MID	Q16	22.52	22.26	22.22	23.50	
		HIGH	Q16	22.36	22.46	21.93	23.50	
6		LOW	Q16	21.10	21.03	21.09	22.50	
1.4		1	LOW	64QAM	21.76	21.26	21.13	22.50
			MID	64QAM	21.41	21.36	21.26	22.50
	HIGH		64QAM	21.62	21.20	21.09	22.50	
	3	LOW	64QAM	21.62	21.12	21.00	22.50	
		MID	64QAM	21.41	21.26	21.36	22.50	
		HIGH	64QAM	21.46	21.61	20.89	22.50	
	6	LOW	64QAM	20.18	19.96	20.01	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.41	23.16	22.92	24.50
MID			QPSK	23.28	22.91	22.88	24.50	
HIGH			QPSK	23.26	23.07	22.96	24.50	
8		LOW	QPSK	22.24	22.12	21.83	23.50	
		MID	QPSK	22.12	21.98	22.08	23.50	
		HIGH	QPSK	22.13	21.94	22.07	23.50	
15		LOW	QPSK	22.10	22.15	21.87	23.50	
3		1	LOW	Q16	22.60	22.31	22.10	23.50
			MID	Q16	22.67	22.37	22.11	23.50
	HIGH		Q16	22.36	22.43	22.21	23.50	
	8	LOW	Q16	21.12	20.98	21.04	22.50	
		MID	Q16	21.10	21.08	20.91	22.50	
		HIGH	Q16	21.08	21.22	20.94	22.50	
	15	LOW	Q16	21.25	20.99	21.00	22.50	
	3	1	LOW	64QAM	21.55	21.40	21.09	22.50
			MID	64QAM	21.57	21.17	21.23	22.50
HIGH			64QAM	21.42	21.39	21.16	22.50	
8		LOW	64QAM	20.25	20.00	19.95	21.50	
		MID	64QAM	20.27	20.09	20.28	21.50	
		HIGH	64QAM	20.17	20.22	20.09	21.50	
15		LOW	64QAM	20.33	20.01	20.03	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.29	23.13	23.01	24.50
	MID		QPSK	23.06	23.09	22.80	24.50	
	HIGH		QPSK	23.25	23.19	22.88	24.50	
	12	LOW	QPSK	22.36	22.00	21.84	23.50	
		MID	QPSK	22.21	22.01	21.95	23.50	
		HIGH	QPSK	22.13	21.93	22.09	23.50	
	25	LOW	QPSK	22.11	22.08	21.97	23.50	
	5	1	LOW	Q16	22.46	22.20	22.12	23.50
			MID	Q16	22.54	22.24	22.21	23.50
HIGH			Q16	22.55	22.49	22.07	23.50	
12		LOW	Q16	21.29	21.07	20.84	22.50	
		MID	Q16	21.23	21.09	20.98	22.50	
		HIGH	Q16	21.11	21.07	21.01	22.50	
25		LOW	Q16	21.03	21.14	21.05	22.50	
5		1	LOW	64QAM	21.54	21.30	21.27	22.50
			MID	64QAM	21.60	21.35	21.31	22.50
	HIGH		64QAM	21.34	21.32	21.10	22.50	
	12	LOW	64QAM	20.40	19.94	19.83	21.50	
		MID	64QAM	20.32	20.03	20.17	21.50	
		HIGH	64QAM	20.05	19.98	19.96	21.50	
	25	LOW	64QAM	20.41	20.12	20.04	21.50	

LTE B66-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	23.29	22.92	23.05	24.50	
		MID	QPSK	23.14	22.87	23.02	24.50	
		HIGH	QPSK	23.40	23.14	22.82	24.50	
	25	LOW	QPSK	22.31	21.99	22.06	23.50	
		MID	QPSK	22.17	21.97	22.01	23.50	
		HIGH	QPSK	22.10	21.94	21.87	23.50	
	50	LOW	QPSK	22.24	22.00	22.00	23.50	
	10	1	LOW	Q16	22.46	22.47	22.29	23.50
			MID	Q16	22.43	22.21	22.27	23.50
HIGH			Q16	22.53	22.47	22.08	23.50	
25		LOW	Q16	21.33	21.16	20.94	22.50	
		MID	Q16	21.00	21.04	21.10	22.50	
		HIGH	Q16	21.16	21.11	21.00	22.50	
50		LOW	Q16	21.21	21.20	21.00	22.50	
10		1	LOW	64QAM	21.31	21.59	21.11	22.50
			MID	64QAM	21.71	21.35	21.19	22.50
	HIGH		64QAM	21.55	21.43	21.09	22.50	
	25	LOW	64QAM	20.29	19.84	19.83	21.50	
		MID	64QAM	20.15	20.06	20.21	21.50	
		HIGH	64QAM	20.10	20.18	19.97	21.50	
	50	LOW	64QAM	20.36	19.95	20.10	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	23.38	23.08	22.93	24.50
MID			QPSK	23.33	22.92	23.10	24.50	
HIGH			QPSK	23.15	23.00	22.84	24.50	
36		LOW	QPSK	22.20	22.10	22.04	23.50	
		MID	QPSK	22.20	22.02	22.06	23.50	
		HIGH	QPSK	22.22	22.08	22.09	23.50	
75		LOW	QPSK	22.05	22.11	22.09	23.50	
15		1	LOW	Q16	22.58	22.32	22.28	23.50
			MID	Q16	22.57	22.49	22.16	23.50
	HIGH		Q16	22.56	22.27	22.12	23.50	
	36	LOW	Q16	21.10	21.10	20.85	22.50	
		MID	Q16	21.00	20.89	21.13	22.50	
		HIGH	Q16	21.20	21.12	21.13	22.50	
	75	LOW	Q16	21.06	20.95	20.84	22.50	
	15	1	LOW	64QAM	21.61	21.32	21.11	22.50
			MID	64QAM	21.54	21.28	21.40	22.50
HIGH			64QAM	21.42	21.19	21.13	22.50	
36		LOW	64QAM	20.22	20.00	19.81	21.50	
		MID	64QAM	20.12	19.99	20.08	21.50	
		HIGH	64QAM	20.15	19.99	20.13	21.50	
75		LOW	64QAM	20.36	20.20	20.17	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	23.05	23.29	22.92	24.50
	MID		QPSK	22.99	23.20	22.95	24.50	
	HIGH		QPSK	23.13	23.26	22.81	24.50	
	50	LOW	QPSK	22.05	22.25	21.92	23.50	
		MID	QPSK	22.07	22.24	22.00	23.50	
		HIGH	QPSK	22.05	22.20	21.96	23.50	
	100	LOW	QPSK	22.08	22.15	22.00	23.50	
	20	1	LOW	Q16	22.57	22.32	22.18	23.50
			MID	Q16	22.53	22.35	22.20	23.50
HIGH			Q16	22.51	22.35	22.06	23.50	
50		LOW	Q16	21.22	21.04	20.90	22.50	
		MID	Q16	21.13	21.04	21.00	22.50	
		HIGH	Q16	21.19	21.12	20.98	22.50	
100		LOW	Q16	21.13	21.05	20.99	22.50	
20		1	LOW	64QAM	21.46	21.45	21.19	22.50
			MID	64QAM	21.62	21.25	21.30	22.50
	HIGH		64QAM	21.43	21.31	21.09	22.50	
	50	LOW	64QAM	20.26	19.94	19.92	21.50	
		MID	64QAM	20.18	20.04	20.13	21.50	
		HIGH	64QAM	20.05	20.07	20.08	21.50	
	100	LOW	64QAM	20.28	20.10	20.07	21.50	

LTE B66-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	23.20	22.98	22.85	24.50	
		MID	QPSK	23.16	23.04	22.91	24.50	
		HIGH	QPSK	23.18	23.03	22.68	24.50	
	3	LOW	QPSK	23.43	23.04	22.98	24.50	
		MID	QPSK	23.19	22.97	22.92	24.50	
		HIGH	QPSK	23.13	23.27	22.71	24.50	
	6	LOW	QPSK	22.19	22.07	21.89	23.50	
	1.4	1	LOW	Q16	22.67	22.25	22.13	23.50
			MID	Q16	22.45	22.39	22.11	23.50
HIGH			Q16	22.60	22.28	22.13	23.50	
3		LOW	Q16	22.56	22.11	22.13	23.50	
		MID	Q16	22.52	22.26	22.22	23.50	
		HIGH	Q16	22.36	22.46	21.93	23.50	
6		LOW	Q16	21.10	21.03	21.09	22.50	
1.4		1	LOW	64QAM	21.76	21.26	21.13	22.50
			MID	64QAM	21.41	21.36	21.26	22.50
	HIGH		64QAM	21.62	21.20	21.09	22.50	
	3	LOW	64QAM	21.62	21.12	21.00	22.50	
		MID	64QAM	21.41	21.26	21.36	22.50	
		HIGH	64QAM	21.46	21.61	20.89	22.50	
	6	LOW	64QAM	20.18	19.96	20.01	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	23.41	23.16	22.92	24.50
MID			QPSK	23.28	22.91	22.88	24.50	
HIGH			QPSK	23.26	23.07	22.96	24.50	
8		LOW	QPSK	22.24	22.12	21.83	23.50	
		MID	QPSK	22.12	21.98	22.08	23.50	
		HIGH	QPSK	22.13	21.94	22.07	23.50	
15		LOW	QPSK	22.10	22.15	21.87	23.50	
3		1	LOW	Q16	22.60	22.31	22.10	23.50
			MID	Q16	22.67	22.37	22.11	23.50
	HIGH		Q16	22.36	22.43	22.21	23.50	
	8	LOW	Q16	21.12	20.98	21.04	22.50	
		MID	Q16	21.10	21.08	20.91	22.50	
		HIGH	Q16	21.08	21.22	20.94	22.50	
	15	LOW	Q16	21.25	20.99	21.00	22.50	
	3	1	LOW	64QAM	21.55	21.40	21.09	22.50
			MID	64QAM	21.57	21.17	21.23	22.50
HIGH			64QAM	21.42	21.39	21.16	22.50	
8		LOW	64QAM	20.25	20.00	19.95	21.50	
		MID	64QAM	20.27	20.09	20.28	21.50	
		HIGH	64QAM	20.17	20.22	20.09	21.50	
15		LOW	64QAM	20.33	20.01	20.03	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	23.29	23.13	23.01	24.50
	MID		QPSK	23.06	23.09	22.80	24.50	
	HIGH		QPSK	23.25	23.19	22.88	24.50	
	12	LOW	QPSK	22.36	22.00	21.84	23.50	
		MID	QPSK	22.21	22.01	21.95	23.50	
		HIGH	QPSK	22.13	21.93	22.09	23.50	
	25	LOW	QPSK	22.11	22.08	21.97	23.50	
	5	1	LOW	Q16	22.46	22.20	22.12	23.50
			MID	Q16	22.54	22.24	22.21	23.50
HIGH			Q16	22.55	22.49	22.07	23.50	
12		LOW	Q16	21.29	21.07	20.84	22.50	
		MID	Q16	21.23	21.09	20.98	22.50	
		HIGH	Q16	21.11	21.07	21.01	22.50	
25		LOW	Q16	21.03	21.14	21.05	22.50	
5		1	LOW	64QAM	21.54	21.30	21.27	22.50
			MID	64QAM	21.60	21.35	21.31	22.50
	HIGH		64QAM	21.34	21.32	21.10	22.50	
	12	LOW	64QAM	20.40	19.94	19.83	21.50	
		MID	64QAM	20.32	20.03	20.17	21.50	
		HIGH	64QAM	20.05	19.98	19.96	21.50	
	25	LOW	64QAM	20.41	20.12	20.04	21.50	

LTE B66-DSI2&3 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	23.29	22.92	23.05	24.50	
		MID	QPSK	23.14	22.87	23.02	24.50	
		HIGH	QPSK	23.40	23.14	22.82	24.50	
	25	LOW	QPSK	22.31	21.99	22.06	23.50	
		MID	QPSK	22.17	21.97	22.01	23.50	
		HIGH	QPSK	22.10	21.94	21.87	23.50	
	50	LOW	QPSK	22.24	22.00	22.00	23.50	
	10	1	LOW	Q16	22.46	22.47	22.29	23.50
			MID	Q16	22.43	22.21	22.27	23.50
HIGH			Q16	22.53	22.47	22.08	23.50	
25		LOW	Q16	21.33	21.16	20.94	22.50	
		MID	Q16	21.00	21.04	21.10	22.50	
		HIGH	Q16	21.16	21.11	21.00	22.50	
50		LOW	Q16	21.21	21.20	21.00	22.50	
10		1	LOW	64QAM	21.31	21.59	21.11	22.50
			MID	64QAM	21.71	21.35	21.19	22.50
	HIGH		64QAM	21.55	21.43	21.09	22.50	
	25	LOW	64QAM	20.29	19.84	19.83	21.50	
		MID	64QAM	20.15	20.06	20.21	21.50	
		HIGH	64QAM	20.10	20.18	19.97	21.50	
	50	LOW	64QAM	20.36	19.95	20.10	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	23.38	23.08	22.93	24.50
MID			QPSK	23.33	22.92	23.10	24.50	
HIGH			QPSK	23.15	23.00	22.84	24.50	
36		LOW	QPSK	22.20	22.10	22.04	23.50	
		MID	QPSK	22.20	22.02	22.06	23.50	
		HIGH	QPSK	22.22	22.08	22.09	23.50	
75		LOW	QPSK	22.05	22.11	22.09	23.50	
15		1	LOW	Q16	22.58	22.32	22.28	23.50
			MID	Q16	22.57	22.49	22.16	23.50
	HIGH		Q16	22.56	22.27	22.12	23.50	
	36	LOW	Q16	21.10	21.10	20.85	22.50	
		MID	Q16	21.00	20.89	21.13	22.50	
		HIGH	Q16	21.20	21.12	21.13	22.50	
	75	LOW	Q16	21.06	20.95	20.84	22.50	
	15	1	LOW	64QAM	21.61	21.32	21.11	22.50
			MID	64QAM	21.54	21.28	21.40	22.50
HIGH			64QAM	21.42	21.19	21.13	22.50	
36		LOW	64QAM	20.22	20.00	19.81	21.50	
		MID	64QAM	20.12	19.99	20.08	21.50	
		HIGH	64QAM	20.15	19.99	20.13	21.50	
75		LOW	64QAM	20.36	20.20	20.17	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	23.05	23.29	22.92	24.50
	MID		QPSK	22.99	23.20	22.95	24.50	
	HIGH		QPSK	23.13	23.26	22.81	24.50	
	50	LOW	QPSK	22.05	22.25	21.92	23.50	
		MID	QPSK	22.07	22.24	22.00	23.50	
		HIGH	QPSK	22.05	22.20	21.96	23.50	
	100	LOW	QPSK	22.08	22.15	22.00	23.50	
	20	1	LOW	Q16	22.57	22.32	22.18	23.50
			MID	Q16	22.53	22.35	22.20	23.50
HIGH			Q16	22.51	22.35	22.06	23.50	
50		LOW	Q16	21.22	21.04	20.90	22.50	
		MID	Q16	21.13	21.04	21.00	22.50	
		HIGH	Q16	21.19	21.12	20.98	22.50	
100		LOW	Q16	21.13	21.05	20.99	22.50	
20		1	LOW	64QAM	21.46	21.45	21.19	22.50
			MID	64QAM	21.62	21.25	21.30	22.50
	HIGH		64QAM	21.43	21.31	21.09	22.50	
	50	LOW	64QAM	20.26	19.94	19.92	21.50	
		MID	64QAM	20.18	20.04	20.13	21.50	
		HIGH	64QAM	20.05	20.07	20.08	21.50	
	100	LOW	64QAM	20.28	20.10	20.07	21.50	

LTE B66-DSI4&5 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.05	19.97	19.79	21.50	
		MID	QPSK	20.22	19.92	20.11	21.50	
		HIGH	QPSK	20.11	19.97	19.84	21.50	
	3	LOW	QPSK	20.02	20.09	19.83	21.50	
		MID	QPSK	20.27	20.05	19.97	21.50	
		HIGH	QPSK	20.07	20.02	19.91	21.50	
	6	LOW	QPSK	19.99	20.20	20.05	21.50	
	1.4	1	LOW	Q16	20.55	20.51	20.19	21.50
			MID	Q16	20.36	20.12	20.28	21.50
HIGH			Q16	20.54	20.36	19.95	21.50	
3		LOW	Q16	20.28	20.21	20.31	21.50	
		MID	Q16	20.61	20.58	20.28	21.50	
		HIGH	Q16	20.48	20.22	19.95	21.50	
6		LOW	Q16	20.03	19.97	19.91	21.50	
1.4		1	LOW	64QAM	20.52	20.43	20.28	21.50
			MID	64QAM	20.41	20.10	20.16	21.50
	HIGH		64QAM	20.54	20.33	20.02	21.50	
	3	LOW	64QAM	20.33	20.06	20.36	21.50	
		MID	64QAM	20.75	20.48	20.26	21.50	
		HIGH	64QAM	20.35	20.22	19.85	21.50	
	6	LOW	64QAM	20.16	19.91	19.84	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	20.16	20.04	20.06	21.50
MID			QPSK	20.08	20.08	19.98	21.50	
HIGH			QPSK	20.31	19.94	19.99	21.50	
8		LOW	QPSK	20.33	20.08	19.90	21.50	
		MID	QPSK	20.25	19.94	20.12	21.50	
		HIGH	QPSK	20.01	20.18	20.09	21.50	
15		LOW	QPSK	20.01	20.17	19.97	21.50	
3		1	LOW	Q16	20.30	20.55	20.15	21.50
			MID	Q16	20.63	20.40	20.29	21.50
	HIGH		Q16	20.58	20.53	20.09	21.50	
	8	LOW	Q16	20.13	20.07	19.98	21.50	
		MID	Q16	20.25	19.96	20.04	21.50	
		HIGH	Q16	20.03	20.15	20.13	21.50	
	15	LOW	Q16	20.24	20.19	19.96	21.50	
	3	1	LOW	64QAM	20.48	20.40	20.00	21.50
			MID	64QAM	20.69	20.31	20.08	21.50
HIGH			64QAM	20.73	20.40	20.22	21.50	
8		LOW	64QAM	20.28	20.04	19.89	21.50	
		MID	64QAM	19.81	20.04	19.85	21.50	
		HIGH	64QAM	20.19	20.02	19.99	21.50	
15		LOW	64QAM	20.27	19.76	20.20	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	20.28	20.13	20.03	21.50
	MID		QPSK	20.09	19.97	19.97	21.50	
	HIGH		QPSK	20.08	20.01	19.92	21.50	
	12	LOW	QPSK	20.17	19.93	19.88	21.50	
		MID	QPSK	20.10	20.24	19.98	21.50	
		HIGH	QPSK	19.95	20.09	19.98	21.50	
	25	LOW	QPSK	20.17	20.19	20.02	21.50	
	5	1	LOW	Q16	20.39	20.30	20.24	21.50
			MID	Q16	20.62	20.31	20.10	21.50
HIGH			Q16	20.45	20.47	19.99	21.50	
12		LOW	Q16	20.13	20.16	20.02	21.50	
		MID	Q16	20.08	20.22	20.02	21.50	
		HIGH	Q16	20.22	20.21	19.97	21.50	
25		LOW	Q16	20.05	19.92	20.13	21.50	
5		1	LOW	64QAM	20.66	20.57	20.27	21.50
			MID	64QAM	20.53	20.17	20.19	21.50
	HIGH		64QAM	20.54	20.50	20.12	21.50	
	12	LOW	64QAM	20.02	19.91	19.96	21.50	
		MID	64QAM	19.93	19.96	19.88	21.50	
		HIGH	64QAM	20.27	20.26	19.80	21.50	
	25	LOW	64QAM	20.06	19.81	20.14	21.50	

LTE B66-DSI4&5 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	20.03	19.94	20.03	21.50	
		MID	QPSK	20.06	20.08	19.94	21.50	
		HIGH	QPSK	20.23	20.00	19.99	21.50	
	25	LOW	QPSK	20.35	20.16	20.09	21.50	
		MID	QPSK	20.08	20.18	20.11	21.50	
		HIGH	QPSK	20.20	20.13	20.12	21.50	
	50	LOW	QPSK	20.16	20.17	20.05	21.50	
	10	1	LOW	Q16	20.58	20.39	20.36	21.50
			MID	Q16	20.60	20.26	20.29	21.50
HIGH			Q16	20.42	20.24	20.20	21.50	
25		LOW	Q16	20.34	19.93	20.07	21.50	
		MID	Q16	20.13	20.24	20.08	21.50	
		HIGH	Q16	20.17	20.10	20.07	21.50	
50		LOW	Q16	20.02	20.13	19.85	21.50	
10		1	LOW	64QAM	20.41	20.39	20.09	21.50
			MID	64QAM	20.44	20.29	20.14	21.50
	HIGH		64QAM	20.55	20.21	20.23	21.50	
	25	LOW	64QAM	20.08	20.09	19.79	21.50	
		MID	64QAM	19.85	19.87	19.95	21.50	
		HIGH	64QAM	20.12	20.03	19.93	21.50	
	50	LOW	64QAM	20.01	19.85	20.10	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	20.14	19.97	20.02	21.50
MID			QPSK	20.01	20.09	19.85	21.50	
HIGH			QPSK	20.05	20.10	19.80	21.50	
36		LOW	QPSK	20.24	19.99	20.07	21.50	
		MID	QPSK	20.20	20.24	19.97	21.50	
		HIGH	QPSK	20.20	20.13	19.86	21.50	
75		LOW	QPSK	20.26	20.22	20.03	21.50	
15		1	LOW	Q16	20.47	20.57	20.32	21.50
			MID	Q16	20.37	20.16	20.10	21.50
	HIGH		Q16	20.41	20.53	20.14	21.50	
	36	LOW	Q16	20.33	19.98	19.93	21.50	
		MID	Q16	20.10	20.16	19.86	21.50	
		HIGH	Q16	20.24	20.05	20.11	21.50	
	75	LOW	Q16	20.19	20.20	19.89	21.50	
	15	1	LOW	64QAM	20.58	20.40	20.18	21.50
			MID	64QAM	20.43	20.34	20.09	21.50
HIGH			64QAM	20.74	20.34	19.98	21.50	
36		LOW	64QAM	20.28	20.20	19.85	21.50	
		MID	64QAM	19.92	19.91	20.07	21.50	
		HIGH	64QAM	20.29	20.13	20.07	21.50	
75		LOW	64QAM	20.19	19.79	20.16	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	20.01	20.17	19.92	21.50
	MID		QPSK	20.00	20.13	19.97	21.50	
	HIGH		QPSK	20.07	20.16	19.87	21.50	
	50	LOW	QPSK	20.04	20.20	19.95	21.50	
		MID	QPSK	20.09	20.15	20.03	21.50	
		HIGH	QPSK	20.07	20.10	20.01	21.50	
	100	LOW	QPSK	20.07	20.13	20.03	21.50	
	20	1	LOW	Q16	20.43	20.43	20.21	21.50
			MID	Q16	20.50	20.25	20.17	21.50
HIGH			Q16	20.46	20.38	20.10	21.50	
50		LOW	Q16	20.19	20.03	19.92	21.50	
		MID	Q16	20.10	20.11	20.01	21.50	
		HIGH	Q16	20.11	20.10	20.00	21.50	
100		LOW	Q16	20.13	20.05	20.00	21.50	
20		1	LOW	64QAM	20.51	20.46	20.13	21.50
			MID	64QAM	20.55	20.21	20.09	21.50
	HIGH		64QAM	20.61	20.36	20.10	21.50	
	50	LOW	64QAM	20.17	20.06	19.86	21.50	
		MID	64QAM	19.95	20.00	19.92	21.50	
		HIGH	64QAM	20.24	20.12	19.95	21.50	
	100	LOW	64QAM	20.16	19.91	20.14	21.50	

LTE B66-DS18&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.04	18.96	18.80	20.50	
		MID	QPSK	19.13	18.95	18.82	20.50	
		HIGH	QPSK	19.16	19.05	18.80	20.50	
	3	LOW	QPSK	19.20	18.95	19.02	20.50	
		MID	QPSK	19.11	18.96	18.87	20.50	
		HIGH	QPSK	19.24	19.01	18.85	20.50	
	6	LOW	QPSK	19.16	18.97	18.90	20.50	
	1.4	1	LOW	Q16	19.60	19.29	19.31	20.50
			MID	Q16	19.61	19.16	19.32	20.50
HIGH			Q16	19.32	19.39	19.24	20.50	
3		LOW	Q16	19.51	19.13	19.21	20.50	
		MID	Q16	19.70	19.23	19.27	20.50	
		HIGH	Q16	19.41	19.29	19.22	20.50	
6		LOW	Q16	19.24	19.02	19.17	20.50	
1.4		1	LOW	64QAM	19.71	19.28	19.39	20.50
			MID	64QAM	19.55	19.24	19.35	20.50
	HIGH		64QAM	19.43	19.31	19.14	20.50	
	3	LOW	64QAM	19.54	19.04	19.27	20.50	
		MID	64QAM	19.68	19.30	19.20	20.50	
		HIGH	64QAM	19.49	19.40	19.17	20.50	
	6	LOW	64QAM	19.20	19.14	19.25	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	19.01	19.14	19.06	20.50
MID			QPSK	19.24	19.17	18.95	20.50	
HIGH			QPSK	19.24	19.19	18.92	20.50	
8		LOW	QPSK	19.24	18.93	18.94	20.50	
		MID	QPSK	19.38	19.20	18.93	20.50	
		HIGH	QPSK	19.27	19.04	18.93	20.50	
15		LOW	QPSK	19.34	19.01	19.09	20.50	
3		1	LOW	Q16	19.40	19.45	19.41	20.50
			MID	Q16	19.62	19.28	19.43	20.50
	HIGH		Q16	19.35	19.40	19.10	20.50	
	8	LOW	Q16	19.18	19.10	19.06	20.50	
		MID	Q16	19.24	19.00	18.98	20.50	
		HIGH	Q16	19.29	19.28	19.12	20.50	
	15	LOW	Q16	19.31	18.98	18.92	20.50	
	3	1	LOW	64QAM	19.62	19.37	19.38	20.50
			MID	64QAM	19.83	19.36	19.34	20.50
HIGH			64QAM	19.61	19.20	19.26	20.50	
8		LOW	64QAM	19.25	19.03	19.11	20.50	
		MID	64QAM	19.13	19.27	19.07	20.50	
		HIGH	64QAM	18.94	19.08	19.24	20.50	
15		LOW	64QAM	19.22	19.20	19.05	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	19.15	19.07	18.87	20.50
	MID		QPSK	19.23	19.09	19.07	20.50	
	HIGH		QPSK	19.09	19.01	18.76	20.50	
	12	LOW	QPSK	19.12	19.08	18.94	20.50	
		MID	QPSK	19.26	19.27	18.93	20.50	
		HIGH	QPSK	19.29	19.18	19.00	20.50	
	25	LOW	QPSK	19.32	19.14	18.81	20.50	
	5	1	LOW	Q16	19.57	19.48	19.38	20.50
			MID	Q16	19.55	19.19	19.20	20.50
HIGH			Q16	19.36	19.17	19.07	20.50	
12		LOW	Q16	19.11	19.14	19.05	20.50	
		MID	Q16	19.23	19.12	19.15	20.50	
		HIGH	Q16	19.27	19.14	19.13	20.50	
25		LOW	Q16	19.07	19.06	18.97	20.50	
5		1	LOW	64QAM	19.65	19.40	19.27	20.50
			MID	64QAM	19.82	19.31	19.56	20.50
	HIGH		64QAM	19.60	19.34	19.09	20.50	
	12	LOW	64QAM	19.34	19.01	19.19	20.50	
		MID	64QAM	19.15	19.23	19.32	20.50	
		HIGH	64QAM	19.09	19.06	19.03	20.50	
	25	LOW	64QAM	19.20	19.19	19.13	20.50	



LTE B66-DS18&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	19.17	19.14	19.06	20.50	
		MID	QPSK	19.22	19.19	19.09	20.50	
		HIGH	QPSK	19.20	19.16	18.92	20.50	
	25	LOW	QPSK	19.35	19.06	18.86	20.50	
		MID	QPSK	19.13	19.12	19.04	20.50	
		HIGH	QPSK	19.26	19.16	19.16	20.50	
	50	LOW	QPSK	19.27	19.09	18.99	20.50	
	10	1	LOW	Q16	19.41	19.22	19.17	20.50
			MID	Q16	19.56	19.13	19.39	20.50
HIGH			Q16	19.45	19.30	19.24	20.50	
25		LOW	Q16	19.17	19.24	18.92	20.50	
		MID	Q16	19.30	19.00	18.99	20.50	
		HIGH	Q16	19.24	19.18	18.89	20.50	
50		LOW	Q16	19.27	19.21	18.89	20.50	
10		1	LOW	64QAM	19.54	19.34	19.37	20.50
			MID	64QAM	19.86	19.19	19.51	20.50
	HIGH		64QAM	19.54	19.38	19.12	20.50	
	25	LOW	64QAM	19.06	19.07	19.18	20.50	
		MID	64QAM	19.12	19.02	19.13	20.50	
		HIGH	64QAM	18.99	19.16	19.00	20.50	
	50	LOW	64QAM	19.28	19.10	19.13	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	19.24	18.94	19.03	20.50
MID			QPSK	19.28	19.01	18.84	20.50	
HIGH			QPSK	19.32	19.23	18.75	20.50	
36		LOW	QPSK	19.06	19.09	18.99	20.50	
		MID	QPSK	19.20	19.04	19.02	20.50	
		HIGH	QPSK	19.11	19.16	18.89	20.50	
75		LOW	QPSK	19.09	19.23	18.81	20.50	
15		1	LOW	Q16	19.33	19.38	19.27	20.50
			MID	Q16	19.61	19.41	19.24	20.50
	HIGH		Q16	19.56	19.33	19.23	20.50	
	36	LOW	Q16	19.36	19.21	19.02	20.50	
		MID	Q16	19.04	19.05	18.97	20.50	
		HIGH	Q16	19.26	19.23	19.17	20.50	
	75	LOW	Q16	19.28	19.06	19.06	20.50	
	15	1	LOW	64QAM	19.43	19.19	19.30	20.50
			MID	64QAM	19.66	19.34	19.37	20.50
HIGH			64QAM	19.55	19.43	19.10	20.50	
36		LOW	64QAM	19.20	19.07	19.10	20.50	
		MID	64QAM	19.10	19.18	19.15	20.50	
		HIGH	64QAM	19.08	18.89	19.30	20.50	
75		LOW	64QAM	19.07	19.06	18.95	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	19.03	19.13	18.93	20.50
	MID		QPSK	19.05	19.13	18.94	20.50	
	HIGH		QPSK	19.10	19.17	18.89	20.50	
	50	LOW	QPSK	19.01	19.20	18.97	20.50	
		MID	QPSK	19.13	19.27	18.95	20.50	
		HIGH	QPSK	19.15	19.25	19.02	20.50	
	100	LOW	QPSK	19.10	19.22	18.96	20.50	
	20	1	LOW	Q16	19.45	19.35	19.26	20.50
			MID	Q16	19.58	19.28	19.28	20.50
HIGH			Q16	19.46	19.29	19.17	20.50	
50		LOW	Q16	19.26	19.11	18.99	20.50	
		MID	Q16	19.19	19.12	19.06	20.50	
		HIGH	Q16	19.17	19.13	19.02	20.50	
100		LOW	Q16	19.16	19.12	19.04	20.50	
20		1	LOW	64QAM	19.52	19.27	19.29	20.50
			MID	64QAM	19.73	19.25	19.43	20.50
	HIGH		64QAM	19.55	19.32	19.20	20.50	
	50	LOW	64QAM	19.20	19.14	19.10	20.50	
		MID	64QAM	19.16	19.16	19.18	20.50	
		HIGH	64QAM	19.04	19.02	19.15	20.50	
	100	LOW	64QAM	19.22	19.17	19.03	20.50	

## 8.3.11 LTE Band2 Output Power

LTE B66-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.82	22.83	22.93	24.50	
		MID	QPSK	23.04	22.84	22.93	24.50	
		HIGH	QPSK	22.83	22.81	22.90	24.50	
	3	LOW	QPSK	22.88	22.98	22.86	24.50	
		MID	QPSK	22.96	22.92	22.83	24.50	
		HIGH	QPSK	23.08	22.74	22.90	24.50	
	6	LOW	QPSK	21.75	21.94	21.80	23.50	
	1.4	1	LOW	Q16	22.33	21.95	22.03	23.50
			MID	Q16	22.31	22.06	22.14	23.50
HIGH			Q16	22.15	22.40	22.19	23.50	
3		LOW	Q16	22.22	22.15	22.20	23.50	
		MID	Q16	22.24	22.18	22.01	23.50	
		HIGH	Q16	22.02	22.34	22.15	23.50	
6		LOW	Q16	20.82	20.93	21.05	22.50	
1.4		1	LOW	64QAM	20.70	20.69	20.63	22.50
			MID	64QAM	20.67	20.70	21.03	22.50
	HIGH		64QAM	20.74	20.67	20.65	22.50	
	3	LOW	64QAM	20.52	20.83	20.52	22.50	
		MID	64QAM	20.60	20.78	20.95	22.50	
		HIGH	64QAM	20.71	20.52	20.76	22.50	
	6	LOW	64QAM	20.19	19.82	19.77	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.92	22.92	22.87	24.50
MID			QPSK	23.00	22.83	22.79	24.50	
HIGH			QPSK	22.96	22.68	22.68	24.50	
8		LOW	QPSK	22.06	21.88	21.96	23.50	
		MID	QPSK	22.01	21.87	22.18	23.50	
		HIGH	QPSK	21.84	22.03	21.97	23.50	
15		LOW	QPSK	21.78	21.69	21.97	23.50	
3		1	LOW	Q16	22.22	22.06	22.19	23.50
			MID	Q16	22.20	22.24	22.00	23.50
	HIGH		Q16	22.19	22.15	22.13	23.50	
	8	LOW	Q16	20.97	20.91	20.75	22.50	
		MID	Q16	20.90	20.67	21.09	22.50	
		HIGH	Q16	20.59	20.58	20.63	22.50	
	15	LOW	Q16	20.96	20.85	21.04	22.50	
	3	1	LOW	64QAM	20.76	20.66	20.63	22.50
			MID	64QAM	20.77	20.54	20.95	22.50
HIGH			64QAM	20.67	20.63	20.61	22.50	
8		LOW	64QAM	19.90	19.92	19.65	21.50	
		MID	64QAM	19.83	19.88	20.16	21.50	
		HIGH	64QAM	19.86	19.92	19.56	21.50	
15		LOW	64QAM	19.92	19.79	19.66	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.85	22.77	22.98	24.50
	MID		QPSK	22.82	22.89	22.84	24.50	
	HIGH		QPSK	22.88	22.93	22.70	24.50	
	12	LOW	QPSK	22.04	22.00	22.06	23.50	
		MID	QPSK	21.99	21.77	22.15	23.50	
		HIGH	QPSK	21.82	21.93	22.04	23.50	
	25	LOW	QPSK	21.69	21.91	21.80	23.50	
	5	1	LOW	Q16	22.18	21.99	22.22	23.50
			MID	Q16	22.30	22.18	22.02	23.50
HIGH			Q16	22.12	22.16	21.99	23.50	
12		LOW	Q16	20.75	20.92	20.62	22.50	
		MID	Q16	20.82	20.56	21.15	22.50	
		HIGH	Q16	20.66	20.54	20.87	22.50	
25		LOW	Q16	20.89	20.80	20.83	22.50	
5		1	LOW	64QAM	20.62	20.63	20.65	22.50
			MID	64QAM	20.64	20.70	20.81	22.50
	HIGH		64QAM	20.76	20.53	20.61	22.50	
	12	LOW	64QAM	19.96	19.98	19.68	21.50	
		MID	64QAM	19.70	19.78	20.10	21.50	
		HIGH	64QAM	19.67	19.74	19.66	21.50	
	25	LOW	64QAM	19.73	19.87	19.78	21.50	

LTE B66-Full Power -Ant.31 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	22.80	22.78	23.07	24.50		
		MID	QPSK	22.98	23.00	22.78	24.50		
		HIGH	QPSK	22.92	22.85	22.75	24.50		
	25	LOW	QPSK	22.02	21.79	22.00	23.50		
		MID	QPSK	22.04	22.01	21.91	23.50		
		HIGH	QPSK	21.92	21.83	21.83	23.50		
	50	LOW	QPSK	21.60	21.73	22.02	23.50		
	10	1	LOW	Q16	22.09	22.00	22.20	23.50	
			MID	Q16	22.35	22.11	22.05	23.50	
HIGH			Q16	22.12	22.11	22.03	23.50		
25		LOW	Q16	20.91	20.88	20.82	22.50		
		MID	Q16	20.74	20.59	20.89	22.50		
		HIGH	Q16	20.68	20.69	20.63	22.50		
50		LOW	Q16	20.91	20.76	21.00	22.50		
10		1	LOW	64QAM	20.67	20.84	20.64	22.50	
			MID	64QAM	20.68	20.75	20.97	22.50	
	HIGH		64QAM	20.68	20.63	20.73	22.50		
	25	LOW	64QAM	19.67	19.83	19.62	21.50		
		MID	64QAM	19.67	19.93	19.93	21.50		
		HIGH	64QAM	19.62	19.64	19.61	21.50		
	50	LOW	64QAM	20.13	19.73	19.71	21.50		
	15	15	1	LOW	QPSK	22.85	22.76	22.88	24.50
				MID	QPSK	22.90	22.73	22.68	24.50
HIGH				QPSK	22.80	22.72	22.73	24.50	
36			LOW	QPSK	21.89	22.02	22.12	23.50	
			MID	QPSK	21.92	21.72	21.99	23.50	
			HIGH	QPSK	21.72	21.96	22.07	23.50	
75			LOW	QPSK	21.58	21.91	21.81	23.50	
15			1	LOW	Q16	22.13	21.98	22.02	23.50
				MID	Q16	22.28	22.04	21.93	23.50
		HIGH		Q16	22.02	22.41	22.16	23.50	
		36	LOW	Q16	20.94	20.86	20.85	22.50	
			MID	Q16	20.73	20.70	20.97	22.50	
			HIGH	Q16	20.65	20.59	20.77	22.50	
		75	LOW	Q16	20.79	20.89	21.07	22.50	
		15	1	LOW	64QAM	20.60	20.68	20.66	22.50
				MID	64QAM	20.72	20.61	20.95	22.50
HIGH				64QAM	20.83	20.63	20.67	22.50	
36			LOW	64QAM	19.68	19.90	19.82	21.50	
	MID		64QAM	19.59	19.93	19.94	21.50		
	HIGH		64QAM	19.63	19.70	19.75	21.50		
75	LOW		64QAM	20.16	19.71	19.78	21.50		
20	20		1	LOW	QPSK	22.78	22.89	22.93	24.50
				MID	QPSK	22.96	22.87	22.78	24.50
		HIGH		QPSK	22.94	22.79	22.80	24.50	
		50	LOW	QPSK	21.99	21.88	22.00	23.50	
			MID	QPSK	22.04	21.86	22.03	23.50	
			HIGH	QPSK	21.86	21.96	21.97	23.50	
		100	LOW	QPSK	21.64	21.83	21.95	23.50	
		20	1	LOW	Q16	22.20	22.06	22.15	23.50
				MID	Q16	22.21	22.18	22.07	23.50
	HIGH			Q16	22.05	22.26	22.13	23.50	
	50		LOW	Q16	20.83	20.82	20.75	22.50	
			MID	Q16	20.78	20.62	21.02	22.50	
			HIGH	Q16	20.71	20.69	20.74	22.50	
	100		LOW	Q16	20.82	20.87	20.95	22.50	
	20		1	LOW	64QAM	20.62	20.75	20.56	22.50
				MID	64QAM	20.74	20.65	20.93	22.50
		HIGH		64QAM	20.73	20.56	20.62	22.50	
		50	LOW	64QAM	19.81	19.85	19.72	21.50	
			MID	64QAM	19.69	19.93	20.05	21.50	
			HIGH	64QAM	19.71	19.79	19.69	21.50	
		100	LOW	64QAM	19.95/19.74	19.74	19.71	21.50	

LTE B66-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.82	22.83	22.93	24.50	
		MID	QPSK	23.04	22.84	22.93	24.50	
		HIGH	QPSK	22.83	22.81	22.90	24.50	
	3	LOW	QPSK	22.88	22.98	22.86	24.50	
		MID	QPSK	22.96	22.92	22.83	24.50	
		HIGH	QPSK	23.08	22.74	22.90	24.50	
	6	LOW	QPSK	21.75	21.94	21.80	23.50	
	1.4	1	LOW	Q16	22.33	21.95	22.03	23.50
			MID	Q16	22.31	22.06	22.14	23.50
HIGH			Q16	22.15	22.40	22.19	23.50	
3		LOW	Q16	22.22	22.15	22.20	23.50	
		MID	Q16	22.24	22.18	22.01	23.50	
		HIGH	Q16	22.02	22.34	22.15	23.50	
6		LOW	Q16	20.82	20.93	21.05	22.50	
1.4		1	LOW	64QAM	20.70	20.69	20.63	22.50
			MID	64QAM	20.67	20.70	21.03	22.50
	HIGH		64QAM	20.74	20.67	20.65	22.50	
	3	LOW	64QAM	20.52	20.83	20.52	22.50	
		MID	64QAM	20.60	20.78	20.95	22.50	
		HIGH	64QAM	20.71	20.52	20.76	22.50	
	6	LOW	64QAM	20.19	19.82	19.77	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.92	22.92	22.87	24.50
MID			QPSK	23.00	22.83	22.79	24.50	
HIGH			QPSK	22.96	22.68	22.68	24.50	
8		LOW	QPSK	22.06	21.88	21.96	23.50	
		MID	QPSK	22.01	21.87	22.18	23.50	
		HIGH	QPSK	21.84	22.03	21.97	23.50	
15		LOW	QPSK	21.78	21.69	21.97	23.50	
3		1	LOW	Q16	22.22	22.06	22.19	23.50
			MID	Q16	22.20	22.24	22.00	23.50
	HIGH		Q16	22.19	22.15	22.13	23.50	
	8	LOW	Q16	20.97	20.91	20.75	22.50	
		MID	Q16	20.90	20.67	21.09	22.50	
		HIGH	Q16	20.59	20.58	20.63	22.50	
	15	LOW	Q16	20.96	20.85	21.04	22.50	
	3	1	LOW	64QAM	20.76	20.66	20.63	22.50
			MID	64QAM	20.77	20.54	20.95	22.50
HIGH			64QAM	20.67	20.63	20.61	22.50	
8		LOW	64QAM	19.90	19.92	19.65	21.50	
		MID	64QAM	19.83	19.88	20.16	21.50	
		HIGH	64QAM	19.86	19.92	19.56	21.50	
15		LOW	64QAM	19.92	19.79	19.66	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.85	22.77	22.98	24.50
	MID		QPSK	22.82	22.89	22.84	24.50	
	HIGH		QPSK	22.88	22.93	22.70	24.50	
	12	LOW	QPSK	22.04	22.00	22.06	23.50	
		MID	QPSK	21.99	21.77	22.15	23.50	
		HIGH	QPSK	21.82	21.93	22.04	23.50	
	25	LOW	QPSK	21.69	21.91	21.80	23.50	
	5	1	LOW	Q16	22.18	21.99	22.22	23.50
			MID	Q16	22.30	22.18	22.02	23.50
HIGH			Q16	22.12	22.16	21.99	23.50	
12		LOW	Q16	20.75	20.92	20.62	22.50	
		MID	Q16	20.82	20.56	21.15	22.50	
		HIGH	Q16	20.66	20.54	20.87	22.50	
25		LOW	Q16	20.89	20.80	20.83	22.50	
5		1	LOW	64QAM	20.62	20.63	20.65	22.50
			MID	64QAM	20.64	20.70	20.81	22.50
	HIGH		64QAM	20.76	20.53	20.61	22.50	
	12	LOW	64QAM	19.96	19.98	19.68	21.50	
		MID	64QAM	19.70	19.78	20.10	21.50	
		HIGH	64QAM	19.67	19.74	19.66	21.50	
	25	LOW	64QAM	19.66	19.74	19.78	21.50	

LTE B66-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	22.80	22.78	23.07	24.50	
		MID	QPSK	22.98	23.00	22.78	24.50	
		HIGH	QPSK	22.92	22.85	22.75	24.50	
	25	LOW	QPSK	22.02	21.79	22.00	23.50	
		MID	QPSK	22.04	22.01	21.91	23.50	
		HIGH	QPSK	21.92	21.83	21.83	23.50	
	50	LOW	QPSK	21.60	21.73	22.02	23.50	
	10	1	LOW	Q16	22.09	22.00	22.20	23.50
			MID	Q16	22.35	22.11	22.05	23.50
HIGH			Q16	22.12	22.11	22.03	23.50	
25		LOW	Q16	20.91	20.88	20.82	22.50	
		MID	Q16	20.74	20.59	20.89	22.50	
		HIGH	Q16	20.68	20.69	20.63	22.50	
50		LOW	Q16	20.91	20.76	21.00	22.50	
10		1	LOW	64QAM	20.67	20.84	20.64	22.50
			MID	64QAM	20.68	20.75	20.97	22.50
	HIGH		64QAM	20.68	20.63	20.73	22.50	
	25	LOW	64QAM	19.67	19.83	19.62	21.50	
		MID	64QAM	19.67	19.93	19.93	21.50	
		HIGH	64QAM	19.62	19.64	19.61	21.50	
	50	LOW	64QAM	20.13	19.73	19.71	21.50	
	15	1	LOW	QPSK	22.85	22.76	22.88	24.50
			MID	QPSK	22.90	22.73	22.68	24.50
HIGH			QPSK	22.80	22.72	22.73	24.50	
36		LOW	QPSK	21.89	22.02	22.12	23.50	
		MID	QPSK	21.92	21.72	21.99	23.50	
		HIGH	QPSK	21.72	21.96	22.07	23.50	
75		LOW	QPSK	21.58	21.91	21.81	23.50	
15		1	LOW	Q16	22.13	21.98	22.02	23.50
			MID	Q16	22.28	22.04	21.93	23.50
	HIGH		Q16	22.02	22.41	22.16	23.50	
	36	LOW	Q16	20.94	20.86	20.85	22.50	
		MID	Q16	20.73	20.70	20.97	22.50	
		HIGH	Q16	20.65	20.59	20.77	22.50	
	75	LOW	Q16	20.79	20.89	21.07	22.50	
	15	1	LOW	64QAM	20.60	20.68	20.66	22.50
			MID	64QAM	20.72	20.61	20.95	22.50
HIGH			64QAM	20.83	20.63	20.67	22.50	
36		LOW	64QAM	19.68	19.90	19.82	21.50	
		MID	64QAM	19.59	19.93	19.94	21.50	
		HIGH	64QAM	19.63	19.70	19.75	21.50	
75		LOW	64QAM	20.16	19.71	19.78	21.50	
20		1	LOW	QPSK	22.78	22.89	22.93	24.50
			MID	QPSK	22.96	22.87	22.78	24.50
	HIGH		QPSK	22.94	22.79	22.80	24.50	
	50	LOW	QPSK	21.99	21.88	22.00	23.50	
		MID	QPSK	22.04	21.86	22.03	23.50	
		HIGH	QPSK	21.86	21.96	21.97	23.50	
	100	LOW	QPSK	21.64	21.83	21.95	23.50	
	20	1	LOW	Q16	22.20	22.06	22.15	23.50
			MID	Q16	22.21	22.18	22.07	23.50
HIGH			Q16	22.05	22.26	22.13	23.50	
50		LOW	Q16	20.83	20.82	20.75	22.50	
		MID	Q16	20.78	20.62	21.02	22.50	
		HIGH	Q16	20.71	20.69	20.74	22.50	
100		LOW	Q16	20.82	20.87	20.95	22.50	
20		1	LOW	64QAM	20.62	20.75	20.56	22.50
			MID	64QAM	20.74	20.65	20.93	22.50
	HIGH		64QAM	20.73	20.56	20.62	22.50	
	50	LOW	64QAM	19.81	19.85	19.72	21.50	
		MID	64QAM	19.69	19.93	20.05	21.50	
		HIGH	64QAM	19.71	19.79	19.69	21.50	
	100	LOW	64QAM	19.71	19.74	19.71	21.50	

LTE B66-DSI4&5 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.57	20.49	20.19	21.50	
		MID	QPSK	20.24	20.59	20.48	21.50	
		HIGH	QPSK	20.26	20.23	20.32	21.50	
	3	LOW	QPSK	20.56	20.29	20.35	21.50	
		MID	QPSK	20.40	20.31	20.29	21.50	
		HIGH	QPSK	20.29	20.35	20.46	21.50	
	6	LOW	QPSK	20.25	20.40	20.27	21.50	
	1.4	1	LOW	Q16	20.48	20.62	20.91	21.50
			MID	Q16	20.42	20.70	20.73	21.50
HIGH			Q16	20.58	20.38	20.36	21.50	
3		LOW	Q16	20.42	20.70	20.76	21.50	
		MID	Q16	20.60	20.72	20.74	21.50	
		HIGH	Q16	20.55	20.38	20.47	21.50	
6		LOW	Q16	20.55	20.31	20.11	21.50	
1.4		1	LOW	64QAM	20.28	20.25	20.21	21.50
			MID	64QAM	20.17	20.13	20.26	21.50
	HIGH		64QAM	20.05	20.32	20.18	21.50	
	3	LOW	64QAM	20.21	20.27	20.02	21.50	
		MID	64QAM	19.97	20.15	20.31	21.50	
		HIGH	64QAM	19.98	20.42	19.93	21.50	
	6	LOW	64QAM	19.57	19.84	20.07	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	20.53	20.32	20.46	21.50
MID			QPSK	20.52	20.48	20.23	21.50	
HIGH			QPSK	20.17	20.35	20.48	21.50	
8		LOW	QPSK	20.46	20.48	20.48	21.50	
		MID	QPSK	20.66	20.61	20.25	21.50	
		HIGH	QPSK	20.52	20.44	20.35	21.50	
15		LOW	QPSK	20.13	20.39	20.35	21.50	
3		1	LOW	Q16	20.40	20.59	20.81	21.50
			MID	Q16	20.41	20.85	20.76	21.50
	HIGH		Q16	20.68	20.63	20.31	21.50	
	8	LOW	Q16	20.48	20.50	20.48	21.50	
		MID	Q16	20.25	20.24	20.47	21.50	
		HIGH	Q16	20.19	20.38	20.34	21.50	
	15	LOW	Q16	20.39	20.34	20.29	21.50	
	3	1	LOW	64QAM	20.19	20.17	20.03	21.50
			MID	64QAM	19.99	20.14	20.16	21.50
HIGH			64QAM	20.16	20.44	20.00	21.50	
8		LOW	64QAM	19.54	19.78	19.56	21.50	
		MID	64QAM	19.89	19.91	20.02	21.50	
		HIGH	64QAM	20.09	19.80	19.73	21.50	
15		LOW	64QAM	19.77	20.04	20.06	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	20.47	20.29	20.33	21.50
	MID		QPSK	20.31	20.29	20.47	21.50	
	HIGH		QPSK	20.26	20.43	20.37	21.50	
	12	LOW	QPSK	20.46	20.46	20.48	21.50	
		MID	QPSK	20.48	20.49	20.38	21.50	
		HIGH	QPSK	20.42	20.32	20.29	21.50	
	25	LOW	QPSK	20.29	20.37	20.36	21.50	
	5	1	LOW	Q16	20.31	20.58	20.72	21.50
			MID	Q16	20.41	20.90	20.62	21.50
HIGH			Q16	20.75	20.37	20.49	21.50	
12		LOW	Q16	20.47	20.45	20.48	21.50	
		MID	Q16	20.23	20.46	20.56	21.50	
		HIGH	Q16	20.44	20.27	20.32	21.50	
25		LOW	Q16	20.45	20.32	20.22	21.50	
5		1	LOW	64QAM	20.37	20.20	20.10	21.50
			MID	64QAM	19.95	20.22	20.22	21.50
	HIGH		64QAM	20.20	20.23	20.12	21.50	
	12	LOW	64QAM	19.60	19.72	19.80	21.50	
		MID	64QAM	19.84	19.86	19.87	21.50	
		HIGH	64QAM	20.03	19.54	19.51	21.50	
	25	LOW	64QAM	19.88	19.63	19.85	21.50	

LTE B66-DSI4&5 -Ant.31 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	20.38	20.38	20.34	21.50		
		MID	QPSK	20.38	20.43	20.34	21.50		
		HIGH	QPSK	20.43	20.36	20.36	21.50		
	25	LOW	QPSK	20.57	20.49	20.22	21.50		
		MID	QPSK	20.62	20.53	20.24	21.50		
		HIGH	QPSK	20.58	20.44	20.38	21.50		
	50	LOW	QPSK	20.39	20.52	20.39	21.50		
	10	1	LOW	Q16	20.28	20.65	20.84	21.50	
			MID	Q16	20.49	20.92	20.70	21.50	
HIGH			Q16	20.73	20.38	20.39	21.50		
25		LOW	Q16	20.61	20.37	20.33	21.50		
		MID	Q16	20.13	20.23	20.39	21.50		
		HIGH	Q16	20.37	20.34	20.25	21.50		
50		LOW	Q16	20.42	20.37	20.36	21.50		
10		1	LOW	64QAM	20.27	20.40	20.10	21.50	
			MID	64QAM	19.96	20.06	20.22	21.50	
	HIGH		64QAM	20.15	20.43	20.16	21.50		
	25	LOW	64QAM	19.69	19.78	19.77	21.50		
		MID	64QAM	19.94	19.78	20.06	21.50		
		HIGH	64QAM	19.87	19.52	19.75	21.50		
	50	LOW	64QAM	19.55	19.92	19.88	21.50		
	15	15	1	LOW	QPSK	20.45	20.27	20.29	21.50
				MID	QPSK	20.47	20.29	20.36	21.50
HIGH				QPSK	20.22	20.39	20.26	21.50	
36			LOW	QPSK	20.34	20.57	20.42	21.50	
			MID	QPSK	20.69	20.52	20.39	21.50	
			HIGH	QPSK	20.46	20.40	20.51	21.50	
75			LOW	QPSK	20.18	20.33	20.17	21.50	
15			1	LOW	Q16	20.48	20.58	20.86	21.50
				MID	Q16	20.50	20.84	20.78	21.50
		HIGH		Q16	20.56	20.39	20.52	21.50	
		36	LOW	Q16	20.60	20.38	20.55	21.50	
			MID	Q16	20.34	20.47	20.46	21.50	
			HIGH	Q16	20.44	20.46	20.21	21.50	
		75	LOW	Q16	20.51	20.28	20.18	21.50	
		15	1	LOW	64QAM	20.29	20.28	20.08	21.50
				MID	64QAM	19.99	20.19	20.15	21.50
HIGH				64QAM	20.07	20.26	20.15	21.50	
36			LOW	64QAM	19.66	19.94	19.56	21.50	
	MID		64QAM	19.88	19.73	20.06	21.50		
	HIGH		64QAM	20.06	19.76	19.67	21.50		
75	LOW		64QAM	19.68	19.80	20.03	21.50		
20	20		1	LOW	QPSK	20.43	20.42	20.32	21.50
				MID	QPSK	20.39	20.44	20.34	21.50
		HIGH		QPSK	20.28	20.38	20.33	21.50	
		50	LOW	QPSK	20.44	20.42	20.36	21.50	
			MID	QPSK	20.54	20.55	20.24	21.50	
			HIGH	QPSK	20.51	20.42	20.38	21.50	
		100	LOW	QPSK	20.26	20.43	20.29	21.50	
		20	1	LOW	Q16	20.43	20.63	20.83	21.50
				MID	Q16	20.49	20.82	20.64	21.50
	HIGH			Q16	20.68	20.50	20.43	21.50	
	50		LOW	Q16	20.56	20.40	20.47	21.50	
			MID	Q16	20.26	20.36	20.43	21.50	
			HIGH	Q16	20.29	20.41	20.34	21.50	
	100		LOW	Q16	20.45	20.24	20.22	21.50	
	20		1	LOW	64QAM	20.31	20.25	20.06	21.50
				MID	64QAM	20.09	20.13	20.29	21.50
		HIGH		64QAM	20.06	20.37	20.05	21.50	
		50	LOW	64QAM	19.69	19.80	19.68	21.50	
MID			64QAM	19.94	19.78	19.98	21.50		
HIGH			64QAM	19.94	19.65	19.64	21.50		
100		LOW	64QAM	19.68	19.95	19.98	21.50		

LTE B66-DSI8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.54	19.67	19.42	20.50	
		MID	QPSK	19.55	19.61	19.55	20.50	
		HIGH	QPSK	19.51	19.43	19.32	20.50	
	3	LOW	QPSK	19.65	19.46	19.45	20.50	
		MID	QPSK	19.53	19.41	19.58	20.50	
		HIGH	QPSK	19.52	19.40	19.45	20.50	
	6	LOW	QPSK	19.41	19.37	19.40	20.50	
	1.4	1	LOW	Q16	19.67	19.65	19.92	20.50
			MID	Q16	19.92	19.67	19.43	20.50
HIGH			Q16	19.65	19.67	19.44	20.50	
3		LOW	Q16	19.69	19.76	19.95	20.50	
		MID	Q16	19.81	19.64	19.52	20.50	
		HIGH	Q16	19.55	19.83	19.43	20.50	
6		LOW	Q16	19.32	19.39	19.30	20.50	
1.4		1	LOW	64QAM	19.15	19.54	19.63	20.50
			MID	64QAM	19.50	19.29	19.66	20.50
	HIGH		64QAM	19.18	19.23	19.22	20.50	
	3	LOW	64QAM	19.18	19.41	19.52	20.50	
		MID	64QAM	19.60	19.26	19.70	20.50	
		HIGH	64QAM	19.29	19.27	19.20	20.50	
	6	LOW	64QAM	19.45	19.58	19.36	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	19.44	19.58	19.38	20.50
MID			QPSK	19.57	19.58	19.64	20.50	
HIGH			QPSK	19.61	19.59	19.42	20.50	
8		LOW	QPSK	19.26	19.48	19.56	20.50	
		MID	QPSK	19.33	19.69	19.52	20.50	
		HIGH	QPSK	19.34	19.61	19.45	20.50	
15		LOW	QPSK	19.34	19.53	19.38	20.50	
3		1	LOW	Q16	19.68	19.63	19.90	20.50
			MID	Q16	19.75	19.68	19.46	20.50
	HIGH		Q16	19.50	19.71	19.49	20.50	
	8	LOW	Q16	19.55	19.51	19.55	20.50	
		MID	Q16	19.73	19.38	19.52	20.50	
		HIGH	Q16	19.24	19.53	19.41	20.50	
	15	LOW	Q16	19.60	19.30	19.44	20.50	
	3	1	LOW	64QAM	19.17	19.55	19.54	20.50
			MID	64QAM	19.65	19.36	19.52	20.50
HIGH			64QAM	19.32	19.36	19.36	20.50	
8		LOW	64QAM	19.72	19.40	19.77	20.50	
		MID	64QAM	19.56	19.58	19.43	20.50	
		HIGH	64QAM	19.77	19.32	19.46	20.50	
15		LOW	64QAM	19.49	19.46	19.23	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	19.48	19.46	19.53	20.50
	MID		QPSK	19.42	19.55	19.59	20.50	
	HIGH		QPSK	19.55	19.38	19.50	20.50	
	12	LOW	QPSK	19.27	19.34	19.66	20.50	
		MID	QPSK	19.55	19.63	19.65	20.50	
		HIGH	QPSK	19.52	19.60	19.63	20.50	
	25	LOW	QPSK	19.34	19.64	19.36	20.50	
	5	1	LOW	Q16	19.71	19.75	19.74	20.50
			MID	Q16	19.90	19.52	19.49	20.50
HIGH			Q16	19.39	19.76	19.46	20.50	
12		LOW	Q16	19.52	19.39	19.55	20.50	
		MID	Q16	19.66	19.20	19.44	20.50	
		HIGH	Q16	19.47	19.26	19.44	20.50	
25		LOW	Q16	19.39	19.43	19.44	20.50	
5		1	LOW	64QAM	19.30	19.47	19.44	20.50
			MID	64QAM	19.49	19.16	19.61	20.50
	HIGH		64QAM	19.15	19.24	19.16	20.50	
	12	LOW	64QAM	19.74	19.48	19.49	20.50	
		MID	64QAM	19.46	19.54	19.53	20.50	
		HIGH	64QAM	19.58	19.27	19.54	20.50	
	25	LOW	64QAM	19.56	19.57	19.31	20.50	



LTE B66-DSI8&9&10 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	19.52	19.58	19.56	20.50	
		MID	QPSK	19.52	19.66	19.68	20.50	
		HIGH	QPSK	19.46	19.42	19.56	20.50	
	25	LOW	QPSK	19.42	19.40	19.53	20.50	
		MID	QPSK	19.52	19.69	19.51	20.50	
		HIGH	QPSK	19.35	19.46	19.36	20.50	
	50	LOW	QPSK	19.29	19.52	19.34	20.50	
	10	1	LOW	Q16	19.78	19.60	19.87	20.50
			MID	Q16	19.81	19.50	19.53	20.50
HIGH			Q16	19.39	19.79	19.43	20.50	
25		LOW	Q16	19.63	19.43	19.44	20.50	
		MID	Q16	19.54	19.26	19.44	20.50	
		HIGH	Q16	19.32	19.53	19.26	20.50	
50		LOW	Q16	19.32	19.49	19.52	20.50	
10		1	LOW	64QAM	19.24	19.36	19.62	20.50
			MID	64QAM	19.60	19.20	19.58	20.50
	HIGH		64QAM	19.32	19.28	19.46	20.50	
	25	LOW	64QAM	19.64	19.36	19.59	20.50	
		MID	64QAM	19.60	19.60	19.34	20.50	
		HIGH	64QAM	19.59	19.23	19.45	20.50	
	50	LOW	64QAM	19.31	19.35	19.30	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	19.69	19.63	19.42	20.50
MID			QPSK	19.40	19.54	19.43	20.50	
HIGH			QPSK	19.67	19.67	19.31	20.50	
36		LOW	QPSK	19.48	19.38	19.53	20.50	
		MID	QPSK	19.50	19.75	19.56	20.50	
		HIGH	QPSK	19.30	19.34	19.46	20.50	
75		LOW	QPSK	19.39	19.40	19.39	20.50	
15		1	LOW	Q16	19.89	19.75	19.92	20.50
			MID	Q16	19.64	19.68	19.44	20.50
	HIGH		Q16	19.48	19.72	19.57	20.50	
	36	LOW	Q16	19.43	19.53	19.41	20.50	
		MID	Q16	19.79	19.26	19.48	20.50	
		HIGH	Q16	19.29	19.25	19.30	20.50	
	75	LOW	Q16	19.60	19.51	19.54	20.50	
	15	1	LOW	64QAM	19.32	19.53	19.48	20.50
			MID	64QAM	19.48	19.31	19.66	20.50
HIGH			64QAM	19.13	19.16	19.46	20.50	
36		LOW	64QAM	19.76	19.53	19.74	20.50	
		MID	64QAM	19.45	19.65	19.50	20.50	
		HIGH	64QAM	19.67	19.41	19.45	20.50	
75		LOW	64QAM	19.40	19.53	19.34	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	19.55	19.53	19.48	20.50
	MID		QPSK	19.44	19.54	19.54	20.50	
	HIGH		QPSK	19.53	19.52	19.45	20.50	
	50	LOW	QPSK	19.39	19.41	19.57	20.50	
		MID	QPSK	19.45	19.61	19.51	20.50	
		HIGH	QPSK	19.37	19.49	19.49	20.50	
	100	LOW	QPSK	19.31	19.49	19.47	20.50	
	20	1	LOW	Q16	19.75	19.65	19.84	20.50
			MID	Q16	19.78	19.57	19.49	20.50
HIGH			Q16	19.51	19.79	19.49	20.50	
50		LOW	Q16	19.49	19.52	19.56	20.50	
		MID	Q16	19.66	19.32	19.42	20.50	
		HIGH	Q16	19.35	19.38	19.41	20.50	
100		LOW	Q16	19.45	19.45	19.44	20.50	
20		1	LOW	64QAM	19.28	19.40	19.49	20.50
			MID	64QAM	19.57	19.30	19.56	20.50
	HIGH		64QAM	19.28	19.23	19.31	20.50	
	50	LOW	64QAM	19.61	19.49	19.63	20.50	
		MID	64QAM	19.52	19.64	19.44	20.50	
		HIGH	64QAM	19.68	19.36	19.57	20.50	
	100	LOW	64QAM	19.44	19.47	19.33	20.50	

## 8.3.11 LTE Band66 Output Power

LTE B66-Full Power -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.90	22.76	22.91	24.50	
		MID	QPSK	22.69	22.57	22.55	24.50	
		HIGH	QPSK	22.60	22.57	22.55	24.50	
	3	LOW	QPSK	22.97	22.63	22.61	24.50	
		MID	QPSK	22.92	22.62	22.59	24.50	
		HIGH	QPSK	22.63	22.71	22.52	24.50	
	6	LOW	QPSK	21.84	21.54	21.69	23.50	
	1.4	1	LOW	Q16	22.31	22.10	21.78	23.50
			MID	Q16	22.20	22.00	21.75	23.50
HIGH			Q16	21.94	21.94	21.75	23.50	
3		LOW	Q16	22.30	21.70	21.81	23.50	
		MID	Q16	21.99	22.07	21.89	23.50	
		HIGH	Q16	21.98	21.99	21.89	23.50	
6		LOW	Q16	20.83	20.69	20.53	22.50	
1.4		1	LOW	64QAM	21.35	21.21	20.91	22.50
			MID	64QAM	21.23	21.13	20.74	22.50
	HIGH		64QAM	20.97	20.96	20.75	22.50	
	3	LOW	64QAM	21.30	20.55	20.69	22.50	
		MID	64QAM	21.08	20.99	20.99	22.50	
		HIGH	64QAM	20.91	20.97	20.81	22.50	
	6	LOW	64QAM	19.76	19.72	19.67	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.79	22.61	22.63	24.50
MID			QPSK	22.65	22.61	22.55	24.50	
HIGH			QPSK	22.74	22.57	22.64	24.50	
8		LOW	QPSK	21.93	21.72	21.83	23.50	
		MID	QPSK	21.71	21.77	21.59	23.50	
		HIGH	QPSK	21.79	21.80	21.69	23.50	
15		LOW	QPSK	21.60	21.52	21.60	23.50	
3		1	LOW	Q16	22.35	21.96	21.64	23.50
			MID	Q16	22.10	22.05	21.86	23.50
	HIGH		Q16	21.97	22.09	21.82	23.50	
	8	LOW	Q16	20.98	20.54	20.88	22.50	
		MID	Q16	20.78	20.63	20.67	22.50	
		HIGH	Q16	20.80	20.69	20.67	22.50	
	15	LOW	Q16	20.71	20.82	20.71	22.50	
	3	1	LOW	64QAM	21.41	21.05	20.66	22.50
			MID	64QAM	21.04	21.22	20.86	22.50
HIGH			64QAM	20.77	20.93	20.77	22.50	
8		LOW	64QAM	19.87	19.53	19.50	21.50	
		MID	64QAM	19.68	19.72	19.71	21.50	
		HIGH	64QAM	19.64	19.63	19.77	21.50	
15		LOW	64QAM	19.67	19.73	19.67	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.86	22.67	22.90	24.50
	MID		QPSK	22.89	22.67	22.62	24.50	
	HIGH		QPSK	22.75	22.52	22.64	24.50	
	12	LOW	QPSK	22.01	21.72	21.84	23.50	
		MID	QPSK	21.80	21.54	21.59	23.50	
		HIGH	QPSK	21.72	21.76	21.74	23.50	
	25	LOW	QPSK	21.77	21.78	21.70	23.50	
	5	1	LOW	Q16	22.36	22.03	21.61	23.50
			MID	Q16	22.14	21.98	21.72	23.50
HIGH			Q16	21.97	22.16	21.87	23.50	
12		LOW	Q16	20.74	20.59	20.74	22.50	
		MID	Q16	20.89	20.74	20.68	22.50	
		HIGH	Q16	20.54	20.56	20.63	22.50	
25		LOW	Q16	20.81	20.82	20.60	22.50	
5		1	LOW	64QAM	21.19	20.94	20.61	22.50
			MID	64QAM	21.11	20.99	20.68	22.50
	HIGH		64QAM	20.77	20.90	20.97	22.50	
	12	LOW	64QAM	19.93	19.60	19.69	21.50	
		MID	64QAM	19.76	19.94	19.57	21.50	
		HIGH	64QAM	19.73	19.54	19.52	21.50	
	25	LOW	64QAM	19.86	19.70	19.58	21.50	

LTE B66-Full Power -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	22.92	22.72	22.84	24.50	
		MID	QPSK	22.70	22.72	22.60	24.50	
		HIGH	QPSK	22.67	22.50	22.51	24.50	
	25	LOW	QPSK	21.82	21.75	21.68	23.50	
		MID	QPSK	21.72	21.63	21.52	23.50	
		HIGH	QPSK	21.61	21.55	21.62	23.50	
	50	LOW	QPSK	21.79	21.51	21.67	23.50	
	10	1	LOW	Q16	22.40	22.04	21.72	23.50
			MID	Q16	22.09	22.20	21.94	23.50
HIGH			Q16	21.84	21.89	21.73	23.50	
25		LOW	Q16	20.78	20.50	20.89	22.50	
		MID	Q16	20.69	20.70	20.50	22.50	
		HIGH	Q16	20.79	20.73	20.68	22.50	
50		LOW	Q16	20.81	20.77	20.66	22.50	
10		1	LOW	64QAM	21.36	20.96	20.53	22.50
			MID	64QAM	21.05	21.23	20.73	22.50
	HIGH		64QAM	20.62	21.00	20.95	22.50	
	25	LOW	64QAM	19.87	19.51	19.59	21.50	
		MID	64QAM	19.95	19.65	19.67	21.50	
		HIGH	64QAM	19.70	19.63	19.62	21.50	
	50	LOW	64QAM	19.72	19.84	19.52	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	23.05	22.59	22.69	24.50
MID			QPSK	22.82	22.67	22.60	24.50	
HIGH			QPSK	22.72	22.51	22.55	24.50	
36		LOW	QPSK	21.80	21.67	21.90	23.50	
		MID	QPSK	21.76	21.60	21.68	23.50	
		HIGH	QPSK	21.55	21.73	21.58	23.50	
75		LOW	QPSK	21.87	21.74	21.64	23.50	
15		1	LOW	Q16	22.23	22.09	21.80	23.50
			MID	Q16	21.99	22.04	21.76	23.50
	HIGH		Q16	21.81	22.09	21.72	23.50	
	36	LOW	Q16	20.80	20.65	20.75	22.50	
		MID	Q16	20.76	20.68	20.69	22.50	
		HIGH	Q16	20.75	20.63	20.68	22.50	
	75	LOW	Q16	20.69	20.80	20.55	22.50	
	15	1	LOW	64QAM	21.18	21.15	20.60	22.50
			MID	64QAM	21.03	21.03	20.94	22.50
HIGH			64QAM	20.86	20.90	20.85	22.50	
36		LOW	64QAM	19.77	19.66	19.56	21.50	
		MID	64QAM	19.89	19.81	19.75	21.50	
		HIGH	64QAM	19.68	19.53	19.67	21.50	
75		LOW	64QAM	19.64	19.80	19.62	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	22.70	22.94	22.76	24.50
	MID		QPSK	22.62	22.80	22.52	24.50	
	HIGH		QPSK	22.62	22.69	22.50	24.50	
	50	LOW	QPSK	21.70	21.92	21.78	23.50	
		MID	QPSK	21.66	21.78	21.56	23.50	
		HIGH	QPSK	21.65	21.68	21.59	23.50	
	100	LOW	QPSK	21.64	21.73	21.59	23.50	
	20	1	LOW	Q16	22.34	21.97	21.69	23.50
			MID	Q16	22.08	22.12	21.80	23.50
HIGH			Q16	21.87	22.02	21.79	23.50	
50		LOW	Q16	20.87	20.64	20.77	22.50	
		MID	Q16	20.79	20.66	20.63	22.50	
		HIGH	Q16	20.66	20.66	20.60	22.50	
100		LOW	Q16	20.72	20.67	20.60	22.50	
20		1	LOW	64QAM	21.31	21.00	20.63	22.50
			MID	64QAM	21.18	21.13	20.80	22.50
	HIGH		64QAM	20.75	20.90	20.89	22.50	
	50	LOW	64QAM	19.90	19.59	19.62	21.50	
		MID	64QAM	19.83	19.79	19.61	21.50	
		HIGH	64QAM	19.60	19.57	19.62	21.50	
	100	LOW	64QAM	19.74	19.82	19.60	21.50	

LTE B66-DSI2&3 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.08	22.32	21.99	23.50	
		MID	QPSK	22.23	21.98	22.34	23.50	
		HIGH	QPSK	22.06	22.18	22.26	23.50	
	3	LOW	QPSK	22.12	22.19	22.13	23.50	
		MID	QPSK	22.24	22.03	22.08	23.50	
		HIGH	QPSK	22.06	22.15	22.23	23.50	
	6	LOW	QPSK	22.20	22.11	22.21	23.50	
	1.4	1	LOW	Q16	22.41	22.54	22.38	23.50
			MID	Q16	22.52	22.66	22.28	23.50
HIGH			Q16	22.51	22.72	22.38	23.50	
3		LOW	Q16	22.50	22.14	22.31	23.50	
		MID	Q16	22.67	22.42	22.50	23.50	
		HIGH	Q16	22.27	22.56	22.38	23.50	
6		LOW	Q16	21.23	21.34	21.23	22.50	
1.4		1	LOW	64QAM	21.37	21.39	21.46	22.50
			MID	64QAM	21.62	21.77	21.40	22.50
	HIGH		64QAM	21.41	21.87	21.31	22.50	
	3	LOW	64QAM	21.51	21.13	21.40	22.50	
		MID	64QAM	21.59	21.33	21.47	22.50	
		HIGH	64QAM	21.39	21.60	21.32	22.50	
	6	LOW	64QAM	20.11	20.26	20.29	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.33	22.14	22.00	23.50
MID			QPSK	22.25	22.10	22.29	23.50	
HIGH			QPSK	22.11	22.11	22.08	23.50	
8		LOW	QPSK	22.36	22.35	22.26	23.50	
		MID	QPSK	22.12	22.22	22.27	23.50	
		HIGH	QPSK	22.00	22.23	22.12	23.50	
15		LOW	QPSK	21.99	22.09	22.11	23.50	
3		1	LOW	Q16	22.45	22.63	22.47	23.50
			MID	Q16	22.48	22.44	22.22	23.50
	HIGH		Q16	22.46	22.68	22.23	23.50	
	8	LOW	Q16	21.28	21.26	21.31	22.50	
		MID	Q16	21.20	21.17	21.42	22.50	
		HIGH	Q16	20.95	21.18	21.14	22.50	
	15	LOW	Q16	21.08	21.34	21.26	22.50	
	3	1	LOW	64QAM	21.49	21.48	21.34	22.50
			MID	64QAM	21.55	21.31	21.35	22.50
HIGH			64QAM	21.30	21.35	21.28	22.50	
8		LOW	64QAM	20.17	20.37	20.34	21.50	
		MID	64QAM	20.40	20.06	20.27	21.50	
		HIGH	64QAM	20.10	20.32	20.28	21.50	
15		LOW	64QAM	19.89	20.18	20.17	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.37	22.14	22.08	23.50
	MID		QPSK	22.04	22.18	22.12	23.50	
	HIGH		QPSK	21.95	22.06	22.24	23.50	
	12	LOW	QPSK	22.16	22.07	22.01	23.50	
		MID	QPSK	22.26	22.27	22.23	23.50	
		HIGH	QPSK	22.17	22.31	22.27	23.50	
	25	LOW	QPSK	22.09	22.13	22.23	23.50	
	5	1	LOW	Q16	22.49	22.70	22.25	23.50
			MID	Q16	22.55	22.62	22.36	23.50
HIGH			Q16	22.49	22.58	22.27	23.50	
12		LOW	Q16	21.36	21.25	21.07	22.50	
		MID	Q16	21.17	21.29	21.42	22.50	
		HIGH	Q16	21.23	21.25	21.42	22.50	
25		LOW	Q16	21.05	21.06	21.21	22.50	
5		1	LOW	64QAM	21.58	21.35	21.40	22.50
			MID	64QAM	21.47	21.44	21.29	22.50
	HIGH		64QAM	21.53	21.51	21.36	22.50	
	12	LOW	64QAM	20.21	20.26	20.30	21.50	
		MID	64QAM	20.34	20.27	20.55	21.50	
		HIGH	64QAM	20.04	20.42	20.37	21.50	
	25	LOW	64QAM	20.00	20.11	20.16	21.50	

LTE B66-DSI2&3 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	22.12	22.27	21.98	23.50	
		MID	QPSK	22.17	22.04	22.26	23.50	
		HIGH	QPSK	22.17	22.15	22.08	23.50	
	25	LOW	QPSK	22.39	22.09	22.24	23.50	
		MID	QPSK	22.15	22.23	22.38	23.50	
		HIGH	QPSK	22.22	22.26	22.17	23.50	
	50	LOW	QPSK	22.02	22.13	22.24	23.50	
	10	1	LOW	Q16	22.51	22.42	22.20	23.50
			MID	Q16	22.51	22.71	22.24	23.50
HIGH			Q16	22.25	22.52	22.25	23.50	
25		LOW	Q16	21.33	21.13	21.29	22.50	
		MID	Q16	21.22	21.18	21.40	22.50	
		HIGH	Q16	21.02	21.16	21.40	22.50	
50		LOW	Q16	21.15	21.07	21.41	22.50	
10		1	LOW	64QAM	21.33	21.50	21.57	22.50
			MID	64QAM	21.53	21.52	21.41	22.50
	HIGH		64QAM	21.25	21.48	21.40	22.50	
	25	LOW	64QAM	20.17	20.27	20.15	21.50	
		MID	64QAM	20.21	20.27	20.35	21.50	
		HIGH	64QAM	19.84	20.27	20.24	21.50	
	50	LOW	64QAM	19.82	20.17	20.29	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	22.20	22.21	22.08	23.50
MID			QPSK	22.06	21.99	22.17	23.50	
HIGH			QPSK	22.02	22.08	22.30	23.50	
36		LOW	QPSK	22.22	22.30	22.24	23.50	
		MID	QPSK	22.01	22.30	22.32	23.50	
		HIGH	QPSK	21.97	22.39	22.25	23.50	
75		LOW	QPSK	21.98	22.11	22.14	23.50	
15		1	LOW	Q16	22.60	22.53	22.45	23.50
			MID	Q16	22.38	22.41	22.31	23.50
	HIGH		Q16	22.48	22.63	22.23	23.50	
	36	LOW	Q16	21.27	21.34	21.17	22.50	
		MID	Q16	21.28	21.30	21.13	22.50	
		HIGH	Q16	21.04	21.26	21.41	22.50	
	75	LOW	Q16	20.97	21.21	21.38	22.50	
	15	1	LOW	64QAM	21.55	21.52	21.37	22.50
			MID	64QAM	21.48	21.55	21.30	22.50
HIGH			64QAM	21.41	21.41	21.37	22.50	
36		LOW	64QAM	20.39	20.34	20.11	21.50	
		MID	64QAM	20.15	19.99	20.53	21.50	
		HIGH	64QAM	19.85	20.54	20.35	21.50	
75		LOW	64QAM	19.81	19.99	20.15	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	22.22	22.19	22.10	23.50
	MID		QPSK	22.16	22.13	22.20	23.50	
	HIGH		QPSK	22.09	22.23	22.19	23.50	
	50	LOW	QPSK	22.26	22.22	22.15	23.50	
		MID	QPSK	22.16	22.20	22.27	23.50	
		HIGH	QPSK	22.10	22.27	22.27	23.50	
	100	LOW	QPSK	22.09	22.26	22.25	23.50	
	20	1	LOW	Q16	22.53	22.55	22.35	23.50
			MID	Q16	22.52	22.56	22.35	23.50
HIGH			Q16	22.36	22.61	22.32	23.50	
50		LOW	Q16	21.22	21.20	21.18	22.50	
		MID	Q16	21.15	21.24	21.28	22.50	
		HIGH	Q16	21.10	21.29	21.27	22.50	
100		LOW	Q16	21.09	21.20	21.26	22.50	
20		1	LOW	64QAM	21.47	21.46	21.42	22.50
			MID	64QAM	21.57	21.46	21.32	22.50
	HIGH		64QAM	21.39	21.50	21.33	22.50	
	50	LOW	64QAM	20.27	20.31	20.21	21.50	
		MID	64QAM	20.29	20.12	20.42	21.50	
		HIGH	64QAM	19.95	20.40	20.37	21.50	
	100	LOW	64QAM	19.96	20.12	20.30	21.50	

LTE B66-DSI4 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.90	22.76	22.91	24.50	
		MID	QPSK	22.69	22.57	22.55	24.50	
		HIGH	QPSK	22.60	22.57	22.55	24.50	
	3	LOW	QPSK	22.97	22.63	22.61	24.50	
		MID	QPSK	22.92	22.62	22.59	24.50	
		HIGH	QPSK	22.63	22.71	22.52	24.50	
	6	LOW	QPSK	21.84	21.54	21.69	23.50	
	1.4	1	LOW	Q16	22.31	22.10	21.78	23.50
			MID	Q16	22.20	22.00	21.75	23.50
HIGH			Q16	21.94	21.94	21.75	23.50	
3		LOW	Q16	22.30	21.70	21.81	23.50	
		MID	Q16	21.99	22.07	21.89	23.50	
		HIGH	Q16	21.98	21.99	21.89	23.50	
6		LOW	Q16	20.83	20.69	20.53	22.50	
1.4		1	LOW	64QAM	21.35	21.21	20.91	22.50
			MID	64QAM	21.23	21.13	20.74	22.50
	HIGH		64QAM	20.97	20.96	20.75	22.50	
	3	LOW	64QAM	21.30	20.55	20.69	22.50	
		MID	64QAM	21.08	20.99	20.99	22.50	
		HIGH	64QAM	20.91	20.97	20.81	22.50	
	6	LOW	64QAM	19.76	19.72	19.67	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.79	22.61	22.63	24.50
MID			QPSK	22.65	22.61	22.55	24.50	
HIGH			QPSK	22.74	22.57	22.64	24.50	
8		LOW	QPSK	21.93	21.72	21.83	23.50	
		MID	QPSK	21.71	21.77	21.59	23.50	
		HIGH	QPSK	21.79	21.80	21.69	23.50	
15		LOW	QPSK	21.60	21.52	21.60	23.50	
3		1	LOW	Q16	22.35	21.96	21.64	23.50
			MID	Q16	22.10	22.05	21.86	23.50
	HIGH		Q16	21.97	22.09	21.82	23.50	
	8	LOW	Q16	20.98	20.54	20.88	22.50	
		MID	Q16	20.78	20.63	20.67	22.50	
		HIGH	Q16	20.80	20.69	20.67	22.50	
	15	LOW	Q16	20.71	20.82	20.71	22.50	
	3	1	LOW	64QAM	21.41	21.05	20.66	22.50
			MID	64QAM	21.04	21.22	20.86	22.50
HIGH			64QAM	20.77	20.93	20.77	22.50	
8		LOW	64QAM	19.87	19.53	19.50	21.50	
		MID	64QAM	19.68	19.72	19.71	21.50	
		HIGH	64QAM	19.64	19.63	19.77	21.50	
15		LOW	64QAM	19.67	19.73	19.67	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.86	22.67	22.90	24.50
	MID		QPSK	22.89	22.67	22.62	24.50	
	HIGH		QPSK	22.75	22.52	22.64	24.50	
	12	LOW	QPSK	22.01	21.72	21.84	23.50	
		MID	QPSK	21.80	21.54	21.59	23.50	
		HIGH	QPSK	21.72	21.76	21.74	23.50	
	25	LOW	QPSK	21.77	21.78	21.70	23.50	
	5	1	LOW	Q16	22.36	22.03	21.61	23.50
			MID	Q16	22.14	21.98	21.72	23.50
HIGH			Q16	21.97	22.16	21.87	23.50	
12		LOW	Q16	20.74	20.59	20.74	22.50	
		MID	Q16	20.89	20.74	20.68	22.50	
		HIGH	Q16	20.54	20.56	20.63	22.50	
25		LOW	Q16	20.81	20.82	20.60	22.50	
5		1	LOW	64QAM	21.19	20.94	20.61	22.50
			MID	64QAM	21.11	20.99	20.68	22.50
	HIGH		64QAM	20.77	20.90	20.97	22.50	
	12	LOW	64QAM	19.93	19.60	19.69	21.50	
		MID	64QAM	19.76	19.94	19.57	21.50	
		HIGH	64QAM	19.73	19.54	19.52	21.50	
	25	LOW	64QAM	19.86	19.70	19.58	21.50	

LTE B66-DSI4 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	22.92	22.72	22.84	24.50	
		MID	QPSK	22.70	22.72	22.60	24.50	
		HIGH	QPSK	22.67	22.50	22.51	24.50	
	25	LOW	QPSK	21.82	21.75	21.68	23.50	
		MID	QPSK	21.72	21.63	21.52	23.50	
		HIGH	QPSK	21.61	21.55	21.62	23.50	
	50	LOW	QPSK	21.79	21.51	21.67	23.50	
	10	1	LOW	Q16	22.40	22.04	21.72	23.50
			MID	Q16	22.09	22.20	21.94	23.50
HIGH			Q16	21.84	21.89	21.73	23.50	
25		LOW	Q16	20.78	20.50	20.89	22.50	
		MID	Q16	20.69	20.70	20.50	22.50	
		HIGH	Q16	20.79	20.73	20.68	22.50	
50		LOW	Q16	20.81	20.77	20.66	22.50	
10		1	LOW	64QAM	21.36	20.96	20.53	22.50
			MID	64QAM	21.05	21.23	20.73	22.50
	HIGH		64QAM	20.62	21.00	20.95	22.50	
	25	LOW	64QAM	19.87	19.51	19.59	21.50	
		MID	64QAM	19.95	19.65	19.67	21.50	
		HIGH	64QAM	19.70	19.63	19.62	21.50	
	50	LOW	64QAM	19.72	19.84	19.52	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	23.05	22.59	22.69	24.50
MID			QPSK	22.82	22.67	22.60	24.50	
HIGH			QPSK	22.72	22.51	22.55	24.50	
36		LOW	QPSK	21.80	21.67	21.90	23.50	
		MID	QPSK	21.76	21.60	21.68	23.50	
		HIGH	QPSK	21.55	21.73	21.58	23.50	
75		LOW	QPSK	21.87	21.74	21.64	23.50	
15		1	LOW	Q16	22.23	22.09	21.80	23.50
			MID	Q16	21.99	22.04	21.76	23.50
	HIGH		Q16	21.81	22.09	21.72	23.50	
	36	LOW	Q16	20.80	20.65	20.75	22.50	
		MID	Q16	20.76	20.68	20.69	22.50	
		HIGH	Q16	20.75	20.63	20.68	22.50	
	75	LOW	Q16	20.69	20.80	20.55	22.50	
	15	1	LOW	64QAM	21.18	21.15	20.60	22.50
			MID	64QAM	21.03	21.03	20.94	22.50
HIGH			64QAM	20.86	20.90	20.85	22.50	
36		LOW	64QAM	19.77	19.66	19.56	21.50	
		MID	64QAM	19.89	19.81	19.75	21.50	
		HIGH	64QAM	19.68	19.53	19.67	21.50	
75		LOW	64QAM	19.64	19.80	19.62	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	22.70	22.94	22.76	24.50
	MID		QPSK	22.62	22.80	22.52	24.50	
	HIGH		QPSK	22.62	22.69	22.50	24.50	
	50	LOW	QPSK	21.70	21.92	21.78	23.50	
		MID	QPSK	21.66	21.78	21.56	23.50	
		HIGH	QPSK	21.65	21.68	21.59	23.50	
	100	LOW	QPSK	21.64	21.73	21.59	23.50	
	20	1	LOW	Q16	22.34	21.97	21.69	23.50
			MID	Q16	22.08	22.12	21.80	23.50
HIGH			Q16	21.87	22.02	21.79	23.50	
50		LOW	Q16	20.87	20.64	20.77	22.50	
		MID	Q16	20.79	20.66	20.63	22.50	
		HIGH	Q16	20.66	20.66	20.60	22.50	
100		LOW	Q16	20.72	20.67	20.60	22.50	
20		1	LOW	64QAM	21.31	21.00	20.63	22.50
			MID	64QAM	21.18	21.13	20.80	22.50
	HIGH		64QAM	20.75	20.90	20.89	22.50	
	50	LOW	64QAM	19.90	19.59	19.62	21.50	
		MID	64QAM	19.83	19.79	19.61	21.50	
		HIGH	64QAM	19.60	19.57	19.62	21.50	
	100	LOW	64QAM	19.74	19.82	19.60	21.50	

LTE B66-DSI5 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.75	21.67	21.73	23.00	
		MID	QPSK	21.57	21.56	21.83	23.00	
		HIGH	QPSK	21.67	21.82	21.80	23.00	
	3	LOW	QPSK	21.59	21.78	21.72	23.00	
		MID	QPSK	21.60	21.57	21.58	23.00	
		HIGH	QPSK	21.66	21.65	21.73	23.00	
	6	LOW	QPSK	21.70	21.69	21.80	23.00	
	1.4	1	LOW	Q16	22.08	22.29	21.93	23.00
			MID	Q16	21.92	22.04	22.03	23.00
HIGH			Q16	21.98	22.09	21.86	23.00	
3		LOW	Q16	21.94	21.77	21.84	23.00	
		MID	Q16	21.99	22.08	22.21	23.00	
		HIGH	Q16	22.00	22.10	21.93	23.00	
6		LOW	Q16	21.14	21.06	21.21	22.50	
1.4		1	LOW	64QAM	21.63	21.81	21.40	22.50
			MID	64QAM	21.53	21.68	21.55	22.50
	HIGH		64QAM	21.57	21.66	21.47	22.50	
	3	LOW	64QAM	21.43	21.16	21.19	22.50	
		MID	64QAM	21.36	21.46	21.62	22.50	
		HIGH	64QAM	21.40	21.71	21.54	22.50	
	6	LOW	64QAM	20.02	20.14	20.24	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	21.83	21.58	21.46	23.00
MID			QPSK	21.78	21.51	21.60	23.00	
HIGH			QPSK	21.55	21.81	21.67	23.00	
8		LOW	QPSK	21.83	21.56	21.78	23.00	
		MID	QPSK	21.49	21.69	21.73	23.00	
		HIGH	QPSK	21.49	21.82	21.71	23.00	
15		LOW	QPSK	21.44	21.64	21.73	23.00	
3		1	LOW	Q16	22.00	22.15	21.85	23.00
			MID	Q16	22.00	22.00	22.05	23.00
	HIGH		Q16	21.83	22.19	21.92	23.00	
	8	LOW	Q16	21.09	21.17	21.13	22.50	
		MID	Q16	21.25	21.26	21.37	22.50	
		HIGH	Q16	20.97	21.27	21.17	22.50	
	15	LOW	Q16	21.16	21.14	21.38	22.50	
	3	1	LOW	64QAM	21.49	21.49	21.13	22.50
			MID	64QAM	21.40	21.47	21.77	22.50
HIGH			64QAM	21.19	21.49	21.42	22.50	
8		LOW	64QAM	20.19	20.13	20.18	21.50	
		MID	64QAM	20.07	20.36	20.19	21.50	
		HIGH	64QAM	20.17	20.23	20.38	21.50	
15		LOW	64QAM	20.07	20.34	20.05	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	21.89	21.68	21.73	23.00
	MID		QPSK	21.62	21.65	21.57	23.00	
	HIGH		QPSK	21.71	21.71	21.56	23.00	
	12	LOW	QPSK	21.68	21.62	21.53	23.00	
		MID	QPSK	21.56	21.85	21.71	23.00	
		HIGH	QPSK	21.44	21.77	21.75	23.00	
	25	LOW	QPSK	21.61	21.72	21.83	23.00	
	5	1	LOW	Q16	22.09	22.14	21.92	23.00
			MID	Q16	21.93	21.97	22.17	23.00
HIGH			Q16	22.01	22.16	22.09	23.00	
12		LOW	Q16	21.35	21.10	21.19	22.50	
		MID	Q16	21.02	21.31	21.24	22.50	
		HIGH	Q16	20.97	21.29	21.32	22.50	
25		LOW	Q16	21.14	21.31	21.20	22.50	
5		1	LOW	64QAM	21.59	21.44	21.37	22.50
			MID	64QAM	21.43	21.58	21.65	22.50
	HIGH		64QAM	21.27	21.49	21.46	22.50	
	12	LOW	64QAM	20.13	20.05	20.25	21.50	
		MID	64QAM	20.00	20.40	20.19	21.50	
		HIGH	64QAM	20.28	20.26	20.29	21.50	
	25	LOW	64QAM	20.07	20.40	20.14	21.50	



LTE B66-DSI5 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	21.84	21.65	21.60	23.00	
		MID	QPSK	21.64	21.78	21.72	23.00	
		HIGH	QPSK	21.62	21.59	21.77	23.00	
	25	LOW	QPSK	21.66	21.74	21.73	23.00	
		MID	QPSK	21.67	21.77	21.76	23.00	
		HIGH	QPSK	21.58	21.74	21.65	23.00	
	50	LOW	QPSK	21.71	21.81	21.58	23.00	
	10	1	LOW	Q16	21.81	22.10	21.71	23.00
			MID	Q16	21.99	22.10	22.15	23.00
HIGH			Q16	21.95	22.14	21.96	23.00	
25		LOW	Q16	21.21	21.07	21.03	22.50	
		MID	Q16	21.14	21.22	21.14	22.50	
		HIGH	Q16	21.26	21.17	21.13	22.50	
50		LOW	Q16	21.07	21.21	21.25	22.50	
10		1	LOW	64QAM	21.44	21.58	21.21	22.50
			MID	64QAM	21.34	21.53	21.75	22.50
	HIGH		64QAM	21.20	21.56	21.45	22.50	
	25	LOW	64QAM	20.37	20.04	20.29	21.50	
		MID	64QAM	20.14	20.44	20.27	21.50	
		HIGH	64QAM	20.26	20.19	20.30	21.50	
	50	LOW	64QAM	20.11	20.33	20.17	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	21.81	21.78	21.76	23.00
MID			QPSK	21.80	21.67	21.53	23.00	
HIGH			QPSK	21.54	21.62	21.65	23.00	
36		LOW	QPSK	21.85	21.54	21.78	23.00	
		MID	QPSK	21.73	21.74	21.81	23.00	
		HIGH	QPSK	21.45	21.69	21.76	23.00	
75		LOW	QPSK	21.44	21.66	21.71	23.00	
15		1	LOW	Q16	22.03	22.14	21.70	23.00
			MID	Q16	21.86	22.16	21.96	23.00
	HIGH		Q16	21.94	22.08	22.04	23.00	
	36	LOW	Q16	21.37	21.32	21.20	22.50	
		MID	Q16	21.10	21.23	21.33	22.50	
		HIGH	Q16	21.21	21.34	21.30	22.50	
	75	LOW	Q16	21.04	21.16	21.08	22.50	
	15	1	LOW	64QAM	21.56	21.43	21.35	22.50
			MID	64QAM	21.18	21.52	21.75	22.50
HIGH			64QAM	21.38	21.40	21.39	22.50	
36		LOW	64QAM	20.08	20.02	20.14	21.50	
		MID	64QAM	20.05	20.38	20.44	21.50	
		HIGH	64QAM	20.13	20.21	20.43	21.50	
75		LOW	64QAM	20.23	20.39	20.10	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	21.74	21.66	21.61	23.00
	MID		QPSK	21.69	21.64	21.68	23.00	
	HIGH		QPSK	21.61	21.74	21.70	23.00	
	50	LOW	QPSK	21.75	21.68	21.64	23.00	
		MID	QPSK	21.60	21.75	21.77	23.00	
		HIGH	QPSK	21.58	21.70	21.77	23.00	
	100	LOW	QPSK	21.59	21.73	21.73	23.00	
	20	1	LOW	Q16	21.95	22.17	21.81	23.00
			MID	Q16	21.92	22.02	22.07	23.00
HIGH			Q16	21.92	22.15	22.01	23.00	
50		LOW	Q16	21.23	21.18	21.14	22.50	
		MID	Q16	21.17	21.20	21.28	22.50	
		HIGH	Q16	21.11	21.19	21.25	22.50	
100		LOW	Q16	21.13	21.21	21.23	22.50	
20		1	LOW	64QAM	21.53	21.52	21.27	22.50
			MID	64QAM	21.31	21.59	21.68	22.50
	HIGH		64QAM	21.34	21.54	21.52	22.50	
	50	LOW	64QAM	20.22	20.12	20.29	21.50	
		MID	64QAM	20.10	20.34	20.34	21.50	
		HIGH	64QAM	20.15	20.25	20.32	21.50	
	100	LOW	64QAM	20.17	20.25	20.20	21.50	

LTE B66-DSI8&9&10 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	21.25	21.15	21.15	22.50	
		MID	QPSK	21.04	21.31	21.17	22.50	
		HIGH	QPSK	21.21	21.33	21.28	22.50	
	3	LOW	QPSK	21.36	21.21	21.24	22.50	
		MID	QPSK	21.22	21.25	21.27	22.50	
		HIGH	QPSK	21.13	21.38	21.18	22.50	
	6	LOW	QPSK	21.31	21.22	21.36	22.50	
	1.4	1	LOW	Q16	21.57	21.68	21.25	22.50
			MID	Q16	21.48	21.60	21.26	22.50
HIGH			Q16	21.45	21.48	21.24	22.50	
3		LOW	Q16	21.47	21.20	21.26	22.50	
		MID	Q16	21.54	21.66	21.53	22.50	
		HIGH	Q16	21.56	21.57	21.46	22.50	
6		LOW	Q16	21.24	21.27	21.25	22.50	
1.4		1	LOW	64QAM	21.46	21.81	21.15	22.50
			MID	64QAM	21.43	21.66	21.18	22.50
	HIGH		64QAM	21.47	21.37	21.29	22.50	
	3	LOW	64QAM	21.38	21.25	21.18	22.50	
		MID	64QAM	21.43	21.80	21.44	22.50	
		HIGH	64QAM	21.65	21.71	21.43	22.50	
	6	LOW	64QAM	20.24	20.21	20.19	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	21.33	21.27	21.10	22.50
MID			QPSK	21.32	21.22	21.20	22.50	
HIGH			QPSK	21.17	21.25	21.36	22.50	
8		LOW	QPSK	21.31	21.18	21.34	22.50	
		MID	QPSK	21.29	21.14	21.21	22.50	
		HIGH	QPSK	21.20	21.32	21.41	22.50	
15		LOW	QPSK	21.19	21.17	21.35	22.50	
3		1	LOW	Q16	21.46	21.47	21.35	22.50
			MID	Q16	21.45	21.41	21.51	22.50
	HIGH		Q16	21.44	21.47	21.40	22.50	
	8	LOW	Q16	21.21	21.26	21.21	22.50	
		MID	Q16	21.09	21.16	21.24	22.50	
		HIGH	Q16	21.18	21.33	21.28	22.50	
	15	LOW	Q16	20.99	21.16	21.44	22.50	
	3	1	LOW	64QAM	21.56	21.41	21.19	22.50
			MID	64QAM	21.42	21.23	21.36	22.50
HIGH			64QAM	21.42	21.79	21.13	22.50	
8		LOW	64QAM	20.30	20.12	19.93	21.50	
		MID	64QAM	20.42	20.50	20.36	21.50	
		HIGH	64QAM	20.16	20.40	20.32	21.50	
15		LOW	64QAM	20.02	20.12	20.28	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	21.43	21.39	21.06	22.50
	MID		QPSK	21.29	21.14	21.10	22.50	
	HIGH		QPSK	21.13	21.35	21.35	22.50	
	12	LOW	QPSK	21.24	21.21	21.33	22.50	
		MID	QPSK	21.26	21.18	21.21	22.50	
		HIGH	QPSK	21.00	21.24	21.25	22.50	
	25	LOW	QPSK	21.13	21.33	21.36	22.50	
	5	1	LOW	Q16	21.55	21.45	21.24	22.50
			MID	Q16	21.38	21.60	21.40	22.50
HIGH			Q16	21.39	21.54	21.28	22.50	
12		LOW	Q16	21.20	21.16	21.19	22.50	
		MID	Q16	21.18	21.17	21.34	22.50	
		HIGH	Q16	21.21	21.28	21.24	22.50	
25		LOW	Q16	21.15	21.18	21.14	22.50	
5		1	LOW	64QAM	21.38	21.46	21.45	22.50
			MID	64QAM	21.44	21.42	21.24	22.50
	HIGH		64QAM	21.29	21.71	21.04	22.50	
	12	LOW	64QAM	20.17	20.08	20.06	21.50	
		MID	64QAM	20.29	20.33	20.41	21.50	
		HIGH	64QAM	20.38	20.38	20.22	21.50	
	25	LOW	64QAM	20.22	20.07	20.24	21.50	

LTE B66-DS18&9&10 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	21.35	21.10	21.23	22.50	
		MID	QPSK	21.18	21.12	21.36	22.50	
		HIGH	QPSK	21.10	21.25	21.28	22.50	
	25	LOW	QPSK	21.41	21.24	21.24	22.50	
		MID	QPSK	21.17	21.37	21.40	22.50	
		HIGH	QPSK	20.96	21.12	21.32	22.50	
	50	LOW	QPSK	21.19	21.12	21.39	22.50	
	10	1	LOW	Q16	21.49	21.42	21.36	22.50
			MID	Q16	21.39	21.56	21.35	22.50
HIGH			Q16	21.38	21.67	21.41	22.50	
25		LOW	Q16	21.09	21.26	21.13	22.50	
		MID	Q16	21.20	21.14	21.26	22.50	
		HIGH	Q16	21.03	21.24	21.32	22.50	
50		LOW	Q16	21.18	21.17	21.41	22.50	
10		1	LOW	64QAM	21.36	21.47	21.20	22.50
			MID	64QAM	21.41	21.28	21.44	22.50
	HIGH		64QAM	21.39	21.69	21.29	22.50	
	25	LOW	64QAM	20.27	20.23	19.91	21.50	
		MID	64QAM	20.25	20.26	20.49	21.50	
		HIGH	64QAM	20.13	20.26	20.33	21.50	
	50	LOW	64QAM	19.96	20.00	20.33	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	21.45	21.30	21.17	22.50
MID			QPSK	21.11	21.23	21.27	22.50	
HIGH			QPSK	21.10	21.23	21.28	22.50	
36		LOW	QPSK	21.19	21.28	21.34	22.50	
		MID	QPSK	21.12	21.14	21.23	22.50	
		HIGH	QPSK	21.07	21.23	21.39	22.50	
75		LOW	QPSK	21.06	21.22	21.26	22.50	
15		1	LOW	Q16	21.58	21.55	21.32	22.50
			MID	Q16	21.61	21.34	21.45	22.50
	HIGH		Q16	21.47	21.74	21.28	22.50	
	36	LOW	Q16	21.11	21.18	21.24	22.50	
		MID	Q16	21.13	21.24	21.34	22.50	
		HIGH	Q16	21.07	21.08	21.16	22.50	
	75	LOW	Q16	21.13	21.18	21.37	22.50	
	15	1	LOW	64QAM	21.61	21.40	21.48	22.50
			MID	64QAM	21.48	21.37	21.19	22.50
HIGH			64QAM	21.38	21.53	21.12	22.50	
36		LOW	64QAM	20.38	20.03	20.10	21.50	
		MID	64QAM	20.43	20.42	20.35	21.50	
		HIGH	64QAM	20.24	20.34	20.14	21.50	
75		LOW	64QAM	20.16	19.96	20.15	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	21.24	21.30	21.09	22.50
	MID		QPSK	21.17	21.19	21.23	22.50	
	HIGH		QPSK	21.27	21.15	21.23	22.50	
	50	LOW	QPSK	21.24	21.30	21.19	22.50	
		MID	QPSK	21.28	21.15	21.30	22.50	
		HIGH	QPSK	21.23	21.07	21.30	22.50	
	100	LOW	QPSK	21.23	21.16	21.30	22.50	
	20	1	LOW	Q16	21.54	21.53	21.30	22.50
			MID	Q16	21.53	21.46	21.38	22.50
HIGH			Q16	21.44	21.59	21.33	22.50	
50		LOW	Q16	21.23	21.20	21.14	22.50	
		MID	Q16	21.16	21.27	21.29	22.50	
		HIGH	Q16	21.11	21.22	21.28	22.50	
100		LOW	Q16	21.11	21.22	21.29	22.50	
20		1	LOW	64QAM	21.51	21.54	21.33	22.50
			MID	64QAM	21.53	21.36	21.32	22.50
	HIGH		64QAM	21.44	21.66	21.19	22.50	
	50	LOW	64QAM	20.32	20.11	20.04	21.50	
		MID	64QAM	20.29	20.41	20.40	21.50	
		HIGH	64QAM	20.24	20.37	20.21	21.50	
	100	LOW	64QAM	20.10	20.11	20.27	21.50	

## 8.3.11 LTE Band2 Output Power

LTE B66-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.86	22.80	22.80	24.50	
		MID	QPSK	22.66	23.05	22.78	24.50	
		HIGH	QPSK	23.02	23.04	22.97	24.50	
	3	LOW	QPSK	23.00	23.03	22.73	24.50	
		MID	QPSK	22.77	22.81	22.79	24.50	
		HIGH	QPSK	23.05	22.79	22.89	24.50	
	6	LOW	QPSK	21.73	21.88	22.01	23.50	
	1.4	1	LOW	Q16	22.15	21.99	21.88	23.50
			MID	Q16	21.86	22.02	22.20	23.50
HIGH			Q16	22.15	22.17	21.84	23.50	
3		LOW	Q16	22.29	22.03	21.91	23.50	
		MID	Q16	22.03	21.81	22.26	23.50	
		HIGH	Q16	22.12	22.11	22.01	23.50	
6		LOW	Q16	21.00	20.97	21.16	22.50	
1.4		1	LOW	64QAM	20.90	20.64	20.83	22.50
			MID	64QAM	20.86	21.02	20.84	22.50
	HIGH		64QAM	20.69	20.78	20.57	22.50	
	3	LOW	64QAM	20.77	20.82	20.67	22.50	
		MID	64QAM	20.76	20.84	21.00	22.50	
		HIGH	64QAM	20.70	20.71	20.74	22.50	
	6	LOW	64QAM	20.00	20.09	20.04	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.98	22.83	22.94	24.50
MID			QPSK	22.90	22.91	22.77	24.50	
HIGH			QPSK	23.07	22.87	22.92	24.50	
8		LOW	QPSK	22.05	21.98	21.88	23.50	
		MID	QPSK	22.10	21.91	22.16	23.50	
		HIGH	QPSK	22.09	21.89	21.78	23.50	
15		LOW	QPSK	21.76	21.97	22.16	23.50	
3		1	LOW	Q16	22.30	21.94	21.89	23.50
			MID	Q16	21.92	21.89	22.12	23.50
	HIGH		Q16	22.11	22.28	22.07	23.50	
	8	LOW	Q16	21.04	20.91	20.72	22.50	
		MID	Q16	20.71	20.94	20.77	22.50	
		HIGH	Q16	20.84	20.76	21.02	22.50	
	15	LOW	Q16	20.90	21.12	21.23	22.50	
	3	1	LOW	64QAM	20.89	20.64	20.81	22.50
			MID	64QAM	20.90	21.04	20.78	22.50
HIGH			64QAM	20.66	20.66	20.55	22.50	
8		LOW	64QAM	19.95	19.92	19.65	21.50	
		MID	64QAM	19.83	20.01	19.80	21.50	
		HIGH	64QAM	19.98	19.89	19.91	21.50	
15		LOW	64QAM	20.10	20.16	20.07	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.77	22.88	22.89	24.50
	MID		QPSK	22.92	22.83	22.97	24.50	
	HIGH		QPSK	23.00	22.84	22.88	24.50	
	12	LOW	QPSK	22.15	21.93	21.92	23.50	
		MID	QPSK	22.27	21.96	22.15	23.50	
		HIGH	QPSK	22.16	22.01	21.87	23.50	
	25	LOW	QPSK	21.78	21.84	22.22	23.50	
	5	1	LOW	Q16	22.25	21.94	21.88	23.50
			MID	Q16	21.88	21.90	22.06	23.50
HIGH			Q16	22.05	22.26	21.80	23.50	
12		LOW	Q16	20.93	20.83	20.78	22.50	
		MID	Q16	20.88	20.93	20.90	22.50	
		HIGH	Q16	20.69	21.00	20.91	22.50	
25		LOW	Q16	20.87	21.08	21.11	22.50	
5		1	LOW	64QAM	20.95	20.75	20.73	22.50
			MID	64QAM	20.75	20.84	20.91	22.50
	HIGH		64QAM	20.82	20.61	20.54	22.50	
	12	LOW	64QAM	20.06	19.85	19.68	21.50	
		MID	64QAM	19.71	19.83	19.94	21.50	
		HIGH	64QAM	19.92	19.70	19.88	21.50	
	25	LOW	64QAM	20.12	20.16	20.25	21.50	

LTE B66-Full Power -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	22.94	23.05	22.82	24.50		
		MID	QPSK	22.69	22.94	22.71	24.50		
		HIGH	QPSK	22.88	22.86	22.98	24.50		
	25	LOW	QPSK	22.11	22.10	22.11	23.50		
		MID	QPSK	22.10	21.93	21.94	23.50		
		HIGH	QPSK	22.06	22.12	21.98	23.50		
	50	LOW	QPSK	21.90	21.76	22.05	23.50		
	10	1	LOW	Q16	22.20	22.19	21.83	23.50	
			MID	Q16	21.86	21.99	22.11	23.50	
HIGH			Q16	22.14	22.13	21.92	23.50		
25		LOW	Q16	20.80	20.88	20.69	22.50		
		MID	Q16	20.93	20.68	20.89	22.50		
		HIGH	Q16	20.58	20.93	20.87	22.50		
50		LOW	Q16	20.92	21.08	21.15	22.50		
10		1	LOW	64QAM	20.84	20.88	20.80	22.50	
			MID	64QAM	20.91	20.79	20.96	22.50	
	HIGH		64QAM	20.75	20.56	20.78	22.50		
	25	LOW	64QAM	19.90	19.99	19.92	21.50		
		MID	64QAM	19.96	20.00	19.90	21.50		
		HIGH	64QAM	19.97	19.87	19.83	21.50		
	50	LOW	64QAM	20.12	20.14	20.05	21.50		
	15	15	1	LOW	QPSK	23.00	22.75	22.91	24.50
				MID	QPSK	22.93	23.08	22.85	24.50
HIGH				QPSK	23.01	23.05	22.88	24.50	
36			LOW	QPSK	22.05	22.02	22.03	23.50	
			MID	QPSK	22.16	21.90	22.04	23.50	
			HIGH	QPSK	21.93	22.16	22.03	23.50	
75			LOW	QPSK	21.78	22.05	22.19	23.50	
15			1	LOW	Q16	22.26	22.13	21.97	23.50
				MID	Q16	21.88	21.92	22.10	23.50
		HIGH		Q16	22.01	22.13	21.84	23.50	
		36	LOW	Q16	20.84	20.97	20.74	22.50	
			MID	Q16	20.90	20.68	21.01	22.50	
			HIGH	Q16	20.69	20.97	20.96	22.50	
		75	LOW	Q16	21.01	20.97	21.20	22.50	
		15	1	LOW	64QAM	20.98	20.76	20.73	22.50
				MID	64QAM	20.79	20.87	21.00	22.50
HIGH				64QAM	20.75	20.56	20.54	22.50	
36			LOW	64QAM	19.80	19.88	19.63	21.50	
	MID		64QAM	19.66	19.90	19.81	21.50		
	HIGH		64QAM	19.93	19.68	19.81	21.50		
75	LOW		64QAM	20.12	19.98	20.10	21.50		
20	20		1	LOW	QPSK	22.87	22.90	22.84	24.50
				MID	QPSK	22.81	22.93	22.82	24.50
		HIGH		QPSK	22.96	22.93	22.84	24.50	
		50	LOW	QPSK	22.13	21.96	22.03	23.50	
			MID	QPSK	22.14	21.86	22.08	23.50	
			HIGH	QPSK	22.04	22.02	21.93	23.50	
		100	LOW	QPSK	21.77	21.90	22.10	23.50	
		20	1	LOW	Q16	22.25	22.08	21.97	23.50
				MID	Q16	22.00	21.94	22.19	23.50
	HIGH			Q16	22.03	22.21	21.93	23.50	
	50		LOW	Q16	20.89	20.91	20.77	22.50	
			MID	Q16	20.82	20.79	20.89	22.50	
			HIGH	Q16	20.71	20.91	21.01	22.50	
	100		LOW	Q16	20.94	21.06	21.11	22.50	
	20		1	LOW	64QAM	20.90	20.78	20.75	22.50
				MID	64QAM	20.80	20.94	20.90	22.50
		HIGH		64QAM	20.77	20.61	20.69	22.50	
		50	LOW	64QAM	19.93	19.93	19.77	21.50	
MID			64QAM	19.81	19.89	19.89	21.50		
HIGH			64QAM	19.89	19.77	19.87	21.50		
100		LOW	64QAM	20.13	20.12	20.10	21.50		

LTE B66-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.20	20.43	20.43	21.00	
		MID	QPSK	20.32	20.35	20.20	21.00	
		HIGH	QPSK	20.03	20.21	20.14	21.00	
	3	LOW	QPSK	20.15	20.22	20.22	21.00	
		MID	QPSK	20.24	20.11	20.25	21.00	
		HIGH	QPSK	19.99	20.26	20.16	21.00	
	6	LOW	QPSK	20.07	20.12	20.23	21.00	
	1.4	1	LOW	Q16	20.41	20.34	20.43	21.00
			MID	Q16	20.42	20.34	20.22	21.00
HIGH			Q16	20.13	20.00	19.92	21.00	
3		LOW	Q16	20.31	20.04	20.21	21.00	
		MID	Q16	20.17	20.18	20.22	21.00	
		HIGH	Q16	19.94	20.04	20.05	21.00	
6		LOW	Q16	20.14	20.18	20.19	21.00	
1.4		1	LOW	64QAM	20.12	19.96	19.95	21.00
			MID	64QAM	19.82	19.98	20.23	21.00
	HIGH		64QAM	20.11	19.83	20.20	21.00	
	3	LOW	64QAM	20.00	20.05	20.09	21.00	
		MID	64QAM	19.85	19.96	20.36	21.00	
		HIGH	64QAM	20.11	20.00	20.22	21.00	
	6	LOW	64QAM	19.24	19.19	19.13	21.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	20.31	20.31	20.18	21.00
MID			QPSK	20.43	20.34	20.25	21.00	
HIGH			QPSK	20.12	20.25	20.39	21.00	
8		LOW	QPSK	20.39	20.33	20.33	21.00	
		MID	QPSK	20.22	20.27	20.10	21.00	
		HIGH	QPSK	20.12	20.23	20.37	21.00	
15		LOW	QPSK	20.22	20.23	20.33	21.00	
3		1	LOW	Q16	20.17	20.13	20.50	21.00
			MID	Q16	20.23	20.30	20.36	21.00
	HIGH		Q16	20.06	20.00	20.19	21.00	
	8	LOW	Q16	20.14	20.21	19.98	21.00	
		MID	Q16	20.31	20.26	20.38	21.00	
		HIGH	Q16	20.00	20.37	19.91	21.00	
	15	LOW	Q16	20.02	20.14	19.99	21.00	
	3	1	LOW	64QAM	20.00	20.19	20.13	21.00
			MID	64QAM	20.02	20.17	20.21	21.00
HIGH			64QAM	20.05	19.88	20.05	21.00	
8		LOW	64QAM	19.33	19.21	19.08	21.00	
		MID	64QAM	19.34	19.17	19.41	21.00	
		HIGH	64QAM	19.17	19.21	19.24	21.00	
15		LOW	64QAM	19.08	19.22	19.11	21.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	20.36	20.27	20.31	21.00
	MID		QPSK	20.17	20.19	20.15	21.00	
	HIGH		QPSK	20.05	20.26	20.33	21.00	
	12	LOW	QPSK	20.33	20.35	20.27	21.00	
		MID	QPSK	20.16	20.27	20.34	21.00	
		HIGH	QPSK	19.95	20.32	20.36	21.00	
	25	LOW	QPSK	20.09	20.16	20.16	21.00	
	5	1	LOW	Q16	20.21	20.18	20.48	21.00
			MID	Q16	20.36	20.18	20.07	21.00
HIGH			Q16	20.02	20.15	20.15	21.00	
12		LOW	Q16	20.05	20.08	20.01	21.00	
		MID	Q16	20.31	20.31	20.25	21.00	
		HIGH	Q16	20.13	20.37	19.95	21.00	
25		LOW	Q16	20.07	20.01	19.99	21.00	
5		1	LOW	64QAM	20.19	20.22	20.05	21.00
			MID	64QAM	19.87	19.96	20.38	21.00
	HIGH		64QAM	20.15	19.83	20.18	21.00	
	12	LOW	64QAM	19.32	19.08	19.20	21.00	
		MID	64QAM	19.21	19.24	19.46	21.00	
		HIGH	64QAM	19.25	19.14	19.29	21.00	
	25	LOW	64QAM	19.21	19.15	19.41	21.00	

LTE B66-DSI2&3 -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	20.37	20.41	20.43	21.00		
		MID	QPSK	20.27	20.21	20.21	21.00		
		HIGH	QPSK	20.11	20.31	20.33	21.00		
	25	LOW	QPSK	20.19	20.17	20.16	21.00		
		MID	QPSK	20.29	20.29	20.25	21.00		
		HIGH	QPSK	20.03	20.12	20.20	21.00		
	50	LOW	QPSK	20.33	20.34	20.15	21.00		
	10	1	LOW	Q16	20.36	20.28	20.30	21.00	
			MID	Q16	20.35	20.42	20.24	21.00	
HIGH			Q16	20.05	20.08	20.14	21.00		
25		LOW	Q16	20.08	20.28	20.25	21.00		
		MID	Q16	20.36	20.21	20.26	21.00		
		HIGH	Q16	20.16	20.16	19.89	21.00		
50		LOW	Q16	19.95	20.08	20.22	21.00		
10		1	LOW	64QAM	20.21	19.95	20.09	21.00	
			MID	64QAM	19.87	20.24	20.17	21.00	
	HIGH		64QAM	19.95	19.89	20.12	21.00		
	25	LOW	64QAM	19.37	19.29	19.05	21.00		
		MID	64QAM	19.26	19.26	19.42	21.00		
		HIGH	64QAM	19.18	19.19	19.20	21.00		
	50	LOW	64QAM	19.19	19.27	19.11	21.00		
	15	15	1	LOW	QPSK	20.35	20.45	20.25	21.00
				MID	QPSK	20.20	20.18	20.16	21.00
HIGH				QPSK	20.04	20.06	20.22	21.00	
36			LOW	QPSK	20.17	20.28	20.35	21.00	
			MID	QPSK	20.17	20.32	20.36	21.00	
			HIGH	QPSK	19.97	20.16	20.14	21.00	
75			LOW	QPSK	20.33	20.19	20.19	21.00	
15			1	LOW	Q16	20.18	20.13	20.21	21.00
				MID	Q16	20.22	20.36	20.12	21.00
		HIGH		Q16	20.04	20.16	20.08	21.00	
		36	LOW	Q16	20.20	20.36	20.14	21.00	
			MID	Q16	20.28	20.23	20.26	21.00	
			HIGH	Q16	20.16	20.30	20.07	21.00	
75		LOW	Q16	20.11	20.23	20.08	21.00		
15		1	LOW	64QAM	20.08	20.04	19.91	21.00	
	MID		64QAM	19.91	20.10	20.24	21.00		
	HIGH		64QAM	20.05	19.91	20.08	21.00		
	36	LOW	64QAM	19.31	19.09	19.17	21.00		
		MID	64QAM	19.47	19.37	19.40	21.00		
		HIGH	64QAM	19.13	19.33	19.04	21.00		
	75	LOW	64QAM	19.24	19.27	19.39	21.00		
	20	20	1	LOW	QPSK	20.23	20.31	20.33	21.00
				MID	QPSK	20.30	20.20	20.16	21.00
HIGH				QPSK	20.14	20.18	20.28	21.00	
50			LOW	QPSK	20.27	20.21	20.29	21.00	
			MID	QPSK	20.16	20.21	20.25	21.00	
			HIGH	QPSK	20.09	20.20	20.29	21.00	
100			LOW	QPSK	20.18	20.21	20.19	21.00	
20			1	LOW	Q16	20.31	20.19	20.35	21.00
				MID	Q16	20.30	20.29	20.22	21.00
		HIGH		Q16	20.09	20.01	20.06	21.00	
		50	LOW	Q16	20.08	20.23	20.12	21.00	
			MID	Q16	20.27	20.19	20.39	21.00	
			HIGH	Q16	20.11	20.29	20.03	21.00	
100		LOW	Q16	20.06	20.16	20.12	21.00		
20		1	LOW	64QAM	20.12	20.07	20.01	21.00	
	MID		64QAM	19.90	20.09	20.26	21.00		
	HIGH		64QAM	20.09	19.87	20.07	21.00		
	50	LOW	64QAM	19.30	19.19	19.10	21.00		
		MID	64QAM	19.32	19.32	19.38	21.00		
		HIGH	64QAM	19.14	19.23	19.19	21.00		
	100	LOW	64QAM	19.15	19.34	19.13	21.00		

LTE B66-DSI4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	22.86	22.80	22.80	24.50	
		MID	QPSK	22.66	23.05	22.78	24.50	
		HIGH	QPSK	23.02	23.04	22.97	24.50	
	3	LOW	QPSK	23.00	23.03	22.73	24.50	
		MID	QPSK	22.77	22.81	22.79	24.50	
		HIGH	QPSK	23.05	22.79	22.89	24.50	
	6	LOW	QPSK	21.73	21.88	22.01	23.50	
	1.4	1	LOW	Q16	22.15	21.99	21.88	23.50
			MID	Q16	21.86	22.02	22.20	23.50
HIGH			Q16	22.15	22.17	21.84	23.50	
3		LOW	Q16	22.29	22.03	21.91	23.50	
		MID	Q16	22.03	21.81	22.26	23.50	
		HIGH	Q16	22.12	22.11	22.01	23.50	
6		LOW	Q16	21.00	20.97	21.16	22.50	
1.4		1	LOW	64QAM	20.90	20.64	20.83	22.50
			MID	64QAM	20.86	21.02	20.84	22.50
	HIGH		64QAM	20.69	20.78	20.57	22.50	
	3	LOW	64QAM	20.77	20.82	20.67	22.50	
		MID	64QAM	20.76	20.84	21.00	22.50	
		HIGH	64QAM	20.70	20.71	20.74	22.50	
	6	LOW	64QAM	20.00	20.09	20.04	21.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	22.98	22.83	22.94	24.50
MID			QPSK	22.90	22.91	22.77	24.50	
HIGH			QPSK	23.07	22.87	22.92	24.50	
8		LOW	QPSK	22.05	21.98	21.88	23.50	
		MID	QPSK	22.10	21.91	22.16	23.50	
		HIGH	QPSK	22.09	21.89	21.78	23.50	
15		LOW	QPSK	21.76	21.97	22.16	23.50	
3		1	LOW	Q16	22.30	21.94	21.89	23.50
			MID	Q16	21.92	21.89	22.12	23.50
	HIGH		Q16	22.11	22.28	22.07	23.50	
	8	LOW	Q16	21.04	20.91	20.72	22.50	
		MID	Q16	20.71	20.94	20.77	22.50	
		HIGH	Q16	20.84	20.76	21.02	22.50	
	15	LOW	Q16	20.90	21.12	21.23	22.50	
	3	1	LOW	64QAM	20.89	20.64	20.81	22.50
			MID	64QAM	20.90	21.04	20.78	22.50
HIGH			64QAM	20.66	20.66	20.55	22.50	
8		LOW	64QAM	19.95	19.92	19.65	21.50	
		MID	64QAM	19.83	20.01	19.80	21.50	
		HIGH	64QAM	19.98	19.89	19.91	21.50	
15		LOW	64QAM	20.10	20.16	20.07	21.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	22.77	22.88	22.89	24.50
	MID		QPSK	22.92	22.83	22.97	24.50	
	HIGH		QPSK	23.00	22.84	22.88	24.50	
	12	LOW	QPSK	22.15	21.93	21.92	23.50	
		MID	QPSK	22.27	21.96	22.15	23.50	
		HIGH	QPSK	22.16	22.01	21.87	23.50	
	25	LOW	QPSK	21.78	21.84	22.22	23.50	
	5	1	LOW	Q16	22.25	21.94	21.88	23.50
			MID	Q16	21.88	21.90	22.06	23.50
HIGH			Q16	22.05	22.26	21.80	23.50	
12		LOW	Q16	20.93	20.83	20.78	22.50	
		MID	Q16	20.88	20.93	20.90	22.50	
		HIGH	Q16	20.69	21.00	20.91	22.50	
25		LOW	Q16	20.87	21.08	21.11	22.50	
5		1	LOW	64QAM	20.95	20.75	20.73	22.50
			MID	64QAM	20.75	20.84	20.91	22.50
	HIGH		64QAM	20.82	20.61	20.54	22.50	
	12	LOW	64QAM	20.06	19.85	19.68	21.50	
		MID	64QAM	19.71	19.83	19.94	21.50	
		HIGH	64QAM	19.92	19.70	19.88	21.50	
	25	LOW	64QAM	20.16	20.25	19.98	21.50	



LTE B66-DSI4 -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	22.94	23.05	22.82	24.50		
		MID	QPSK	22.69	22.94	22.71	24.50		
		HIGH	QPSK	22.88	22.86	22.98	24.50		
	25	LOW	QPSK	22.11	22.10	22.11	23.50		
		MID	QPSK	22.10	21.93	21.94	23.50		
		HIGH	QPSK	22.06	22.12	21.98	23.50		
	50	LOW	QPSK	21.90	21.76	22.05	23.50		
	10	1	LOW	Q16	22.20	22.19	21.83	23.50	
			MID	Q16	21.86	21.99	22.11	23.50	
HIGH			Q16	22.14	22.13	21.92	23.50		
25		LOW	Q16	20.80	20.88	20.69	22.50		
		MID	Q16	20.93	20.68	20.89	22.50		
		HIGH	Q16	20.58	20.93	20.87	22.50		
50		LOW	Q16	20.92	21.08	21.15	22.50		
10		1	LOW	64QAM	20.84	20.88	20.80	22.50	
			MID	64QAM	20.91	20.79	20.96	22.50	
	HIGH		64QAM	20.75	20.56	20.78	22.50		
	25	LOW	64QAM	19.90	19.99	19.92	21.50		
		MID	64QAM	19.96	20.00	19.90	21.50		
		HIGH	64QAM	19.97	19.87	19.83	21.50		
	50	LOW	64QAM	20.12	20.14	20.05	21.50		
	15	15	1	LOW	QPSK	23.00	22.75	22.91	24.50
				MID	QPSK	22.93	23.08	22.85	24.50
HIGH				QPSK	23.01	23.05	22.88	24.50	
36			LOW	QPSK	22.05	22.02	22.03	23.50	
			MID	QPSK	22.16	21.90	22.04	23.50	
			HIGH	QPSK	21.93	22.16	22.03	23.50	
75			LOW	QPSK	21.78	22.05	22.19	23.50	
15			1	LOW	Q16	22.26	22.13	21.97	23.50
				MID	Q16	21.88	21.92	22.10	23.50
		HIGH		Q16	22.01	22.13	21.84	23.50	
		36	LOW	Q16	20.84	20.97	20.74	22.50	
			MID	Q16	20.90	20.68	21.01	22.50	
			HIGH	Q16	20.69	20.97	20.96	22.50	
		75	LOW	Q16	21.01	20.97	21.20	22.50	
		15	1	LOW	64QAM	20.98	20.76	20.73	22.50
				MID	64QAM	20.79	20.87	21.00	22.50
HIGH				64QAM	20.75	20.56	20.54	22.50	
36			LOW	64QAM	19.80	19.88	19.63	21.50	
	MID		64QAM	19.66	19.90	19.81	21.50		
	HIGH		64QAM	19.93	19.68	19.81	21.50		
75	LOW		64QAM	20.12	19.98	20.10	21.50		
20	20		1	LOW	QPSK	22.87	22.90	22.84	24.50
				MID	QPSK	22.81	22.93	22.82	24.50
		HIGH		QPSK	22.96	22.93	22.84	24.50	
		50	LOW	QPSK	22.13	21.96	22.03	23.50	
			MID	QPSK	22.14	21.86	22.08	23.50	
			HIGH	QPSK	22.04	22.02	21.93	23.50	
		100	LOW	QPSK	21.77	21.90	22.10	23.50	
		20	1	LOW	Q16	22.25	22.08	21.97	23.50
				MID	Q16	22.00	21.94	22.19	23.50
	HIGH			Q16	22.03	22.21	21.93	23.50	
	50		LOW	Q16	20.89	20.91	20.77	22.50	
			MID	Q16	20.82	20.79	20.89	22.50	
			HIGH	Q16	20.71	20.91	21.01	22.50	
	100		LOW	Q16	20.94	21.06	21.11	22.50	
	20		1	LOW	64QAM	20.90	20.78	20.75	22.50
				MID	64QAM	20.80	20.94	20.90	22.50
		HIGH		64QAM	20.77	20.61	20.69	22.50	
		50	LOW	64QAM	19.93	19.93	19.77	21.50	
			MID	64QAM	19.81	19.89	19.89	21.50	
			HIGH	64QAM	19.89	19.77	19.87	21.50	
		100	LOW	64QAM	20.11	20.12	20.10	21.50	

LTE B66-DSI5 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.62	19.70	19.65	20.50	
		MID	QPSK	19.58	19.75	19.63	20.50	
		HIGH	QPSK	19.46	19.78	19.75	20.50	
	3	LOW	QPSK	19.78	19.60	19.69	20.50	
		MID	QPSK	19.74	19.57	19.43	20.50	
		HIGH	QPSK	19.53	19.74	19.92	20.50	
	6	LOW	QPSK	19.58	19.75	19.58	20.50	
	1.4	1	LOW	Q16	20.03	19.85	20.03	20.50
			MID	Q16	19.95	19.78	20.07	20.50
HIGH			Q16	19.82	19.69	20.05	20.50	
3		LOW	Q16	20.02	19.91	19.96	20.50	
		MID	Q16	20.04	19.74	19.89	20.50	
		HIGH	Q16	19.87	19.65	20.00	20.50	
6		LOW	Q16	20.00	19.54	19.85	20.50	
1.4		1	LOW	64QAM	19.00	19.00	19.18	20.50
			MID	64QAM	19.22	18.91	18.96	20.50
	HIGH		64QAM	18.86	18.89	19.01	20.50	
	3	LOW	64QAM	19.08	19.19	19.31	20.50	
		MID	64QAM	19.21	18.92	19.10	20.50	
		HIGH	64QAM	18.87	18.92	19.11	20.50	
	6	LOW	64QAM	19.41	19.34	19.13	20.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	19.75	19.61	19.77	20.50
MID			QPSK	19.67	19.58	19.70	20.50	
HIGH			QPSK	19.65	19.83	19.94	20.50	
8		LOW	QPSK	19.49	19.80	19.79	20.50	
		MID	QPSK	19.64	19.61	19.70	20.50	
		HIGH	QPSK	19.90	19.56	19.69	20.50	
15		LOW	QPSK	19.62	19.64	19.68	20.50	
3		1	LOW	Q16	19.95	19.81	19.90	20.50
			MID	Q16	19.86	19.80	19.83	20.50
	HIGH		Q16	19.83	19.80	19.96	20.50	
	8	LOW	Q16	19.63	19.66	19.80	20.50	
		MID	Q16	19.59	19.69	19.66	20.50	
		HIGH	Q16	19.87	19.98	19.75	20.50	
	15	LOW	Q16	19.90	19.43	19.74	20.50	
	3	1	LOW	64QAM	19.08	19.26	19.12	20.50
			MID	64QAM	18.99	18.92	19.05	20.50
HIGH			64QAM	19.00	18.82	19.07	20.50	
8		LOW	64QAM	19.26	19.08	19.12	20.50	
		MID	64QAM	19.21	18.99	19.11	20.50	
		HIGH	64QAM	18.92	19.23	19.13	20.50	
15		LOW	64QAM	19.45	19.21	19.16	20.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	19.63	19.82	19.81	20.50
	MID		QPSK	19.64	19.59	19.50	20.50	
	HIGH		QPSK	19.64	19.75	19.83	20.50	
	12	LOW	QPSK	19.60	19.65	19.70	20.50	
		MID	QPSK	19.47	19.63	19.58	20.50	
		HIGH	QPSK	19.69	19.53	19.73	20.50	
	25	LOW	QPSK	19.67	19.68	19.62	20.50	
	5	1	LOW	Q16	20.08	19.86	19.82	20.50
			MID	Q16	19.85	19.72	19.85	20.50
HIGH			Q16	19.59	19.63	20.20	20.50	
12		LOW	Q16	19.52	19.65	19.88	20.50	
		MID	Q16	19.81	19.85	19.89	20.50	
		HIGH	Q16	19.63	19.71	19.67	20.50	
25		LOW	Q16	19.75	19.65	19.68	20.50	
5		1	LOW	64QAM	18.93	18.97	19.37	20.50
			MID	64QAM	19.00	19.04	18.93	20.50
	HIGH		64QAM	18.97	18.95	19.04	20.50	
	12	LOW	64QAM	19.27	19.04	19.15	20.50	
		MID	64QAM	19.20	19.02	19.19	20.50	
		HIGH	64QAM	19.10	19.22	19.33	20.50	
	25	LOW	64QAM	19.39	19.26	19.19	20.50	

LTE B66-DSI5 -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	19.57	19.70	19.70	20.50		
		MID	QPSK	19.75	19.79	19.43	20.50		
		HIGH	QPSK	19.59	19.70	19.83	20.50		
	25	LOW	QPSK	19.64	19.71	19.64	20.50		
		MID	QPSK	19.57	19.52	19.74	20.50		
		HIGH	QPSK	19.71	19.58	19.53	20.50		
	50	LOW	QPSK	19.66	19.68	19.74	20.50		
	10	1	LOW	Q16	20.10	19.91	20.06	20.50	
			MID	Q16	19.98	19.83	20.08	20.50	
HIGH			Q16	19.67	19.79	20.00	20.50		
25		LOW	Q16	19.48	19.71	19.81	20.50		
		MID	Q16	19.72	19.82	19.63	20.50		
		HIGH	Q16	19.72	19.72	19.69	20.50		
50		LOW	Q16	19.78	19.57	19.68	20.50		
10		1	LOW	64QAM	18.96	19.03	19.29	20.50	
			MID	64QAM	19.26	18.88	19.13	20.50	
	HIGH		64QAM	18.78	19.05	18.92	20.50		
	25	LOW	64QAM	19.34	19.28	19.17	20.50		
		MID	64QAM	19.43	18.93	19.28	20.50		
		HIGH	64QAM	19.19	19.27	19.16	20.50		
	50	LOW	64QAM	19.22	19.47	19.29	20.50		
	15	15	1	LOW	QPSK	19.72	19.66	19.70	20.50
				MID	QPSK	19.68	19.61	19.65	20.50
HIGH				QPSK	19.52	19.62	19.77	20.50	
36			LOW	QPSK	19.54	19.70	19.82	20.50	
			MID	QPSK	19.42	19.40	19.72	20.50	
			HIGH	QPSK	19.82	19.73	19.48	20.50	
75			LOW	QPSK	19.50	19.77	19.64	20.50	
15			1	LOW	Q16	20.05	19.92	19.78	20.50
				MID	Q16	19.93	19.70	19.96	20.50
		HIGH		Q16	19.73	19.70	20.16	20.50	
		36	LOW	Q16	19.58	19.75	19.91	20.50	
			MID	Q16	19.65	19.67	19.86	20.50	
			HIGH	Q16	19.70	19.71	19.69	20.50	
		75	LOW	Q16	19.74	19.59	19.72	20.50	
		15	1	LOW	64QAM	18.94	19.26	19.32	20.50
				MID	64QAM	19.12	18.93	18.91	20.50
HIGH				64QAM	18.89	18.94	19.00	20.50	
36			LOW	64QAM	19.21	19.04	19.21	20.50	
	MID		64QAM	19.38	19.03	19.34	20.50		
	HIGH		64QAM	19.00	19.45	19.18	20.50		
75	LOW		64QAM	19.15	19.24	19.24	20.50		
20	20		1	LOW	QPSK	19.65	19.69	19.71	20.50
				MID	QPSK	19.69	19.70	19.57	20.50
		HIGH		QPSK	19.56	19.71	19.83	20.50	
		50	LOW	QPSK	19.53	19.70	19.79	20.50	
			MID	QPSK	19.57	19.53	19.68	20.50	
			HIGH	QPSK	19.81	19.64	19.59	20.50	
		100	LOW	QPSK	19.64	19.69	19.59	20.50	
		20	1	LOW	Q16	20.10	19.90	19.93	20.50
				MID	Q16	19.93	19.80	19.95	20.50
	HIGH			Q16	19.73	19.70	20.09	20.50	
	50		LOW	Q16	19.62	19.67	19.87	20.50	
			MID	Q16	19.70	19.80	19.77	20.50	
			HIGH	Q16	19.73	19.85	19.78	20.50	
	100		LOW	Q16	19.87	19.55	19.70	20.50	
	20		1	LOW	64QAM	18.93	19.11	19.26	20.50
				MID	64QAM	19.12	19.03	19.02	20.50
		HIGH		64QAM	18.93	18.97	18.96	20.50	
		50	LOW	64QAM	19.35	19.16	19.21	20.50	
MID			64QAM	19.30	19.07	19.19	20.50		
HIGH			64QAM	19.06	19.33	19.25	20.50		
100		LOW	64QAM	19.30	19.36	19.28	20.50		

LTE B66-DSI8&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	19.04	19.20	19.25	20.00	
		MID	QPSK	19.05	19.16	19.04	20.00	
		HIGH	QPSK	19.30	19.38	19.20	20.00	
	3	LOW	QPSK	19.04	19.26	19.11	20.00	
		MID	QPSK	19.28	19.33	19.24	20.00	
		HIGH	QPSK	19.34	19.26	19.19	20.00	
	6	LOW	QPSK	19.08	19.13	19.05	20.00	
	1.4	1	LOW	Q16	19.52	19.24	19.26	20.00
			MID	Q16	19.39	19.22	19.26	20.00
HIGH			Q16	19.33	19.42	19.07	20.00	
3		LOW	Q16	19.39	19.41	19.30	20.00	
		MID	Q16	19.31	19.41	19.15	20.00	
		HIGH	Q16	19.34	19.31	19.33	20.00	
6		LOW	Q16	19.37	19.47	19.26	20.00	
1.4		1	LOW	64QAM	19.02	19.08	19.17	20.00
			MID	64QAM	19.19	19.20	19.36	20.00
	HIGH		64QAM	19.15	19.09	19.07	20.00	
	3	LOW	64QAM	19.22	19.09	19.13	20.00	
		MID	64QAM	19.16	19.38	19.20	20.00	
		HIGH	64QAM	19.29	18.92	18.90	20.00	
	6	LOW	64QAM	19.27	19.21	19.30	20.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	19.14	19.33	19.11	20.00
MID			QPSK	19.05	19.10	19.02	20.00	
HIGH			QPSK	19.32	19.29	19.22	20.00	
8		LOW	QPSK	19.20	19.39	19.37	20.00	
		MID	QPSK	19.13	19.37	19.41	20.00	
		HIGH	QPSK	19.34	19.46	19.13	20.00	
15		LOW	QPSK	19.04	19.05	18.92	20.00	
3		1	LOW	Q16	19.44	19.26	19.23	20.00
			MID	Q16	19.40	19.20	19.11	20.00
	HIGH		Q16	19.42	19.49	19.25	20.00	
	8	LOW	Q16	18.89	19.08	19.09	20.00	
		MID	Q16	19.25	19.16	19.25	20.00	
		HIGH	Q16	19.16	19.33	19.00	20.00	
	15	LOW	Q16	19.21	19.53	19.03	20.00	
	3	1	LOW	64QAM	19.15	19.06	18.91	20.00
			MID	64QAM	19.34	19.39	19.38	20.00
HIGH			64QAM	19.00	18.96	18.99	20.00	
8		LOW	64QAM	19.21	19.04	19.23	20.00	
		MID	64QAM	18.96	18.97	19.23	20.00	
		HIGH	64QAM	19.08	19.18	18.90	20.00	
15		LOW	64QAM	19.19	19.42	19.21	20.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	19.06	19.38	19.21	20.00
	MID		QPSK	19.00	19.24	19.21	20.00	
	HIGH		QPSK	19.23	19.18	19.05	20.00	
	12	LOW	QPSK	19.17	19.10	19.36	20.00	
		MID	QPSK	19.12	19.34	19.26	20.00	
		HIGH	QPSK	19.34	19.45	19.10	20.00	
	25	LOW	QPSK	19.12	19.12	19.01	20.00	
	5	1	LOW	Q16	19.29	19.34	19.40	20.00
			MID	Q16	19.18	19.35	19.37	20.00
HIGH			Q16	19.42	19.20	19.31	20.00	
12		LOW	Q16	18.92	19.22	19.17	20.00	
		MID	Q16	19.11	19.07	19.26	20.00	
		HIGH	Q16	19.10	19.26	19.20	20.00	
25		LOW	Q16	19.36	19.45	19.04	20.00	
5		1	LOW	64QAM	19.14	19.10	18.99	20.00
			MID	64QAM	19.23	19.17	19.12	20.00
	HIGH		64QAM	19.29	19.14	18.88	20.00	
	12	LOW	64QAM	19.39	19.20	19.09	20.00	
		MID	64QAM	18.92	19.00	19.15	20.00	
		HIGH	64QAM	19.17	18.94	19.13	20.00	
	25	LOW	64QAM	19.05	19.36	19.22	20.00	

LTE B66-DSI8&9&10 -Ant.13 (ENDC)									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	19.10	19.37	19.06	20.00		
		MID	QPSK	19.24	19.12	19.07	20.00		
		HIGH	QPSK	19.18	19.23	19.06	20.00		
	25	LOW	QPSK	19.33	19.13	19.46	20.00		
		MID	QPSK	19.15	19.33	19.32	20.00		
		HIGH	QPSK	19.38	19.38	19.19	20.00		
	50	LOW	QPSK	19.29	19.21	19.09	20.00		
	10	1	LOW	Q16	19.28	19.31	19.29	20.00	
			MID	Q16	19.16	19.47	19.28	20.00	
HIGH			Q16	19.36	19.39	19.11	20.00		
25		LOW	Q16	18.92	19.17	19.19	20.00		
		MID	Q16	19.19	19.17	19.18	20.00		
		HIGH	Q16	19.14	19.27	19.26	20.00		
50		LOW	Q16	19.14	19.42	19.21	20.00		
10		1	LOW	64QAM	18.97	19.23	18.91	20.00	
			MID	64QAM	19.21	19.26	19.20	20.00	
	HIGH		64QAM	19.30	19.07	18.95	20.00		
	25	LOW	64QAM	19.38	19.19	19.11	20.00		
		MID	64QAM	19.05	18.85	19.24	20.00		
		HIGH	64QAM	19.06	19.22	19.08	20.00		
	50	LOW	64QAM	19.27	19.29	19.40	20.00		
	15	15	1	LOW	QPSK	19.08	19.21	19.18	20.00
				MID	QPSK	19.01	19.22	18.98	20.00
HIGH				QPSK	19.12	19.31	19.19	20.00	
36			LOW	QPSK	19.21	19.16	19.34	20.00	
			MID	QPSK	18.99	19.54	19.31	20.00	
			HIGH	QPSK	19.31	19.31	19.14	20.00	
75			LOW	QPSK	19.15	19.31	19.04	20.00	
15			1	LOW	Q16	19.44	19.33	19.51	20.00
				MID	Q16	19.30	19.46	19.39	20.00
		HIGH		Q16	19.35	19.45	19.11	20.00	
		36	LOW	Q16	18.94	19.33	19.10	20.00	
			MID	Q16	19.20	19.09	19.43	20.00	
			HIGH	Q16	19.06	19.45	19.10	20.00	
		75	LOW	Q16	19.33	19.25	19.26	20.00	
		15	1	LOW	64QAM	19.14	19.15	19.05	20.00
				MID	64QAM	19.16	19.24	19.20	20.00
HIGH				64QAM	19.22	19.08	18.90	20.00	
36			LOW	64QAM	19.32	19.29	19.24	20.00	
	MID		64QAM	18.97	19.05	19.37	20.00		
	HIGH		64QAM	19.30	18.95	19.12	20.00		
75	LOW		64QAM	19.07	19.23	19.18	20.00		
20	20		1	LOW	QPSK	19.10	19.23	19.18	20.00
				MID	QPSK	19.13	19.25	19.13	20.00
		HIGH		QPSK	19.22	19.30	19.18	20.00	
		50	LOW	QPSK	19.19	19.25	19.43	20.00	
			MID	QPSK	19.10	19.45	19.41	20.00	
			HIGH	QPSK	19.45	19.35	19.17	20.00	
		100	LOW	QPSK	19.14	19.20	19.06	20.00	
		20	1	LOW	Q16	19.39	19.31	19.37	20.00
				MID	Q16	19.29	19.33	19.24	20.00
	HIGH			Q16	19.34	19.35	19.18	20.00	
	50		LOW	Q16	19.00	19.20	19.10	20.00	
			MID	Q16	19.19	19.15	19.33	20.00	
			HIGH	Q16	19.17	19.36	19.13	20.00	
	100		LOW	Q16	19.23	19.38	19.11	20.00	
	20		1	LOW	64QAM	19.09	19.10	19.06	20.00
				MID	64QAM	19.21	19.28	19.26	20.00
		HIGH		64QAM	19.15	19.07	19.02	20.00	
		50	LOW	64QAM	19.31	19.16	19.24	20.00	
MID			64QAM	18.96	18.96	19.26	20.00		
HIGH			64QAM	19.15	19.07	19.02	20.00		
100		LOW	64QAM	19.21	19.35	19.29	20.00		

## 8.3.11 LTE Band2 Output Power(UL Inter CA)

LTE B66-Full Power -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.84	20.92	21.12	22.50	
		MID	QPSK	20.97	20.98	20.92	22.50	
		HIGH	QPSK	21.19	20.87	20.90	22.50	
	3	LOW	QPSK	21.01	20.82	21.25	22.50	
		MID	QPSK	20.82	20.87	20.79	22.50	
		HIGH	QPSK	21.12	20.84	20.77	22.50	
	6	LOW	QPSK	19.73	19.81	19.84	21.50	
	1.4	1	LOW	Q16	19.82	20.10	20.16	21.50
			MID	Q16	19.84	20.19	20.00	21.50
HIGH			Q16	20.21	20.10	19.83	21.50	
3		LOW	Q16	19.78	20.00	20.09	21.50	
		MID	Q16	19.85	20.03	20.18	21.50	
		HIGH	Q16	20.04	19.96	19.86	21.50	
6		LOW	Q16	18.91	19.29	19.14	20.50	
1.4		1	LOW	64QAM	19.01	19.17	18.92	20.50
			MID	64QAM	18.99	18.77	19.04	20.50
	HIGH		64QAM	19.26	18.72	19.03	20.50	
	3	LOW	64QAM	19.08	19.02	19.07	20.50	
		MID	64QAM	18.87	19.07	19.23	20.50	
		HIGH	64QAM	19.25	18.95	19.05	20.50	
	6	LOW	64QAM	17.90	18.23	18.09	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	20.90	20.82	21.10	22.50
MID			QPSK	21.00	20.80	20.94	22.50	
HIGH			QPSK	21.24	21.07	20.94	22.50	
8		LOW	QPSK	20.04	19.90	19.99	21.50	
		MID	QPSK	19.99	20.16	20.06	21.50	
		HIGH	QPSK	20.13	20.07	20.06	21.50	
15		LOW	QPSK	19.75	20.00	19.91	21.50	
3		1	LOW	Q16	19.75	20.11	20.02	21.50
			MID	Q16	19.96	20.12	20.24	21.50
	HIGH		Q16	20.23	19.88	19.80	21.50	
	8	LOW	Q16	18.77	18.84	19.18	20.50	
		MID	Q16	18.97	19.10	18.92	20.50	
		HIGH	Q16	19.12	18.96	18.89	20.50	
	15	LOW	Q16	19.15	19.26	19.15	20.50	
	3	1	LOW	64QAM	18.99	19.04	18.91	20.50
			MID	64QAM	19.01	18.95	19.29	20.50
HIGH			64QAM	19.17	19.01	19.05	20.50	
8		LOW	64QAM	17.88	18.22	18.18	19.50	
		MID	64QAM	17.82	17.96	17.73	19.50	
		HIGH	64QAM	18.07	18.13	18.15	19.50	
15		LOW	64QAM	17.85	18.12	17.90	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	21.04	20.97	21.11	22.50
	MID		QPSK	21.00	20.98	21.01	22.50	
	HIGH		QPSK	21.04	20.92	20.82	22.50	
	12	LOW	QPSK	20.09	19.90	20.15	21.50	
		MID	QPSK	19.92	20.15	20.05	21.50	
		HIGH	QPSK	20.06	20.08	19.87	21.50	
	25	LOW	QPSK	19.83	19.93	19.98	21.50	
	5	1	LOW	Q16	19.89	20.07	20.20	21.50
			MID	Q16	19.95	20.03	20.05	21.50
HIGH			Q16	20.06	19.95	20.09	21.50	
12		LOW	Q16	18.82	18.76	18.90	20.50	
		MID	Q16	19.07	18.94	19.06	20.50	
		HIGH	Q16	19.06	18.91	18.84	20.50	
25		LOW	Q16	18.94	19.18	19.10	20.50	
5		1	LOW	64QAM	19.13	19.24	19.09	20.50
			MID	64QAM	19.04	18.85	19.03	20.50
	HIGH		64QAM	19.17	18.72	19.06	20.50	
	12	LOW	64QAM	18.00	18.06	17.97	19.50	
		MID	64QAM	17.87	18.07	17.92	19.50	
		HIGH	64QAM	18.09	18.11	18.03	19.50	
	25	LOW	64QAM	18.21	18.14	18.00	19.50	

LTE B66-Full Power -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	20.84	20.77	21.13	22.50		
		MID	QPSK	20.78	21.01	21.04	22.50		
		HIGH	QPSK	21.12	20.89	20.91	22.50		
	25	LOW	QPSK	20.16	19.79	20.07	21.50		
		MID	QPSK	20.05	20.20	19.97	21.50		
		HIGH	QPSK	20.27	20.15	19.83	21.50		
	50	LOW	QPSK	19.77	19.89	19.89	21.50		
	10	1	LOW	Q16	19.76	20.18	20.03	21.50	
			MID	Q16	19.99	20.02	20.24	21.50	
HIGH			Q16	20.29	19.94	19.99	21.50		
25		LOW	Q16	19.03	18.97	19.13	20.50		
		MID	Q16	18.91	18.94	18.88	20.50		
		HIGH	Q16	18.97	18.97	19.14	20.50		
50		LOW	Q16	19.08	19.01	19.19	20.50		
10		1	LOW	64QAM	19.15	19.22	19.05	20.50	
			MID	64QAM	18.88	18.91	19.13	20.50	
	HIGH		64QAM	18.99	18.85	18.97	20.50		
	25	LOW	64QAM	17.88	18.16	18.21	19.50		
		MID	64QAM	17.90	17.95	17.80	19.50		
		HIGH	64QAM	17.99	18.22	18.04	19.50		
	50	LOW	64QAM	17.99	18.13	18.19	19.50		
	15	15	1	LOW	QPSK	20.86	20.89	20.99	22.50
				MID	QPSK	21.01	21.06	20.84	22.50
HIGH				QPSK	21.25	21.03	20.78	22.50	
36			LOW	QPSK	20.01	20.04	20.17	21.50	
			MID	QPSK	19.85	19.98	20.19	21.50	
			HIGH	QPSK	20.08	20.16	19.89	21.50	
75			LOW	QPSK	19.99	19.71	19.91	21.50	
15			1	LOW	Q16	19.79	20.00	20.03	21.50
				MID	Q16	19.94	20.05	20.24	21.50
		HIGH		Q16	20.06	19.96	20.10	21.50	
		36	LOW	Q16	18.91	18.96	19.09	20.50	
			MID	Q16	18.91	19.13	18.92	20.50	
			HIGH	Q16	18.97	19.14	18.98	20.50	
		75	LOW	Q16	18.93	19.27	19.06	20.50	
		15	1	LOW	64QAM	19.16	19.02	19.00	20.50
				MID	64QAM	19.01	18.95	19.26	20.50
HIGH				64QAM	19.13	18.74	18.79	20.50	
36			LOW	64QAM	17.87	17.93	18.22	19.50	
	MID		64QAM	17.97	17.87	17.84	19.50		
	HIGH		64QAM	18.07	18.16	18.01	19.50		
75	LOW		64QAM	17.91	18.23	18.05	19.50		
20	20		1	LOW	QPSK	20.89	20.88	21.11	22.50
				MID	QPSK	20.89	20.91	20.89	22.50
		HIGH		QPSK	21.14	20.97	20.89	22.50	
		50	LOW	QPSK	20.11	19.91	20.08	21.50	
			MID	QPSK	20.00	20.10	20.05	21.50	
			HIGH	QPSK	20.14	20.09	19.92	21.50	
		100	LOW	QPSK	19.85	19.86	19.98	21.50	
		20	1	LOW	Q16	19.86	20.05	20.08	21.50
				MID	Q16	19.89	20.14	20.10	21.50
	HIGH			Q16	20.14	19.99	19.95	21.50	
	50		LOW	Q16	18.90	18.91	19.04	20.50	
			MID	Q16	19.02	18.98	18.97	20.50	
			HIGH	Q16	19.05	19.02	18.99	20.50	
	100		LOW	Q16	19.01	19.15	19.07	20.50	
	20		1	LOW	64QAM	19.03	19.12	18.96	20.50
				MID	64QAM	18.89	18.92	19.14	20.50
		HIGH		64QAM	19.11	18.86	18.91	20.50	
		50	LOW	64QAM	17.95	18.08	18.12	19.50	
			MID	64QAM	17.97	18.00	17.87	19.50	
			HIGH	64QAM	18.05	18.15	18.04	19.50	
		100	LOW	64QAM	18.05	18.12	18.05	19.50	

LTE B66-DSI2&3&5 -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)		
1.4	1	LOW	QPSK	16.86	16.96	16.98	18.50		
		MID	QPSK	17.04	17.09	17.07	18.50		
		HIGH	QPSK	16.92	16.78	16.91	18.50		
	3	LOW	QPSK	16.85	16.86	16.91	18.50		
		MID	QPSK	17.23	17.20	16.90	18.50		
		HIGH	QPSK	16.94	16.90	16.96	18.50		
	6	LOW	QPSK	17.08	16.99	16.91	18.50		
	1.4	1	LOW	Q16	16.94	16.99	17.03	18.50	
			MID	Q16	17.02	17.12	17.18	18.50	
HIGH			Q16	16.94	16.76	16.99	18.50		
3		LOW	Q16	17.02	17.18	16.92	18.50		
		MID	Q16	17.22	17.02	17.04	18.50		
		HIGH	Q16	16.85	17.00	17.00	18.50		
6		LOW	Q16	17.14	16.95	16.94	18.50		
1.4		1	LOW	64QAM	16.83	17.08	16.94	18.50	
			MID	64QAM	16.80	17.01	17.04	18.50	
	HIGH		64QAM	17.19	16.98	16.98	18.50		
	3	LOW	64QAM	17.02	17.13	17.09	18.50		
		MID	64QAM	16.80	17.03	16.89	18.50		
		HIGH	64QAM	17.27	17.01	17.15	18.50		
	6	LOW	64QAM	16.94	17.17	16.86	18.50		
	3	3	1	LOW	QPSK	17.03	16.85	16.97	18.50
				MID	QPSK	17.08	17.10	16.83	18.50
HIGH				QPSK	16.98	16.83	17.08	18.50	
8			LOW	QPSK	17.03	17.06	17.12	18.50	
			MID	QPSK	16.78	16.79	16.99	18.50	
			HIGH	QPSK	17.01	17.03	17.15	18.50	
15			LOW	QPSK	17.11	16.97	16.85	18.50	
3			1	LOW	Q16	16.85	17.03	16.93	18.50
				MID	Q16	16.96	17.06	17.16	18.50
		HIGH		Q16	17.02	16.94	16.82	18.50	
		8	LOW	Q16	17.09	16.88	16.83	18.50	
			MID	Q16	17.06	16.88	16.85	18.50	
			HIGH	Q16	16.95	17.01	16.99	18.50	
		15	LOW	Q16	17.12	17.03	16.76	18.50	
		3	1	LOW	64QAM	16.80	16.97	16.92	18.50
				MID	64QAM	16.91	16.95	17.06	18.50
HIGH				64QAM	17.03	17.10	17.27	18.50	
8			LOW	64QAM	16.99	17.07	16.97	18.50	
	MID		64QAM	17.15	17.06	17.14	18.50		
	HIGH		64QAM	16.97	17.07	16.76	18.50		
15	LOW		64QAM	16.99	17.13	17.01	18.50		
5	5		1	LOW	QPSK	16.90	16.93	17.12	18.50
				MID	QPSK	17.11	17.17	17.05	18.50
		HIGH		QPSK	16.96	16.87	17.02	18.50	
		12	LOW	QPSK	17.09	17.00	17.24	18.50	
			MID	QPSK	17.02	16.89	17.04	18.50	
			HIGH	QPSK	16.79	17.16	17.13	18.50	
		25	LOW	QPSK	17.01	17.14	17.12	18.50	
		5	1	LOW	Q16	16.91	17.20	17.15	18.50
				MID	Q16	16.99	17.11	16.91	18.50
	HIGH			Q16	16.95	16.75	16.87	18.50	
	12		LOW	Q16	17.14	16.88	16.92	18.50	
			MID	Q16	16.98	17.01	16.89	18.50	
			HIGH	Q16	17.15	16.93	16.98	18.50	
	25		LOW	Q16	17.23	17.10	16.80	18.50	
	5		1	LOW	64QAM	16.77	17.16	16.88	18.50
				MID	64QAM	16.80	17.00	16.90	18.50
		HIGH		64QAM	17.18	17.07	16.99	18.50	
		12	LOW	64QAM	16.93	17.05	17.00	18.50	
MID			64QAM	17.05	17.05	17.07	18.50		
HIGH			64QAM	16.94	16.89	17.04	18.50		
25		LOW	64QAM	16.94	17.34	16.92	18.50		



LTE B66-DSI2&3&5 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	17.06	16.90	16.99	18.50	
		MID	QPSK	17.01	17.15	16.85	18.50	
		HIGH	QPSK	17.11	17.01	17.06	18.50	
	25	LOW	QPSK	17.28	16.99	17.26	18.50	
		MID	QPSK	16.94	16.83	17.10	18.50	
		HIGH	QPSK	16.88	17.12	17.10	18.50	
	50	LOW	QPSK	17.24	16.91	17.11	18.50	
	10	1	LOW	Q16	17.04	16.99	17.09	18.50
			MID	Q16	17.02	17.22	17.04	18.50
HIGH			Q16	17.01	16.75	16.95	18.50	
25		LOW	Q16	17.03	16.85	16.82	18.50	
		MID	Q16	16.87	16.85	17.01	18.50	
		HIGH	Q16	17.09	16.87	17.06	18.50	
50		LOW	Q16	17.07	17.08	16.94	18.50	
10		1	LOW	64QAM	16.81	17.09	16.87	18.50
			MID	64QAM	16.85	16.94	17.09	18.50
	HIGH		64QAM	17.20	17.07	17.18	18.50	
	25	LOW	64QAM	16.95	17.03	16.85	18.50	
		MID	64QAM	16.98	16.98	17.03	18.50	
		HIGH	64QAM	17.00	17.11	16.97	18.50	
	50	LOW	64QAM	17.00	17.15	16.90	18.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	132047	132322	132597	Tune-up power(dBm)
	15	1	LOW	QPSK	16.79	17.00	17.15	18.50
MID			QPSK	17.02	17.20	16.84	18.50	
HIGH			QPSK	16.85	16.89	16.93	18.50	
36		LOW	QPSK	17.16	16.90	17.02	18.50	
		MID	QPSK	17.00	16.90	17.06	18.50	
		HIGH	QPSK	17.02	17.09	17.21	18.50	
75		LOW	QPSK	17.15	16.96	17.14	18.50	
15		1	LOW	Q16	16.90	17.02	17.12	18.50
			MID	Q16	17.02	17.00	17.18	18.50
	HIGH		Q16	16.83	16.86	17.04	18.50	
	36	LOW	Q16	17.16	16.94	16.98	18.50	
		MID	Q16	16.92	16.74	16.81	18.50	
		HIGH	Q16	17.17	16.95	17.10	18.50	
	75	LOW	Q16	16.93	16.87	16.80	18.50	
	15	1	LOW	64QAM	16.86	16.97	17.07	18.50
			MID	64QAM	16.84	16.80	17.12	18.50
HIGH			64QAM	17.27	17.11	17.00	18.50	
36		LOW	64QAM	17.23	16.97	16.96	18.50	
		MID	64QAM	17.00	16.90	17.08	18.50	
		HIGH	64QAM	16.83	17.11	16.99	18.50	
75		LOW	64QAM	16.82	17.11	16.78	18.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	132072	132322	132572	Tune-up power(dBm)
20		1	LOW	QPSK	16.92	16.97	17.02	18.50
	MID		QPSK	17.11	17.15	16.98	18.50	
	HIGH		QPSK	16.98	16.92	16.95	18.50	
	50	LOW	QPSK	17.14	16.97	17.13	18.50	
		MID	QPSK	16.93	16.85	17.09	18.50	
		HIGH	QPSK	16.92	17.14	17.10	18.50	
	100	LOW	QPSK	17.11	16.99	16.99	18.50	
	20	1	LOW	Q16	16.99	17.05	17.07	18.50
			MID	Q16	17.09	17.07	17.05	18.50
HIGH			Q16	16.93	16.87	16.96	18.50	
50		LOW	Q16	17.08	16.90	16.89	18.50	
		MID	Q16	17.01	16.89	16.87	18.50	
		HIGH	Q16	17.05	16.97	16.99	18.50	
100		LOW	Q16	17.08	16.98	16.88	18.50	
20		1	LOW	64QAM	16.88	17.04	17.01	18.50
			MID	64QAM	16.87	16.92	17.04	18.50
	HIGH		64QAM	17.12	16.99	17.13	18.50	
	50	LOW	64QAM	17.08	16.96	16.95	18.50	
		MID	64QAM	17.09	17.00	17.11	18.50	
		HIGH	64QAM	16.95	16.96	16.89	18.50	
	100	LOW	64QAM	16.92	17.02	16.92	18.50	

LTE B66-DSI4 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	20.84	20.92	21.12	22.50	
		MID	QPSK	20.97	20.98	20.92	22.50	
		HIGH	QPSK	21.19	20.87	20.90	22.50	
	3	LOW	QPSK	21.01	20.82	21.25	22.50	
		MID	QPSK	20.82	20.87	20.79	22.50	
		HIGH	QPSK	21.12	20.84	20.77	22.50	
	6	LOW	QPSK	19.73	19.81	19.84	21.50	
	1.4	1	LOW	Q16	19.82	20.10	20.16	21.50
			MID	Q16	19.84	20.19	20.00	21.50
HIGH			Q16	20.21	20.10	19.83	21.50	
3		LOW	Q16	19.78	20.00	20.09	21.50	
		MID	Q16	19.85	20.03	20.18	21.50	
		HIGH	Q16	20.04	19.96	19.86	21.50	
6		LOW	Q16	18.91	19.29	19.14	20.50	
1.4		1	LOW	64QAM	19.01	19.17	18.92	20.50
			MID	64QAM	18.99	18.77	19.04	20.50
	HIGH		64QAM	19.26	18.72	19.03	20.50	
	3	LOW	64QAM	19.08	19.02	19.07	20.50	
		MID	64QAM	18.87	19.07	19.23	20.50	
		HIGH	64QAM	19.25	18.95	19.05	20.50	
	6	LOW	64QAM	17.90	18.23	18.09	19.50	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	20.90	20.82	21.10	22.50
MID			QPSK	21.00	20.80	20.94	22.50	
HIGH			QPSK	21.24	21.07	20.94	22.50	
8		LOW	QPSK	20.04	19.90	19.99	21.50	
		MID	QPSK	19.99	20.16	20.06	21.50	
		HIGH	QPSK	20.13	20.07	20.06	21.50	
15		LOW	QPSK	19.75	20.00	19.91	21.50	
3		1	LOW	Q16	19.75	20.11	20.02	21.50
			MID	Q16	19.96	20.12	20.24	21.50
	HIGH		Q16	20.23	19.88	19.80	21.50	
	8	LOW	Q16	18.77	18.84	19.18	20.50	
		MID	Q16	18.97	19.10	18.92	20.50	
		HIGH	Q16	19.12	18.96	18.89	20.50	
	15	LOW	Q16	19.15	19.26	19.15	20.50	
	3	1	LOW	64QAM	18.99	19.04	18.91	20.50
			MID	64QAM	19.01	18.95	19.29	20.50
HIGH			64QAM	19.17	19.01	19.05	20.50	
8		LOW	64QAM	17.88	18.22	18.18	19.50	
		MID	64QAM	17.82	17.96	17.73	19.50	
		HIGH	64QAM	18.07	18.13	18.15	19.50	
15		LOW	64QAM	17.85	18.12	17.90	19.50	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	21.04	20.97	21.11	22.50
	MID		QPSK	21.00	20.98	21.01	22.50	
	HIGH		QPSK	21.04	20.92	20.82	22.50	
	12	LOW	QPSK	20.09	19.90	20.15	21.50	
		MID	QPSK	19.92	20.15	20.05	21.50	
		HIGH	QPSK	20.06	20.08	19.87	21.50	
	25	LOW	QPSK	19.83	19.93	19.98	21.50	
	5	1	LOW	Q16	19.89	20.07	20.20	21.50
			MID	Q16	19.95	20.03	20.05	21.50
HIGH			Q16	20.06	19.95	20.09	21.50	
12		LOW	Q16	18.82	18.76	18.90	20.50	
		MID	Q16	19.07	18.94	19.06	20.50	
		HIGH	Q16	19.06	18.91	18.84	20.50	
25		LOW	Q16	18.94	19.18	19.10	20.50	
5		1	LOW	64QAM	19.13	19.24	19.09	20.50
			MID	64QAM	19.04	18.85	19.03	20.50
	HIGH		64QAM	19.17	18.72	19.06	20.50	
	12	LOW	64QAM	18.00	18.06	17.97	19.50	
		MID	64QAM	17.87	18.07	17.92	19.50	
		HIGH	64QAM	18.09	18.11	18.03	19.50	
	25	LOW	64QAM	18.09	18.14	18.00	19.50	

LTE B66-DSI4 -Ant.11									
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)		
10	1	LOW	QPSK	20.84	20.77	21.13	22.50		
		MID	QPSK	20.78	21.01	21.04	22.50		
		HIGH	QPSK	21.12	20.89	20.91	22.50		
	25	LOW	QPSK	20.16	19.79	20.07	21.50		
		MID	QPSK	20.05	20.20	19.97	21.50		
		HIGH	QPSK	20.27	20.15	19.83	21.50		
	50	LOW	QPSK	19.77	19.89	19.89	21.50		
	10	1	LOW	Q16	19.76	20.18	20.03	21.50	
			MID	Q16	19.99	20.02	20.24	21.50	
HIGH			Q16	20.29	19.94	19.99	21.50		
25		LOW	Q16	19.03	18.97	19.13	20.50		
		MID	Q16	18.91	18.94	18.88	20.50		
		HIGH	Q16	18.97	18.97	19.14	20.50		
50		LOW	Q16	19.08	19.01	19.19	20.50		
10		1	LOW	64QAM	19.15	19.22	19.05	20.50	
			MID	64QAM	18.88	18.91	19.13	20.50	
	HIGH		64QAM	18.99	18.85	18.97	20.50		
	25	LOW	64QAM	17.88	18.16	18.21	19.50		
		MID	64QAM	17.90	17.95	17.80	19.50		
		HIGH	64QAM	17.99	18.22	18.04	19.50		
	50	LOW	64QAM	17.99	18.13	18.19	19.50		
	15	15	1	LOW	QPSK	20.86	20.89	20.99	22.50
				MID	QPSK	21.01	21.06	20.84	22.50
HIGH				QPSK	21.25	21.03	20.78	22.50	
36			LOW	QPSK	20.01	20.04	20.17	21.50	
			MID	QPSK	19.85	19.98	20.19	21.50	
			HIGH	QPSK	20.08	20.16	19.89	21.50	
75			LOW	QPSK	19.99	19.71	19.91	21.50	
15			1	LOW	Q16	19.79	20.00	20.03	21.50
				MID	Q16	19.94	20.05	20.24	21.50
		HIGH		Q16	20.06	19.96	20.10	21.50	
		36	LOW	Q16	18.91	18.96	19.09	20.50	
			MID	Q16	18.91	19.13	18.92	20.50	
			HIGH	Q16	18.97	19.14	18.98	20.50	
		75	LOW	Q16	18.93	19.27	19.06	20.50	
		15	1	LOW	64QAM	19.16	19.02	19.00	20.50
				MID	64QAM	19.01	18.95	19.26	20.50
HIGH				64QAM	19.13	18.74	18.79	20.50	
36			LOW	64QAM	17.87	17.93	18.22	19.50	
	MID		64QAM	17.97	17.87	17.84	19.50		
	HIGH		64QAM	18.07	18.16	18.01	19.50		
75	LOW		64QAM	17.91	18.23	18.05	19.50		
20	20		1	LOW	QPSK	20.89	20.88	21.11	22.50
				MID	QPSK	20.89	20.91	20.89	22.50
		HIGH		QPSK	21.14	20.97	20.89	22.50	
		50	LOW	QPSK	20.11	19.91	20.08	21.50	
			MID	QPSK	20.00	20.10	20.05	21.50	
			HIGH	QPSK	20.14	20.09	19.92	21.50	
		100	LOW	QPSK	19.85	19.86	19.98	21.50	
		20	1	LOW	Q16	19.86	20.05	20.08	21.50
				MID	Q16	19.89	20.14	20.10	21.50
	HIGH			Q16	20.14	19.99	19.95	21.50	
	50		LOW	Q16	18.90	18.91	19.04	20.50	
			MID	Q16	19.02	18.98	18.97	20.50	
			HIGH	Q16	19.05	19.02	18.99	20.50	
	100		LOW	Q16	19.01	19.15	19.07	20.50	
	20		1	LOW	64QAM	19.03	19.12	18.96	20.50
				MID	64QAM	18.89	18.92	19.14	20.50
		HIGH		64QAM	19.11	18.86	18.91	20.50	
		50	LOW	64QAM	17.95	18.08	18.12	19.50	
			MID	64QAM	17.97	18.00	17.87	19.50	
			HIGH	64QAM	18.05	18.15	18.04	19.50	
		100	LOW	64QAM	18.07	18.12	18.05	19.50	

LTE B66-DSI8&9&10 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	131979	132322	132665	Tune-up power(dBm)	
1.4	1	LOW	QPSK	16.70	16.54	16.63	18.00	
		MID	QPSK	16.60	16.73	16.52	18.00	
		HIGH	QPSK	16.57	16.54	16.38	18.00	
	3	LOW	QPSK	16.52	16.53	16.62	18.00	
		MID	QPSK	16.57	16.73	16.49	18.00	
		HIGH	QPSK	16.76	16.50	16.24	18.00	
	6	LOW	QPSK	16.44	16.34	16.55	18.00	
	1.4	1	LOW	Q16	16.45	16.45	16.55	18.00
			MID	Q16	16.80	16.74	16.67	18.00
HIGH			Q16	16.44	16.30	16.60	18.00	
3		LOW	Q16	16.55	16.44	16.53	18.00	
		MID	Q16	16.67	16.52	16.56	18.00	
		HIGH	Q16	16.51	16.55	16.41	18.00	
6		LOW	Q16	16.49	16.41	16.65	18.00	
1.4		1	LOW	64QAM	16.33	16.54	16.35	18.00
			MID	64QAM	16.64	16.40	16.57	18.00
	HIGH		64QAM	16.63	16.46	16.43	18.00	
	3	LOW	64QAM	16.56	16.53	16.50	18.00	
		MID	64QAM	16.63	16.44	16.47	18.00	
		HIGH	64QAM	16.67	16.38	16.52	18.00	
	6	LOW	64QAM	16.56	16.34	16.54	18.00	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	131987	132322	132657	Tune-up power(dBm)
	3	1	LOW	QPSK	16.69	16.69	16.50	18.00
MID			QPSK	16.34	16.72	16.54	18.00	
HIGH			QPSK	16.57	16.36	16.44	18.00	
8		LOW	QPSK	16.40	16.56	16.37	18.00	
		MID	QPSK	16.56	16.46	16.53	18.00	
		HIGH	QPSK	16.35	16.52	16.52	18.00	
15		LOW	QPSK	16.33	16.50	16.43	18.00	
3		1	LOW	Q16	16.41	16.61	16.61	18.00
			MID	Q16	16.55	16.68	16.59	18.00
	HIGH		Q16	16.34	16.48	16.58	18.00	
	8	LOW	Q16	16.57	16.44	16.58	18.00	
		MID	Q16	16.50	16.70	16.37	18.00	
		HIGH	Q16	16.55	16.51	16.60	18.00	
	15	LOW	Q16	16.65	16.47	16.61	18.00	
	3	1	LOW	64QAM	16.52	16.54	16.30	18.00
			MID	64QAM	16.70	16.29	16.46	18.00
HIGH			64QAM	16.47	16.36	16.35	18.00	
8		LOW	64QAM	16.34	16.42	16.60	18.00	
		MID	64QAM	16.49	16.45	16.47	18.00	
		HIGH	64QAM	16.43	16.50	16.51	18.00	
15		LOW	64QAM	16.29	16.44	16.55	18.00	
Bandwidth (MHz)		RB Size	RB offset	Modulation	131997	132322	132647	Tune-up power(dBm)
5		1	LOW	QPSK	16.49	16.66	16.40	18.00
	MID		QPSK	16.44	16.59	16.50	18.00	
	HIGH		QPSK	16.75	16.59	16.20	18.00	
	12	LOW	QPSK	16.30	16.64	16.46	18.00	
		MID	QPSK	16.36	16.33	16.62	18.00	
		HIGH	QPSK	16.23	16.68	16.61	18.00	
	25	LOW	QPSK	16.49	16.51	16.27	18.00	
	5	1	LOW	Q16	16.50	16.52	16.45	18.00
			MID	Q16	16.72	16.69	16.60	18.00
HIGH			Q16	16.54	16.55	16.46	18.00	
12		LOW	Q16	16.49	16.51	16.50	18.00	
		MID	Q16	16.42	16.64	16.43	18.00	
		HIGH	Q16	16.46	16.30	16.60	18.00	
25		LOW	Q16	16.62	16.37	16.44	18.00	
5		1	LOW	64QAM	16.56	16.49	16.38	18.00
			MID	64QAM	16.66	16.38	16.57	18.00
	HIGH		64QAM	16.47	16.55	16.38	18.00	
	12	LOW	64QAM	16.32	16.53	16.60	18.00	
		MID	64QAM	16.62	16.51	16.31	18.00	
		HIGH	64QAM	16.43	16.43	16.72	18.00	
	25	LOW	64QAM	16.32	16.57	16.61	18.00	

LTE B66-DSI8&9&10 -Ant.11								
Bandwidth (MHz)	RB Size	RB offset	Modulation	132022	132322	132622	Tune-up power(dBm)	
10	1	LOW	QPSK	16.55	16.52	16.48	18.00	
		MID	QPSK	16.32	16.73	16.73	18.00	
		HIGH	QPSK	16.61	16.51	16.22	18.00	
	25	LOW	QPSK	16.54	16.45	16.57	18.00	
		MID	QPSK	16.63	16.60	16.38	18.00	
		HIGH	QPSK	16.28	16.52	16.51	18.00	
	50	LOW	QPSK	16.31	16.52	16.49	18.00	
	10	1	LOW	Q16	16.69	16.52	16.39	18.00
			MID	Q16	16.62	16.59	16.74	18.00
HIGH			Q16	16.29	16.45	16.41	18.00	
25		LOW	Q16	16.42	16.52	16.59	18.00	
		MID	Q16	16.48	16.68	16.59	18.00	
		HIGH	Q16	16.68	16.31	16.44	18.00	
50		LOW	Q16	16.58	16.53	16.73	18.00	
10		1	LOW	64QAM	16.46	16.53	16.56	18.00
			MID	64QAM	16.70	16.48	16.50	18.00
	HIGH		64QAM	16.64	16.32	16.35	18.00	
	25	LOW	64QAM	16.39	16.39	16.71	18.00	
		MID	64QAM	16.63	16.43	16.25	18.00	
		HIGH	64QAM	16.31	16.44	16.48	18.00	
	50	LOW	64QAM	16.43	16.44	16.58	18.00	
	15	1	LOW	QPSK	16.62	16.56	16.54	18.00
			MID	QPSK	16.35	16.67	16.59	18.00
HIGH			QPSK	16.52	16.56	16.20	18.00	
36		LOW	QPSK	16.58	16.50	16.38	18.00	
		MID	QPSK	16.51	16.49	16.62	18.00	
		HIGH	QPSK	16.35	16.58	16.57	18.00	
75		LOW	QPSK	16.31	16.48	16.40	18.00	
15		1	LOW	Q16	16.44	16.48	16.59	18.00
			MID	Q16	16.60	16.76	16.55	18.00
			HIGH	Q16	16.50	16.45	16.55	18.00
		36	LOW	Q16	16.51	16.34	16.56	18.00
			MID	Q16	16.66	16.50	16.38	18.00
	HIGH		Q16	16.72	16.53	16.70	18.00	
	75	LOW	Q16	16.65	16.38	16.48	18.00	
	15	1	LOW	64QAM	16.39	16.46	16.47	18.00
			MID	64QAM	16.61	16.25	16.57	18.00
HIGH			64QAM	16.51	16.57	16.53	18.00	
36		LOW	64QAM	16.35	16.64	16.46	18.00	
		MID	64QAM	16.50	16.60	16.52	18.00	
		HIGH	64QAM	16.24	16.52	16.67	18.00	
75		LOW	64QAM	16.56	16.48	16.71	18.00	
20		1	LOW	QPSK	16.56	16.55	16.54	18.00
			MID	QPSK	16.47	16.61	16.59	18.00
	HIGH		QPSK	16.64	16.45	16.35	18.00	
	50	LOW	QPSK	16.44	16.49	16.44	18.00	
		MID	QPSK	16.51	16.46	16.49	18.00	
		HIGH	QPSK	16.36	16.58	16.46	18.00	
	100	LOW	QPSK	16.44	16.44	16.42	18.00	
	20	1	LOW	Q16	16.54	16.52	16.54	18.00
			MID	Q16	16.65	16.63	16.64	18.00
			HIGH	Q16	16.40	16.41	16.54	18.00
		50	LOW	Q16	16.42	16.37	16.56	18.00
			MID	Q16	16.55	16.64	16.47	18.00
HIGH			Q16	16.59	16.43	16.58	18.00	
100		LOW	Q16	16.56	16.51	16.59	18.00	
20		1	LOW	64QAM	16.46	16.50	16.44	18.00
			MID	64QAM	16.61	16.39	16.43	18.00
	HIGH		64QAM	16.59	16.42	16.49	18.00	
	50	LOW	64QAM	16.36	16.49	16.58	18.00	
		MID	64QAM	16.63	16.57	16.38	18.00	
		HIGH	64QAM	16.38	16.48	16.59	18.00	
	100	LOW	64QAM	16.43	16.49	16.63	18.00	

## 8.3.12 LTE Band38 Output Power

LTE B38-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.18	23.28	22.92	24.70	
		MID	QPSK	23.31	23.36	22.93	24.70	
		HIGH	QPSK	23.17	22.96	23.09	24.70	
	12	LOW	QPSK	22.34	22.09	22.02	23.70	
		MID	QPSK	22.44	22.24	22.27	23.70	
		HIGH	QPSK	22.44	22.30	22.06	23.70	
	25	LOW	QPSK	22.38	22.31	22.14	23.70	
	5	1	LOW	Q16	22.53	22.19	22.20	23.70
			MID	Q16	22.30	22.03	21.95	23.70
HIGH			Q16	22.25	22.06	22.16	23.70	
12		LOW	Q16	21.24	21.38	21.01	22.70	
		MID	Q16	21.48	21.38	21.19	22.70	
		HIGH	Q16	21.40	21.39	21.05	22.70	
25		LOW	Q16	21.22	21.25	21.10	22.70	
5		1	LOW	64QAM	21.30	21.35	21.00	22.70
			MID	64QAM	21.39	21.09	20.86	22.70
	HIGH		64QAM	21.01	20.99	21.04	22.70	
	12	LOW	64QAM	20.36	20.08	20.22	21.70	
		MID	64QAM	20.36	20.40	20.13	21.70	
		HIGH	64QAM	20.31	20.36	19.96	21.70	
	25	LOW	64QAM	20.36	20.27	20.03	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.46	23.22	22.89	24.70
MID			QPSK	23.43	23.37	22.96	24.70	
HIGH			QPSK	23.23	23.18	23.03	24.70	
25		LOW	QPSK	22.44	22.32	22.07	23.70	
		MID	QPSK	22.56	22.35	22.04	23.70	
		HIGH	QPSK	22.30	22.39	22.08	23.70	
50		LOW	QPSK	22.47	22.24	22.13	23.70	
10		1	LOW	Q16	22.56	22.25	22.15	23.70
			MID	Q16	22.39	22.13	22.11	23.70
	HIGH		Q16	22.36	22.07	21.92	23.70	
	25	LOW	Q16	21.28	21.25	21.05	22.70	
		MID	Q16	21.32	21.19	21.18	22.70	
		HIGH	Q16	21.20	21.31	21.12	22.70	
	50	LOW	Q16	21.34	21.12	21.17	22.70	
	10	1	LOW	64QAM	21.35	21.40	21.11	22.70
			MID	64QAM	21.17	20.91	21.01	22.70
HIGH			64QAM	21.07	21.13	21.12	22.70	
25		LOW	64QAM	20.35	20.09	20.10	21.70	
		MID	64QAM	20.38	20.26	20.12	21.70	
		HIGH	64QAM	20.34	20.37	20.04	21.70	
50		LOW	64QAM	20.22	20.33	19.99	21.70	

LTE B38-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.37	23.34	22.98	24.70	
		MID	QPSK	23.40	23.28	23.15	24.70	
		HIGH	QPSK	23.08	23.09	23.08	24.70	
	36	LOW	QPSK	22.32	22.14	22.10	23.70	
		MID	QPSK	22.36	22.20	22.22	23.70	
		HIGH	QPSK	22.51	22.10	22.22	23.70	
	75	LOW	QPSK	22.28	22.25	22.21	23.70	
	15	1	LOW	Q16	22.32	22.20	21.92	23.70
			MID	Q16	22.49	22.03	22.00	23.70
HIGH			Q16	22.17	22.07	21.96	23.70	
36		LOW	Q16	21.28	21.33	21.10	22.70	
		MID	Q16	21.42	21.10	20.99	22.70	
		HIGH	Q16	21.28	21.20	20.94	22.70	
75		LOW	Q16	21.50	21.12	21.20	22.70	
15		1	LOW	64QAM	21.49	21.37	21.04	22.70
			MID	64QAM	21.19	21.16	20.82	22.70
	HIGH		64QAM	20.93	20.98	21.06	22.70	
	36	LOW	64QAM	20.29	20.16	20.04	21.70	
		MID	64QAM	20.20	20.30	20.26	21.70	
		HIGH	64QAM	20.29	20.17	19.99	21.70	
	75	LOW	64QAM	20.24	20.32	20.11	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.25	23.33	23.01	24.70
MID			QPSK	23.24	23.28	23.00	24.70	
HIGH			QPSK	23.10	23.21	22.94	24.70	
50		LOW	QPSK	22.23	22.30	22.14	23.70	
		MID	QPSK	22.24	22.41	22.13	23.70	
		HIGH	QPSK	22.25	22.37	22.08	23.70	
100		LOW	QPSK	22.20	22.38	22.09	23.70	
20		1	LOW	Q16	22.43	22.25	22.07	23.70
			MID	Q16	22.44	22.14	22.04	23.70
	HIGH		Q16	22.22	22.12	22.03	23.70	
	50	LOW	Q16	21.30	21.25	21.14	22.70	
		MID	Q16	21.36	21.23	21.11	22.70	
		HIGH	Q16	21.30	21.24	21.07	22.70	
	100	LOW	Q16	21.36	21.23	21.11	22.70	
	20	1	LOW	64QAM	21.38	21.28	21.08	22.70
			MID	64QAM	21.30	21.02	20.90	22.70
HIGH			64QAM	21.07	21.07	21.01	22.70	
50		LOW	64QAM	20.21	20.20	20.14	21.70	
		MID	64QAM	20.27	20.38	20.18	21.70	
		HIGH	64QAM	20.42	20.27	19.92	21.70	
100		LOW	64QAM	20.33	20.22	19.99	21.70	

LTE B38-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	15.56	15.24	15.23	16.70	
		MID	QPSK	15.42	15.26	15.29	16.70	
		HIGH	QPSK	15.38	15.29	14.95	16.70	
	12	LOW	QPSK	15.61	15.17	15.15	16.70	
		MID	QPSK	15.60	15.41	15.18	16.70	
		HIGH	QPSK	15.38	15.32	15.07	16.70	
	25	LOW	QPSK	15.35	15.38	15.31	16.70	
	5	1	LOW	Q16	15.66	15.31	15.40	16.70
			MID	Q16	15.59	15.55	15.25	16.70
HIGH			Q16	15.36	15.33	15.05	16.70	
12		LOW	Q16	15.68	15.44	15.10	16.70	
		MID	Q16	15.62	15.32	15.06	16.70	
		HIGH	Q16	15.50	15.36	15.25	16.70	
25		LOW	Q16	15.55	15.42	15.27	16.70	
5		1	LOW	64QAM	15.62	15.54	15.41	16.70
			MID	64QAM	15.46	15.21	15.00	16.70
	HIGH		64QAM	15.46	15.24	15.00	16.70	
	12	LOW	64QAM	15.30	15.12	15.44	16.70	
		MID	64QAM	15.64	15.27	15.35	16.70	
		HIGH	64QAM	15.35	15.31	15.07	16.70	
	25	LOW	64QAM	15.33	15.25	15.30	16.70	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	15.63	15.29	15.18	16.70
MID			QPSK	15.64	15.27	15.18	16.70	
HIGH			QPSK	15.43	15.46	15.02	16.70	
25		LOW	QPSK	15.40	15.15	15.41	16.70	
		MID	QPSK	15.49	15.45	15.34	16.70	
		HIGH	QPSK	15.44	15.34	15.07	16.70	
50		LOW	QPSK	15.44	15.46	15.18	16.70	
10		1	LOW	Q16	15.41	15.41	15.27	16.70
			MID	Q16	15.40	15.47	15.10	16.70
	HIGH		Q16	15.36	15.21	15.25	16.70	
	25	LOW	Q16	15.38	15.31	15.18	16.70	
		MID	Q16	15.35	15.30	15.08	16.70	
		HIGH	Q16	15.35	15.47	15.21	16.70	
	50	LOW	Q16	15.49	15.18	15.32	16.70	
	10	1	LOW	64QAM	15.43	15.67	15.25	16.70
			MID	64QAM	15.37	15.23	15.11	16.70
HIGH			64QAM	15.63	15.18	15.19	16.70	
25		LOW	64QAM	15.25	15.17	15.15	16.70	
		MID	64QAM	15.48	15.33	15.15	16.70	
		HIGH	64QAM	15.31	15.21	15.07	16.70	
50		LOW	64QAM	15.37	15.33	15.24	16.70	



LTE B38-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	15.49	15.28	15.16	16.70	
		MID	QPSK	15.45	15.40	15.23	16.70	
		HIGH	QPSK	15.49	15.27	15.08	16.70	
	36	LOW	QPSK	15.52	15.44	15.22	16.70	
		MID	QPSK	15.59	15.40	15.13	16.70	
		HIGH	QPSK	15.61	15.23	15.18	16.70	
	75	LOW	QPSK	15.56	15.43	15.10	16.70	
	15	1	LOW	Q16	15.47	15.51	15.34	16.70
			MID	Q16	15.65	15.37	15.13	16.70
HIGH			Q16	15.56	15.49	15.21	16.70	
36		LOW	Q16	15.63	15.46	15.31	16.70	
		MID	Q16	15.63	15.23	15.35	16.70	
		HIGH	Q16	15.37	15.19	15.06	16.70	
75		LOW	Q16	15.48	15.46	15.17	16.70	
15		1	LOW	64QAM	15.61	15.38	15.52	16.70
			MID	64QAM	15.36	15.31	15.28	16.70
	HIGH		64QAM	15.75	15.15	15.19	16.70	
	36	LOW	64QAM	15.51	15.13	15.34	16.70	
		MID	64QAM	15.65	15.42	15.32	16.70	
		HIGH	64QAM	15.44	15.22	15.08	16.70	
	75	LOW	64QAM	15.48	15.08	15.27	16.70	
	Bandwidth (	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	15.33	15.48	15.19	16.70
MID			QPSK	15.34	15.50	15.14	16.70	
HIGH			QPSK	15.33	15.34	15.00	16.70	
50		LOW	QPSK	15.30	15.52	15.26	16.70	
		MID	QPSK	15.34	15.50	15.24	16.70	
		HIGH	QPSK	15.32	15.48	15.19	16.70	
100		LOW	QPSK	15.31	15.50	15.21	16.70	
20		1	LOW	Q16	15.55	15.43	15.33	16.70
			MID	Q16	15.50	15.43	15.19	16.70
	HIGH		Q16	15.49	15.35	15.13	16.70	
	50	LOW	Q16	15.53	15.32	15.22	16.70	
		MID	Q16	15.49	15.31	15.21	16.70	
		HIGH	Q16	15.41	15.32	15.16	16.70	
	100	LOW	Q16	15.46	15.31	15.21	16.70	
	20	1	LOW	64QAM	15.54	15.52	15.40	16.70
			MID	64QAM	15.37	15.32	15.13	16.70
HIGH			64QAM	15.60	15.29	15.13	16.70	
50		LOW	64QAM	15.40	15.20	15.29	16.70	
		MID	64QAM	15.57	15.30	15.26	16.70	
		HIGH	64QAM	15.46	15.30	15.09	16.70	
100		LOW	64QAM	15.36	15.19	15.28	16.70	

LTE B38-DSI4 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.18	23.28	22.92	24.70	
		MID	QPSK	23.31	23.36	22.93	24.70	
		HIGH	QPSK	23.17	22.96	23.09	24.70	
	12	LOW	QPSK	22.34	22.09	22.02	23.70	
		MID	QPSK	22.44	22.24	22.27	23.70	
		HIGH	QPSK	22.44	22.30	22.06	23.70	
	25	LOW	QPSK	22.38	22.31	22.14	23.70	
	5	1	LOW	Q16	22.53	22.19	22.20	23.70
			MID	Q16	22.30	22.03	21.95	23.70
HIGH			Q16	22.25	22.06	22.16	23.70	
12		LOW	Q16	21.24	21.38	21.01	22.70	
		MID	Q16	21.48	21.38	21.19	22.70	
		HIGH	Q16	21.40	21.39	21.05	22.70	
25		LOW	Q16	21.22	21.25	21.10	22.70	
5		1	LOW	64QAM	21.30	21.35	21.00	22.70
			MID	64QAM	21.39	21.09	20.86	22.70
	HIGH		64QAM	21.01	20.99	21.04	22.70	
	12	LOW	64QAM	20.36	20.08	20.22	21.70	
		MID	64QAM	20.36	20.40	20.13	21.70	
		HIGH	64QAM	20.31	20.36	19.96	21.70	
	25	LOW	64QAM	20.36	20.27	20.03	21.70	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.46	23.22	22.89	24.70
MID			QPSK	23.43	23.37	22.96	24.70	
HIGH			QPSK	23.23	23.18	23.03	24.70	
25		LOW	QPSK	22.44	22.32	22.07	23.70	
		MID	QPSK	22.56	22.35	22.04	23.70	
		HIGH	QPSK	22.30	22.39	22.08	23.70	
50		LOW	QPSK	22.47	22.24	22.13	23.70	
10		1	LOW	Q16	22.56	22.25	22.15	23.70
			MID	Q16	22.39	22.13	22.11	23.70
	HIGH		Q16	22.36	22.07	21.92	23.70	
	25	LOW	Q16	21.28	21.25	21.05	22.70	
		MID	Q16	21.32	21.19	21.18	22.70	
		HIGH	Q16	21.20	21.31	21.12	22.70	
	50	LOW	Q16	21.34	21.12	21.17	22.70	
	10	1	LOW	64QAM	21.35	21.40	21.11	22.70
			MID	64QAM	21.17	20.91	21.01	22.70
HIGH			64QAM	21.07	21.13	21.12	22.70	
25		LOW	64QAM	20.35	20.09	20.10	21.70	
		MID	64QAM	20.38	20.26	20.12	21.70	
		HIGH	64QAM	20.34	20.37	20.04	21.70	
50		LOW	64QAM	20.22	20.33	19.99	21.70	

LTE B38-DS14 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.37	23.34	22.98	24.70	
		MID	QPSK	23.40	23.28	23.15	24.70	
		HIGH	QPSK	23.08	23.09	23.08	24.70	
	36	LOW	QPSK	22.32	22.14	22.10	23.70	
		MID	QPSK	22.36	22.20	22.22	23.70	
		HIGH	QPSK	22.51	22.10	22.22	23.70	
	75	LOW	QPSK	22.28	22.25	22.21	23.70	
	15	1	LOW	Q16	22.32	22.20	21.92	23.70
			MID	Q16	22.49	22.03	22.00	23.70
HIGH			Q16	22.17	22.07	21.96	23.70	
36		LOW	Q16	21.28	21.33	21.10	22.70	
		MID	Q16	21.42	21.10	20.99	22.70	
		HIGH	Q16	21.28	21.20	20.94	22.70	
75		LOW	Q16	21.50	21.12	21.20	22.70	
15		1	LOW	64QAM	21.49	21.37	21.04	22.70
			MID	64QAM	21.19	21.16	20.82	22.70
	HIGH		64QAM	20.93	20.98	21.06	22.70	
	36	LOW	64QAM	20.29	20.16	20.04	21.70	
		MID	64QAM	20.20	20.30	20.26	21.70	
		HIGH	64QAM	20.29	20.17	19.99	21.70	
	75	LOW	64QAM	20.24	20.32	20.11	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.25	23.33	23.01	24.70
MID			QPSK	23.24	23.28	23.00	24.70	
HIGH			QPSK	23.10	23.21	22.94	24.70	
50		LOW	QPSK	22.23	22.30	22.14	23.70	
		MID	QPSK	22.24	22.41	22.13	23.70	
		HIGH	QPSK	22.25	22.37	22.08	23.70	
100		LOW	QPSK	22.20	22.38	22.09	23.70	
20		1	LOW	Q16	22.43	22.25	22.07	23.70
			MID	Q16	22.44	22.14	22.04	23.70
	HIGH		Q16	22.22	22.12	22.03	23.70	
	50	LOW	Q16	21.30	21.25	21.14	22.70	
		MID	Q16	21.36	21.23	21.11	22.70	
		HIGH	Q16	21.30	21.24	21.07	22.70	
	100	LOW	Q16	21.36	21.23	21.11	22.70	
	20	1	LOW	64QAM	21.38	21.28	21.08	22.70
			MID	64QAM	21.30	21.02	20.90	22.70
HIGH			64QAM	21.07	21.07	21.01	22.70	
50		LOW	64QAM	20.21	20.20	20.14	21.70	
		MID	64QAM	20.27	20.38	20.18	21.70	
		HIGH	64QAM	20.42	20.27	19.92	21.70	
100		LOW	64QAM	20.33	20.22	19.99	21.70	

LTE B38-DS15 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	21.01	20.88	20.62	22.20	
		MID	QPSK	20.96	20.82	20.62	22.20	
		HIGH	QPSK	20.70	20.55	20.31	22.20	
	12	LOW	QPSK	20.77	20.91	20.71	22.20	
		MID	QPSK	20.96	20.90	20.73	22.20	
		HIGH	QPSK	20.98	20.84	20.66	22.20	
	25	LOW	QPSK	20.82	20.70	20.63	22.20	
	5	1	LOW	Q16	20.94	20.85	20.61	22.20
			MID	Q16	20.92	20.60	20.63	22.20
HIGH			Q16	20.78	20.70	20.40	22.20	
12		LOW	Q16	20.87	20.70	20.80	22.20	
		MID	Q16	20.90	20.79	20.52	22.20	
		HIGH	Q16	20.96	20.71	20.62	22.20	
25		LOW	Q16	20.78	20.69	20.68	22.20	
5		1	LOW	64QAM	21.09	21.03	20.72	22.20
			MID	64QAM	20.83	20.84	20.54	22.20
	HIGH		64QAM	20.87	20.47	20.58	22.20	
	12	LOW	64QAM	20.40	20.40	20.17	21.70	
		MID	64QAM	20.51	20.22	20.13	21.70	
		HIGH	64QAM	20.41	20.44	20.28	21.70	
	25	LOW	64QAM	20.32	20.01	20.42	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	20.74	20.70	20.71	22.20
MID			QPSK	20.88	20.81	20.47	22.20	
HIGH			QPSK	20.64	20.77	20.52	22.20	
25		LOW	QPSK	20.79	20.82	20.76	22.20	
		MID	QPSK	20.91	20.92	20.76	22.20	
		HIGH	QPSK	20.91	20.98	20.49	22.20	
50		LOW	QPSK	20.98	20.89	20.56	22.20	
10		1	LOW	Q16	20.97	20.98	20.76	22.20
			MID	Q16	20.85	20.85	20.72	22.20
	HIGH		Q16	20.82	20.75	20.42	22.20	
	25	LOW	Q16	20.76	20.75	20.57	22.20	
		MID	Q16	21.02	20.61	20.53	22.20	
		HIGH	Q16	20.98	20.74	20.55	22.20	
	50	LOW	Q16	21.02	20.60	20.64	22.20	
	10	1	LOW	64QAM	21.11	20.91	20.57	22.20
			MID	64QAM	21.11	20.69	20.79	22.20
HIGH			64QAM	20.75	20.74	20.44	22.20	
25		LOW	64QAM	20.46	20.42	20.25	21.70	
		MID	64QAM	20.71	20.32	20.08	21.70	
		HIGH	64QAM	20.34	20.37	20.34	21.70	
50		LOW	64QAM	20.53	20.04	20.30	21.70	

LTE B38-DS15 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	20.96	20.71	20.64	22.20	
		MID	QPSK	20.77	20.85	20.71	22.20	
		HIGH	QPSK	20.78	20.68	20.38	22.20	
	36	LOW	QPSK	20.84	20.91	20.60	22.20	
		MID	QPSK	20.90	20.73	20.83	22.20	
		HIGH	QPSK	20.85	20.96	20.72	22.20	
	75	LOW	QPSK	20.82	20.71	20.68	22.20	
	15	1	LOW	Q16	21.09	20.89	20.73	22.20
			MID	Q16	20.94	20.60	20.62	22.20
HIGH			Q16	20.99	20.84	20.51	22.20	
36		LOW	Q16	20.81	20.74	20.54	22.20	
		MID	Q16	20.79	20.82	20.69	22.20	
		HIGH	Q16	20.75	20.95	20.52	22.20	
75		LOW	Q16	20.96	20.72	20.80	22.20	
15		1	LOW	64QAM	21.14	20.96	20.47	22.20
			MID	64QAM	20.89	20.70	20.59	22.20
	HIGH		64QAM	20.75	20.76	20.48	22.20	
	36	LOW	64QAM	20.63	20.41	20.15	21.70	
		MID	64QAM	20.47	20.22	20.21	21.70	
		HIGH	64QAM	20.58	20.42	20.25	21.70	
	75	LOW	64QAM	20.50	19.99	20.34	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	20.80	20.89	20.62	22.20
MID			QPSK	20.77	20.90	20.57	22.20	
HIGH			QPSK	20.65	20.78	20.46	22.20	
50		LOW	QPSK	20.78	20.88	20.69	22.20	
		MID	QPSK	20.78	20.95	20.70	22.20	
		HIGH	QPSK	20.84	20.92	20.62	22.20	
100		LOW	QPSK	20.77	20.93	20.66	22.20	
20		1	LOW	Q16	20.98	20.84	20.70	22.20
			MID	Q16	20.89	20.71	20.61	22.20
	HIGH		Q16	20.92	20.71	20.48	22.20	
	50	LOW	Q16	20.86	20.78	20.69	22.20	
		MID	Q16	20.92	20.76	20.63	22.20	
		HIGH	Q16	20.89	20.81	20.61	22.20	
	100	LOW	Q16	20.89	20.74	20.65	22.20	
	20	1	LOW	64QAM	21.09	20.94	20.59	22.20
			MID	64QAM	20.96	20.76	20.65	22.20
HIGH			64QAM	20.84	20.62	20.45	22.20	
50		LOW	64QAM	20.50	20.40	20.25	21.70	
		MID	64QAM	20.57	20.19	20.19	21.70	
		HIGH	64QAM	20.48	20.31	20.22	21.70	
100		LOW	64QAM	20.41	20.12	20.30	21.70	

LTE B38-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	16.74	17.04	16.69	18.20	
		MID	QPSK	16.91	16.77	16.71	18.20	
		HIGH	QPSK	17.00	16.93	16.61	18.20	
	12	LOW	QPSK	17.08	16.87	16.85	18.20	
		MID	QPSK	16.84	16.80	16.62	18.20	
		HIGH	QPSK	16.86	16.89	16.65	18.20	
	25	LOW	QPSK	16.91	16.79	16.82	18.20	
	5	1	LOW	Q16	17.18	16.80	16.67	18.20
			MID	Q16	16.93	16.85	16.70	18.20
HIGH			Q16	16.90	16.87	16.56	18.20	
12		LOW	Q16	17.04	16.75	16.75	18.20	
		MID	Q16	17.07	16.82	16.71	18.20	
		HIGH	Q16	17.04	16.94	16.59	18.20	
25		LOW	Q16	17.07	16.93	16.84	18.20	
5		1	LOW	64QAM	17.02	16.86	16.99	18.20
			MID	64QAM	17.01	16.83	16.50	18.20
	HIGH		64QAM	16.82	16.48	16.68	18.20	
	12	LOW	64QAM	16.83	16.85	16.85	18.20	
		MID	64QAM	16.98	17.05	16.71	18.20	
		HIGH	64QAM	16.72	16.84	16.68	18.20	
	25	LOW	64QAM	16.96	16.85	16.80	18.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	17.11	16.75	16.71	18.20
MID			QPSK	16.97	16.89	16.52	18.20	
HIGH			QPSK	16.85	16.71	16.48	18.20	
25		LOW	QPSK	16.90	16.77	16.81	18.20	
		MID	QPSK	17.10	16.83	16.76	18.20	
		HIGH	QPSK	17.06	16.77	16.67	18.20	
50		LOW	QPSK	16.92	16.83	16.77	18.20	
10		1	LOW	Q16	17.16	16.78	16.56	18.20
			MID	Q16	17.07	17.00	16.63	18.20
	HIGH		Q16	16.93	16.71	16.40	18.20	
	25	LOW	Q16	17.08	16.92	16.80	18.20	
		MID	Q16	16.96	16.88	16.81	18.20	
		HIGH	Q16	16.81	16.84	16.76	18.20	
	50	LOW	Q16	16.96	16.87	16.69	18.20	
	10	1	LOW	64QAM	17.05	17.04	16.81	18.20
			MID	64QAM	17.02	16.86	16.42	18.20
HIGH			64QAM	16.95	16.58	16.69	18.20	
25		LOW	64QAM	16.82	16.72	16.66	18.20	
		MID	64QAM	16.97	16.99	16.53	18.20	
		HIGH	64QAM	16.85	16.98	16.82	18.20	
50		LOW	64QAM	16.90	16.79	16.77	18.20	

LTE B38-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	17.03	16.82	16.60	18.20	
		MID	QPSK	16.95	16.74	16.71	18.20	
		HIGH	QPSK	16.98	16.66	16.38	18.20	
	36	LOW	QPSK	16.76	16.83	16.89	18.20	
		MID	QPSK	16.82	16.80	16.55	18.20	
		HIGH	QPSK	17.05	16.95	16.68	18.20	
	75	LOW	QPSK	16.91	16.71	16.66	18.20	
	15	1	LOW	Q16	17.11	16.93	16.88	18.20
			MID	Q16	16.96	16.90	16.57	18.20
HIGH			Q16	16.86	16.57	16.54	18.20	
36		LOW	Q16	16.93	16.91	16.56	18.20	
		MID	Q16	17.11	16.91	16.80	18.20	
		HIGH	Q16	16.98	16.76	16.65	18.20	
75		LOW	Q16	17.13	16.67	16.54	18.20	
15		1	LOW	64QAM	17.07	16.93	16.88	18.20
			MID	64QAM	17.11	16.89	16.39	18.20
	HIGH		64QAM	16.81	16.42	16.51	18.20	
	36	LOW	64QAM	16.89	16.85	16.96	18.20	
		MID	64QAM	17.25	16.84	16.49	18.20	
		HIGH	64QAM	16.81	16.95	16.61	18.20	
	75	LOW	64QAM	16.88	16.81	16.76	18.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	16.83	16.92	16.72	18.20
MID			QPSK	16.80	16.90	16.68	18.20	
HIGH			QPSK	16.85	16.79	16.58	18.20	
50		LOW	QPSK	16.85	16.89	16.81	18.20	
		MID	QPSK	16.87	17.02	16.68	18.20	
		HIGH	QPSK	16.82	17.01	16.66	18.20	
100		LOW	QPSK	16.81	16.99	16.63	18.20	
20		1	LOW	Q16	17.08	16.87	16.71	18.20
			MID	Q16	17.06	16.97	16.62	18.20
	HIGH		Q16	16.86	16.72	16.61	18.20	
	50	LOW	Q16	16.92	16.83	16.73	18.20	
		MID	Q16	16.97	16.82	16.82	18.20	
		HIGH	Q16	16.87	16.79	16.69	18.20	
	100	LOW	Q16	16.99	16.80	16.73	18.20	
	20	1	LOW	64QAM	17.03	17.04	16.85	18.20
			MID	64QAM	17.15	16.87	16.52	18.20
HIGH			64QAM	16.99	16.59	16.53	18.20	
50		LOW	64QAM	16.99	16.66	16.89	18.20	
		MID	64QAM	17.09	17.01	16.65	18.20	
		HIGH	64QAM	16.81	17.07	16.73	18.20	
100		LOW	64QAM	17.06	16.60	16.93	18.20	

## 8.3.12 LTE Band38 Output Power

LTE B38-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.43	23.40	23.13	24.70	
		MID	QPSK	23.37	23.42	23.37	24.70	
		HIGH	QPSK	23.37	23.36	23.15	24.70	
	12	LOW	QPSK	22.54	22.31	22.14	23.70	
		MID	QPSK	22.51	22.52	22.10	23.70	
		HIGH	QPSK	22.34	22.41	22.45	23.70	
	25	LOW	QPSK	22.61	22.35	22.20	23.70	
	5	1	LOW	Q16	22.47	22.55	22.54	23.70
			MID	Q16	22.54	22.69	22.27	23.70
HIGH			Q16	22.42	22.32	22.62	23.70	
12		LOW	Q16	21.35	21.33	21.01	22.70	
		MID	Q16	21.24	21.21	21.20	22.70	
		HIGH	Q16	21.37	21.41	21.27	22.70	
25		LOW	Q16	21.33	21.50	21.31	22.70	
5		1	LOW	64QAM	21.06	21.13	21.14	22.70
			MID	64QAM	21.20	21.03	21.31	22.70
	HIGH		64QAM	21.40	21.03	21.32	22.70	
	12	LOW	64QAM	20.59	20.23	20.30	21.70	
		MID	64QAM	20.15	20.59	20.31	21.70	
		HIGH	64QAM	20.42	20.16	20.29	21.70	
	25	LOW	64QAM	20.51	20.26	20.55	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.38	23.34	23.33	24.70
MID			QPSK	23.49	23.56	23.40	24.70	
HIGH			QPSK	23.25	23.25	23.32	24.70	
25		LOW	QPSK	22.53	22.42	22.24	23.70	
		MID	QPSK	22.35	22.47	22.38	23.70	
		HIGH	QPSK	22.38	22.34	22.67	23.70	
50		LOW	QPSK	22.57	22.32	22.23	23.70	
10		1	LOW	Q16	22.38	22.48	22.60	23.70
			MID	Q16	22.36	22.59	22.49	23.70
	HIGH		Q16	22.19	22.24	22.71	23.70	
	25	LOW	Q16	21.42	21.25	21.19	22.70	
		MID	Q16	21.21	21.30	21.33	22.70	
		HIGH	Q16	21.37	21.23	21.39	22.70	
	50	LOW	Q16	21.23	21.45	21.25	22.70	
	10	1	LOW	64QAM	21.15	21.14	21.13	22.70
			MID	64QAM	21.43	21.07	21.24	22.70
HIGH			64QAM	21.27	21.20	21.18	22.70	
25		LOW	64QAM	20.49	20.23	20.15	21.70	
		MID	64QAM	20.22	20.60	20.54	21.70	
		HIGH	64QAM	20.37	20.29	20.37	21.70	
50		LOW	64QAM	20.53	20.03	20.46	21.70	



LTE B38-Full Power -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.34	23.18	23.15	24.70	
		MID	QPSK	23.60	23.41	23.38	24.70	
		HIGH	QPSK	23.37	23.21	23.31	24.70	
	36	LOW	QPSK	22.51	22.48	22.25	23.70	
		MID	QPSK	22.33	22.67	22.39	23.70	
		HIGH	QPSK	22.56	22.25	22.60	23.70	
	75	LOW	QPSK	22.54	22.32	22.06	23.70	
	15	1	LOW	Q16	22.33	22.65	22.46	23.70
			MID	Q16	22.54	22.61	22.52	23.70
HIGH			Q16	22.43	22.26	22.80	23.70	
36		LOW	Q16	21.46	21.42	21.11	22.70	
		MID	Q16	21.30	21.27	21.32	22.70	
		HIGH	Q16	21.57	21.23	21.28	22.70	
75		LOW	Q16	21.37	21.53	21.30	22.70	
15		1	LOW	64QAM	21.33	21.27	21.37	22.70
			MID	64QAM	21.37	21.06	21.22	22.70
	HIGH		64QAM	21.23	20.99	21.22	22.70	
	36	LOW	64QAM	20.55	20.44	20.21	21.70	
		MID	64QAM	20.19	20.37	20.42	21.70	
		HIGH	64QAM	20.32	20.13	20.18	21.70	
	75	LOW	64QAM	20.52	20.21	20.49	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.39	23.33	23.25	24.70
MID			QPSK	23.49	23.46	23.40	24.70	
HIGH			QPSK	23.40	23.28	23.29	24.70	
50		LOW	QPSK	22.41	22.36	22.23	23.70	
		MID	QPSK	22.36	22.55	22.25	23.70	
		HIGH	QPSK	22.45	22.29	22.52	23.70	
100		LOW	QPSK	22.49	22.32	22.12	23.70	
20		1	LOW	Q16	22.33	22.52	22.50	23.70
			MID	Q16	22.51	22.66	22.40	23.70
	HIGH		Q16	22.34	22.32	22.71	23.70	
	50	LOW	Q16	21.45	21.33	21.14	22.70	
		MID	Q16	21.35	21.29	21.32	22.70	
		HIGH	Q16	21.46	21.28	21.29	22.70	
	100	LOW	Q16	21.36	21.45	21.35	22.70	
	20	1	LOW	64QAM	21.18	21.19	21.22	22.70
			MID	64QAM	21.34	21.07	21.28	22.70
HIGH			64QAM	21.37	21.10	21.23	22.70	
50		LOW	64QAM	20.52	20.37	20.18	21.70	
		MID	64QAM	20.25	20.45	20.46	21.70	
		HIGH	64QAM	20.36	20.27	20.24	21.70	
100		LOW	64QAM	20.51	20.17	20.51	21.70	

LTE B38-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	13.72	13.54	13.53	14.20	
		MID	QPSK	13.49	13.55	13.71	14.20	
		HIGH	QPSK	13.55	13.51	13.49	14.20	
	12	LOW	QPSK	13.72	13.71	13.79	14.20	
		MID	QPSK	13.69	13.73	13.38	14.20	
		HIGH	QPSK	13.61	13.56	13.49	14.20	
	25	LOW	QPSK	13.48	13.63	13.73	14.20	
	5	1	LOW	Q16	13.70	13.76	13.64	14.20
			MID	Q16	13.75	13.83	13.67	14.20
HIGH			Q16	13.82	13.83	13.82	14.20	
12		LOW	Q16	13.49	13.57	13.61	14.20	
		MID	Q16	13.59	13.68	13.77	14.20	
		HIGH	Q16	13.57	13.70	13.48	14.20	
25		LOW	Q16	13.81	13.44	13.66	14.20	
5		1	LOW	64QAM	13.31	13.61	13.44	14.20
			MID	64QAM	13.25	13.63	13.57	14.20
	HIGH		64QAM	13.39	13.48	13.72	14.20	
	12	LOW	64QAM	13.61	13.51	13.98	14.20	
		MID	64QAM	13.60	13.64	13.76	14.20	
		HIGH	64QAM	13.57	13.61	13.51	14.20	
	25	LOW	64QAM	13.90	13.57	13.85	14.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	13.61	13.65	13.62	14.20
MID			QPSK	13.44	13.62	13.59	14.20	
HIGH			QPSK	13.78	13.57	13.55	14.20	
25		LOW	QPSK	13.94	13.57	13.85	14.20	
		MID	QPSK	13.59	13.66	13.34	14.20	
		HIGH	QPSK	13.87	13.60	13.52	14.20	
50		LOW	QPSK	13.57	13.70	13.59	14.20	
10		1	LOW	Q16	14.00	13.74	13.68	14.20
			MID	Q16	13.69	14.04	13.68	14.20
	HIGH		Q16	13.63	13.97	13.89	14.20	
	25	LOW	Q16	13.61	13.74	13.79	14.20	
		MID	Q16	13.70	13.81	13.73	14.20	
		HIGH	Q16	13.56	13.70	13.54	14.20	
	50	LOW	Q16	13.96	13.50	13.77	14.20	
	10	1	LOW	64QAM	13.35	13.50	13.39	14.20
			MID	64QAM	13.36	13.48	13.64	14.20
HIGH			64QAM	13.50	13.69	13.75	14.20	
25		LOW	64QAM	13.51	13.76	13.93	14.20	
		MID	64QAM	13.68	13.74	13.66	14.20	
		HIGH	64QAM	13.54	13.46	13.62	14.20	
50		LOW	64QAM	13.69	13.71	13.77	14.20	

LTE B38-DSI2&3 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	13.54	13.52	13.59	14.20	
		MID	QPSK	13.54	13.81	13.75	14.20	
		HIGH	QPSK	13.66	13.41	13.44	14.20	
	36	LOW	QPSK	13.76	13.50	13.92	14.20	
		MID	QPSK	13.58	13.75	13.50	14.20	
		HIGH	QPSK	13.86	13.62	13.44	14.20	
	75	LOW	QPSK	13.71	13.70	13.59	14.20	
	15	1	LOW	Q16	13.96	13.91	13.80	14.20
			MID	Q16	13.74	13.94	13.69	14.20
HIGH			Q16	13.85	14.07	13.63	14.20	
36		LOW	Q16	13.47	13.80	13.67	14.20	
		MID	Q16	13.66	13.75	13.47	14.20	
		HIGH	Q16	13.61	13.63	13.45	14.20	
75		LOW	Q16	13.70	13.35	13.79	14.20	
15		1	LOW	64QAM	13.46	13.59	13.48	14.20
			MID	64QAM	13.47	13.60	13.52	14.20
	HIGH		64QAM	13.25	13.53	13.66	14.20	
	36	LOW	64QAM	13.32	13.77	13.80	14.20	
		MID	64QAM	13.75	13.88	13.86	14.20	
		HIGH	64QAM	13.61	13.70	13.69	14.20	
	75	LOW	64QAM	13.92	13.49	13.87	14.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	13.58	13.59	13.65	14.20
MID			QPSK	13.59	13.68	13.62	14.20	
HIGH			QPSK	13.67	13.56	13.44	14.20	
50		LOW	QPSK	13.79	13.59	13.78	14.20	
		MID	QPSK	13.73	13.62	13.48	14.20	
		HIGH	QPSK	13.72	13.69	13.53	14.20	
100		LOW	QPSK	13.63	13.66	13.65	14.20	
20		1	LOW	Q16	13.85	13.77	13.79	14.20
			MID	Q16	13.77	13.96	13.82	14.20
	HIGH		Q16	13.72	13.95	13.78	14.20	
	50	LOW	Q16	13.54	13.65	13.67	14.20	
		MID	Q16	13.58	13.83	13.62	14.20	
		HIGH	Q16	13.68	13.66	13.52	14.20	
	100	LOW	Q16	13.83	13.49	13.76	14.20	
	20	1	LOW	64QAM	13.38	13.48	13.45	14.20
			MID	64QAM	13.39	13.61	13.56	14.20
HIGH			64QAM	13.36	13.63	13.68	14.20	
50		LOW	64QAM	13.47	13.66	13.83	14.20	
		MID	64QAM	13.69	13.75	13.72	14.20	
		HIGH	64QAM	13.68	13.57	13.54	14.20	
100		LOW	64QAM	13.77	13.63	13.72	14.20	

LTE B38-DSI4 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.43	23.40	23.13	24.70	
		MID	QPSK	23.37	23.42	23.37	24.70	
		HIGH	QPSK	23.37	23.36	23.15	24.70	
	12	LOW	QPSK	22.54	22.31	22.14	23.70	
		MID	QPSK	22.51	22.52	22.10	23.70	
		HIGH	QPSK	22.34	22.41	22.45	23.70	
	25	LOW	QPSK	22.61	22.35	22.20	23.70	
	5	1	LOW	Q16	22.47	22.55	22.54	23.70
			MID	Q16	22.54	22.69	22.27	23.70
HIGH			Q16	22.42	22.32	22.62	23.70	
12		LOW	Q16	21.35	21.33	21.01	22.70	
		MID	Q16	21.24	21.21	21.20	22.70	
		HIGH	Q16	21.37	21.41	21.27	22.70	
25		LOW	Q16	21.33	21.50	21.31	22.70	
5		1	LOW	64QAM	21.06	21.13	21.14	22.70
			MID	64QAM	21.20	21.03	21.31	22.70
	HIGH		64QAM	21.40	21.03	21.32	22.70	
	12	LOW	64QAM	20.59	20.23	20.30	21.70	
		MID	64QAM	20.15	20.59	20.31	21.70	
		HIGH	64QAM	20.42	20.16	20.29	21.70	
	25	LOW	64QAM	20.51	20.26	20.55	21.70	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.38	23.34	23.33	24.70
MID			QPSK	23.49	23.56	23.40	24.70	
HIGH			QPSK	23.25	23.25	23.32	24.70	
25		LOW	QPSK	22.53	22.42	22.24	23.70	
		MID	QPSK	22.35	22.47	22.38	23.70	
		HIGH	QPSK	22.38	22.34	22.67	23.70	
50		LOW	QPSK	22.57	22.32	22.23	23.70	
10		1	LOW	Q16	22.38	22.48	22.60	23.70
			MID	Q16	22.36	22.59	22.49	23.70
	HIGH		Q16	22.19	22.24	22.71	23.70	
	25	LOW	Q16	21.42	21.25	21.19	22.70	
		MID	Q16	21.21	21.30	21.33	22.70	
		HIGH	Q16	21.37	21.23	21.39	22.70	
	50	LOW	Q16	21.23	21.45	21.25	22.70	
	10	1	LOW	64QAM	21.15	21.14	21.13	22.70
			MID	64QAM	21.43	21.07	21.24	22.70
HIGH			64QAM	21.27	21.20	21.18	22.70	
25		LOW	64QAM	20.49	20.23	20.15	21.70	
		MID	64QAM	20.22	20.60	20.54	21.70	
		HIGH	64QAM	20.37	20.29	20.37	21.70	
50		LOW	64QAM	20.53	20.03	20.46	21.70	

LTE B38-DSI4 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.34	23.18	23.15	24.70	
		MID	QPSK	23.60	23.41	23.38	24.70	
		HIGH	QPSK	23.37	23.21	23.31	24.70	
	36	LOW	QPSK	22.51	22.48	22.25	23.70	
		MID	QPSK	22.33	22.67	22.39	23.70	
		HIGH	QPSK	22.56	22.25	22.60	23.70	
	75	LOW	QPSK	22.54	22.32	22.06	23.70	
	15	1	LOW	Q16	22.33	22.65	22.46	23.70
			MID	Q16	22.54	22.61	22.52	23.70
HIGH			Q16	22.43	22.26	22.80	23.70	
36		LOW	Q16	21.46	21.42	21.11	22.70	
		MID	Q16	21.30	21.27	21.32	22.70	
		HIGH	Q16	21.57	21.23	21.28	22.70	
75		LOW	Q16	21.37	21.53	21.30	22.70	
15		1	LOW	64QAM	21.33	21.27	21.37	22.70
			MID	64QAM	21.37	21.06	21.22	22.70
	HIGH		64QAM	21.23	20.99	21.22	22.70	
	36	LOW	64QAM	20.55	20.44	20.21	21.70	
		MID	64QAM	20.19	20.37	20.42	21.70	
		HIGH	64QAM	20.32	20.13	20.18	21.70	
	75	LOW	64QAM	20.52	20.21	20.49	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.39	23.33	23.25	24.70
MID			QPSK	23.49	23.46	23.40	24.70	
HIGH			QPSK	23.40	23.28	23.29	24.70	
50		LOW	QPSK	22.41	22.36	22.23	23.70	
		MID	QPSK	22.36	22.55	22.25	23.70	
		HIGH	QPSK	22.45	22.29	22.52	23.70	
100		LOW	QPSK	22.49	22.32	22.12	23.70	
20		1	LOW	Q16	22.33	22.52	22.50	23.70
			MID	Q16	22.51	22.66	22.40	23.70
	HIGH		Q16	22.34	22.32	22.71	23.70	
	50	LOW	Q16	21.45	21.33	21.14	22.70	
		MID	Q16	21.35	21.29	21.32	22.70	
		HIGH	Q16	21.46	21.28	21.29	22.70	
	100	LOW	Q16	21.36	21.45	21.35	22.70	
	20	1	LOW	64QAM	21.18	21.19	21.22	22.70
			MID	64QAM	21.34	21.07	21.28	22.70
HIGH			64QAM	21.37	21.10	21.23	22.70	
50		LOW	64QAM	20.52	20.37	20.18	21.70	
		MID	64QAM	20.25	20.45	20.46	21.70	
		HIGH	64QAM	20.36	20.27	20.24	21.70	
100		LOW	64QAM	20.51	20.17	20.51	21.70	

LTE B38-DSI5 -Ant.13 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	19.15	19.09	19.12	19.70	
		MID	QPSK	18.99	19.12	19.05	19.70	
		HIGH	QPSK	18.90	18.91	18.85	19.70	
	12	LOW	QPSK	19.21	19.15	19.34	19.70	
		MID	QPSK	18.97	19.32	18.82	19.70	
		HIGH	QPSK	19.18	19.13	19.19	19.70	
	25	LOW	QPSK	18.82	19.00	19.18	19.70	
	5	1	LOW	Q16	19.37	19.31	19.37	19.70
			MID	Q16	19.43	19.16	19.04	19.70
HIGH			Q16	19.19	19.28	19.32	19.70	
12		LOW	Q16	18.96	19.09	19.33	19.70	
		MID	Q16	19.28	19.36	19.01	19.70	
		HIGH	Q16	18.81	19.05	19.25	19.70	
25		LOW	Q16	18.86	18.96	18.73	19.70	
5		1	LOW	64QAM	19.07	19.06	19.17	19.70
			MID	64QAM	18.95	18.89	19.05	19.70
	HIGH		64QAM	19.34	19.14	18.92	19.70	
	12	LOW	64QAM	19.22	18.92	18.98	19.70	
		MID	64QAM	18.99	19.24	18.93	19.70	
		HIGH	64QAM	19.03	18.77	19.03	19.70	
	25	LOW	64QAM	19.19	19.19	19.18	19.70	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	19.09	19.10	19.09	19.70
MID			QPSK	19.11	18.98	18.85	19.70	
HIGH			QPSK	19.20	18.94	18.78	19.70	
25		LOW	QPSK	19.22	19.19	19.04	19.70	
		MID	QPSK	19.04	19.29	18.88	19.70	
		HIGH	QPSK	19.02	19.19	19.10	19.70	
50		LOW	QPSK	19.11	19.14	19.34	19.70	
10		1	LOW	Q16	19.34	19.32	19.47	19.70
			MID	Q16	19.19	19.34	19.23	19.70
	HIGH		Q16	18.97	19.30	19.25	19.70	
	25	LOW	Q16	18.93	18.99	19.26	19.70	
		MID	Q16	19.21	19.15	19.16	19.70	
		HIGH	Q16	18.87	18.95	19.02	19.70	
	50	LOW	Q16	18.79	18.93	18.84	19.70	
	10	1	LOW	64QAM	19.00	19.05	18.93	19.70
			MID	64QAM	18.97	19.17	18.99	19.70
HIGH			64QAM	19.37	19.07	19.20	19.70	
25		LOW	64QAM	18.96	19.12	18.91	19.70	
		MID	64QAM	18.81	19.05	19.12	19.70	
		HIGH	64QAM	18.81	18.90	19.03	19.70	
50		LOW	64QAM	19.30	19.11	19.07	19.70	

LTE B38-DSI5 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	19.16	18.98	19.11	19.70	
		MID	QPSK	19.06	18.96	18.86	19.70	
		HIGH	QPSK	19.08	18.95	18.88	19.70	
	36	LOW	QPSK	19.31	19.20	19.18	19.70	
		MID	QPSK	19.16	19.29	18.83	19.70	
		HIGH	QPSK	19.15	18.96	19.23	19.70	
	75	LOW	QPSK	19.08	18.88	19.19	19.70	
	15	1	LOW	Q16	19.48	19.28	19.58	19.70
			MID	Q16	19.44	19.19	19.19	19.70
HIGH			Q16	18.99	19.18	19.50	19.70	
36		LOW	Q16	18.81	19.17	19.24	19.70	
		MID	Q16	19.09	19.36	18.96	19.70	
		HIGH	Q16	18.85	18.78	19.16	19.70	
75		LOW	Q16	19.02	18.97	18.82	19.70	
15		1	LOW	64QAM	18.96	19.26	19.08	19.70
			MID	64QAM	19.04	18.93	19.03	19.70
	HIGH		64QAM	19.40	18.94	18.93	19.70	
	36	LOW	64QAM	19.04	18.98	18.84	19.70	
		MID	64QAM	18.90	19.13	18.91	19.70	
		HIGH	64QAM	19.03	18.89	18.95	19.70	
	75	LOW	64QAM	19.27	19.11	18.97	19.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	19.04	19.01	19.10	19.70
MID			QPSK	19.03	19.06	18.92	19.70	
HIGH			QPSK	19.05	18.95	18.84	19.70	
50		LOW	QPSK	19.23	19.05	19.19	19.70	
		MID	QPSK	19.09	19.23	18.93	19.70	
		HIGH	QPSK	19.03	19.10	19.13	19.70	
100		LOW	QPSK	18.96	19.03	19.23	19.70	
20		1	LOW	Q16	19.43	19.23	19.43	19.70
			MID	Q16	19.32	19.27	19.16	19.70
	HIGH		Q16	19.12	19.29	19.36	19.70	
	50	LOW	Q16	18.89	19.08	19.25	19.70	
		MID	Q16	19.13	19.22	19.10	19.70	
		HIGH	Q16	18.88	18.91	19.13	19.70	
	100	LOW	Q16	18.93	19.01	18.88	19.70	
	20	1	LOW	64QAM	19.06	19.14	19.08	19.70
			MID	64QAM	19.01	19.02	19.03	19.70
HIGH			64QAM	19.30	19.01	19.07	19.70	
50		LOW	64QAM	19.11	19.02	18.83	19.70	
		MID	64QAM	18.96	19.13	18.97	19.70	
		HIGH	64QAM	18.93	18.91	18.91	19.70	
100		LOW	64QAM	19.22	19.18	19.03	19.70	

LTE B38-DS18&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	16.74	16.79	16.75	17.20	
		MID	QPSK	16.79	16.77	16.73	17.20	
		HIGH	QPSK	16.87	16.52	16.43	17.20	
	12	LOW	QPSK	16.70	16.80	16.51	17.20	
		MID	QPSK	16.65	16.57	16.71	17.20	
		HIGH	QPSK	16.80	16.83	16.53	17.20	
	25	LOW	QPSK	16.82	16.58	16.96	17.20	
	5	1	LOW	Q16	16.84	16.71	16.82	17.20
			MID	Q16	16.73	16.68	16.59	17.20
HIGH			Q16	16.95	16.85	16.62	17.20	
12		LOW	Q16	16.77	16.64	16.77	17.20	
		MID	Q16	16.43	16.56	16.66	17.20	
		HIGH	Q16	16.53	16.74	16.62	17.20	
25		LOW	Q16	16.89	16.39	16.56	17.20	
5		1	LOW	64QAM	16.79	16.63	16.60	17.20
			MID	64QAM	16.62	16.32	16.70	17.20
	HIGH		64QAM	16.50	16.52	16.46	17.20	
	12	LOW	64QAM	16.81	16.47	16.64	17.20	
		MID	64QAM	16.47	16.70	16.77	17.20	
		HIGH	64QAM	16.59	16.72	16.39	17.20	
	25	LOW	64QAM	16.84	16.70	16.74	17.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	16.76	16.55	16.73	17.20
MID			QPSK	16.94	16.85	16.66	17.20	
HIGH			QPSK	16.82	16.51	16.56	17.20	
25		LOW	QPSK	16.71	16.70	16.53	17.20	
		MID	QPSK	16.72	16.56	16.70	17.20	
		HIGH	QPSK	16.74	16.91	16.54	17.20	
50		LOW	QPSK	16.62	16.72	16.77	17.20	
10		1	LOW	Q16	16.71	16.88	16.78	17.20
			MID	Q16	16.75	16.66	16.71	17.20
	HIGH		Q16	16.92	16.77	16.85	17.20	
	25	LOW	Q16	16.77	16.45	16.53	17.20	
		MID	Q16	16.66	16.65	16.58	17.20	
		HIGH	Q16	16.68	16.53	16.68	17.20	
	50	LOW	Q16	16.88	16.59	16.51	17.20	
	10	1	LOW	64QAM	16.77	16.53	16.31	17.20
			MID	64QAM	16.44	16.45	16.67	17.20
HIGH			64QAM	16.55	16.49	16.22	17.20	
25		LOW	64QAM	16.67	16.48	16.70	17.20	
		MID	64QAM	16.63	16.47	16.66	17.20	
		HIGH	64QAM	16.49	16.73	16.46	17.20	
50		LOW	64QAM	16.64	16.83	16.72	17.20	



LTE B38-DS18&9&10 -Ant.13 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	16.64	16.69	16.83	17.20	
		MID	QPSK	16.89	16.84	16.78	17.20	
		HIGH	QPSK	16.67	16.81	16.48	17.20	
	36	LOW	QPSK	16.63	16.75	16.53	17.20	
		MID	QPSK	16.80	16.44	16.75	17.20	
		HIGH	QPSK	16.79	16.83	16.53	17.20	
	75	LOW	QPSK	16.71	16.59	17.02	17.20	
	15	1	LOW	Q16	16.70	16.78	16.94	17.20
			MID	Q16	16.89	16.70	16.61	17.20
HIGH			Q16	16.95	16.80	16.69	17.20	
36		LOW	Q16	16.83	16.55	16.65	17.20	
		MID	Q16	16.72	16.58	16.57	17.20	
		HIGH	Q16	16.71	16.66	16.46	17.20	
75		LOW	Q16	16.83	16.40	16.61	17.20	
15		1	LOW	64QAM	16.79	16.55	16.56	17.20
			MID	64QAM	16.43	16.41	16.77	17.20
	HIGH		64QAM	16.59	16.66	16.47	17.20	
	36	LOW	64QAM	16.85	16.72	16.71	17.20	
		MID	64QAM	16.49	16.66	16.76	17.20	
		HIGH	64QAM	16.54	16.88	16.42	17.20	
	75	LOW	64QAM	16.74	16.85	16.70	17.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	16.61	16.68	16.79	17.20
MID			QPSK	16.94	16.80	16.76	17.20	
HIGH			QPSK	16.80	16.66	16.54	17.20	
50		LOW	QPSK	16.56	16.69	16.50	17.20	
		MID	QPSK	16.66	16.56	16.69	17.20	
		HIGH	QPSK	16.89	16.84	16.59	17.20	
100		LOW	QPSK	16.69	16.70	16.87	17.20	
20		1	LOW	Q16	16.73	16.80	16.89	17.20
			MID	Q16	16.87	16.66	16.60	17.20
	HIGH		Q16	16.88	16.82	16.73	17.20	
	50	LOW	Q16	16.76	16.60	16.64	17.20	
		MID	Q16	16.58	16.64	16.59	17.20	
		HIGH	Q16	16.59	16.67	16.55	17.20	
	100	LOW	Q16	16.79	16.52	16.57	17.20	
	20	1	LOW	64QAM	16.66	16.51	16.45	17.20
			MID	64QAM	16.54	16.34	16.64	17.20
HIGH			64QAM	16.65	16.54	16.35	17.20	
50		LOW	64QAM	16.73	16.62	16.60	17.20	
		MID	64QAM	16.52	16.60	16.63	17.20	
		HIGH	64QAM	16.60	16.77	16.43	17.20	
100		LOW	64QAM	16.75	16.70	16.66	17.20	

## 8.3.12 LTE Band38 Output Power

LTE B38-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.22	23.25	23.00	24.70	
		MID	QPSK	23.37	23.25	23.02	24.70	
		HIGH	QPSK	23.05	23.38	23.00	24.70	
	12	LOW	QPSK	22.22	22.31	22.05	23.70	
		MID	QPSK	22.19	22.40	22.23	23.70	
		HIGH	QPSK	22.37	22.40	22.17	23.70	
	25	LOW	QPSK	22.41	22.30	22.33	23.70	
	5	1	LOW	Q16	22.33	22.23	22.23	23.70
			MID	Q16	22.37	22.38	22.42	23.70
HIGH			Q16	22.33	22.10	22.26	23.70	
12		LOW	Q16	21.09	21.14	21.03	22.70	
		MID	Q16	21.39	21.20	21.21	22.70	
		HIGH	Q16	21.46	21.27	21.22	22.70	
25		LOW	Q16	21.39	21.08	21.11	22.70	
5		1	LOW	64QAM	21.11	21.21	21.15	22.70
			MID	64QAM	21.17	21.25	21.26	22.70
	HIGH		64QAM	21.16	21.16	21.28	22.70	
	12	LOW	64QAM	20.36	20.25	20.07	21.70	
		MID	64QAM	20.29	20.43	20.19	21.70	
		HIGH	64QAM	20.31	20.21	20.11	21.70	
	25	LOW	64QAM	20.12	20.21	20.19	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.16	23.12	22.94	24.70
MID			QPSK	23.36	23.49	23.22	24.70	
HIGH			QPSK	23.18	23.37	23.03	24.70	
25		LOW	QPSK	22.22	22.28	22.10	23.70	
		MID	QPSK	22.24	22.12	22.24	23.70	
		HIGH	QPSK	22.19	22.22	22.35	23.70	
50		LOW	QPSK	22.37	22.17	22.09	23.70	
10		1	LOW	Q16	22.25	22.38	22.26	23.70
			MID	Q16	22.28	22.33	22.35	23.70
	HIGH		Q16	22.30	22.16	21.97	23.70	
	25	LOW	Q16	21.20	21.35	21.18	22.70	
		MID	Q16	21.31	21.09	21.10	22.70	
		HIGH	Q16	21.25	21.38	21.06	22.70	
	50	LOW	Q16	21.16	21.34	21.06	22.70	
	10	1	LOW	64QAM	21.14	21.23	21.31	22.70
			MID	64QAM	21.29	21.33	21.31	22.70
HIGH			64QAM	21.10	21.21	21.37	22.70	
25		LOW	64QAM	20.13	20.13	20.13	21.70	
		MID	64QAM	20.26	20.29	20.24	21.70	
		HIGH	64QAM	20.08	20.04	20.09	21.70	
50		LOW	64QAM	20.01	20.13	20.27	21.70	

LTE B38-Full Power -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.32	23.11	23.17	24.70	
		MID	QPSK	23.17	23.30	23.09	24.70	
		HIGH	QPSK	23.20	23.24	23.22	24.70	
	36	LOW	QPSK	22.07	22.24	22.15	23.70	
		MID	QPSK	22.25	22.41	22.35	23.70	
		HIGH	QPSK	22.18	22.27	22.19	23.70	
	75	LOW	QPSK	22.16	22.30	22.29	23.70	
	15	1	LOW	Q16	22.10	22.31	22.27	23.70
			MID	Q16	22.47	22.14	22.16	23.70
HIGH			Q16	22.22	22.20	22.10	23.70	
36		LOW	Q16	21.10	21.33	21.13	22.70	
		MID	Q16	21.31	21.12	21.10	22.70	
		HIGH	Q16	21.18	21.19	21.09	22.70	
75		LOW	Q16	21.17	21.07	21.23	22.70	
15		1	LOW	64QAM	21.26	21.22	21.27	22.70
			MID	64QAM	21.33	21.20	21.17	22.70
	HIGH		64QAM	21.15	21.18	21.35	22.70	
	36	LOW	64QAM	20.18	20.09	20.18	21.70	
		MID	64QAM	20.39	20.13	20.08	21.70	
		HIGH	64QAM	20.03	20.20	20.08	21.70	
	75	LOW	64QAM	20.25	20.16	20.15	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.17	23.17	23.08	24.70
MID			QPSK	23.22	23.38	23.13	24.70	
HIGH			QPSK	23.17	23.23	23.07	24.70	
50		LOW	QPSK	22.22	22.25	22.20	23.70	
		MID	QPSK	22.30	22.27	22.24	23.70	
		HIGH	QPSK	22.18	22.31	22.25	23.70	
100		LOW	QPSK	22.31	22.22	22.21	23.70	
20		1	LOW	Q16	22.24	22.26	22.16	23.70
			MID	Q16	22.37	22.28	22.27	23.70
	HIGH		Q16	22.29	22.11	22.11	23.70	
	50	LOW	Q16	21.22	21.23	21.18	22.70	
		MID	Q16	21.35	21.23	21.22	22.70	
		HIGH	Q16	21.31	21.31	21.18	22.70	
	100	LOW	Q16	21.30	21.22	21.15	22.70	
	20	1	LOW	64QAM	21.24	21.18	21.18	22.70
			MID	64QAM	21.24	21.31	21.31	22.70
HIGH			64QAM	21.19	21.23	21.25	22.70	
50		LOW	64QAM	20.27	20.22	20.19	21.70	
		MID	64QAM	20.26	20.28	20.11	21.70	
		HIGH	64QAM	20.16	20.17	20.18	21.70	
100		LOW	64QAM	20.15	20.15	20.28	21.70	

LTE B38-DS12&3&4&5&8&9&10 -Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.22	23.25	23.00	24.70	
		MID	QPSK	23.37	23.25	23.02	24.70	
		HIGH	QPSK	23.05	23.38	23.00	24.70	
	12	LOW	QPSK	22.22	22.31	22.05	23.70	
		MID	QPSK	22.19	22.40	22.23	23.70	
		HIGH	QPSK	22.37	22.40	22.17	23.70	
	25	LOW	QPSK	22.41	22.30	22.33	23.70	
	5	1	LOW	Q16	22.33	22.23	22.23	23.70
			MID	Q16	22.37	22.38	22.42	23.70
HIGH			Q16	22.33	22.10	22.26	23.70	
12		LOW	Q16	21.09	21.14	21.03	22.70	
		MID	Q16	21.39	21.20	21.21	22.70	
		HIGH	Q16	21.46	21.27	21.22	22.70	
25		LOW	Q16	21.39	21.08	21.11	22.70	
5		1	LOW	64QAM	21.11	21.21	21.15	22.70
			MID	64QAM	21.17	21.25	21.26	22.70
	HIGH		64QAM	21.16	21.16	21.28	22.70	
	12	LOW	64QAM	20.36	20.25	20.07	21.70	
		MID	64QAM	20.29	20.43	20.19	21.70	
		HIGH	64QAM	20.31	20.21	20.11	21.70	
	25	LOW	64QAM	20.12	20.21	20.19	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.16	23.12	22.94	24.70
MID			QPSK	23.36	23.49	23.22	24.70	
HIGH			QPSK	23.18	23.37	23.03	24.70	
25		LOW	QPSK	22.22	22.28	22.10	23.70	
		MID	QPSK	22.24	22.12	22.24	23.70	
		HIGH	QPSK	22.19	22.22	22.35	23.70	
50		LOW	QPSK	22.37	22.17	22.09	23.70	
10		1	LOW	Q16	22.25	22.38	22.26	23.70
			MID	Q16	22.28	22.33	22.35	23.70
	HIGH		Q16	22.30	22.16	21.97	23.70	
	25	LOW	Q16	21.20	21.35	21.18	22.70	
		MID	Q16	21.31	21.09	21.10	22.70	
		HIGH	Q16	21.25	21.38	21.06	22.70	
	50	LOW	Q16	21.16	21.34	21.06	22.70	
	10	1	LOW	64QAM	21.14	21.23	21.31	22.70
			MID	64QAM	21.29	21.33	21.31	22.70
HIGH			64QAM	21.10	21.21	21.37	22.70	
25		LOW	64QAM	20.13	20.13	20.13	21.70	
		MID	64QAM	20.26	20.29	20.24	21.70	
		HIGH	64QAM	20.08	20.04	20.09	21.70	
50		LOW	64QAM	20.01	20.13	20.27	21.70	

LTE B38-DS12&3&4&5&8&9&10-Ant.31								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.32	23.11	23.17	24.70	
		MID	QPSK	23.17	23.30	23.09	24.70	
		HIGH	QPSK	23.20	23.24	23.22	24.70	
	36	LOW	QPSK	22.07	22.24	22.15	23.70	
		MID	QPSK	22.25	22.41	22.35	23.70	
		HIGH	QPSK	22.18	22.27	22.19	23.70	
	75	LOW	QPSK	22.16	22.30	22.29	23.70	
	15	1	LOW	Q16	22.10	22.31	22.27	23.70
			MID	Q16	22.47	22.14	22.16	23.70
HIGH			Q16	22.22	22.20	22.10	23.70	
36		LOW	Q16	21.10	21.33	21.13	22.70	
		MID	Q16	21.31	21.12	21.10	22.70	
		HIGH	Q16	21.18	21.19	21.09	22.70	
75		LOW	Q16	21.17	21.07	21.23	22.70	
15		1	LOW	64QAM	21.26	21.22	21.27	22.70
			MID	64QAM	21.33	21.20	21.17	22.70
	HIGH		64QAM	21.15	21.18	21.35	22.70	
	36	LOW	64QAM	20.18	20.09	20.18	21.70	
		MID	64QAM	20.39	20.13	20.08	21.70	
		HIGH	64QAM	20.03	20.20	20.08	21.70	
	75	LOW	64QAM	20.25	20.16	20.15	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.17	23.17	23.08	24.70
MID			QPSK	23.22	23.38	23.13	24.70	
HIGH			QPSK	23.17	23.23	23.07	24.70	
50		LOW	QPSK	22.22	22.25	22.20	23.70	
		MID	QPSK	22.30	22.27	22.24	23.70	
		HIGH	QPSK	22.18	22.31	22.25	23.70	
100		LOW	QPSK	22.31	22.22	22.21	23.70	
20		1	LOW	Q16	22.24	22.26	22.16	23.70
			MID	Q16	22.37	22.28	22.27	23.70
	HIGH		Q16	22.29	22.11	22.11	23.70	
	50	LOW	Q16	21.22	21.23	21.18	22.70	
		MID	Q16	21.35	21.23	21.22	22.70	
		HIGH	Q16	21.31	21.31	21.18	22.70	
	100	LOW	Q16	21.30	21.22	21.15	22.70	
	20	1	LOW	64QAM	21.24	21.18	21.18	22.70
			MID	64QAM	21.24	21.31	21.31	22.70
HIGH			64QAM	21.19	21.23	21.25	22.70	
50		LOW	64QAM	20.27	20.22	20.19	21.70	
		MID	64QAM	20.26	20.28	20.11	21.70	
		HIGH	64QAM	20.16	20.17	20.18	21.70	
100		LOW	64QAM	20.15	20.15	20.28	21.70	

## 8.3.12LTE Band38 Output Power

LTE B38-Full Power -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.26	23.43	23.59	24.70	
		MID	QPSK	23.45	23.41	23.47	24.70	
		HIGH	QPSK	23.35	23.36	23.19	24.70	
	12	LOW	QPSK	22.12	22.20	22.63	23.70	
		MID	QPSK	22.34	22.37	22.14	23.70	
		HIGH	QPSK	22.58	22.32	22.51	23.70	
	25	LOW	QPSK	21.97	22.32	22.34	23.70	
	5	1	LOW	Q16	22.14	22.27	22.27	23.70
			MID	Q16	22.34	22.31	22.34	23.70
HIGH			Q16	22.56	22.24	22.41	23.70	
12		LOW	Q16	21.26	21.31	21.12	22.70	
		MID	Q16	21.26	21.49	21.28	22.70	
		HIGH	Q16	21.53	21.23	21.17	22.70	
25		LOW	Q16	21.29	21.44	21.31	22.70	
5		1	LOW	64QAM	21.07	21.16	21.02	22.70
			MID	64QAM	20.99	21.06	21.30	22.70
	HIGH		64QAM	21.07	21.28	21.15	22.70	
	12	LOW	64QAM	20.30	20.39	20.30	21.70	
		MID	64QAM	20.41	20.56	20.39	21.70	
		HIGH	64QAM	20.09	20.54	20.29	21.70	
	25	LOW	64QAM	20.42	20.18	20.40	21.70	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.34	23.42	23.67	24.70
MID			QPSK	23.58	23.54	23.50	24.70	
HIGH			QPSK	23.33	23.50	23.24	24.70	
25		LOW	QPSK	22.27	22.21	22.62	23.70	
		MID	QPSK	22.42	22.49	22.17	23.70	
		HIGH	QPSK	22.32	22.46	22.25	23.70	
50		LOW	QPSK	22.18	22.19	22.28	23.70	
10		1	LOW	Q16	22.20	22.14	22.32	23.70
			MID	Q16	22.49	22.32	22.25	23.70
	HIGH		Q16	22.46	22.42	22.52	23.70	
	25	LOW	Q16	21.44	21.42	21.34	22.70	
		MID	Q16	21.29	21.58	21.49	22.70	
		HIGH	Q16	21.29	21.23	21.17	22.70	
	50	LOW	Q16	21.42	21.24	21.33	22.70	
	10	1	LOW	64QAM	21.12	21.11	21.19	22.70
			MID	64QAM	21.08	21.25	21.21	22.70
HIGH			64QAM	21.29	21.32	20.90	22.70	
25		LOW	64QAM	20.10	20.29	20.53	21.70	
		MID	64QAM	20.32	20.37	20.23	21.70	
		HIGH	64QAM	20.38	20.30	20.33	21.70	
50		LOW	64QAM	20.55	20.18	20.48	21.70	

LTE B38-Full Power -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.51	23.43	23.59	24.70	
		MID	QPSK	23.70	23.57	23.33	24.70	
		HIGH	QPSK	23.42	23.28	23.11	24.70	
	36	LOW	QPSK	22.10	22.44	22.35	23.70	
		MID	QPSK	22.26	22.37	22.24	23.70	
		HIGH	QPSK	22.33	22.44	22.49	23.70	
	75	LOW	QPSK	21.98	22.33	22.09	23.70	
	15	1	LOW	Q16	22.12	22.13	22.38	23.70
			MID	Q16	22.36	22.38	22.40	23.70
HIGH			Q16	22.58	22.30	22.56	23.70	
36		LOW	Q16	21.23	21.43	21.17	22.70	
		MID	Q16	21.39	21.59	21.35	22.70	
		HIGH	Q16	21.46	21.30	21.24	22.70	
75		LOW	Q16	21.17	21.26	21.51	22.70	
15		1	LOW	64QAM	21.30	21.24	21.02	22.70
			MID	64QAM	21.15	21.29	21.37	22.70
	HIGH		64QAM	21.33	21.43	21.07	22.70	
	36	LOW	64QAM	20.10	20.27	20.36	21.70	
		MID	64QAM	20.21	20.51	20.38	21.70	
		HIGH	64QAM	20.15	20.30	20.29	21.70	
	75	LOW	64QAM	20.35	19.98	20.52	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.41	23.41	23.52	24.70
MID			QPSK	23.59	23.46	23.45	24.70	
HIGH			QPSK	23.37	23.36	23.21	24.70	
50		LOW	QPSK	22.24	22.30	22.49	23.70	
		MID	QPSK	22.39	22.43	22.15	23.70	
		HIGH	QPSK	22.44	22.46	22.40	23.70	
100		LOW	QPSK	22.11	22.28	22.24	23.70	
20		1	LOW	Q16	22.17	22.28	22.23	23.70
			MID	Q16	22.38	22.46	22.32	23.70
	HIGH		Q16	22.43	22.31	22.46	23.70	
	50	LOW	Q16	21.38	21.31	21.21	22.70	
		MID	Q16	21.24	21.44	21.39	22.70	
		HIGH	Q16	21.39	21.34	21.26	22.70	
	100	LOW	Q16	21.27	21.34	21.38	22.70	
	20	1	LOW	64QAM	21.15	21.24	21.15	22.70
			MID	64QAM	21.11	21.14	21.33	22.70
HIGH			64QAM	21.19	21.34	21.04	22.70	
50		LOW	64QAM	20.21	20.31	20.44	21.70	
		MID	64QAM	20.27	20.47	20.25	21.70	
		HIGH	64QAM	20.23	20.43	20.37	21.70	
100		LOW	64QAM	20.42	20.12	20.45	21.70	

LTE B38-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.26	23.43	23.59	24.70	
		MID	QPSK	23.45	23.41	23.47	24.70	
		HIGH	QPSK	23.35	23.36	23.19	24.70	
	12	LOW	QPSK	22.12	22.20	22.63	23.70	
		MID	QPSK	22.34	22.37	22.14	23.70	
		HIGH	QPSK	22.58	22.32	22.51	23.70	
	25	LOW	QPSK	21.97	22.32	22.34	23.70	
	5	1	LOW	Q16	22.14	22.27	22.27	23.70
			MID	Q16	22.34	22.31	22.34	23.70
HIGH			Q16	22.56	22.24	22.41	23.70	
12		LOW	Q16	21.26	21.31	21.12	22.70	
		MID	Q16	21.26	21.49	21.28	22.70	
		HIGH	Q16	21.53	21.23	21.17	22.70	
25		LOW	Q16	21.29	21.44	21.31	22.70	
5		1	LOW	64QAM	21.07	21.16	21.02	22.70
			MID	64QAM	20.99	21.06	21.30	22.70
	HIGH		64QAM	21.07	21.28	21.15	22.70	
	12	LOW	64QAM	20.30	20.39	20.30	21.70	
		MID	64QAM	20.41	20.56	20.39	21.70	
		HIGH	64QAM	20.09	20.54	20.29	21.70	
	25	LOW	64QAM	20.42	20.18	20.40	21.70	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.34	23.42	23.67	24.70
MID			QPSK	23.58	23.54	23.50	24.70	
HIGH			QPSK	23.33	23.50	23.24	24.70	
25		LOW	QPSK	22.27	22.21	22.62	23.70	
		MID	QPSK	22.42	22.49	22.17	23.70	
		HIGH	QPSK	22.32	22.46	22.25	23.70	
50		LOW	QPSK	22.18	22.19	22.28	23.70	
10		1	LOW	Q16	22.20	22.14	22.32	23.70
			MID	Q16	22.49	22.32	22.25	23.70
	HIGH		Q16	22.46	22.42	22.52	23.70	
	25	LOW	Q16	21.44	21.42	21.34	22.70	
		MID	Q16	21.29	21.58	21.49	22.70	
		HIGH	Q16	21.29	21.23	21.17	22.70	
	50	LOW	Q16	21.42	21.24	21.33	22.70	
	10	1	LOW	64QAM	21.12	21.11	21.19	22.70
			MID	64QAM	21.08	21.25	21.21	22.70
HIGH			64QAM	21.29	21.32	20.90	22.70	
25		LOW	64QAM	20.10	20.29	20.53	21.70	
		MID	64QAM	20.32	20.37	20.23	21.70	
		HIGH	64QAM	20.38	20.30	20.33	21.70	
50		LOW	64QAM	20.55	20.18	20.48	21.70	



LTE B38-DSI2&3 -Ant.31 (ENDC)								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.51	23.43	23.59	24.70	
		MID	QPSK	23.70	23.57	23.33	24.70	
		HIGH	QPSK	23.42	23.28	23.11	24.70	
	36	LOW	QPSK	22.10	22.44	22.35	23.70	
		MID	QPSK	22.26	22.37	22.24	23.70	
		HIGH	QPSK	22.33	22.44	22.49	23.70	
	75	LOW	QPSK	21.98	22.33	22.09	23.70	
	15	1	LOW	Q16	22.12	22.13	22.38	23.70
			MID	Q16	22.36	22.38	22.40	23.70
HIGH			Q16	22.58	22.30	22.56	23.70	
36		LOW	Q16	21.23	21.43	21.17	22.70	
		MID	Q16	21.39	21.59	21.35	22.70	
		HIGH	Q16	21.46	21.30	21.24	22.70	
75		LOW	Q16	21.17	21.26	21.51	22.70	
15		1	LOW	64QAM	21.30	21.24	21.02	22.70
			MID	64QAM	21.15	21.29	21.37	22.70
	HIGH		64QAM	21.33	21.43	21.07	22.70	
	36	LOW	64QAM	20.10	20.27	20.36	21.70	
		MID	64QAM	20.21	20.51	20.38	21.70	
		HIGH	64QAM	20.15	20.30	20.29	21.70	
	75	LOW	64QAM	20.35	19.98	20.52	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.41	23.41	23.52	24.70
MID			QPSK	23.59	23.46	23.45	24.70	
HIGH			QPSK	23.37	23.36	23.21	24.70	
50		LOW	QPSK	22.24	22.30	22.49	23.70	
		MID	QPSK	22.39	22.43	22.15	23.70	
		HIGH	QPSK	22.44	22.46	22.40	23.70	
100		LOW	QPSK	22.11	22.28	22.24	23.70	
20		1	LOW	Q16	22.17	22.28	22.23	23.70
			MID	Q16	22.38	22.46	22.32	23.70
	HIGH		Q16	22.43	22.31	22.46	23.70	
	50	LOW	Q16	21.38	21.31	21.21	22.70	
		MID	Q16	21.24	21.44	21.39	22.70	
		HIGH	Q16	21.39	21.34	21.26	22.70	
	100	LOW	Q16	21.27	21.34	21.38	22.70	
	20	1	LOW	64QAM	21.15	21.24	21.15	22.70
			MID	64QAM	21.11	21.14	21.33	22.70
HIGH			64QAM	21.19	21.34	21.04	22.70	
50		LOW	64QAM	20.21	20.31	20.44	21.70	
		MID	64QAM	20.27	20.47	20.25	21.70	
		HIGH	64QAM	20.23	20.43	20.37	21.70	
100		LOW	64QAM	20.42	20.12	20.45	21.70	

## 8.3.12 LTE Band38 Output Power

LTE B38-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.54	23.33	23.31	24.70	
		MID	QPSK	23.45	23.58	23.37	24.70	
		HIGH	QPSK	23.42	23.39	23.28	24.70	
	12	LOW	QPSK	22.50	22.65	22.45	23.70	
		MID	QPSK	22.55	22.54	22.37	23.70	
		HIGH	QPSK	22.59	22.70	22.32	23.70	
	25	LOW	QPSK	22.72	22.51	22.37	23.70	
	5	1	LOW	Q16	22.49	22.34	22.37	23.70
			MID	Q16	22.57	22.44	22.69	23.70
HIGH			Q16	22.43	22.51	22.52	23.70	
12		LOW	Q16	21.52	21.37	21.61	22.70	
		MID	Q16	21.59	21.54	21.55	22.70	
		HIGH	Q16	21.71	21.55	21.41	22.70	
25		LOW	Q16	21.53	21.55	21.50	22.70	
5		1	LOW	64QAM	21.62	21.30	21.57	22.70
			MID	64QAM	21.75	21.55	21.64	22.70
	HIGH		64QAM	21.48	21.53	21.81	22.70	
	12	LOW	64QAM	20.67	20.56	20.26	21.70	
		MID	64QAM	20.48	20.60	20.49	21.70	
		HIGH	64QAM	20.59	20.39	20.50	21.70	
	25	LOW	64QAM	20.81	20.48	20.70	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.36	23.45	23.35	24.70
MID			QPSK	23.42	23.46	23.26	24.70	
HIGH			QPSK	23.43	23.55	23.19	24.70	
25		LOW	QPSK	22.52	22.45	22.52	23.70	
		MID	QPSK	22.64	22.49	22.42	23.70	
		HIGH	QPSK	22.71	22.44	22.32	23.70	
50		LOW	QPSK	22.64	22.62	22.35	23.70	
10		1	LOW	Q16	22.36	22.59	22.37	23.70
			MID	Q16	22.34	22.37	22.58	23.70
	HIGH		Q16	22.45	22.46	22.43	23.70	
	25	LOW	Q16	21.47	21.48	21.62	22.70	
		MID	Q16	21.57	21.55	21.38	22.70	
		HIGH	Q16	21.61	21.55	21.58	22.70	
	50	LOW	Q16	21.62	21.63	21.46	22.70	
	10	1	LOW	64QAM	21.51	21.38	21.37	22.70
			MID	64QAM	21.62	21.39	21.37	22.70
HIGH			64QAM	21.46	21.40	21.68	22.70	
25		LOW	64QAM	20.54	20.53	20.29	21.70	
		MID	64QAM	20.32	20.64	20.73	21.70	
		HIGH	64QAM	20.59	20.32	20.44	21.70	
50		LOW	64QAM	20.65	20.37	20.62	21.70	

LTE B38-Full Power -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.51	23.50	23.54	24.70	
		MID	QPSK	23.67	23.62	23.49	24.70	
		HIGH	QPSK	23.42	23.51	23.25	24.70	
	36	LOW	QPSK	22.66	22.65	22.62	23.70	
		MID	QPSK	22.64	22.45	22.59	23.70	
		HIGH	QPSK	22.53	22.43	22.41	23.70	
	75	LOW	QPSK	22.70	22.59	22.63	23.70	
	15	1	LOW	Q16	22.47	22.36	22.57	23.70
			MID	Q16	22.41	22.56	22.60	23.70
HIGH			Q16	22.42	22.62	22.60	23.70	
36		LOW	Q16	21.51	21.63	21.41	22.70	
		MID	Q16	21.73	21.60	21.45	22.70	
		HIGH	Q16	21.56	21.72	21.51	22.70	
75		LOW	Q16	21.60	21.53	21.61	22.70	
15		1	LOW	64QAM	21.38	21.28	21.37	22.70
			MID	64QAM	21.58	21.67	21.63	22.70
	HIGH		64QAM	21.18	21.38	21.73	22.70	
	36	LOW	64QAM	20.59	20.45	20.47	21.70	
		MID	64QAM	20.49	20.68	20.65	21.70	
		HIGH	64QAM	20.71	20.45	20.54	21.70	
	75	LOW	64QAM	20.79	20.41	20.73	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.41	23.45	23.42	24.70
MID			QPSK	23.47	23.54	23.39	24.70	
HIGH			QPSK	23.40	23.47	23.30	24.70	
50		LOW	QPSK	22.51	22.54	22.49	23.70	
		MID	QPSK	22.54	22.61	22.49	23.70	
		HIGH	QPSK	22.57	22.60	22.46	23.70	
100		LOW	QPSK	22.50	22.58	22.50	23.70	
20		1	LOW	Q16	22.50	22.45	22.50	23.70
			MID	Q16	22.48	22.50	22.55	23.70
	HIGH		Q16	22.39	22.48	22.58	23.70	
	50	LOW	Q16	21.51	21.51	21.49	22.70	
		MID	Q16	21.59	21.55	21.51	22.70	
		HIGH	Q16	21.58	21.57	21.48	22.70	
	100	LOW	Q16	21.57	21.48	21.48	22.70	
	20	1	LOW	64QAM	21.49	21.41	21.52	22.70
			MID	64QAM	21.63	21.52	21.52	22.70
HIGH			64QAM	21.33	21.41	21.69	22.70	
50		LOW	64QAM	20.60	20.58	20.35	21.70	
		MID	64QAM	20.45	20.56	20.61	21.70	
		HIGH	64QAM	20.56	20.43	20.48	21.70	
100		LOW	64QAM	20.70	20.40	20.59	21.70	

LTE B38-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	20.02	19.84	19.80	21.20	
		MID	QPSK	19.98	20.11	19.85	21.20	
		HIGH	QPSK	20.01	19.85	19.76	21.20	
	12	LOW	QPSK	20.00	20.21	19.92	21.20	
		MID	QPSK	20.10	20.10	19.90	21.20	
		HIGH	QPSK	20.16	20.19	19.88	21.20	
	25	LOW	QPSK	20.18	20.04	19.91	21.20	
	5	1	LOW	Q16	19.95	19.83	19.85	21.20
			MID	Q16	20.08	19.91	20.23	21.20
HIGH			Q16	19.92	19.99	20.01	21.20	
12		LOW	Q16	20.07	19.87	20.18	21.20	
		MID	Q16	20.12	20.01	20.10	21.20	
		HIGH	Q16	20.27	20.09	19.86	21.20	
25		LOW	Q16	19.98	20.00	20.09	21.20	
5		1	LOW	64QAM	20.12	19.77	20.04	21.20
			MID	64QAM	20.28	20.13	20.12	21.20
	HIGH		64QAM	19.99	20.04	20.34	21.20	
	12	LOW	64QAM	20.15	20.01	19.85	21.20	
		MID	64QAM	19.98	20.10	19.97	21.20	
		HIGH	64QAM	20.17	19.89	19.98	21.20	
	25	LOW	64QAM	20.32	20.03	20.16	21.20	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	19.95	19.92	19.87	21.20
MID			QPSK	19.94	19.91	19.78	21.20	
HIGH			QPSK	19.99	20.01	19.76	21.20	
25		LOW	QPSK	20.10	19.95	20.06	21.20	
		MID	QPSK	20.09	20.02	19.89	21.20	
		HIGH	QPSK	20.30	19.93	19.87	21.20	
50		LOW	QPSK	20.17	20.18	19.87	21.20	
10		1	LOW	Q16	19.91	20.17	19.87	21.20
			MID	Q16	19.79	19.87	20.14	21.20
	HIGH		Q16	19.98	19.91	20.02	21.20	
	25	LOW	Q16	20.02	20.05	20.10	21.20	
		MID	Q16	20.16	20.01	19.90	21.20	
		HIGH	Q16	20.13	20.12	20.13	21.20	
	50	LOW	Q16	20.15	20.11	19.98	21.20	
	10	1	LOW	64QAM	20.08	19.85	19.94	21.20
			MID	64QAM	20.10	19.98	19.82	21.20
HIGH			64QAM	20.01	19.89	20.18	21.20	
25		LOW	64QAM	20.12	20.05	19.76	21.20	
		MID	64QAM	19.78	20.22	20.18	21.20	
		HIGH	64QAM	20.13	19.91	19.97	21.20	
50		LOW	64QAM	20.24	19.94	20.13	21.20	

LTE B38-DSI2&3 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	20.07	19.97	19.99	21.20	
		MID	QPSK	20.14	20.14	19.95	21.20	
		HIGH	QPSK	20.00	20.05	19.82	21.20	
	36	LOW	QPSK	20.23	20.24	20.14	21.20	
		MID	QPSK	20.11	19.94	20.04	21.20	
		HIGH	QPSK	20.10	19.92	19.90	21.20	
	75	LOW	QPSK	20.21	20.13	20.19	21.20	
	15	1	LOW	Q16	19.97	19.94	20.02	21.20
			MID	Q16	19.90	20.03	20.17	21.20
HIGH			Q16	19.88	20.21	20.08	21.20	
36		LOW	Q16	20.07	20.20	19.87	21.20	
		MID	Q16	20.24	20.13	19.96	21.20	
		HIGH	Q16	20.01	20.24	20.04	21.20	
75		LOW	Q16	20.11	20.03	20.16	21.20	
15		1	LOW	64QAM	19.94	19.83	19.96	21.20
			MID	64QAM	20.09	20.25	20.12	21.20
	HIGH		64QAM	19.71	19.84	20.29	21.20	
	36	LOW	64QAM	20.16	19.91	20.04	21.20	
		MID	64QAM	20.04	20.15	20.10	21.20	
		HIGH	64QAM	20.25	19.91	19.99	21.20	
	75	LOW	64QAM	20.30	19.97	20.28	21.20	
	Bandwidth (	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	20.00	19.99	19.90	21.20
MID			QPSK	20.03	20.05	19.91	21.20	
HIGH			QPSK	19.91	20.04	19.86	21.20	
50		LOW	QPSK	20.02	20.05	19.98	21.20	
		MID	QPSK	20.13	20.10	20.05	21.20	
		HIGH	QPSK	20.11	20.13	20.05	21.20	
100		LOW	QPSK	20.01	20.12	20.09	21.20	
20		1	LOW	Q16	19.96	20.00	20.09	21.20
			MID	Q16	20.07	20.01	20.00	21.20
	HIGH		Q16	19.89	20.01	20.08	21.20	
	50	LOW	Q16	20.02	20.00	20.02	21.20	
		MID	Q16	20.15	20.14	19.98	21.20	
		HIGH	Q16	20.15	20.12	19.95	21.20	
	100	LOW	Q16	20.11	20.04	20.07	21.20	
	20	1	LOW	64QAM	19.98	19.99	19.97	21.20
			MID	64QAM	20.08	20.04	20.05	21.20
HIGH			64QAM	19.87	19.87	20.19	21.20	
50		LOW	64QAM	20.13	20.03	19.88	21.20	
		MID	64QAM	19.97	20.14	20.14	21.20	
		HIGH	64QAM	20.09	19.90	20.06	21.20	
100		LOW	64QAM	20.15	19.88	20.04	21.20	

LTE B38-DS14 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	23.54	23.33	23.31	24.70	
		MID	QPSK	23.45	23.58	23.37	24.70	
		HIGH	QPSK	23.42	23.39	23.28	24.70	
	12	LOW	QPSK	22.50	22.65	22.45	23.70	
		MID	QPSK	22.55	22.54	22.37	23.70	
		HIGH	QPSK	22.59	22.70	22.32	23.70	
	25	LOW	QPSK	22.72	22.51	22.37	23.70	
	5	1	LOW	Q16	22.49	22.34	22.37	23.70
			MID	Q16	22.57	22.44	22.69	23.70
HIGH			Q16	22.43	22.51	22.52	23.70	
12		LOW	Q16	21.52	21.37	21.61	22.70	
		MID	Q16	21.59	21.54	21.55	22.70	
		HIGH	Q16	21.71	21.55	21.41	22.70	
25		LOW	Q16	21.53	21.55	21.50	22.70	
5		1	LOW	64QAM	21.62	21.30	21.57	22.70
			MID	64QAM	21.75	21.55	21.64	22.70
	HIGH		64QAM	21.48	21.53	21.81	22.70	
	12	LOW	64QAM	20.67	20.56	20.26	21.70	
		MID	64QAM	20.48	20.60	20.49	21.70	
		HIGH	64QAM	20.59	20.39	20.50	21.70	
	25	LOW	64QAM	20.81	20.48	20.70	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	23.36	23.45	23.35	24.70
MID			QPSK	23.42	23.46	23.26	24.70	
HIGH			QPSK	23.43	23.55	23.19	24.70	
25		LOW	QPSK	22.52	22.45	22.52	23.70	
		MID	QPSK	22.64	22.49	22.42	23.70	
		HIGH	QPSK	22.71	22.44	22.32	23.70	
50		LOW	QPSK	22.64	22.62	22.35	23.70	
10		1	LOW	Q16	22.36	22.59	22.37	23.70
			MID	Q16	22.34	22.37	22.58	23.70
	HIGH		Q16	22.45	22.46	22.43	23.70	
	25	LOW	Q16	21.47	21.48	21.62	22.70	
		MID	Q16	21.57	21.55	21.38	22.70	
		HIGH	Q16	21.61	21.55	21.58	22.70	
	50	LOW	Q16	21.62	21.63	21.46	22.70	
	10	1	LOW	64QAM	21.51	21.38	21.37	22.70
			MID	64QAM	21.62	21.39	21.37	22.70
HIGH			64QAM	21.46	21.40	21.68	22.70	
25		LOW	64QAM	20.54	20.53	20.29	21.70	
		MID	64QAM	20.32	20.64	20.73	21.70	
		HIGH	64QAM	20.59	20.32	20.44	21.70	
50		LOW	64QAM	20.65	20.37	20.62	21.70	

Bandwidth (MHz)	RB Size
5	1
	12
	25
5	1
	12
	25
5	1
	12
	25
Bandwidth (MHz)	RB Size
10	1
	25
	50
10	1
	25
	50
10	1
	25
	50

LTE B38-DS14 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	23.51	23.50	23.54	24.70	
		MID	QPSK	23.67	23.62	23.49	24.70	
		HIGH	QPSK	23.42	23.51	23.25	24.70	
	36	LOW	QPSK	22.66	22.65	22.62	23.70	
		MID	QPSK	22.64	22.45	22.59	23.70	
		HIGH	QPSK	22.53	22.43	22.41	23.70	
	75	LOW	QPSK	22.70	22.59	22.63	23.70	
	15	1	LOW	Q16	22.47	22.36	22.57	23.70
			MID	Q16	22.41	22.56	22.60	23.70
HIGH			Q16	22.42	22.62	22.60	23.70	
36		LOW	Q16	21.51	21.63	21.41	22.70	
		MID	Q16	21.73	21.60	21.45	22.70	
		HIGH	Q16	21.56	21.72	21.51	22.70	
75		LOW	Q16	21.60	21.53	21.61	22.70	
15		1	LOW	64QAM	21.38	21.28	21.37	22.70
			MID	64QAM	21.58	21.67	21.63	22.70
	HIGH		64QAM	21.18	21.38	21.73	22.70	
	36	LOW	64QAM	20.59	20.45	20.47	21.70	
		MID	64QAM	20.49	20.68	20.65	21.70	
		HIGH	64QAM	20.71	20.45	20.54	21.70	
	75	LOW	64QAM	20.79	20.41	20.73	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	23.41	23.45	23.42	24.70
MID			QPSK	23.47	23.54	23.39	24.70	
HIGH			QPSK	23.40	23.47	23.30	24.70	
50		LOW	QPSK	22.51	22.54	22.49	23.70	
		MID	QPSK	22.54	22.61	22.49	23.70	
		HIGH	QPSK	22.57	22.60	22.46	23.70	
100		LOW	QPSK	22.50	22.58	22.50	23.70	
20		1	LOW	Q16	22.50	22.45	22.50	23.70
			MID	Q16	22.48	22.50	22.55	23.70
	HIGH		Q16	22.39	22.48	22.58	23.70	
	50	LOW	Q16	21.51	21.51	21.49	22.70	
		MID	Q16	21.59	21.55	21.51	22.70	
		HIGH	Q16	21.58	21.57	21.48	22.70	
	100	LOW	Q16	21.57	21.48	21.48	22.70	
	20	1	LOW	64QAM	21.49	21.41	21.52	22.70
			MID	64QAM	21.63	21.52	21.52	22.70
HIGH			64QAM	21.33	21.41	21.69	22.70	
50		LOW	64QAM	20.60	20.58	20.35	21.70	
		MID	64QAM	20.45	20.56	20.61	21.70	
		HIGH	64QAM	20.56	20.43	20.48	21.70	
100		LOW	64QAM	20.70	20.40	20.59	21.70	

Bandwidth (MHz)	RB Size
15	1
	36
	75
15	1
	36
	75
15	1
	36
	75
Bandwidth (MHz)	RB Size
20	1
	50
	100
20	1
	50
	100
20	1
	50
	100

LTE B38-DSI5 -Ant.13					
RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)
LOW	QPSK	20.46	20.45	20.22	21.20
MID	QPSK	20.51	20.36	20.36	21.20
HIGH	QPSK	20.41	20.29	20.20	21.20
LOW	QPSK	20.34	20.51	20.41	21.20
MID	QPSK	20.47	20.55	20.43	21.20
HIGH	QPSK	20.42	20.61	20.41	21.20
LOW	QPSK	20.58	20.41	20.55	21.20
LOW	Q16	20.39	20.36	20.40	21.20
MID	Q16	20.67	20.39	20.54	21.20
HIGH	Q16	20.35	20.36	20.19	21.20
LOW	Q16	20.37	20.44	20.34	21.20
MID	Q16	20.43	20.48	20.33	21.20
HIGH	Q16	20.40	20.55	20.51	21.20
LOW	Q16	20.46	20.40	20.48	21.20
LOW	64QAM	20.49	20.46	20.42	21.20
MID	64QAM	20.50	20.60	20.51	21.20
HIGH	64QAM	20.26	20.41	20.36	21.20
LOW	64QAM	20.42	20.28	20.56	21.20
MID	64QAM	20.48	20.29	20.44	21.20
HIGH	64QAM	20.42	20.37	20.27	21.20
LOW	64QAM	20.49	20.41	20.20	21.20
RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
LOW	QPSK	20.46	20.47	20.22	21.20
MID	QPSK	20.31	20.42	20.30	21.20
HIGH	QPSK	20.54	20.29	20.31	21.20
LOW	QPSK	20.32	20.30	20.44	21.20
MID	QPSK	20.68	20.32	20.51	21.20
HIGH	QPSK	20.63	20.37	20.53	21.20
LOW	QPSK	20.52	20.28	20.54	21.20
LOW	Q16	20.44	20.55	20.45	21.20
MID	Q16	20.60	20.58	20.41	21.20
HIGH	Q16	20.49	20.47	20.39	21.20
LOW	Q16	20.56	20.28	20.48	21.20
MID	Q16	20.40	20.51	20.31	21.20
HIGH	Q16	20.46	20.45	20.38	21.20
LOW	Q16	20.42	20.26	20.49	21.20
LOW	64QAM	20.69	20.26	20.46	21.20
MID	64QAM	20.45	20.42	20.62	21.20
HIGH	64QAM	20.35	20.29	20.11	21.20
LOW	64QAM	20.41	20.31	20.48	21.20
MID	64QAM	20.52	20.53	20.41	21.20
HIGH	64QAM	20.37	20.42	20.49	21.20
LOW	64QAM	20.41	20.20	20.31	21.20



LTE B38-DSI5 -Ant.13					
RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)
LOW	QPSK	20.56	20.35	20.27	21.20
MID	QPSK	20.40	20.51	20.34	21.20
HIGH	QPSK	20.32	20.31	20.22	21.20
LOW	QPSK	20.44	20.27	20.54	21.20
MID	QPSK	20.40	20.34	20.38	21.20
HIGH	QPSK	20.38	20.36	20.43	21.20
LOW	QPSK	20.36	20.41	20.30	21.20
LOW	Q16	20.49	20.29	20.49	21.20
MID	Q16	20.54	20.52	20.29	21.20
HIGH	Q16	20.55	20.33	20.33	21.20
LOW	Q16	20.35	20.25	20.58	21.20
MID	Q16	20.49	20.33	20.55	21.20
HIGH	Q16	20.63	20.38	20.30	21.20
LOW	Q16	20.42	20.38	20.51	21.20
LOW	64QAM	20.48	20.44	20.49	21.20
MID	64QAM	20.67	20.50	20.41	21.20
HIGH	64QAM	20.48	20.41	20.30	21.20
LOW	64QAM	20.46	20.35	20.56	21.20
MID	64QAM	20.57	20.29	20.42	21.20
HIGH	64QAM	20.40	20.43	20.27	21.20
LOW	64QAM	20.55	20.39	20.27	21.20
RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
LOW	QPSK	20.45	20.37	20.32	21.20
MID	QPSK	20.45	20.45	20.34	21.20
HIGH	QPSK	20.40	20.42	20.32	21.20
LOW	QPSK	20.42	20.40	20.42	21.20
MID	QPSK	20.47	20.53	20.45	21.20
HIGH	QPSK	20.51	20.48	20.43	21.20
LOW	QPSK	20.49	20.40	20.43	21.20
LOW	Q16	20.47	20.41	20.39	21.20
MID	Q16	20.55	20.51	20.44	21.20
HIGH	Q16	20.42	20.40	20.31	21.20
LOW	Q16	20.41	20.37	20.43	21.20
MID	Q16	20.50	20.44	20.45	21.20
HIGH	Q16	20.49	20.48	20.40	21.20
LOW	Q16	20.49	20.39	20.40	21.20
LOW	64QAM	20.56	20.40	20.49	21.20
MID	64QAM	20.56	20.55	20.53	21.20
HIGH	64QAM	20.41	20.37	20.22	21.20
LOW	64QAM	20.46	20.32	20.43	21.20
MID	64QAM	20.62	20.44	20.52	21.20
HIGH	64QAM	20.49	20.45	20.40	21.20
LOW	64QAM	20.44	20.35	20.32	21.20

LTE B38-DS18&9&10 -Ant.13								
Bandwidth (	RB Size	RB offset	Modulation	37775	38000	38225	Tune-up power(dBm)	
5	1	LOW	QPSK	18.98	18.74	18.91	19.70	
		MID	QPSK	18.99	18.89	18.89	19.70	
		HIGH	QPSK	18.85	19.07	18.74	19.70	
	12	LOW	QPSK	18.90	18.76	18.97	19.70	
		MID	QPSK	18.93	18.82	18.85	19.70	
		HIGH	QPSK	19.01	19.13	18.88	19.70	
	25	LOW	QPSK	19.08	18.92	19.01	19.70	
	5	1	LOW	Q16	19.02	19.07	18.74	19.70
			MID	Q16	18.92	18.89	19.02	19.70
HIGH			Q16	18.93	18.85	18.96	19.70	
12		LOW	Q16	18.74	18.77	18.91	19.70	
		MID	Q16	18.99	19.05	19.02	19.70	
		HIGH	Q16	18.92	18.97	18.84	19.70	
25		LOW	Q16	19.02	18.86	18.94	19.70	
5		1	LOW	64QAM	18.99	18.88	18.83	19.70
			MID	64QAM	18.77	18.96	19.03	19.70
	HIGH		64QAM	19.20	18.86	19.02	19.70	
	12	LOW	64QAM	18.93	18.92	19.02	19.70	
		MID	64QAM	18.81	19.08	18.95	19.70	
		HIGH	64QAM	18.85	19.06	18.96	19.70	
	25	LOW	64QAM	18.79	18.91	18.84	19.70	
	Bandwidth (	RB Size	RB offset	Modulation	37800	38000	38200	Tune-up power(dBm)
	10	1	LOW	QPSK	18.95	18.85	18.90	19.70
MID			QPSK	18.99	19.10	18.93	19.70	
HIGH			QPSK	18.91	19.09	18.74	19.70	
25		LOW	QPSK	18.84	18.87	18.96	19.70	
		MID	QPSK	18.90	18.82	18.89	19.70	
		HIGH	QPSK	18.92	18.98	19.02	19.70	
50		LOW	QPSK	19.01	18.90	19.07	19.70	
10		1	LOW	Q16	18.95	19.06	18.85	19.70
			MID	Q16	18.91	18.98	18.93	19.70
	HIGH		Q16	19.10	18.82	19.04	19.70	
	25	LOW	Q16	18.93	18.83	18.93	19.70	
		MID	Q16	19.02	18.93	19.03	19.70	
		HIGH	Q16	19.12	19.08	19.03	19.70	
	50	LOW	Q16	18.81	18.99	18.93	19.70	
	10	1	LOW	64QAM	19.10	18.92	18.73	19.70
			MID	64QAM	18.78	19.00	18.94	19.70
HIGH			64QAM	19.21	18.86	19.14	19.70	
25		LOW	64QAM	18.95	18.85	19.04	19.70	
		MID	64QAM	19.05	19.00	19.13	19.70	
		HIGH	64QAM	18.84	18.94	18.81	19.70	
50		LOW	64QAM	19.04	18.86	18.91	19.70	

LTE B38-DS18&9&10 -Ant.13								
Bandwidth (MHz)	RB Size	RB offset	Modulation	37825	38000	38175	Tune-up power(dBm)	
15	1	LOW	QPSK	18.87	18.99	18.94	19.70	
		MID	QPSK	19.03	18.84	18.75	19.70	
		HIGH	QPSK	18.97	19.07	18.69	19.70	
	36	LOW	QPSK	18.98	18.92	18.87	19.70	
		MID	QPSK	19.11	18.92	18.78	19.70	
		HIGH	QPSK	18.97	19.05	18.97	19.70	
	75	LOW	QPSK	19.09	18.82	18.96	19.70	
	15	1	LOW	Q16	18.99	18.83	19.02	19.70
			MID	Q16	19.10	18.95	18.95	19.70
HIGH			Q16	19.09	18.88	18.98	19.70	
36		LOW	Q16	18.88	18.89	18.81	19.70	
		MID	Q16	19.11	19.02	18.84	19.70	
		HIGH	Q16	18.94	18.97	18.98	19.70	
75		LOW	Q16	18.92	19.02	19.02	19.70	
15		1	LOW	64QAM	19.20	18.89	18.86	19.70
			MID	64QAM	18.85	18.95	18.79	19.70
	HIGH		64QAM	18.98	18.97	19.09	19.70	
	36	LOW	64QAM	19.03	18.93	19.01	19.70	
		MID	64QAM	18.88	18.88	19.11	19.70	
		HIGH	64QAM	18.93	19.04	18.92	19.70	
	75	LOW	64QAM	19.07	18.80	18.86	19.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	37850	38000	38150	Tune-up power(dBm)
	20	1	LOW	QPSK	18.87	18.88	18.83	19.70
MID			QPSK	18.91	18.95	18.85	19.70	
HIGH			QPSK	18.85	18.94	18.78	19.70	
50		LOW	QPSK	18.89	18.90	18.91	19.70	
		MID	QPSK	19.01	18.92	18.92	19.70	
		HIGH	QPSK	18.96	19.06	18.92	19.70	
100		LOW	QPSK	18.97	19.00	18.92	19.70	
20		1	LOW	Q16	19.04	18.95	18.89	19.70
			MID	Q16	19.04	18.91	19.00	19.70
	HIGH		Q16	19.06	18.96	18.92	19.70	
	50	LOW	Q16	18.88	18.91	18.91	19.70	
		MID	Q16	19.02	18.94	18.98	19.70	
		HIGH	Q16	18.99	19.02	18.92	19.70	
	100	LOW	Q16	18.95	18.91	18.91	19.70	
	20	1	LOW	64QAM	19.12	18.85	18.76	19.70
			MID	64QAM	18.90	18.86	18.92	19.70
HIGH			64QAM	19.12	18.85	19.02	19.70	
50		LOW	64QAM	18.98	18.89	19.00	19.70	
		MID	64QAM	18.95	19.01	19.00	19.70	
		HIGH	64QAM	18.84	19.04	18.94	19.70	
100		LOW	64QAM	18.92	18.83	18.87	19.70	

## 8.3.13LTE Band41 Output Power

LTE B41-Full Power -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.29	23.34	23.17	22.93	22.85	24.70	
		MID	QPSK	23.30	23.38	23.22	22.78	23.05	24.70	
		HIGH	QPSK	23.27	23.21	23.09	22.97	23.07	24.70	
	12	LOW	QPSK	22.29	22.18	22.33	21.94	21.95	23.70	
		MID	QPSK	22.50	22.24	22.14	22.10	21.93	23.70	
		HIGH	QPSK	22.54	22.21	22.14	21.98	22.11	23.70	
	25	LOW	QPSK	22.33	22.46	22.35	22.00	21.86	23.70	
	5	1	LOW	Q16	22.22	22.40	22.13	22.04	21.85	23.70
			MID	Q16	22.44	22.39	21.97	22.04	21.87	23.70
HIGH			Q16	22.51	22.24	22.23	22.16	22.20	23.70	
12		LOW	Q16	21.26	21.32	21.02	20.80	21.01	22.70	
		MID	Q16	21.61	21.32	21.21	20.88	21.15	22.70	
		HIGH	Q16	21.33	21.35	21.26	21.14	21.18	22.70	
25		LOW	Q16	21.40	21.34	21.19	20.83	21.05	22.70	
5		1	LOW	64QAM	21.33	21.42	21.37	21.31	21.08	22.70
			MID	64QAM	21.73	21.11	21.01	21.12	20.88	22.70
	HIGH		64QAM	21.25	21.33	21.26	20.90	21.26	22.70	
	12	LOW	64QAM	20.33	20.32	20.31	19.70	19.89	21.70	
		MID	64QAM	20.63	20.39	20.32	20.22	20.16	21.70	
		HIGH	64QAM	20.43	20.25	20.25	20.06	20.07	21.70	
	25	LOW	64QAM	20.64	20.20	19.99	20.04	20.05	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.35	23.26	23.08	22.86	22.94	24.70
MID			QPSK	23.40	23.34	23.16	22.95	22.79	24.70	
HIGH			QPSK	23.38	23.22	23.21	23.02	23.15	24.70	
25		LOW	QPSK	22.26	22.43	22.23	21.76	22.01	23.70	
		MID	QPSK	22.43	22.37	22.08	22.10	21.92	23.70	
		HIGH	QPSK	22.32	22.33	22.16	21.89	22.19	23.70	
50	LOW	QPSK	22.41	22.21	22.05	22.09	22.13	23.70		
10	1	LOW	Q16	22.36	22.25	22.22	22.08	22.14	23.70	
		MID	Q16	22.54	22.18	22.15	21.86	21.88	23.70	
		HIGH	Q16	22.51	22.20	22.29	22.03	21.99	23.70	
	25	LOW	Q16	21.33	21.27	21.10	20.98	20.86	22.70	
		MID	Q16	21.59	21.50	21.31	21.15	20.96	22.70	
		HIGH	Q16	21.35	21.37	21.09	21.05	20.97	22.70	
50	LOW	Q16	21.44	21.23	21.31	20.82	20.83	22.70		
10	1	LOW	64QAM	21.27	21.45	21.25	21.06	20.86	22.70	
		MID	64QAM	21.65	21.16	21.07	21.17	20.82	22.70	
		HIGH	64QAM	21.24	21.44	21.38	20.99	21.20	22.70	
	25	LOW	64QAM	20.38	20.07	20.25	19.73	20.00	21.70	
		MID	64QAM	20.64	20.23	20.17	20.07	20.21	21.70	
		HIGH	64QAM	20.20	20.20	20.46	20.03	19.91	21.70	
	50	LOW	64QAM	20.61	20.22	19.92	20.12	19.95	21.70	

LTE B41-Full Power -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.13	23.18	23.07	22.89	23.03	24.70	
		MID	QPSK	23.40	23.29	23.19	22.96	22.90	24.70	
		HIGH	QPSK	23.35	23.34	23.18	22.94	23.07	24.70	
	36	LOW	QPSK	22.43	22.46	22.23	21.83	22.00	23.70	
		MID	QPSK	22.31	22.49	22.30	21.90	22.08	23.70	
		HIGH	QPSK	22.38	22.43	22.10	21.83	22.09	23.70	
	75	LOW	QPSK	22.53	22.29	22.26	22.01	22.03	23.70	
	15	1	LOW	Q16	22.37	22.31	22.22	21.99	22.04	23.70
			MID	Q16	22.39	22.14	22.06	22.06	21.95	23.70
HIGH			Q16	22.35	22.40	22.24	22.08	22.26	23.70	
36		LOW	Q16	21.32	21.40	21.24	20.79	20.94	22.70	
		MID	Q16	21.46	21.41	21.24	21.04	21.08	22.70	
		HIGH	Q16	21.41	21.34	21.28	21.14	20.99	22.70	
75		LOW	Q16	21.45	21.26	21.12	20.97	20.95	22.70	
15		1	LOW	64QAM	21.25	21.35	21.39	21.23	20.95	22.70
			MID	64QAM	21.55	21.10	20.81	21.10	21.01	22.70
	HIGH		64QAM	21.33	21.37	21.52	20.92	21.25	22.70	
	36	LOW	64QAM	20.12	20.29	20.07	19.89	19.93	21.70	
		MID	64QAM	20.74	20.34	20.30	20.07	20.11	21.70	
		HIGH	64QAM	20.33	20.44	20.20	19.91	20.15	21.70	
	75	LOW	64QAM	20.50	20.31	20.05	20.02	20.07	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.26	23.27	23.13	22.91	22.96	24.70
MID			QPSK	23.35	23.30	23.15	22.89	22.94	24.70	
HIGH			QPSK	23.36	23.21	23.15	22.96	23.02	24.70	
50		LOW	QPSK	22.30	22.32	22.18	21.89	21.90	23.70	
		MID	QPSK	22.42	22.37	22.23	21.99	21.99	23.70	
		HIGH	QPSK	22.42	22.31	22.20	21.94	22.04	23.70	
100	LOW	QPSK	22.40	22.34	22.20	21.95	21.99	23.70		
20	1	LOW	Q16	22.31	22.26	22.19	22.07	21.99	23.70	
		MID	Q16	22.46	22.24	22.06	22.00	21.99	23.70	
		HIGH	Q16	22.43	22.32	22.24	22.12	22.12	23.70	
	50	LOW	Q16	21.30	21.28	21.15	20.87	20.91	22.70	
		MID	Q16	21.46	21.35	21.24	21.01	21.03	22.70	
		HIGH	Q16	21.45	21.31	21.21	20.99	21.04	22.70	
100	LOW	Q16	21.41	21.36	21.19	20.97	20.98	22.70		
20	1	LOW	64QAM	21.25	21.39	21.33	21.17	21.01	22.70	
		MID	64QAM	21.60	21.04	20.95	21.12	20.93	22.70	
		HIGH	64QAM	21.37	21.29	21.41	21.00	21.18	22.70	
	50	LOW	64QAM	20.24	20.21	20.16	19.74	19.97	21.70	
		MID	64QAM	20.59	20.31	20.24	20.11	20.13	21.70	
		HIGH	64QAM	20.30	20.35	20.35	20.03	20.04	21.70	
	100	LOW	64QAM	20.53	20.27	20.02	20.11	19.94	21.70	

LTE B41-DSI2&3 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	14.89	14.99	14.73	14.49	14.44	16.20	
		MID	QPSK	14.97	14.82	14.87	14.56	14.46	16.20	
		HIGH	QPSK	14.92	14.94	14.66	14.63	14.79	16.20	
	12	LOW	QPSK	15.11	14.90	14.68	14.70	14.48	16.20	
		MID	QPSK	15.22	15.19	14.97	14.58	14.51	16.20	
		HIGH	QPSK	15.19	14.90	14.99	14.66	14.79	16.20	
	25	LOW	QPSK	15.22	15.13	14.87	14.46	14.66	16.20	
	5	1	LOW	Q16	15.05	14.96	14.98	14.66	14.48	16.20
			MID	Q16	15.33	14.94	14.93	14.81	14.49	16.20
HIGH			Q16	15.06	14.87	14.72	14.72	14.74	16.20	
12		LOW	Q16	14.99	14.92	14.77	14.53	14.51	16.20	
		MID	Q16	15.13	15.11	15.03	14.46	14.68	16.20	
		HIGH	Q16	15.21	15.15	15.00	14.71	14.62	16.20	
25		LOW	Q16	15.14	14.90	15.05	14.75	14.48	16.20	
5		1	LOW	64QAM	15.02	14.69	14.83	15.00	14.51	16.20
			MID	64QAM	15.16	14.99	14.85	14.79	14.68	16.20
	HIGH		64QAM	15.18	14.96	14.67	14.77	14.77	16.20	
	12	LOW	64QAM	15.08	15.10	15.08	14.53	14.61	16.20	
		MID	64QAM	15.23	14.87	14.94	14.55	14.44	16.20	
		HIGH	64QAM	14.91	15.02	15.01	14.53	14.61	16.20	
	25	LOW	64QAM	15.23	15.18	15.05	14.63	14.64	16.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	14.93	14.99	14.77	14.58	14.71	16.20
MID			QPSK	15.03	15.12	14.70	14.74	14.53	16.20	
HIGH			QPSK	15.22	14.99	14.83	14.44	14.70	16.20	
25		LOW	QPSK	15.12	15.02	14.94	14.50	14.35	16.20	
		MID	QPSK	15.03	15.06	14.90	14.60	14.74	16.20	
		HIGH	QPSK	15.03	15.00	14.71	14.52	14.77	16.20	
50	LOW	QPSK	15.16	15.15	15.00	14.52	14.39	16.20		
10	1	LOW	Q16	15.00	14.97	15.15	14.71	14.64	16.20	
		MID	Q16	15.35	14.88	14.97	14.60	14.62	16.20	
		HIGH	Q16	15.07	15.03	14.75	14.61	14.64	16.20	
	25	LOW	Q16	15.06	15.04	14.91	14.64	14.45	16.20	
		MID	Q16	15.13	15.24	14.92	14.73	14.65	16.20	
		HIGH	Q16	15.23	15.04	14.72	14.46	14.52	16.20	
50	LOW	Q16	15.16	14.93	14.98	14.62	14.67	16.20		
10	1	LOW	64QAM	14.82	14.70	14.95	14.78	14.36	16.20	
		MID	64QAM	15.19	15.01	14.66	14.69	14.60	16.20	
		HIGH	64QAM	15.17	15.13	14.94	14.56	14.74	16.20	
	25	LOW	64QAM	15.08	14.94	15.03	14.52	14.59	16.20	
		MID	64QAM	15.04	15.01	15.11	14.78	14.63	16.20	
		HIGH	64QAM	14.91	14.89	14.83	14.62	14.55	16.20	
	50	LOW	64QAM	15.12	15.28	15.01	14.74	14.70	16.20	

LTE B41-DSI2&3 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	14.93	14.88	14.77	14.56	14.56	16.20	
		MID	QPSK	15.01	14.93	14.73	14.64	14.65	16.20	
		HIGH	QPSK	15.04	14.86	14.82	14.74	14.64	16.20	
	36	LOW	QPSK	15.14	14.87	14.80	14.56	14.48	16.20	
		MID	QPSK	15.04	14.89	14.92	14.66	14.59	16.20	
		HIGH	QPSK	15.09	15.18	14.95	14.53	14.53	16.20	
	75	LOW	QPSK	15.22	14.92	14.84	14.51	14.38	16.20	
	15	1	LOW	Q16	15.18	15.09	15.19	14.93	14.54	16.20
			MID	Q16	15.23	15.10	14.94	14.75	14.74	16.20
HIGH			Q16	15.29	14.92	14.82	14.75	14.86	16.20	
36		LOW	Q16	15.18	14.94	14.74	14.65	14.65	16.20	
		MID	Q16	15.24	15.16	14.81	14.64	14.60	16.20	
		HIGH	Q16	15.22	14.90	14.85	14.56	14.79	16.20	
75		LOW	Q16	15.19	15.00	15.07	14.52	14.62	16.20	
15		1	LOW	64QAM	14.92	14.73	14.78	14.79	14.47	16.20
			MID	64QAM	15.27	14.93	14.84	14.80	14.50	16.20
	HIGH		64QAM	15.22	15.02	14.89	14.69	14.65	16.20	
	36	LOW	64QAM	15.17	14.95	15.01	14.57	14.33	16.20	
		MID	64QAM	15.18	14.93	15.03	14.64	14.53	16.20	
		HIGH	64QAM	15.00	15.10	14.85	14.76	14.55	16.20	
	75	LOW	64QAM	15.37	15.28	15.06	14.61	14.53	16.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	14.85	14.95	14.97	14.60	14.59	16.20
MID			QPSK	14.84	14.97	15.05	14.60	14.60	16.20	
HIGH			QPSK	14.77	14.93	15.07	14.59	14.69	16.20	
50		LOW	QPSK	14.81	15.00	15.07	14.59	14.49	16.20	
		MID	QPSK	14.91	15.04	15.12	14.60	14.64	16.20	
		HIGH	QPSK	14.85	15.04	15.15	14.58	14.64	16.20	
100	LOW	QPSK	15.10	15.04	15.12	14.61	14.52	16.20		
20	1	LOW	Q16	15.09	14.98	15.05	14.81	14.62	16.20	
		MID	Q16	15.21	14.98	14.90	14.70	14.61	16.20	
		HIGH	Q16	15.15	14.94	14.85	14.76	14.78	16.20	
	50	LOW	Q16	15.06	15.01	14.83	14.59	14.52	16.20	
		MID	Q16	15.14	15.09	14.89	14.61	14.60	16.20	
		HIGH	Q16	15.11	15.04	14.86	14.58	14.64	16.20	
100	LOW	Q16	15.12	15.05	14.92	14.62	14.52	16.20		
20	1	LOW	64QAM	14.96	14.71	14.91	14.88	14.50	16.20	
		MID	64QAM	15.26	15.06	14.70	14.80	14.55	16.20	
		HIGH	64QAM	15.17	14.99	14.79	14.66	14.70	16.20	
	50	LOW	64QAM	15.13	15.04	14.93	14.49	14.47	16.20	
		MID	64QAM	15.10	14.94	14.98	14.68	14.59	16.20	
		HIGH	64QAM	15.01	14.96	14.95	14.68	14.59	16.20	
	100	LOW	64QAM	15.23	15.29	15.12	14.69	14.63	16.20	

LTE B41-DSi4 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.56	22.55	22.40	22.23	22.08	23.70	
		MID	QPSK	22.50	22.38	22.18	22.12	22.05	23.70	
		HIGH	QPSK	22.54	22.23	22.29	21.99	22.15	23.70	
	12	LOW	QPSK	22.35	22.31	22.11	21.81	21.82	23.70	
		MID	QPSK	22.33	22.18	22.29	21.93	21.93	23.70	
		HIGH	QPSK	22.28	22.26	22.14	21.90	22.00	23.70	
	25	LOW	QPSK	22.24	22.07	22.18	21.92	21.85	23.70	
	5	1	LOW	Q16	22.38	22.11	22.22	21.91	21.77	23.70
			MID	Q16	22.52	22.16	22.03	21.84	21.93	23.70
HIGH			Q16	22.49	22.17	22.21	22.05	21.97	23.70	
12		LOW	Q16	21.24	21.15	21.18	20.73	20.86	22.70	
		MID	Q16	21.37	21.35	21.04	20.90	20.96	22.70	
		HIGH	Q16	21.27	21.20	21.01	20.90	20.78	22.70	
25		LOW	Q16	21.40	21.19	21.13	20.99	21.04	22.70	
5		1	LOW	64QAM	21.57	20.93	20.90	21.03	20.86	22.70
			MID	64QAM	21.31	21.36	21.06	20.75	21.02	22.70
	HIGH		64QAM	21.18	21.02	21.14	21.04	21.03	22.70	
	12	LOW	64QAM	20.23	20.27	20.24	19.76	19.82	21.70	
		MID	64QAM	20.51	20.02	19.96	19.71	19.83	21.70	
		HIGH	64QAM	20.22	20.06	19.91	19.77	19.90	21.70	
	25	LOW	64QAM	20.16	20.04	19.88	19.82	20.01	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.55	22.42	22.40	22.21	22.17	23.70
MID			QPSK	22.60	22.49	22.12	22.14	22.07	23.70	
HIGH			QPSK	22.56	22.36	22.30	21.88	22.26	23.70	
25		LOW	QPSK	22.39	22.09	21.99	21.72	21.85	23.70	
		MID	QPSK	22.21	22.36	22.21	22.04	21.85	23.70	
		HIGH	QPSK	22.40	22.25	22.18	21.89	22.12	23.70	
50	LOW	QPSK	22.19	22.32	22.25	21.90	21.87	23.70		
10	1	LOW	Q16	22.41	22.10	22.11	21.93	21.76	23.70	
		MID	Q16	22.38	22.28	22.04	21.88	21.97	23.70	
		HIGH	Q16	22.37	22.08	22.00	21.98	22.05	23.70	
	25	LOW	Q16	21.36	21.12	20.94	20.85	20.74	22.70	
		MID	Q16	21.26	21.11	21.09	20.92	20.82	22.70	
		HIGH	Q16	21.34	21.17	21.03	20.73	20.98	22.70	
50	LOW	Q16	21.41	21.30	21.04	20.98	21.03	22.70		
10	1	LOW	64QAM	21.33	20.99	20.94	21.01	20.84	22.70	
		MID	64QAM	21.44	21.61	21.03	20.70	21.19	22.70	
		HIGH	64QAM	21.29	21.01	21.22	21.05	21.04	22.70	
	25	LOW	64QAM	20.09	20.34	20.08	19.84	19.82	21.70	
		MID	64QAM	20.48	20.29	20.03	19.71	19.73	21.70	
		HIGH	64QAM	20.35	20.28	19.80	19.79	19.87	21.70	
	50	LOW	64QAM	20.17	20.30	19.78	19.79	19.78	21.70	



LTE B41-DSI4 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	22.30	22.51	22.15	22.01	21.97	23.70	
		MID	QPSK	22.58	22.32	22.25	21.85	22.14	23.70	
		HIGH	QPSK	22.62	22.42	22.30	21.85	22.25	23.70	
	36	LOW	QPSK	22.10	22.08	22.04	21.80	21.85	23.70	
		MID	QPSK	22.32	22.35	22.16	21.78	21.88	23.70	
		HIGH	QPSK	22.42	22.17	22.18	21.78	21.95	23.70	
	75	LOW	QPSK	22.43	22.31	22.07	21.90	21.91	23.70	
	15	1	LOW	Q16	22.40	22.25	22.07	22.03	21.70	23.70
			MID	Q16	22.36	22.25	21.85	21.96	21.95	23.70
HIGH			Q16	22.21	22.12	21.94	22.09	22.12	23.70	
36		LOW	Q16	21.24	21.13	20.94	20.86	20.73	22.70	
		MID	Q16	21.45	21.38	21.05	20.78	20.79	22.70	
		HIGH	Q16	21.39	21.09	20.93	20.76	20.77	22.70	
75		LOW	Q16	21.45	21.21	21.14	20.73	20.89	22.70	
15		1	LOW	64QAM	21.40	21.04	21.10	20.94	20.86	22.70
			MID	64QAM	21.44	21.47	21.19	20.88	21.07	22.70
	HIGH		64QAM	21.16	21.00	21.28	20.97	21.20	22.70	
	36	LOW	64QAM	20.33	20.28	19.99	19.78	19.70	21.70	
		MID	64QAM	20.46	20.00	20.04	19.92	19.83	21.70	
		HIGH	64QAM	20.22	20.19	19.71	19.79	19.83	21.70	
	75	LOW	64QAM	20.31	20.34	19.78	19.76	19.95	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	22.05	22.42	22.29	22.10	22.41	23.70
MID			QPSK	22.07	22.39	22.26	22.00	22.50	23.70	
HIGH			QPSK	22.26	22.34	22.23	21.98	22.48	23.70	
50		LOW	QPSK	21.80	22.18	22.06	21.80	22.25	23.70	
		MID	QPSK	21.95	22.27	22.14	21.90	22.32	23.70	
		HIGH	QPSK	21.98	22.20	22.11	21.88	22.34	23.70	
100	LOW	QPSK	21.92	22.21	22.10	21.86	22.33	23.70		
20	1	LOW	Q16	22.44	22.15	22.16	21.99	21.85	23.70	
		MID	Q16	22.46	22.26	21.98	21.95	21.92	23.70	
		HIGH	Q16	22.34	22.07	22.07	21.98	22.01	23.70	
	50	LOW	Q16	21.28	21.20	21.08	20.77	20.81	22.70	
		MID	Q16	21.32	21.24	21.13	20.86	20.90	22.70	
		HIGH	Q16	21.33	21.21	21.08	20.85	20.91	22.70	
100	LOW	Q16	21.33	21.24	21.11	20.85	20.90	22.70		
20	1	LOW	64QAM	21.46	21.05	20.98	21.03	20.73	22.70	
		MID	64QAM	21.44	21.50	21.16	20.80	21.06	22.70	
		HIGH	64QAM	21.28	21.14	21.14	21.05	21.13	22.70	
	50	LOW	64QAM	20.22	20.25	20.11	19.88	19.74	21.70	
		MID	64QAM	20.44	20.14	19.91	19.77	19.75	21.70	
		HIGH	64QAM	20.37	20.16	19.84	19.73	19.78	21.70	
	100	LOW	64QAM	20.23	20.19	19.93	19.80	19.87	21.70	

LTE B41-DSI5 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	18.91	18.85	18.85	18.66	18.41	20.20	
		MID	QPSK	19.11	18.78	18.57	18.51	18.73	20.20	
		HIGH	QPSK	18.88	18.83	18.61	18.57	18.82	20.20	
	12	LOW	QPSK	18.88	18.97	18.80	18.57	18.63	20.20	
		MID	QPSK	18.99	18.84	18.78	18.76	18.60	20.20	
		HIGH	QPSK	19.00	18.89	18.83	18.60	18.69	20.20	
	25	LOW	QPSK	19.01	18.99	18.71	18.50	18.77	20.20	
	5	1	LOW	Q16	19.12	18.76	18.77	18.75	18.47	20.20
			MID	Q16	19.09	18.96	18.80	18.80	18.54	20.20
HIGH			Q16	19.13	18.59	18.90	18.89	18.74	20.20	
12		LOW	Q16	19.06	19.03	18.76	18.41	18.35	20.20	
		MID	Q16	18.98	18.96	18.75	18.55	18.65	20.20	
		HIGH	Q16	19.06	18.94	18.81	18.48	18.74	20.20	
25		LOW	Q16	19.19	18.99	18.76	18.68	18.61	20.20	
5		1	LOW	64QAM	18.95	18.88	18.95	18.66	18.36	20.20
			MID	64QAM	19.11	18.94	19.02	18.92	18.72	20.20
	HIGH		64QAM	19.28	18.92	18.86	18.79	19.06	20.20	
	12	LOW	64QAM	18.80	18.96	18.57	18.55	18.51	20.20	
		MID	64QAM	19.04	19.07	18.74	18.57	18.54	20.20	
		HIGH	64QAM	18.97	18.92	18.65	18.65	18.50	20.20	
	25	LOW	64QAM	19.03	19.13	18.87	18.50	18.51	20.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	18.90	18.93	18.92	18.53	18.41	20.20
MID			QPSK	18.90	18.92	18.83	18.51	18.51	20.20	
HIGH			QPSK	19.08	18.85	18.57	18.64	18.71	20.20	
25		LOW	QPSK	19.10	18.95	18.86	18.41	18.42	20.20	
		MID	QPSK	18.95	18.82	18.80	18.54	18.52	20.20	
		HIGH	QPSK	19.14	19.07	18.71	18.68	18.61	20.20	
50	LOW	QPSK	19.14	19.06	18.93	18.49	18.76	20.20		
10	1	LOW	Q16	19.09	18.72	18.70	18.58	18.60	20.20	
		MID	Q16	19.01	18.84	18.79	18.71	18.68	20.20	
		HIGH	Q16	19.08	18.62	18.68	18.78	18.83	20.20	
	25	LOW	Q16	19.06	18.84	18.91	18.56	18.40	20.20	
		MID	Q16	19.02	18.91	18.80	18.60	18.50	20.20	
		HIGH	Q16	19.14	18.90	18.73	18.54	18.61	20.20	
50	LOW	Q16	18.98	19.02	18.81	18.68	18.52	20.20		
10	1	LOW	64QAM	18.89	19.00	18.98	18.58	18.59	20.20	
		MID	64QAM	19.27	18.76	18.78	18.77	18.75	20.20	
		HIGH	64QAM	19.07	18.67	18.82	18.75	19.00	20.20	
	25	LOW	64QAM	18.94	18.82	18.72	18.68	18.37	20.20	
		MID	64QAM	18.95	18.89	18.68	18.50	18.72	20.20	
		HIGH	64QAM	19.10	18.65	18.66	18.43	18.71	20.20	
	50	LOW	64QAM	18.99	18.88	18.80	18.51	18.52	20.20	

LTE B41-DSI5 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	18.77	18.77	18.79	18.40	18.57	20.20	
		MID	QPSK	19.04	18.98	18.61	18.70	18.68	20.20	
		HIGH	QPSK	19.11	18.87	18.70	18.55	18.63	20.20	
	36	LOW	QPSK	19.07	18.97	18.88	18.46	18.60	20.20	
		MID	QPSK	19.12	18.95	18.69	18.54	18.63	20.20	
		HIGH	QPSK	19.05	18.77	18.86	18.50	18.77	20.20	
	75	LOW	QPSK	19.00	18.99	18.88	18.52	18.54	20.20	
	15	1	LOW	Q16	19.05	18.95	18.94	18.64	18.57	20.20
			MID	Q16	19.17	18.80	18.73	18.72	18.62	20.20
HIGH			Q16	19.09	18.80	18.69	18.78	19.02	20.20	
36		LOW	Q16	18.78	18.78	18.85	18.38	18.59	20.20	
		MID	Q16	18.97	18.92	18.71	18.52	18.74	20.20	
		HIGH	Q16	19.17	18.96	18.71	18.66	18.66	20.20	
75		LOW	Q16	19.06	19.05	18.92	18.64	18.49	20.20	
15		1	LOW	64QAM	19.03	19.02	18.86	18.83	18.33	20.20
			MID	64QAM	19.38	18.97	19.02	18.68	18.70	20.20
	HIGH		64QAM	19.22	18.92	18.78	18.77	19.12	20.20	
	36	LOW	64QAM	18.78	18.69	18.86	18.75	18.51	20.20	
		MID	64QAM	18.91	19.05	18.97	18.50	18.58	20.20	
		HIGH	64QAM	19.10	18.72	18.78	18.57	18.55	20.20	
	75	LOW	64QAM	19.13	19.04	18.69	18.44	18.70	20.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	18.53	18.83	18.79	18.89	18.53	20.20
MID			QPSK	18.56	18.85	18.71	19.00	18.59	20.20	
HIGH			QPSK	18.53	18.75	18.69	18.98	18.68	20.20	
50		LOW	QPSK	18.50	18.86	18.77	18.95	18.52	20.20	
		MID	QPSK	18.61	18.95	18.84	19.07	18.63	20.20	
		HIGH	QPSK	18.56	18.92	18.77	19.03	18.64	20.20	
100	LOW	QPSK	18.59	18.95	18.78	19.06	18.63	20.20		
20	1	LOW	Q16	19.11	18.87	18.82	18.72	18.45	20.20	
		MID	Q16	19.11	18.83	18.74	18.76	18.55	20.20	
		HIGH	Q16	19.13	18.73	18.82	18.75	18.87	20.20	
	50	LOW	Q16	18.91	18.90	18.78	18.50	18.50	20.20	
		MID	Q16	19.08	19.00	18.83	18.57	18.65	20.20	
		HIGH	Q16	19.03	18.91	18.81	18.59	18.67	20.20	
100	LOW	Q16	19.05	18.95	18.84	18.58	18.60	20.20		
20	1	LOW	64QAM	18.96	18.89	18.88	18.68	18.46	20.20	
		MID	64QAM	19.24	18.90	18.90	18.83	18.66	20.20	
		HIGH	64QAM	19.20	18.80	18.84	18.73	19.01	20.20	
	50	LOW	64QAM	18.91	18.81	18.72	18.61	18.38	20.20	
		MID	64QAM	18.98	18.93	18.83	18.45	18.61	20.20	
		HIGH	64QAM	18.98	18.78	18.66	18.56	18.56	20.20	
	100	LOW	64QAM	19.12	19.01	18.79	18.46	18.64	20.20	

LTE B41-DSI8&9&10 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	16.38	16.47	16.45	16.26	16.17	17.70	
		MID	QPSK	16.54	16.38	16.25	16.16	16.00	17.70	
		HIGH	QPSK	16.64	16.29	16.49	16.13	16.31	17.70	
	12	LOW	QPSK	16.53	16.54	16.49	16.13	16.06	17.70	
		MID	QPSK	16.64	16.83	16.54	16.25	16.11	17.70	
		HIGH	QPSK	16.76	16.51	16.37	16.03	16.34	17.70	
	25	LOW	QPSK	16.56	16.46	16.46	16.21	15.88	17.70	
	5	1	LOW	Q16	16.65	16.38	16.40	16.18	15.98	17.70
			MID	Q16	16.54	16.41	16.32	16.26	16.05	17.70
HIGH			Q16	16.66	16.28	16.50	16.22	16.38	17.70	
12		LOW	Q16	16.75	16.34	16.37	15.91	15.89	17.70	
		MID	Q16	16.47	16.58	16.45	16.10	16.31	17.70	
		HIGH	Q16	16.62	16.62	16.45	16.11	16.26	17.70	
25		LOW	Q16	16.71	16.39	16.36	16.11	16.25	17.70	
5		1	LOW	64QAM	16.79	16.51	16.60	16.24	16.25	17.70
			MID	64QAM	16.51	16.38	16.58	16.23	16.13	17.70
	HIGH		64QAM	16.68	16.03	16.32	16.36	16.10	17.70	
	12	LOW	64QAM	16.64	16.31	16.29	16.23	15.93	17.70	
		MID	64QAM	16.56	16.11	16.21	15.99	15.99	17.70	
		HIGH	64QAM	16.66	16.67	16.42	16.03	16.11	17.70	
	25	LOW	64QAM	16.70	16.70	16.54	16.40	16.15	17.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	16.54	16.35	16.39	16.14	16.20	17.70
MID			QPSK	16.68	16.39	16.18	16.12	16.13	17.70	
HIGH			QPSK	16.55	16.43	16.43	16.07	16.20	17.70	
25		LOW	QPSK	16.80	16.53	16.34	16.17	15.91	17.70	
		MID	QPSK	16.66	16.52	16.35	16.18	16.16	17.70	
		HIGH	QPSK	16.68	16.38	16.44	16.29	16.12	17.70	
50	LOW	QPSK	16.59	16.67	16.42	16.16	16.18	17.70		
10	1	LOW	Q16	16.41	16.20	16.56	16.08	15.87	17.70	
		MID	Q16	16.55	16.39	16.47	16.07	15.93	17.70	
		HIGH	Q16	16.60	16.31	16.61	16.38	16.17	17.70	
	25	LOW	Q16	16.46	16.66	16.21	16.18	15.93	17.70	
		MID	Q16	16.55	16.45	16.36	16.06	16.31	17.70	
		HIGH	Q16	16.56	16.65	16.29	16.25	16.34	17.70	
50	LOW	Q16	16.61	16.51	16.48	16.23	16.26	17.70		
10	1	LOW	64QAM	16.59	16.77	16.77	16.32	16.18	17.70	
		MID	64QAM	16.68	16.67	16.46	16.16	16.17	17.70	
		HIGH	64QAM	16.74	16.21	16.33	16.21	16.06	17.70	
	25	LOW	64QAM	16.53	16.37	16.21	16.25	15.87	17.70	
		MID	64QAM	16.50	16.27	16.47	16.20	15.97	17.70	
		HIGH	64QAM	16.44	16.77	16.40	16.14	16.12	17.70	
	50	LOW	64QAM	16.57	16.78	16.51	16.18	16.16	17.70	

LTE B41-DSI8&9&10 -Ant.13										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	16.55	16.54	16.35	16.32	16.00	17.70	
		MID	QPSK	16.59	16.61	16.28	15.93	16.22	17.70	
		HIGH	QPSK	16.59	16.43	16.29	16.20	16.16	17.70	
	36	LOW	QPSK	16.66	16.64	16.27	16.16	15.98	17.70	
		MID	QPSK	16.74	16.83	16.59	16.34	16.17	17.70	
		HIGH	QPSK	16.67	16.72	16.48	16.13	16.20	17.70	
	75	LOW	QPSK	16.77	16.74	16.58	16.14	16.01	17.70	
	15	1	LOW	Q16	16.62	16.19	16.27	16.14	16.15	17.70
			MID	Q16	16.91	16.30	16.44	16.25	16.23	17.70
HIGH			Q16	16.58	16.22	16.32	16.24	16.40	17.70	
36		LOW	Q16	16.55	16.59	16.35	15.97	15.95	17.70	
		MID	Q16	16.52	16.61	16.30	16.13	16.15	17.70	
		HIGH	Q16	16.62	16.41	16.54	16.24	15.96	17.70	
75		LOW	Q16	16.64	16.57	16.41	16.05	16.33	17.70	
15		1	LOW	64QAM	16.62	16.67	16.57	16.19	16.08	17.70
			MID	64QAM	16.59	16.43	16.39	16.10	16.17	17.70
	HIGH		64QAM	16.65	16.19	16.34	16.31	16.21	17.70	
	36	LOW	64QAM	16.58	16.43	16.34	16.27	16.05	17.70	
		MID	64QAM	16.49	16.17	16.38	16.00	16.04	17.70	
		HIGH	64QAM	16.65	16.68	16.35	16.29	16.19	17.70	
	75	LOW	64QAM	16.75	16.77	16.58	16.21	16.30	17.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	16.06	16.52	16.45	16.56	16.12	17.70
MID			QPSK	16.15	16.50	16.39	16.62	16.10	17.70	
HIGH			QPSK	16.16	16.42	16.36	16.65	16.16	17.70	
50		LOW	QPSK	16.09	16.57	16.39	16.62	16.18	17.70	
		MID	QPSK	16.17	16.68	16.46	16.69	16.13	17.70	
		HIGH	QPSK	16.21	16.58	16.37	16.62	16.14	17.70	
100	LOW	QPSK	16.08	16.65	16.38	16.65	16.15	17.70		
20	1	LOW	Q16	16.50	16.33	16.49	16.24	16.01	17.70	
		MID	Q16	16.68	16.36	16.39	16.16	16.02	17.70	
		HIGH	Q16	16.62	16.26	16.40	16.27	16.32	17.70	
	50	LOW	Q16	16.55	16.48	16.27	16.09	16.04	17.70	
		MID	Q16	16.66	16.43	16.41	16.15	16.17	17.70	
		HIGH	Q16	16.66	16.44	16.33	16.09	16.12	17.70	
100	LOW	Q16	16.65	16.50	16.31	16.14	16.14	17.70		
20	1	LOW	64QAM	16.63	16.59	16.62	16.13	16.14	17.70	
		MID	64QAM	16.60	16.48	16.48	16.14	16.08	17.70	
		HIGH	64QAM	16.70	16.13	16.28	16.33	16.10	17.70	
	50	LOW	64QAM	16.59	16.34	16.24	16.22	16.08	17.70	
		MID	64QAM	16.48	16.29	16.29	16.11	16.01	17.70	
		HIGH	64QAM	16.55	16.56	16.32	16.10	16.16	17.70	
100	LOW	64QAM	16.65	16.67	16.61	16.19	16.19	17.70		

## 8.3.13LTE Band41 Output Power

LTE B41-Full Power -Ant.13 (ENDC)											
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)		
5	1	LOW	QPSK	23.29	23.30	23.43	23.41	23.52	24.70		
		MID	QPSK	23.30	23.27	23.48	23.15	23.44	24.70		
		HIGH	QPSK	23.20	23.19	23.34	23.11	23.22	24.70		
	12	LOW	QPSK	22.30	22.06	22.30	22.21	22.66	23.70		
		MID	QPSK	22.54	22.11	22.61	22.20	22.39	23.70		
		HIGH	QPSK	22.41	22.46	22.43	22.07	22.10	23.70		
	25	LOW	QPSK	22.32	22.67	22.48	22.22	22.38	23.70		
	5	1	LOW	Q16	22.22	22.61	22.46	22.29	22.69	23.70	
			MID	Q16	22.62	22.20	22.63	22.72	22.41	23.70	
HIGH			Q16	22.45	22.39	22.56	22.63	22.57	23.70		
12		LOW	Q16	21.16	21.10	21.22	21.27	21.12	22.70		
		MID	Q16	21.35	21.52	21.26	21.44	21.17	22.70		
		HIGH	Q16	21.44	21.36	21.36	21.21	21.13	22.70		
25		LOW	Q16	21.20	21.54	21.11	21.38	21.15	22.70		
5		1	LOW	64QAM	21.28	21.00	21.19	21.08	21.40	22.70	
			MID	64QAM	21.46	21.39	21.40	20.94	21.15	22.70	
	HIGH		64QAM	21.00	20.94	21.42	21.29	21.47	22.70		
	12	LOW	64QAM	20.45	20.30	20.17	20.25	20.33	21.70		
		MID	64QAM	20.29	20.29	20.16	20.16	20.22	21.70		
		HIGH	64QAM	20.22	20.26	20.20	20.14	20.12	21.70		
	25	LOW	64QAM	20.24	20.06	20.10	20.05	20.20	21.70		
	10	1	LOW	QPSK	23.32	23.12	23.27	23.45	23.48	24.70	
			MID	QPSK	23.45	23.33	23.56	23.25	23.42	24.70	
HIGH			QPSK	23.15	23.10	23.49	23.04	23.26	24.70		
25			LOW	QPSK	22.13	22.05	22.31	22.47	22.60	23.70	
MID			QPSK	22.52	22.21	22.57	22.09	22.33	23.70		
HIGH			QPSK	22.50	22.31	22.19	22.35	22.11	23.70		
50			LOW	QPSK	22.25	22.42	22.47	22.21	22.17	23.70	
10			1	LOW	Q16	22.45	22.48	22.40	22.28	22.68	23.70
				MID	Q16	22.70	22.22	22.67	22.59	22.55	23.70
		HIGH		Q16	22.22	22.21	22.44	22.81	22.70	23.70	
		25	LOW	Q16	21.30	21.23	21.43	21.24	21.12	22.70	
			MID	Q16	21.51	21.58	21.25	21.32	21.09	22.70	
			HIGH	Q16	21.60	21.47	21.60	21.11	21.29	22.70	
		50	LOW	Q16	21.18	21.40	21.09	21.37	21.15	22.70	
		10	1	LOW	64QAM	21.31	21.16	21.32	21.18	21.46	22.70
				MID	64QAM	21.29	21.50	21.51	21.17	21.23	22.70
HIGH				64QAM	21.20	20.94	21.34	21.37	21.44	22.70	
25			LOW	64QAM	20.53	20.31	20.36	20.26	20.36	21.70	
			MID	64QAM	20.33	20.33	20.21	20.25	20.04	21.70	
			HIGH	64QAM	20.31	20.03	20.11	20.24	20.05	21.70	
50			LOW	64QAM	20.29	20.09	20.08	20.02	20.14	21.70	

LTE B41-Full Power -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.43	23.22	23.39	23.22	23.53	24.70	
		MID	QPSK	23.31	23.18	23.38	23.40	23.26	24.70	
		HIGH	QPSK	23.30	23.26	23.49	23.25	23.34	24.70	
	36	LOW	QPSK	22.26	22.08	22.24	22.41	22.55	23.70	
		MID	QPSK	22.27	22.01	22.32	22.21	22.57	23.70	
		HIGH	QPSK	22.48	22.50	22.31	22.23	22.05	23.70	
	75	LOW	QPSK	22.34	22.61	22.55	22.44	22.14	23.70	
	15	1	LOW	Q16	22.45	22.52	22.65	22.28	22.65	23.70
			MID	Q16	22.75	22.42	22.54	22.55	22.61	23.70
HIGH			Q16	22.20	22.42	22.33	22.51	22.48	23.70	
36		LOW	Q16	21.18	21.08	21.22	21.20	21.22	22.70	
		MID	Q16	21.39	21.60	21.32	21.49	21.04	22.70	
		HIGH	Q16	21.35	21.43	21.56	21.15	21.28	22.70	
75		LOW	Q16	21.23	21.52	21.18	21.37	21.32	22.70	
15		1	LOW	64QAM	21.32	21.14	21.29	20.92	21.39	22.70
			MID	64QAM	21.46	21.22	21.42	21.22	21.29	22.70
	HIGH		64QAM	21.13	21.15	21.48	21.34	21.43	22.70	
	36	LOW	64QAM	20.55	20.40	20.34	20.35	20.45	21.70	
		MID	64QAM	20.44	20.46	20.33	20.33	20.11	21.70	
		HIGH	64QAM	20.25	20.06	20.17	20.31	20.13	21.70	
	75	LOW	64QAM	20.11	20.12	20.25	20.25	20.07	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.36	23.21	23.42	23.32	23.40	24.70
MID			QPSK	23.39	23.30	23.47	23.28	23.30	24.70	
HIGH			QPSK	23.28	23.24	23.36	23.18	23.25	24.70	
50		LOW	QPSK	22.16	22.20	22.32	22.36	22.51	23.70	
		MID	QPSK	22.42	22.15	22.46	22.13	22.43	23.70	
		HIGH	QPSK	22.42	22.46	22.32	22.22	22.13	23.70	
100		LOW	QPSK	22.40	22.52	22.42	22.34	22.28	23.70	
20		1	LOW	Q16	22.31	22.54	22.51	22.33	22.68	23.70
			MID	Q16	22.68	22.33	22.59	22.63	22.55	23.70
	HIGH		Q16	22.32	22.36	22.44	22.66	22.57	23.70	
	50	LOW	Q16	21.28	21.21	21.32	21.30	21.20	22.70	
		MID	Q16	21.44	21.52	21.33	21.39	21.17	22.70	
		HIGH	Q16	21.46	21.42	21.50	21.12	21.16	22.70	
	100	LOW	Q16	21.25	21.46	21.23	21.27	21.22	22.70	
	20	1	LOW	64QAM	21.17	21.12	21.23	21.06	21.37	22.70
			MID	64QAM	21.31	21.35	21.40	21.08	21.29	22.70
HIGH			64QAM	21.13	21.09	21.41	21.42	21.33	22.70	
50		LOW	64QAM	20.42	20.34	20.30	20.23	20.36	21.70	
		MID	64QAM	20.31	20.42	20.26	20.20	20.15	21.70	
		HIGH	64QAM	20.16	20.17	20.25	20.28	20.18	21.70	
100		LOW	64QAM	20.18	20.17	20.14	20.13	20.11	21.70	

LTE B41-DSI2&3 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	14.05	14.13	14.27	14.10	14.36	14.70	
		MID	QPSK	14.20	13.99	14.43	14.37	13.98	14.70	
		HIGH	QPSK	14.24	14.13	14.14	14.15	14.27	14.70	
	12	LOW	QPSK	13.96	14.28	14.05	14.35	14.50	14.70	
		MID	QPSK	14.32	13.98	14.06	14.21	14.37	14.70	
		HIGH	QPSK	13.95	14.20	14.20	14.09	14.04	14.70	
	25	LOW	QPSK	14.10	14.28	14.36	14.41	14.14	14.70	
	5	1	LOW	Q16	14.13	14.57	14.34	14.34	14.38	14.70
			MID	Q16	14.52	14.29	14.51	14.35	14.37	14.70
HIGH			Q16	14.20	14.25	14.11	14.11	14.03	14.70	
12		LOW	Q16	13.84	13.99	14.01	14.28	14.36	14.70	
		MID	Q16	14.17	14.23	14.03	14.12	14.11	14.70	
		HIGH	Q16	14.31	14.07	14.30	14.22	14.05	14.70	
25		LOW	Q16	13.99	13.98	14.09	13.91	14.03	14.70	
5		1	LOW	64QAM	14.02	14.06	13.99	13.86	13.97	14.70
			MID	64QAM	14.20	14.17	14.08	13.94	14.11	14.70
	HIGH		64QAM	14.01	13.83	14.08	14.11	13.91	14.70	
	12	LOW	64QAM	14.24	13.89	14.16	14.18	13.87	14.70	
		MID	64QAM	14.35	14.33	13.97	14.13	14.14	14.70	
		HIGH	64QAM	14.21	14.16	13.91	14.26	14.35	14.70	
	25	LOW	64QAM	14.10	14.14	14.38	14.42	14.06	14.70	
	10	1	LOW	QPSK	14.07	14.14	14.04	14.04	14.34	14.70
			MID	QPSK	14.28	14.08	14.42	14.27	14.28	14.70
HIGH			QPSK	14.02	14.31	14.10	14.23	14.09	14.70	
25			LOW	QPSK	13.88	14.34	14.04	14.11	14.21	14.70
MID			QPSK	14.33	14.08	14.11	14.26	14.31	14.70	
HIGH			QPSK	14.01	14.28	14.11	13.95	14.18	14.70	
50			LOW	QPSK	14.05	14.37	14.12	14.30	14.14	14.70
1			LOW	Q16	14.21	14.43	14.21	14.12	14.45	14.70
			MID	Q16	14.31	14.38	14.39	14.08	14.15	14.70
		HIGH	Q16	14.05	14.19	14.29	14.24	14.16	14.70	
		25	LOW	Q16	13.88	14.21	14.26	14.05	14.14	14.70
		MID	Q16	14.32	14.12	14.13	14.30	14.14	14.70	
		HIGH	Q16	14.38	13.97	14.16	14.38	13.85	14.70	
		50	LOW	Q16	14.01	13.83	13.94	13.86	14.09	14.70
		1	LOW	64QAM	14.00	14.28	14.01	14.06	14.10	14.70
			MID	64QAM	14.09	14.23	13.87	13.86	14.24	14.70
HIGH			64QAM	13.77	13.80	14.03	14.14	13.97	14.70	
25			LOW	64QAM	14.28	14.12	14.04	13.99	14.00	14.70
MID			64QAM	14.41	14.45	13.98	14.02	14.42	14.70	
HIGH			64QAM	14.36	13.93	14.04	14.20	14.17	14.70	
50			LOW	64QAM	14.15	14.01	14.31	14.34	14.09	14.70



LTE B41-DSI2&3 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	14.22	14.13	14.23	13.98	14.23	14.70	
		MID	QPSK	14.30	14.19	14.22	14.32	14.11	14.70	
		HIGH	QPSK	14.02	14.24	14.06	14.20	14.23	14.70	
	36	LOW	QPSK	14.02	14.27	14.27	14.35	14.48	14.70	
		MID	QPSK	14.30	14.17	13.97	14.15	14.22	14.70	
		HIGH	QPSK	13.89	14.42	14.21	14.02	14.26	14.70	
	75	LOW	QPSK	14.06	14.11	14.13	14.21	14.10	14.70	
	15	1	LOW	Q16	14.23	14.30	14.34	14.33	14.41	14.70
			MID	Q16	14.46	14.27	14.32	14.32	14.36	14.70
HIGH			Q16	14.08	14.31	14.16	14.28	14.02	14.70	
36		LOW	Q16	14.01	14.16	14.05	14.08	14.10	14.70	
		MID	Q16	14.23	14.07	14.16	14.23	14.33	14.70	
		HIGH	Q16	14.36	13.99	14.28	14.38	13.89	14.70	
75		LOW	Q16	13.91	14.00	14.04	13.78	14.01	14.70	
15		1	LOW	64QAM	13.92	14.27	14.03	14.00	14.05	14.70
			MID	64QAM	14.13	14.13	14.11	13.88	13.97	14.70
	HIGH		64QAM	13.88	13.96	14.17	14.23	13.84	14.70	
	36	LOW	64QAM	14.22	14.04	14.24	14.18	14.12	14.70	
		MID	64QAM	14.22	14.35	14.11	14.05	14.37	14.70	
		HIGH	64QAM	14.21	14.01	13.83	14.14	14.18	14.70	
	75	LOW	64QAM	14.12	14.21	14.19	14.23	14.14	14.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	14.10	14.08	14.18	14.12	14.21	14.70
MID			QPSK	14.20	14.11	14.30	14.23	14.13	14.70	
HIGH			QPSK	14.13	14.20	14.15	14.28	14.16	14.70	
50		LOW	QPSK	13.99	14.35	14.15	14.24	14.35	14.70	
		MID	QPSK	14.18	14.07	14.09	14.18	14.28	14.70	
		HIGH	QPSK	13.96	14.35	14.12	13.99	14.14	14.70	
100	LOW	QPSK	14.08	14.22	14.26	14.36	14.14	14.70		
20	1	LOW	Q16	14.21	14.42	14.25	14.27	14.42	14.70	
		MID	Q16	14.41	14.31	14.41	14.20	14.23	14.70	
		HIGH	Q16	14.11	14.22	14.17	14.25	14.17	14.70	
	50	LOW	Q16	13.94	14.10	14.12	14.17	14.25	14.70	
		MID	Q16	14.20	14.22	14.04	14.19	14.24	14.70	
		HIGH	Q16	14.32	14.00	14.24	14.26	13.99	14.70	
100	LOW	Q16	14.00	13.92	14.00	13.93	14.10	14.70		
20	1	LOW	64QAM	13.88	14.16	14.00	14.00	14.05	14.70	
		MID	64QAM	14.07	14.09	13.97	14.00	14.10	14.70	
		HIGH	64QAM	13.89	13.91	14.11	14.16	13.84	14.70	
	50	LOW	64QAM	14.20	14.04	14.16	14.11	13.98	14.70	
		MID	64QAM	14.30	14.31	14.12	14.06	14.27	14.70	
		HIGH	64QAM	14.34	14.04	13.96	14.26	14.27	14.70	
100	LOW	64QAM	14.06	14.06	14.28	14.35	14.16	14.70		

LTE B41-DSI4 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.17	23.07	23.17	22.98	22.75	23.70	
		MID	QPSK	22.95	22.99	23.18	23.09	23.03	23.70	
		HIGH	QPSK	22.84	22.70	23.19	23.03	22.99	23.70	
	12	LOW	QPSK	22.26	22.40	22.49	22.24	22.25	23.70	
		MID	QPSK	22.36	22.27	22.23	22.41	22.45	23.70	
		HIGH	QPSK	22.50	22.55	22.22	22.36	22.30	23.70	
	25	LOW	QPSK	22.37	22.36	22.35	22.29	22.34	23.70	
	5	1	LOW	Q16	22.35	22.52	22.69	22.45	22.50	23.70
			MID	Q16	22.63	22.50	22.64	22.28	22.44	23.70
HIGH			Q16	22.70	22.64	22.25	22.67	22.46	23.70	
12		LOW	Q16	21.46	21.32	21.30	21.38	21.36	22.70	
		MID	Q16	21.30	21.32	21.19	21.46	21.43	22.70	
		HIGH	Q16	21.52	21.06	21.43	21.40	21.41	22.70	
25		LOW	Q16	21.38	21.13	21.08	21.38	21.36	22.70	
5		1	LOW	64QAM	21.20	21.29	21.18	21.19	21.38	22.70
			MID	64QAM	21.19	21.46	21.13	21.31	21.14	22.70
	HIGH		64QAM	21.21	21.07	20.95	21.27	21.31	22.70	
	12	LOW	64QAM	20.50	20.34	20.18	20.39	20.67	21.70	
		MID	64QAM	20.36	20.36	20.29	20.33	20.13	21.70	
		HIGH	64QAM	20.27	20.14	20.46	20.02	20.22	21.70	
	25	LOW	64QAM	20.38	20.27	20.38	20.27	20.49	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.13	23.25	23.23	23.09	22.97	23.70
MID			QPSK	23.11	23.23	23.21	23.11	23.18	23.70	
HIGH			QPSK	23.03	22.83	23.12	23.03	22.91	23.70	
25		LOW	QPSK	22.20	22.36	22.41	22.38	22.36	23.70	
		MID	QPSK	22.41	22.23	22.13	22.17	22.62	23.70	
		HIGH	QPSK	22.37	22.47	22.37	22.37	22.19	23.70	
50	LOW	QPSK	22.47	22.50	22.28	22.30	22.22	23.70		
10	1	LOW	Q16	22.33	22.49	22.65	22.45	22.50	23.70	
		MID	Q16	22.48	22.67	22.69	22.57	22.71	23.70	
		HIGH	Q16	22.64	22.55	22.37	22.92	22.58	23.70	
	25	LOW	Q16	21.25	21.39	21.32	21.29	21.19	22.70	
		MID	Q16	21.46	21.19	21.16	21.31	21.51	22.70	
		HIGH	Q16	21.39	21.19	21.38	21.30	21.23	22.70	
50	LOW	Q16	21.46	21.32	21.22	21.32	21.31	22.70		
10	1	LOW	64QAM	21.31	21.32	21.28	21.35	21.37	22.70	
		MID	64QAM	21.23	21.34	20.99	21.21	21.20	22.70	
		HIGH	64QAM	21.01	21.30	20.96	21.40	21.34	22.70	
	25	LOW	64QAM	20.37	20.16	20.41	20.34	20.37	21.70	
		MID	64QAM	20.35	20.46	20.18	20.22	20.22	21.70	
		HIGH	64QAM	20.37	20.25	20.45	20.23	20.35	21.70	
	50	LOW	64QAM	20.27	20.37	20.20	20.12	20.26	21.70	

LTE B41-DSI4 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.04	23.14	23.20	22.94	22.94	23.70	
		MID	QPSK	23.13	23.05	23.25	23.15	23.09	23.70	
		HIGH	QPSK	23.00	22.91	23.05	23.12	22.97	23.70	
	36	LOW	QPSK	22.33	22.39	22.41	22.30	22.25	23.70	
		MID	QPSK	22.57	22.35	22.28	22.19	22.67	23.70	
		HIGH	QPSK	22.43	22.68	22.24	22.34	22.07	23.70	
	75	LOW	QPSK	22.25	22.29	22.33	22.50	22.36	23.70	
	15	1	LOW	Q16	22.55	22.36	22.43	22.50	22.58	23.70
			MID	Q16	22.45	22.68	22.91	22.55	22.58	23.70
HIGH			Q16	22.80	22.72	22.29	22.75	22.31	23.70	
36		LOW	Q16	21.40	21.48	21.34	21.42	21.39	22.70	
		MID	Q16	21.37	21.38	21.26	21.26	21.45	22.70	
		HIGH	Q16	21.47	21.24	21.31	21.20	21.22	22.70	
75		LOW	Q16	21.35	21.33	21.08	21.35	21.33	22.70	
15		1	LOW	64QAM	21.32	21.37	21.29	21.21	21.55	22.70
			MID	64QAM	21.39	21.50	20.95	21.42	21.14	22.70
	HIGH		64QAM	21.11	21.21	20.99	21.40	21.44	22.70	
	36	LOW	64QAM	20.52	20.35	20.48	20.33	20.43	21.70	
		MID	64QAM	20.30	20.37	20.16	20.34	20.11	21.70	
		HIGH	64QAM	20.49	20.16	20.59	20.15	20.23	21.70	
	75	LOW	64QAM	20.23	20.42	20.27	20.11	20.42	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.02	23.12	23.08	23.05	22.90	23.70
MID			QPSK	22.98	23.08	23.13	23.10	23.11	23.70	
HIGH			QPSK	22.89	22.78	23.04	23.02	22.98	23.70	
50		LOW	QPSK	22.22	22.33	22.38	22.24	22.26	23.70	
		MID	QPSK	22.42	22.34	22.25	22.32	22.58	23.70	
		HIGH	QPSK	22.50	22.57	22.33	22.42	22.19	23.70	
100	LOW	QPSK	22.36	22.41	22.41	22.42	22.36	23.70		
20	1	LOW	Q16	22.41	22.43	22.58	22.53	22.49	23.70	
		MID	Q16	22.51	22.59	22.78	22.43	22.58	23.70	
		HIGH	Q16	22.68	22.66	22.39	22.77	22.43	23.70	
	50	LOW	Q16	21.40	21.40	21.32	21.36	21.27	22.70	
		MID	Q16	21.31	21.26	21.13	21.31	21.36	22.70	
		HIGH	Q16	21.47	21.18	21.37	21.29	21.35	22.70	
100	LOW	Q16	21.36	21.23	21.22	21.27	21.40	22.70		
20	1	LOW	64QAM	21.28	21.22	21.28	21.30	21.42	22.70	
		MID	64QAM	21.24	21.47	21.10	21.29	21.09	22.70	
		HIGH	64QAM	21.11	21.20	21.10	21.32	21.34	22.70	
	50	LOW	64QAM	20.42	20.26	20.33	20.47	20.52	21.70	
		MID	64QAM	20.27	20.51	20.21	20.31	20.21	21.70	
		HIGH	64QAM	20.42	20.29	20.51	20.16	20.21	21.70	
100	LOW	64QAM	20.23	20.31	20.24	20.22	20.35	21.70		

LTE B41-DSi5 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	16.97	17.17	17.12	17.09	17.14	17.70	
		MID	QPSK	17.18	17.24	17.03	17.30	17.28	17.70	
		HIGH	QPSK	17.04	17.21	17.09	17.23	17.07	17.70	
	12	LOW	QPSK	16.86	17.10	17.04	16.96	17.14	17.70	
		MID	QPSK	17.37	16.95	17.21	17.23	17.22	17.70	
		HIGH	QPSK	16.97	17.02	17.31	17.06	17.11	17.70	
	25	LOW	QPSK	16.91	17.01	17.24	16.90	17.09	17.70	
	5	1	LOW	Q16	17.36	17.49	17.49	17.45	17.46	17.70
			MID	Q16	17.21	17.58	17.40	17.54	17.27	17.70
HIGH			Q16	17.58	17.26	17.34	17.46	17.32	17.70	
12		LOW	Q16	16.94	16.89	16.87	16.96	17.10	17.70	
		MID	Q16	16.70	16.87	16.91	17.02	16.78	17.70	
		HIGH	Q16	17.14	16.74	17.10	17.23	17.18	17.70	
25		LOW	Q16	16.99	17.00	16.90	16.93	16.77	17.70	
5		1	LOW	64QAM	17.22	17.15	16.91	16.98	17.23	17.70
			MID	64QAM	16.81	16.98	16.90	17.16	17.07	17.70
	HIGH		64QAM	17.04	17.14	17.06	17.02	16.98	17.70	
	12	LOW	64QAM	17.06	17.13	16.81	16.95	16.82	17.70	
		MID	64QAM	16.86	16.86	16.94	16.81	16.73	17.70	
		HIGH	64QAM	17.07	16.81	16.87	16.92	16.89	17.70	
	25	LOW	64QAM	16.80	16.90	16.80	16.98	16.86	17.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	16.93	17.31	17.29	17.18	17.20	17.70
MID			QPSK	17.14	17.20	17.04	17.23	17.25	17.70	
HIGH			QPSK	17.00	17.02	17.16	17.12	17.24	17.70	
25		LOW	QPSK	17.05	17.04	17.07	16.98	17.30	17.70	
		MID	QPSK	17.42	17.08	17.04	17.32	17.11	17.70	
		HIGH	QPSK	16.85	17.16	17.33	17.31	17.00	17.70	
10	1	LOW	QPSK	17.11	17.24	17.26	17.15	17.03	17.70	
		MID	Q16	17.37	17.59	17.54	17.34	17.24	17.70	
		HIGH	Q16	17.41	17.58	17.42	17.52	17.29	17.70	
	25	LOW	Q16	17.45	17.52	17.10	17.38	17.41	17.70	
		MID	Q16	17.03	17.01	17.14	17.14	17.06	17.70	
		HIGH	Q16	16.86	17.12	17.05	17.18	16.96	17.70	
50	LOW	Q16	17.13	16.83	17.29	17.10	17.27	17.70		
10	1	LOW	Q16	16.83	17.05	16.83	17.16	16.87	17.70	
		MID	64QAM	17.10	17.26	17.00	16.91	17.20	17.70	
		HIGH	64QAM	17.01	16.89	17.09	17.21	17.12	17.70	
	25	LOW	64QAM	17.01	17.33	17.22	16.96	17.14	17.70	
		MID	64QAM	16.92	17.09	16.86	16.99	16.90	17.70	
		HIGH	64QAM	16.75	16.77	16.79	16.89	16.93	17.70	
	50	LOW	64QAM	16.82	16.98	16.92	16.87	16.92	17.70	
	50	LOW	64QAM	16.65	16.97	17.00	16.96	16.75	17.70	

LTE B41-DSI5 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	16.91	17.11	17.26	17.29	17.24	17.70	
		MID	QPSK	17.17	17.16	17.23	17.21	17.39	17.70	
		HIGH	QPSK	17.02	17.12	17.00	17.29	17.21	17.70	
	36	LOW	QPSK	16.96	16.96	17.02	16.99	17.09	17.70	
		MID	QPSK	17.24	16.79	17.20	17.42	17.27	17.70	
		HIGH	QPSK	17.00	17.10	17.14	17.18	17.14	17.70	
	75	LOW	QPSK	16.85	17.24	17.05	16.94	17.00	17.70	
	15	1	LOW	Q16	17.40	17.62	17.41	17.47	17.34	17.70
			MID	Q16	17.42	17.48	17.55	17.45	17.45	17.70
HIGH			Q16	17.59	17.44	17.08	17.36	17.34	17.70	
36		LOW	Q16	16.84	16.88	17.12	17.06	17.01	17.70	
		MID	Q16	16.75	16.92	16.90	17.26	16.90	17.70	
		HIGH	Q16	16.98	16.70	17.08	17.23	17.16	17.70	
75		LOW	Q16	17.08	16.84	16.88	17.07	16.87	17.70	
15		1	LOW	64QAM	16.97	17.12	17.02	16.80	17.23	17.70
			MID	64QAM	16.73	17.01	17.13	17.28	16.85	17.70
	HIGH		64QAM	17.04	17.38	17.05	17.06	17.03	17.70	
	36	LOW	64QAM	16.95	17.26	17.08	17.01	16.96	17.70	
		MID	64QAM	16.82	16.79	16.96	16.79	17.01	17.70	
		HIGH	64QAM	16.98	16.91	16.94	16.88	17.12	17.70	
	75	LOW	64QAM	16.79	16.82	16.88	17.24	16.75	17.70	
	20	1	LOW	QPSK	17.02	17.21	17.14	17.18	17.20	17.70
			MID	QPSK	17.07	17.25	17.13	17.26	17.26	17.70
HIGH			QPSK	17.00	17.15	17.14	17.19	17.22	17.70	
LOW			QPSK	16.95	17.10	17.11	17.03	17.23	17.70	
MID			QPSK	17.31	16.94	17.18	17.28	17.25	17.70	
HIGH			QPSK	16.92	17.07	17.27	17.20	17.05	17.70	
50		LOW	QPSK	17.00	17.11	17.20	17.02	17.03	17.70	
		LOW	Q16	17.41	17.47	17.39	17.47	17.39	17.70	
		MID	Q16	17.30	17.48	17.53	17.58	17.33	17.70	
		HIGH	Q16	17.56	17.41	17.19	17.35	17.26	17.70	
		LOW	Q16	16.98	16.89	17.01	16.99	17.01	17.70	
		MID	Q16	16.81	17.00	17.02	17.11	16.85	17.70	
100		HIGH	Q16	17.12	16.85	17.15	17.10	17.17	17.70	
		LOW	Q16	16.97	16.95	16.86	17.06	16.88	17.70	
		LOW	64QAM	17.12	17.18	17.06	16.94	17.13	17.70	
		MID	64QAM	16.86	16.97	17.02	17.21	16.98	17.70	
		HIGH	64QAM	16.97	17.23	17.17	17.09	17.11	17.70	
		LOW	64QAM	17.05	17.16	16.96	17.01	16.87	17.70	
50	MID	64QAM	16.77	16.82	16.93	16.87	16.86	17.70		
	HIGH	64QAM	16.94	16.94	16.91	16.87	16.99	17.70		
	LOW	64QAM	16.76	16.87	16.85	17.09	16.86	17.70		

LTE B41-DS18&9&10 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	15.80	15.39	15.56	15.48	15.46	16.20	
		MID	QPSK	15.76	15.53	15.80	15.54	15.77	16.20	
		HIGH	QPSK	15.39	15.51	15.67	15.73	15.57	16.20	
	12	LOW	QPSK	15.69	15.68	15.55	15.24	15.28	16.20	
		MID	QPSK	15.23	15.73	15.50	15.38	15.68	16.20	
		HIGH	QPSK	15.52	15.53	15.64	15.29	15.55	16.20	
	25	LOW	QPSK	15.49	15.58	15.81	15.68	15.58	16.20	
	5	1	LOW	Q16	15.48	15.41	15.73	15.53	15.92	16.20
			MID	Q16	15.56	15.56	15.94	15.43	15.91	16.20
HIGH			Q16	15.61	15.64	15.77	15.52	15.66	16.20	
12		LOW	Q16	15.69	15.59	15.83	15.49	15.74	16.20	
		MID	Q16	15.55	15.68	15.55	15.86	15.35	16.20	
		HIGH	Q16	15.83	15.62	15.73	15.70	15.44	16.20	
25		LOW	Q16	15.57	15.80	15.48	15.43	15.92	16.20	
5		1	LOW	64QAM	15.73	15.83	15.70	15.84	15.64	16.20
			MID	64QAM	15.84	16.08	15.51	15.85	15.90	16.20
	HIGH		64QAM	15.68	15.97	15.69	16.01	15.92	16.20	
	12	LOW	64QAM	15.88	15.61	15.74	15.54	15.58	16.20	
		MID	64QAM	15.60	15.76	15.47	15.82	15.52	16.20	
		HIGH	64QAM	15.42	15.68	15.75	15.47	15.66	16.20	
	25	LOW	64QAM	15.59	15.67	15.74	15.48	15.63	16.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	15.55	15.47	15.53	15.50	15.64	16.20
MID			QPSK	15.72	15.62	15.56	15.46	15.76	16.20	
HIGH			QPSK	15.53	15.56	15.49	15.46	15.42	16.20	
25		LOW	QPSK	15.73	15.54	15.46	15.19	15.41	16.20	
		MID	QPSK	15.42	15.66	15.52	15.56	15.63	16.20	
		HIGH	QPSK	15.56	15.58	15.49	15.32	15.43	16.20	
10	1	LOW	Q16	15.69	15.44	15.57	15.73	15.63	16.20	
		MID	Q16	15.46	15.59	15.84	15.42	15.94	16.20	
		HIGH	Q16	15.42	15.60	15.69	15.42	15.97	16.20	
	25	LOW	Q16	15.73	15.85	15.79	15.56	15.54	16.20	
		MID	Q16	15.71	15.59	15.59	15.46	15.72	16.20	
		HIGH	Q16	15.46	15.91	15.72	15.66	15.58	16.20	
	50	LOW	Q16	15.87	15.54	15.79	15.52	15.44	16.20	
	10	1	LOW	64QAM	15.79	15.65	15.45	15.41	15.87	16.20
			MID	64QAM	15.72	16.08	15.65	15.81	15.66	16.20
HIGH			64QAM	15.87	15.93	15.49	15.88	15.77	16.20	
25		LOW	64QAM	15.72	15.80	15.83	15.85	15.80	16.20	
		MID	64QAM	15.94	15.66	15.80	15.68	15.70	16.20	
		HIGH	64QAM	15.39	15.85	15.54	15.56	15.52	16.20	
50		LOW	64QAM	15.45	15.54	15.87	15.53	15.77	16.20	
50		LOW	64QAM	15.59	15.67	15.80	15.43	15.61	16.20	

LTE B41-DS18&9&10 -Ant.13 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	15.78	15.58	15.57	15.44	15.66	16.20	
		MID	QPSK	15.49	15.78	15.58	15.64	15.68	16.20	
		HIGH	QPSK	15.56	15.54	15.68	15.64	15.39	16.20	
	36	LOW	QPSK	15.47	15.62	15.55	15.42	15.39	16.20	
		MID	QPSK	15.39	15.65	15.48	15.37	15.53	16.20	
		HIGH	QPSK	15.54	15.61	15.49	15.52	15.64	16.20	
	75	LOW	QPSK	15.67	15.53	15.82	15.81	15.38	16.20	
	15	1	LOW	Q16	15.74	15.59	15.76	15.61	15.87	16.20
			MID	Q16	15.66	15.55	15.77	15.58	15.88	16.20
HIGH			Q16	15.56	15.83	15.93	15.63	15.58	16.20	
36		LOW	Q16	15.90	15.54	15.74	15.62	15.74	16.20	
		MID	Q16	15.39	15.85	15.65	15.72	15.51	16.20	
		HIGH	Q16	15.75	15.44	15.81	15.46	15.58	16.20	
75		LOW	Q16	15.69	15.78	15.57	15.33	15.96	16.20	
15		1	LOW	64QAM	15.77	15.94	15.67	15.91	15.75	16.20
			MID	64QAM	16.01	15.96	15.59	16.06	15.69	16.20
	HIGH		64QAM	15.74	15.94	15.89	16.04	15.86	16.20	
	36	LOW	64QAM	15.70	15.70	15.66	15.65	15.65	16.20	
		MID	64QAM	15.37	15.92	15.62	15.58	15.75	16.20	
		HIGH	64QAM	15.40	15.82	15.75	15.69	15.77	16.20	
	75	LOW	64QAM	15.66	15.41	15.86	15.41	15.77	16.20	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	15.68	15.52	15.62	15.42	15.60	16.20
MID			QPSK	15.64	15.67	15.70	15.58	15.63	16.20	
HIGH			QPSK	15.45	15.57	15.62	15.60	15.42	16.20	
50		LOW	QPSK	15.61	15.55	15.50	15.31	15.39	16.20	
		MID	QPSK	15.30	15.69	15.61	15.42	15.53	16.20	
		HIGH	QPSK	15.49	15.58	15.50	15.37	15.57	16.20	
100	LOW	QPSK	15.62	15.53	15.71	15.70	15.51	16.20		
20	1	LOW	Q16	15.61	15.50	15.70	15.50	15.79	16.20	
		MID	Q16	15.55	15.60	15.84	15.57	15.89	16.20	
		HIGH	Q16	15.61	15.74	15.80	15.50	15.69	16.20	
	50	LOW	Q16	15.76	15.53	15.68	15.52	15.73	16.20	
		MID	Q16	15.54	15.80	15.69	15.74	15.50	16.20	
		HIGH	Q16	15.72	15.53	15.66	15.56	15.56	16.20	
100	LOW	Q16	15.64	15.76	15.58	15.48	15.83	16.20		
20	1	LOW	64QAM	15.75	15.98	15.78	15.86	15.60	16.20	
		MID	64QAM	15.87	15.94	15.62	15.95	15.83	16.20	
		HIGH	64QAM	15.73	15.90	15.74	15.92	15.88	16.20	
	50	LOW	64QAM	15.83	15.62	15.67	15.64	15.55	16.20	
		MID	64QAM	15.50	15.84	15.57	15.68	15.61	16.20	
		HIGH	64QAM	15.50	15.68	15.84	15.61	15.80	16.20	
100	LOW	64QAM	15.70	15.56	15.82	15.54	15.71	16.20		

## 8.3.13LTE Band41 Output Power

LTE B41-Full Power -Ant.31										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.08	23.00	23.17	23.10	23.44	24.70	
		MID	QPSK	23.00	22.90	22.95	23.20	23.52	24.70	
		HIGH	QPSK	22.89	22.86	23.05	23.35	23.64	24.70	
	12	LOW	QPSK	22.08	22.13	22.11	22.20	22.30	23.70	
		MID	QPSK	21.98	21.98	22.20	22.44	22.32	23.70	
		HIGH	QPSK	22.03	21.92	22.13	22.39	22.48	23.70	
	25	LOW	QPSK	22.09	22.15	22.17	22.27	22.29	23.70	
	5	1	LOW	Q16	21.95	21.86	22.00	22.43	22.22	23.70
			MID	Q16	22.26	22.17	22.03	22.41	22.46	23.70
HIGH			Q16	22.20	21.94	22.18	22.44	22.49	23.70	
12		LOW	Q16	20.95	21.04	21.01	21.13	21.13	22.70	
		MID	Q16	21.14	21.16	21.02	21.24	21.30	22.70	
		HIGH	Q16	21.24	21.06	21.05	21.37	21.36	22.70	
25		LOW	Q16	21.14	21.04	21.20	21.23	21.27	22.70	
5		1	LOW	64QAM	21.04	20.97	20.91	21.30	21.12	22.70
			MID	64QAM	21.29	21.13	21.39	21.44	21.49	22.70
	HIGH		64QAM	21.28	21.16	21.09	21.33	21.65	22.70	
	12	LOW	64QAM	19.89	20.05	20.22	20.10	20.42	21.70	
		MID	64QAM	20.24	20.15	20.31	20.23	20.48	21.70	
		HIGH	64QAM	20.01	20.31	20.02	20.23	20.42	21.70	
	25	LOW	64QAM	20.16	20.23	20.28	20.39	20.32	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.91	22.96	23.00	23.20	23.27	24.70
MID			QPSK	23.16	22.90	22.94	23.13	23.54	24.70	
HIGH			QPSK	22.91	22.93	23.11	23.42	23.45	24.70	
25		LOW	QPSK	21.82	22.01	22.00	22.31	22.21	23.70	
		MID	QPSK	22.17	21.97	22.23	22.42	22.32	23.70	
		HIGH	QPSK	21.96	21.95	22.16	22.32	22.42	23.70	
50	LOW	QPSK	22.13	21.92	22.16	22.40	22.42	23.70		
10	1	LOW	Q16	21.93	21.83	22.15	22.41	22.42	23.70	
		MID	Q16	22.20	22.02	22.22	22.29	22.29	23.70	
		HIGH	Q16	22.03	22.02	22.17	22.29	22.62	23.70	
	25	LOW	Q16	21.08	21.05	21.25	21.18	21.20	22.70	
		MID	Q16	21.12	21.15	21.01	21.34	21.49	22.70	
		HIGH	Q16	21.00	20.92	21.17	21.25	21.43	22.70	
50	LOW	Q16	21.13	20.99	21.17	21.40	21.45	22.70		
10	1	LOW	64QAM	21.07	20.90	20.89	21.08	21.07	22.70	
		MID	64QAM	21.13	21.21	21.21	21.32	21.37	22.70	
		HIGH	64QAM	21.18	21.13	21.28	21.36	21.47	22.70	
	25	LOW	64QAM	19.93	20.21	20.47	20.32	20.31	21.70	
		MID	64QAM	20.24	20.15	20.29	20.13	20.29	21.70	
		HIGH	64QAM	20.04	20.31	19.99	20.30	20.44	21.70	
	50	LOW	64QAM	20.16	20.15	20.12	20.35	20.52	21.70	



LTE B41-Full Power -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.05	23.00	23.04	23.20	23.40	24.70	
		MID	QPSK	23.15	23.12	23.02	23.27	23.31	24.70	
		HIGH	QPSK	22.98	22.97	23.15	23.25	23.60	24.70	
	36	LOW	QPSK	22.05	21.87	22.09	22.38	22.31	23.70	
		MID	QPSK	22.18	22.17	22.11	22.26	22.48	23.70	
		HIGH	QPSK	21.99	22.10	22.17	22.41	22.42	23.70	
	75	LOW	QPSK	21.95	22.00	22.12	22.33	22.31	23.70	
	15	1	LOW	Q16	22.09	22.06	22.01	22.17	22.19	23.70
			MID	Q16	21.99	22.13	22.20	22.31	22.24	23.70
HIGH			Q16	22.04	22.11	22.34	22.26	22.59	23.70	
36		LOW	Q16	20.87	20.97	21.15	21.38	21.19	22.70	
		MID	Q16	21.12	20.93	21.09	21.25	21.37	22.70	
		HIGH	Q16	21.02	21.10	21.09	21.31	21.51	22.70	
75		LOW	Q16	20.96	21.10	21.29	21.47	21.51	22.70	
15		1	LOW	64QAM	21.00	20.86	21.10	21.25	21.31	22.70
			MID	64QAM	21.19	21.12	21.28	21.53	21.35	22.70
	HIGH		64QAM	21.00	21.17	21.06	21.35	21.45	22.70	
	36	LOW	64QAM	19.81	20.27	20.45	20.22	20.48	21.70	
		MID	64QAM	20.01	20.05	20.36	20.13	20.31	21.70	
		HIGH	64QAM	20.05	20.29	20.14	20.51	20.51	21.70	
	75	LOW	64QAM	20.12	20.36	20.21	20.50	20.37	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	22.96	22.92	23.04	23.16	23.31	24.70
MID			QPSK	23.02	22.98	23.06	23.20	23.39	24.70	
HIGH			QPSK	23.02	22.92	23.13	23.31	23.49	24.70	
50		LOW	QPSK	21.96	21.98	22.09	22.25	22.29	23.70	
		MID	QPSK	22.06	22.07	22.19	22.30	22.43	23.70	
		HIGH	QPSK	22.05	22.04	22.21	22.30	22.42	23.70	
100	LOW	QPSK	22.08	22.05	22.13	22.29	22.37	23.70		
20	1	LOW	Q16	22.05	21.94	22.13	22.30	22.29	23.70	
		MID	Q16	22.13	22.08	22.16	22.42	22.39	23.70	
		HIGH	Q16	22.12	22.01	22.24	22.39	22.49	23.70	
	50	LOW	Q16	20.96	20.96	21.10	21.23	21.28	22.70	
		MID	Q16	21.09	21.05	21.16	21.32	21.38	22.70	
		HIGH	Q16	21.09	21.01	21.17	21.29	21.40	22.70	
100	LOW	Q16	21.09	21.06	21.15	21.32	21.39	22.70		
20	1	LOW	64QAM	21.12	21.00	21.01	21.21	21.21	22.70	
		MID	64QAM	21.26	21.17	21.33	21.47	21.50	22.70	
		HIGH	64QAM	21.14	21.04	21.21	21.48	21.54	22.70	
	50	LOW	64QAM	19.92	20.18	20.32	20.24	20.36	21.70	
		MID	64QAM	20.10	20.03	20.26	20.22	20.39	21.70	
		HIGH	64QAM	19.94	20.19	20.13	20.36	20.49	21.70	
	100	LOW	64QAM	20.12	20.25	20.27	20.38	20.43	21.70	

LTE B41-DSI2&3&4&5&8&9&10 -Ant.31										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.08	23.00	23.17	23.10	23.44	24.70	
		MID	QPSK	23.00	22.90	22.95	23.20	23.52	24.70	
		HIGH	QPSK	22.89	22.86	23.05	23.35	23.64	24.70	
	12	LOW	QPSK	22.08	22.13	22.11	22.20	22.30	23.70	
		MID	QPSK	21.98	21.98	22.20	22.44	22.32	23.70	
		HIGH	QPSK	22.03	21.92	22.13	22.39	22.48	23.70	
	25	LOW	QPSK	22.09	22.15	22.17	22.27	22.29	23.70	
	5	1	LOW	Q16	21.95	21.86	22.00	22.43	22.22	23.70
			MID	Q16	22.26	22.17	22.03	22.41	22.46	23.70
HIGH			Q16	22.20	21.94	22.18	22.44	22.49	23.70	
12		LOW	Q16	20.95	21.04	21.01	21.13	21.13	22.70	
		MID	Q16	21.14	21.16	21.02	21.24	21.30	22.70	
		HIGH	Q16	21.24	21.06	21.05	21.37	21.36	22.70	
25		LOW	Q16	21.14	21.04	21.20	21.23	21.27	22.70	
5		1	LOW	64QAM	21.04	20.97	20.91	21.30	21.12	22.70
			MID	64QAM	21.29	21.13	21.39	21.44	21.49	22.70
	HIGH		64QAM	21.28	21.16	21.09	21.33	21.65	22.70	
	12	LOW	64QAM	19.89	20.05	20.22	20.10	20.42	21.70	
		MID	64QAM	20.24	20.15	20.31	20.23	20.48	21.70	
		HIGH	64QAM	20.01	20.31	20.02	20.23	20.42	21.70	
	25	LOW	64QAM	20.16	20.23	20.28	20.39	20.32	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	22.91	22.96	23.00	23.20	23.27	24.70
MID			QPSK	23.16	22.90	22.94	23.13	23.54	24.70	
HIGH			QPSK	22.91	22.93	23.11	23.42	23.45	24.70	
25		LOW	QPSK	21.82	22.01	22.00	22.31	22.21	23.70	
		MID	QPSK	22.17	21.97	22.23	22.42	22.32	23.70	
		HIGH	QPSK	21.96	21.95	22.16	22.32	22.42	23.70	
50	LOW	QPSK	22.13	21.92	22.16	22.40	22.42	23.70		
10	1	LOW	Q16	21.93	21.83	22.15	22.41	22.42	23.70	
		MID	Q16	22.20	22.02	22.22	22.29	22.29	23.70	
		HIGH	Q16	22.03	22.02	22.17	22.29	22.62	23.70	
	25	LOW	Q16	21.08	21.05	21.25	21.18	21.20	22.70	
		MID	Q16	21.12	21.15	21.01	21.34	21.49	22.70	
		HIGH	Q16	21.00	20.92	21.17	21.25	21.43	22.70	
50	LOW	Q16	21.13	20.99	21.17	21.40	21.45	22.70		
10	1	LOW	64QAM	21.07	20.90	20.89	21.08	21.07	22.70	
		MID	64QAM	21.13	21.21	21.21	21.32	21.37	22.70	
		HIGH	64QAM	21.18	21.13	21.28	21.36	21.47	22.70	
	25	LOW	64QAM	19.93	20.21	20.47	20.32	20.31	21.70	
		MID	64QAM	20.24	20.15	20.29	20.13	20.29	21.70	
		HIGH	64QAM	20.04	20.31	19.99	20.30	20.44	21.70	
	50	LOW	64QAM	20.16	20.15	20.12	20.35	20.52	21.70	

LTE B41-DSI2&3&4&5&8&9&10 -Ant.31										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.05	23.00	23.04	23.20	23.40	24.70	
		MID	QPSK	23.15	23.12	23.02	23.27	23.31	24.70	
		HIGH	QPSK	22.98	22.97	23.15	23.25	23.60	24.70	
	36	LOW	QPSK	22.05	21.87	22.09	22.38	22.31	23.70	
		MID	QPSK	22.18	22.17	22.11	22.26	22.48	23.70	
		HIGH	QPSK	21.99	22.10	22.17	22.41	22.42	23.70	
	75	LOW	QPSK	21.95	22.00	22.12	22.33	22.31	23.70	
	15	1	LOW	Q16	22.09	22.06	22.01	22.17	22.19	23.70
			MID	Q16	21.99	22.13	22.20	22.31	22.24	23.70
HIGH			Q16	22.04	22.11	22.34	22.26	22.59	23.70	
36		LOW	Q16	20.87	20.97	21.15	21.38	21.19	22.70	
		MID	Q16	21.12	20.93	21.09	21.25	21.37	22.70	
		HIGH	Q16	21.02	21.10	21.09	21.31	21.51	22.70	
75		LOW	Q16	20.96	21.10	21.29	21.47	21.51	22.70	
15		1	LOW	64QAM	21.00	20.86	21.10	21.25	21.31	22.70
			MID	64QAM	21.19	21.12	21.28	21.53	21.35	22.70
	HIGH		64QAM	21.00	21.17	21.06	21.35	21.45	22.70	
	36	LOW	64QAM	19.81	20.27	20.45	20.22	20.48	21.70	
		MID	64QAM	20.01	20.05	20.36	20.13	20.31	21.70	
		HIGH	64QAM	20.05	20.29	20.14	20.51	20.51	21.70	
	75	LOW	64QAM	20.12	20.36	20.21	20.50	20.37	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	22.96	22.92	23.04	23.16	23.31	24.70
MID			QPSK	23.02	22.98	23.06	23.20	23.39	24.70	
HIGH			QPSK	23.02	22.92	23.13	23.31	23.49	24.70	
50		LOW	QPSK	21.96	21.98	22.09	22.25	22.29	23.70	
		MID	QPSK	22.06	22.07	22.19	22.30	22.43	23.70	
		HIGH	QPSK	22.05	22.04	22.21	22.30	22.42	23.70	
100	LOW	QPSK	22.08	22.05	22.13	22.29	22.37	23.70		
20	1	LOW	Q16	22.05	21.94	22.13	22.30	22.29	23.70	
		MID	Q16	22.13	22.08	22.16	22.42	22.39	23.70	
		HIGH	Q16	22.12	22.01	22.24	22.39	22.49	23.70	
	50	LOW	Q16	20.96	20.96	21.10	21.23	21.28	22.70	
		MID	Q16	21.09	21.05	21.16	21.32	21.38	22.70	
		HIGH	Q16	21.09	21.01	21.17	21.29	21.40	22.70	
100	LOW	Q16	21.09	21.06	21.15	21.32	21.39	22.70		
20	1	LOW	64QAM	21.12	21.00	21.01	21.21	21.21	22.70	
		MID	64QAM	21.26	21.17	21.33	21.47	21.50	22.70	
		HIGH	64QAM	21.14	21.04	21.21	21.48	21.54	22.70	
	50	LOW	64QAM	19.92	20.18	20.32	20.24	20.36	21.70	
		MID	64QAM	20.10	20.03	20.26	20.22	20.39	21.70	
		HIGH	64QAM	19.94	20.19	20.13	20.36	20.49	21.70	
	100	LOW	64QAM	20.12	20.25	20.27	20.38	20.43	21.70	

## 8.3.13LTE Band41 Output Power

LTE B41-Full Power -Ant.31 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	23.22	23.45	23.45	23.42	23.55	24.70	
		MID	QPSK	23.39	23.29	23.22	23.28	23.46	24.70	
		HIGH	QPSK	23.41	23.20	23.43	23.43	23.44	24.70	
	12	LOW	QPSK	22.09	22.13	22.30	22.23	22.42	23.70	
		MID	QPSK	22.31	22.32	22.14	22.25	22.37	23.70	
		HIGH	QPSK	22.14	22.39	22.25	22.10	22.41	23.70	
	25	LOW	QPSK	22.14	22.00	22.41	22.40	22.46	23.70	
	5	1	LOW	Q16	22.07	22.18	22.17	22.46	22.17	23.70
			MID	Q16	22.43	22.19	22.51	22.20	22.27	23.70
HIGH			Q16	22.21	22.27	22.56	22.59	22.35	23.70	
12		LOW	Q16	21.11	21.05	21.42	21.23	21.44	22.70	
		MID	Q16	21.44	21.21	21.50	21.52	21.14	22.70	
		HIGH	Q16	21.35	21.05	21.23	21.49	21.55	22.70	
25		LOW	Q16	21.37	21.22	21.27	21.09	21.30	22.70	
5		1	LOW	64QAM	21.15	21.11	21.21	21.17	21.15	22.70
			MID	64QAM	21.11	21.18	21.25	21.10	21.31	22.70
	HIGH		64QAM	21.04	21.19	21.02	21.54	20.99	22.70	
	12	LOW	64QAM	20.14	20.38	20.19	20.39	20.50	21.70	
		MID	64QAM	20.19	20.25	20.23	20.28	20.48	21.70	
		HIGH	64QAM	20.48	20.35	20.43	20.29	20.18	21.70	
	25	LOW	64QAM	20.12	20.00	20.08	20.14	20.42	21.70	
	10	1	LOW	QPSK	23.46	23.41	23.26	23.32	23.42	24.70
			MID	QPSK	23.32	23.22	23.21	23.40	23.44	24.70
HIGH			QPSK	23.24	23.35	23.47	23.31	23.44	24.70	
25			LOW	QPSK	22.00	21.96	22.18	22.08	22.41	23.70
MID			QPSK	22.44	22.22	22.20	22.16	22.45	23.70	
HIGH			QPSK	22.12	22.46	22.14	22.24	22.21	23.70	
50			LOW	QPSK	22.31	22.05	22.23	22.35	22.49	23.70
1			LOW	Q16	22.15	22.20	22.37	22.28	22.04	23.70
			MID	Q16	22.48	22.37	22.53	22.24	22.51	23.70
		HIGH	Q16	22.36	22.36	22.50	22.40	22.54	23.70	
		25	LOW	Q16	21.28	21.29	21.40	21.14	21.24	22.70
		MID	Q16	21.32	20.99	21.35	21.59	21.43	22.70	
		HIGH	Q16	21.16	21.13	21.19	21.53	21.47	22.70	
50		LOW	Q16	21.52	21.22	21.26	21.34	21.38	22.70	
10		1	LOW	64QAM	21.13	21.16	21.27	21.24	21.31	22.70
			MID	64QAM	21.16	21.32	21.24	21.05	21.36	22.70
			HIGH	64QAM	21.11	21.15	21.21	21.52	21.12	22.70
		25	LOW	64QAM	20.16	20.34	20.29	20.47	20.47	21.70
			MID	64QAM	20.36	20.31	20.26	20.09	20.41	21.70
			HIGH	64QAM	20.51	20.50	20.59	20.49	20.12	21.70
		50	LOW	64QAM	20.18	20.25	20.14	20.17	20.42	21.70

LTE B41-Full Power -Ant.31 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.24	23.16	23.24	23.59	23.50	24.70	
		MID	QPSK	23.21	23.27	23.29	23.47	23.51	24.70	
		HIGH	QPSK	23.13	23.22	23.49	23.47	23.38	24.70	
	36	LOW	QPSK	22.21	22.17	22.41	22.09	22.31	23.70	
		MID	QPSK	22.54	22.17	22.05	22.05	22.33	23.70	
		HIGH	QPSK	22.14	22.23	22.03	22.30	22.28	23.70	
	75	LOW	QPSK	22.11	22.21	22.19	22.35	22.61	23.70	
	15	1	LOW	Q16	22.03	22.30	22.28	22.36	22.23	23.70
			MID	Q16	22.25	22.29	22.48	22.34	22.45	23.70
HIGH			Q16	22.43	22.39	22.49	22.36	22.44	23.70	
36		LOW	Q16	21.18	21.33	21.42	21.29	21.29	22.70	
		MID	Q16	21.19	21.03	21.36	21.59	21.32	22.70	
		HIGH	Q16	21.12	21.15	21.23	21.58	21.34	22.70	
75		LOW	Q16	21.41	21.11	21.28	21.12	21.28	22.70	
15		1	LOW	64QAM	21.25	21.03	21.37	21.42	21.18	22.70
			MID	64QAM	21.41	21.29	21.32	21.03	21.40	22.70
	HIGH		64QAM	21.21	21.33	21.16	21.47	21.02	22.70	
	36	LOW	64QAM	20.21	20.30	20.39	20.42	20.35	21.70	
		MID	64QAM	20.17	20.45	20.27	20.32	20.36	21.70	
		HIGH	64QAM	20.42	20.48	20.55	20.47	20.32	21.70	
	75	LOW	64QAM	20.17	20.20	20.26	20.02	20.34	21.70	
	20	1	LOW	QPSK	23.32	23.30	23.34	23.45	23.45	24.70
			MID	QPSK	23.25	23.28	23.30	23.40	23.38	24.70
HIGH			QPSK	23.28	23.24	23.38	23.35	23.32	24.70	
LOW			QPSK	22.07	22.07	22.27	22.13	22.28	23.70	
MID			QPSK	22.46	22.19	22.19	22.14	22.45	23.70	
HIGH			QPSK	22.27	22.32	22.16	22.22	22.36	23.70	
LOW			QPSK	22.16	22.15	22.32	22.44	22.52	23.70	
LOW			Q16	22.16	22.23	22.29	22.32	22.13	23.70	
MID			Q16	22.40	22.25	22.49	22.20	22.36	23.70	
HIGH		Q16	22.35	22.35	22.49	22.48	22.47	23.70		
50		LOW	Q16	21.13	21.18	21.28	21.29	21.34	22.70	
		MID	Q16	21.33	21.10	21.43	21.44	21.28	22.70	
		HIGH	Q16	21.25	21.09	21.22	21.44	21.43	22.70	
		LOW	Q16	21.40	21.11	21.18	21.20	21.29	22.70	
		LOW	64QAM	21.17	21.18	21.24	21.27	21.19	22.70	
		MID	64QAM	21.26	21.18	21.33	21.12	21.33	22.70	
100		1	HIGH	64QAM	21.09	21.29	21.16	21.39	21.07	22.70
			LOW	64QAM	20.14	20.39	20.29	20.32	20.39	21.70
			MID	64QAM	20.26	20.34	20.36	20.24	20.43	21.70
		50	HIGH	64QAM	20.37	20.37	20.48	20.39	20.17	21.70
			LOW	64QAM	20.17	20.15	20.12	20.09	20.33	21.70

LTE B41-DSI2&3&4&5&8&9&10 -Ant.31 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	14.06	13.75	13.94	14.08	13.75	14.70	
		MID	QPSK	13.95	14.00	14.03	13.80	13.99	14.70	
		HIGH	QPSK	13.85	13.94	14.06	13.86	13.78	14.70	
	12	LOW	QPSK	14.06	13.91	14.08	13.84	14.06	14.70	
		MID	QPSK	13.80	14.22	14.11	14.01	13.92	14.70	
		HIGH	QPSK	13.89	13.91	14.21	13.83	14.13	14.70	
	25	LOW	QPSK	13.94	14.06	13.83	13.98	14.07	14.70	
	5	1	LOW	Q16	13.91	13.74	14.02	13.84	14.03	14.70
			MID	Q16	13.82	13.95	13.76	13.89	13.83	14.70
HIGH			Q16	13.99	14.01	13.68	13.61	14.16	14.70	
12		LOW	Q16	13.76	14.01	13.99	13.92	13.88	14.70	
		MID	Q16	13.68	13.84	14.06	13.68	13.79	14.70	
		HIGH	Q16	13.93	13.79	14.01	13.87	14.16	14.70	
25		LOW	Q16	14.06	14.05	13.70	13.87	13.72	14.70	
5		1	LOW	64QAM	13.61	13.80	13.89	14.10	13.59	14.70
			MID	64QAM	13.91	13.75	13.86	13.80	13.81	14.70
	HIGH		64QAM	13.82	13.83	13.91	14.05	13.84	14.70	
	12	LOW	64QAM	14.05	14.05	13.91	13.91	13.82	14.70	
		MID	64QAM	14.13	13.95	13.66	13.89	14.02	14.70	
		HIGH	64QAM	13.94	13.94	13.79	14.10	13.78	14.70	
	25	LOW	64QAM	13.89	14.00	13.88	14.16	13.70	14.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	13.99	13.73	14.08	14.09	13.72	14.70
MID			QPSK	14.05	13.90	14.02	13.88	13.92	14.70	
HIGH			QPSK	13.93	13.98	13.86	13.91	13.94	14.70	
25		LOW	QPSK	14.06	13.85	13.92	13.65	13.90	14.70	
		MID	QPSK	13.86	14.14	14.24	14.08	14.00	14.70	
		HIGH	QPSK	14.07	13.92	14.16	13.82	13.94	14.70	
10	1	LOW	QPSK	13.86	13.87	13.88	13.96	14.15	14.70	
		MID	Q16	14.08	13.78	13.82	13.88	13.88	14.70	
		HIGH	Q16	13.78	14.02	13.84	13.83	13.90	14.70	
	25	LOW	Q16	13.79	13.99	13.72	13.85	14.09	14.70	
		MID	Q16	13.70	14.14	13.81	13.89	13.91	14.70	
		HIGH	Q16	13.68	13.78	14.18	13.71	13.66	14.70	
	50	LOW	Q16	14.08	14.06	13.85	13.74	13.93	14.70	
	10	1	LOW	Q16	13.98	14.15	13.84	13.89	13.96	14.70
			MID	64QAM	13.65	13.68	14.02	14.11	13.60	14.70
HIGH			64QAM	13.87	13.99	13.88	13.78	13.75	14.70	
25		LOW	64QAM	13.72	13.75	13.97	14.11	13.97	14.70	
		MID	64QAM	14.16	13.95	13.93	13.98	13.65	14.70	
		HIGH	64QAM	14.14	13.92	13.76	13.88	13.89	14.70	
50		LOW	64QAM	14.01	13.89	13.76	13.94	13.93	14.70	
50		LOW	64QAM	13.82	14.02	13.90	13.97	13.96	14.70	

LTE B41-DSI2&3&4&5&8&9&10 -Ant.31 (ENDC)										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	14.09	13.83	13.90	13.98	13.77	14.70	
		MID	QPSK	13.81	13.90	14.18	13.75	13.91	14.70	
		HIGH	QPSK	13.79	14.04	13.94	13.67	13.78	14.70	
	36	LOW	QPSK	14.05	13.80	13.92	13.85	14.09	14.70	
		MID	QPSK	13.77	14.00	14.03	13.97	14.10	14.70	
		HIGH	QPSK	14.06	13.97	14.23	13.81	13.93	14.70	
	75	LOW	QPSK	14.14	13.82	13.79	13.79	13.98	14.70	
	15	1	LOW	Q16	14.07	13.87	14.01	13.88	13.98	14.70
			MID	Q16	13.94	13.98	13.90	13.88	14.03	14.70
HIGH			Q16	13.79	14.01	13.75	13.69	14.16	14.70	
36		LOW	Q16	13.82	14.19	14.05	13.85	13.72	14.70	
		MID	Q16	13.88	13.73	13.95	13.86	13.91	14.70	
		HIGH	Q16	14.13	13.92	14.12	13.79	14.18	14.70	
75		LOW	Q16	13.97	14.13	13.70	13.89	13.74	14.70	
15		1	LOW	64QAM	13.82	13.93	13.76	14.13	13.83	14.70
			MID	64QAM	13.85	13.72	13.85	13.97	13.97	14.70
	HIGH		64QAM	13.86	13.70	14.06	14.03	14.11	14.70	
	36	LOW	64QAM	14.00	13.92	13.98	13.99	13.76	14.70	
		MID	64QAM	14.02	13.87	13.65	13.88	13.90	14.70	
		HIGH	64QAM	14.10	14.10	13.87	14.01	13.88	14.70	
	75	LOW	64QAM	14.05	13.72	13.72	14.03	13.71	14.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	14.02	13.87	13.98	13.95	13.79	14.70
MID			QPSK	13.95	13.95	14.07	13.89	13.92	14.70	
HIGH			QPSK	13.92	13.89	13.93	13.80	13.89	14.70	
50		LOW	QPSK	14.07	13.83	13.94	13.78	14.02	14.70	
		MID	QPSK	13.83	14.12	14.13	14.07	14.00	14.70	
		HIGH	QPSK	13.98	13.88	14.13	13.77	13.98	14.70	
100	LOW	QPSK	13.99	13.96	13.89	13.87	14.09	14.70		
20	1	LOW	Q16	13.99	13.88	13.90	13.79	14.00	14.70	
		MID	Q16	13.87	14.00	13.89	13.84	13.97	14.70	
		HIGH	Q16	13.90	14.04	13.74	13.74	14.06	14.70	
	50	LOW	Q16	13.84	14.08	13.92	13.94	13.85	14.70	
		MID	Q16	13.75	13.87	14.03	13.74	13.76	14.70	
		HIGH	Q16	14.08	13.94	13.99	13.82	14.05	14.70	
100	LOW	Q16	14.02	14.05	13.81	13.79	13.87	14.70		
20	1	LOW	64QAM	13.70	13.82	13.89	14.08	13.70	14.70	
		MID	64QAM	13.86	13.84	13.89	13.82	13.85	14.70	
		HIGH	64QAM	13.71	13.78	13.94	13.97	13.98	14.70	
	50	LOW	64QAM	14.03	13.90	13.90	13.97	13.76	14.70	
		MID	64QAM	14.04	13.96	13.77	14.03	13.99	14.70	
		HIGH	64QAM	14.04	13.97	13.86	13.96	13.89	14.70	
100	LOW	64QAM	13.96	13.87	13.82	14.09	13.83	14.70		

## 8.3.13LTE Band41 Output Power

LTE B41-Full Power -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.94	23.24	23.36	23.41	23.11	24.70	
		MID	QPSK	23.06	23.08	23.27	23.41	23.28	24.70	
		HIGH	QPSK	23.09	23.29	23.67	23.47	23.13	24.70	
	12	LOW	QPSK	22.06	22.16	22.31	22.37	22.13	23.70	
		MID	QPSK	22.16	22.44	22.59	22.51	22.36	23.70	
		HIGH	QPSK	22.19	22.21	22.65	22.30	22.15	23.70	
	25	LOW	QPSK	22.09	22.23	22.40	22.35	22.23	23.70	
	5	1	LOW	Q16	22.17	22.28	22.29	22.41	22.26	23.70
			MID	Q16	22.22	22.18	22.59	22.54	22.15	23.70
HIGH			Q16	22.46	22.11	22.64	22.40	22.24	23.70	
12		LOW	Q16	20.98	21.09	21.45	21.17	20.97	22.70	
		MID	Q16	20.99	21.23	21.51	21.51	21.15	22.70	
		HIGH	Q16	21.12	21.23	21.42	21.30	21.21	22.70	
25		LOW	Q16	21.09	21.29	21.48	21.24	21.21	22.70	
5		1	LOW	64QAM	21.18	20.94	21.36	21.71	21.04	22.70
			MID	64QAM	20.98	21.53	21.85	21.26	21.32	22.70
	HIGH		64QAM	21.30	21.41	21.68	21.62	21.14	22.70	
	12	LOW	64QAM	20.03	20.06	20.51	20.41	19.96	21.70	
		MID	64QAM	20.09	20.08	20.57	20.50	20.01	21.70	
		HIGH	64QAM	20.19	20.28	20.54	20.43	20.24	21.70	
	25	LOW	64QAM	20.12	20.22	20.20	20.65	20.12	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.10	23.14	23.37	23.32	23.13	24.70
MID			QPSK	23.14	23.35	23.43	23.42	23.27	24.70	
HIGH			QPSK	23.16	23.11	23.64	23.25	23.26	24.70	
25		LOW	QPSK	22.12	22.13	22.41	22.35	22.26	23.70	
		MID	QPSK	22.09	22.22	22.63	22.33	22.07	23.70	
		HIGH	QPSK	22.12	22.14	22.53	22.28	22.30	23.70	
50	LOW	QPSK	22.16	22.40	22.36	22.33	22.21	23.70		
10	1	LOW	Q16	22.02	22.22	22.43	22.36	21.99	23.70	
		MID	Q16	22.12	22.15	22.61	22.56	22.26	23.70	
		HIGH	Q16	22.25	22.16	22.40	22.66	22.23	23.70	
	25	LOW	Q16	21.02	21.32	21.57	21.44	21.08	22.70	
		MID	Q16	21.21	21.12	21.42	21.47	21.28	22.70	
		HIGH	Q16	21.22	21.43	21.50	21.45	21.12	22.70	
50	LOW	Q16	21.31	21.36	21.37	21.32	21.32	22.70		
10	1	LOW	64QAM	21.28	21.05	21.54	21.65	21.18	22.70	
		MID	64QAM	21.12	21.32	21.66	21.40	21.15	22.70	
		HIGH	64QAM	21.46	21.54	21.57	21.63	21.27	22.70	
	25	LOW	64QAM	20.12	19.91	20.28	20.44	20.18	21.70	
		MID	64QAM	20.18	19.94	20.60	20.51	19.99	21.70	
		HIGH	64QAM	20.13	20.29	20.74	20.50	20.31	21.70	
	50	LOW	64QAM	20.13	19.97	20.30	20.45	20.12	21.70	



LTE B41-Full Power -Ant.1										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.02	23.26	23.28	23.39	23.16	24.70	
		MID	QPSK	23.13	23.13	23.38	23.48	23.17	24.70	
		HIGH	QPSK	23.05	23.08	23.69	23.26	23.18	24.70	
	36	LOW	QPSK	22.20	22.26	22.57	22.49	22.14	23.70	
		MID	QPSK	22.13	22.43	22.61	22.58	22.12	23.70	
		HIGH	QPSK	22.10	22.26	22.63	22.32	22.34	23.70	
	75	LOW	QPSK	22.11	22.12	22.35	22.37	22.25	23.70	
	15	1	LOW	Q16	21.93	22.01	22.31	22.46	22.11	23.70
			MID	Q16	22.23	22.22	22.40	22.32	22.15	23.70
HIGH			Q16	22.16	22.11	22.42	22.49	22.02	23.70	
36		LOW	Q16	21.03	21.14	21.51	21.40	21.11	22.70	
		MID	Q16	21.06	21.39	21.62	21.43	21.16	22.70	
		HIGH	Q16	21.07	21.41	21.47	21.27	21.09	22.70	
75		LOW	Q16	21.24	21.42	21.66	21.42	21.20	22.70	
15		1	LOW	64QAM	21.03	20.85	21.55	21.75	21.18	22.70
			MID	64QAM	21.17	21.55	21.61	21.40	21.39	22.70
	HIGH		64QAM	21.43	21.52	21.55	21.66	21.13	22.70	
	36	LOW	64QAM	20.26	20.08	20.40	20.41	19.96	21.70	
		MID	64QAM	20.02	20.19	20.52	20.43	19.94	21.70	
		HIGH	64QAM	20.17	20.50	20.67	20.34	20.18	21.70	
	75	LOW	64QAM	20.15	20.01	20.28	20.61	19.93	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.02	23.16	23.40	23.40	23.17	24.70
MID			QPSK	23.12	23.21	23.41	23.39	23.14	24.70	
HIGH			QPSK	23.14	23.23	23.56	23.35	23.20	24.70	
50		LOW	QPSK	22.05	22.18	22.43	22.36	22.12	23.70	
		MID	QPSK	22.15	22.30	22.53	22.44	22.22	23.70	
		HIGH	QPSK	22.19	22.25	22.50	22.38	22.19	23.70	
100	LOW	QPSK	22.13	22.27	22.49	22.41	22.17	23.70		
20	1	LOW	Q16	22.08	22.14	22.43	22.49	22.12	23.70	
		MID	Q16	22.18	22.17	22.51	22.46	22.13	23.70	
		HIGH	Q16	22.31	22.23	22.55	22.54	22.11	23.70	
	50	LOW	Q16	21.06	21.19	21.44	21.31	21.11	22.70	
		MID	Q16	21.14	21.27	21.57	21.43	21.19	22.70	
		HIGH	Q16	21.15	21.29	21.53	21.37	21.19	22.70	
100	LOW	Q16	21.17	21.27	21.52	21.39	21.17	22.70		
20	1	LOW	64QAM	21.18	20.99	21.44	21.61	21.07	22.70	
		MID	64QAM	21.10	21.42	21.76	21.41	21.27	22.70	
		HIGH	64QAM	21.41	21.40	21.54	21.68	21.16	22.70	
	50	LOW	64QAM	20.12	20.01	20.40	20.42	20.05	21.70	
		MID	64QAM	20.10	20.05	20.51	20.57	20.04	21.70	
		HIGH	64QAM	20.15	20.41	20.69	20.42	20.27	21.70	
	100	LOW	64QAM	20.21	20.12	20.32	20.51	20.07	21.70	

LTE B41-DSI2&3 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	19.80	19.65	19.88	20.07	19.80	20.70	
		MID	QPSK	19.75	19.90	19.82	19.97	19.97	20.70	
		HIGH	QPSK	19.76	19.84	19.71	19.95	19.97	20.70	
	12	LOW	QPSK	19.78	19.29	19.75	19.91	19.49	20.70	
		MID	QPSK	19.54	19.49	19.88	19.88	19.91	20.70	
		HIGH	QPSK	19.72	19.72	19.85	19.64	19.84	20.70	
	25	LOW	QPSK	19.81	19.72	19.92	19.73	19.76	20.70	
	5	1	LOW	Q16	19.72	19.60	19.69	19.98	19.71	20.70
			MID	Q16	19.90	19.61	19.91	19.75	19.76	20.70
HIGH			Q16	19.80	19.55	19.91	19.78	19.72	20.70	
12		LOW	Q16	19.34	19.35	19.67	19.61	19.67	20.70	
		MID	Q16	19.80	19.66	19.80	19.84	19.85	20.70	
		HIGH	Q16	19.65	19.55	19.71	19.69	19.72	20.70	
25		LOW	Q16	19.66	19.47	19.87	19.68	19.73	20.70	
5		1	LOW	64QAM	19.33	19.50	19.88	19.94	19.60	20.70
			MID	64QAM	19.75	19.59	19.65	19.90	19.63	20.70
	HIGH		64QAM	19.48	19.59	19.95	19.80	20.05	20.70	
	12	LOW	64QAM	19.58	19.58	19.48	19.76	19.69	20.70	
		MID	64QAM	19.71	19.76	19.97	19.82	19.96	20.70	
		HIGH	64QAM	19.67	19.60	19.77	19.70	19.92	20.70	
	25	LOW	64QAM	19.58	19.83	19.84	19.84	19.82	20.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	19.67	19.71	20.06	19.88	19.74	20.70
MID			QPSK	19.86	19.65	19.81	20.01	20.03	20.70	
HIGH			QPSK	19.71	19.59	19.92	20.08	19.80	20.70	
25		LOW	QPSK	19.76	19.47	19.53	19.59	19.48	20.70	
		MID	QPSK	19.58	19.60	19.72	19.60	19.69	20.70	
		HIGH	QPSK	19.57	19.44	19.79	19.63	19.73	20.70	
50	LOW	QPSK	19.80	19.59	19.73	19.81	19.82	20.70		
10	1	LOW	Q16	19.78	19.63	19.69	19.79	19.82	20.70	
		MID	Q16	19.78	19.71	19.74	20.08	19.52	20.70	
		HIGH	Q16	19.56	19.68	19.72	19.75	19.88	20.70	
	25	LOW	Q16	19.73	19.41	19.72	19.77	19.64	20.70	
		MID	Q16	19.65	19.78	19.91	19.86	19.75	20.70	
		HIGH	Q16	19.78	19.75	19.78	19.69	19.89	20.70	
50	LOW	Q16	19.74	19.56	19.78	19.68	19.65	20.70		
10	1	LOW	64QAM	19.43	19.46	19.76	19.96	19.65	20.70	
		MID	64QAM	19.70	19.49	19.63	19.97	19.79	20.70	
		HIGH	64QAM	19.60	19.55	20.14	19.73	19.90	20.70	
	25	LOW	64QAM	19.51	19.48	19.65	19.67	19.52	20.70	
		MID	64QAM	19.50	19.62	19.88	19.73	19.86	20.70	
		HIGH	64QAM	19.64	19.63	19.80	19.51	19.72	20.70	
	50	LOW	64QAM	19.65	19.78	19.64	19.77	19.69	20.70	

LTE B41-DSI2&3 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	19.58	19.84	19.94	19.90	19.84	20.70	
		MID	QPSK	19.90	19.79	19.80	19.71	20.12	20.70	
		HIGH	QPSK	19.81	19.77	19.78	19.99	20.04	20.70	
	36	LOW	QPSK	19.43	19.36	19.65	19.76	19.76	20.70	
		MID	QPSK	19.58	19.46	19.71	19.85	19.93	20.70	
		HIGH	QPSK	19.57	19.42	19.97	19.61	19.68	20.70	
	75	LOW	QPSK	19.81	19.56	19.77	19.62	19.53	20.70	
	15	1	LOW	Q16	19.59	19.59	19.77	19.81	19.89	20.70
			MID	Q16	19.78	19.58	19.72	19.91	19.57	20.70
HIGH			Q16	19.71	19.56	19.73	19.86	19.71	20.70	
36		LOW	Q16	19.43	19.59	19.67	19.62	19.75	20.70	
		MID	Q16	19.61	19.49	19.87	19.82	19.85	20.70	
		HIGH	Q16	19.46	19.65	19.62	19.73	19.93	20.70	
75		LOW	Q16	19.73	19.60	19.87	19.58	19.66	20.70	
15		1	LOW	64QAM	19.69	19.62	19.74	19.94	19.65	20.70
			MID	64QAM	19.69	19.58	19.76	19.84	19.81	20.70
	HIGH		64QAM	19.53	19.59	20.19	19.84	19.81	20.70	
	36	LOW	64QAM	19.57	19.43	19.67	19.77	19.45	20.70	
		MID	64QAM	19.72	19.86	19.93	19.83	19.79	20.70	
		HIGH	64QAM	19.57	19.55	19.84	19.70	19.81	20.70	
	75	LOW	64QAM	19.80	19.97	19.60	19.62	19.68	20.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	19.69	19.70	19.81	19.95	19.89	20.70
MID			QPSK	19.84	19.76	19.83	19.94	19.93	20.70	
HIGH			QPSK	19.87	19.78	20.02	19.97	20.01	20.70	
50		LOW	QPSK	19.61	19.54	19.63	19.64	19.66	20.70	
		MID	QPSK	19.77	19.56	19.84	19.76	19.72	20.70	
		HIGH	QPSK	19.74	19.61	19.87	19.86	19.83	20.70	
100	LOW	QPSK	19.67	19.56	19.85	19.76	19.85	20.70		
20	1	LOW	Q16	19.60	19.51	19.72	19.85	19.77	20.70	
		MID	Q16	19.67	19.52	19.65	19.91	19.67	20.70	
		HIGH	Q16	19.78	19.48	19.80	19.84	19.79	20.70	
	50	LOW	Q16	19.57	19.55	19.60	19.63	19.61	20.70	
		MID	Q16	19.76	19.61	19.80	19.84	19.81	20.70	
		HIGH	Q16	19.73	19.52	19.79	19.81	19.80	20.70	
100	LOW	Q16	19.65	19.60	19.81	19.72	19.77	20.70		
20	1	LOW	64QAM	19.50	19.60	19.77	19.83	19.72	20.70	
		MID	64QAM	19.68	19.51	19.73	19.99	19.84	20.70	
		HIGH	64QAM	19.65	19.52	20.04	19.75	19.88	20.70	
	50	LOW	64QAM	19.49	19.63	19.65	19.70	19.55	20.70	
		MID	64QAM	19.67	19.71	19.91	19.90	19.89	20.70	
		HIGH	64QAM	19.71	19.64	19.79	19.75	19.73	20.70	
	100	LOW	64QAM	19.57	19.83	19.85	19.69	19.76	20.70	

LTE B41-DSi4 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	22.94	23.24	23.36	23.41	23.11	24.70	
		MID	QPSK	23.06	23.08	23.27	23.41	23.28	24.70	
		HIGH	QPSK	23.09	23.29	23.67	23.47	23.13	24.70	
	12	LOW	QPSK	22.06	22.16	22.31	22.37	22.13	23.70	
		MID	QPSK	22.16	22.44	22.59	22.51	22.36	23.70	
		HIGH	QPSK	22.19	22.21	22.65	22.30	22.15	23.70	
	25	LOW	QPSK	22.09	22.23	22.40	22.35	22.23	23.70	
	5	1	LOW	Q16	22.17	22.28	22.29	22.41	22.26	23.70
			MID	Q16	22.22	22.18	22.59	22.54	22.15	23.70
HIGH			Q16	22.46	22.11	22.64	22.40	22.24	23.70	
12		LOW	Q16	20.98	21.09	21.45	21.17	20.97	22.70	
		MID	Q16	20.99	21.23	21.51	21.51	21.15	22.70	
		HIGH	Q16	21.12	21.23	21.42	21.30	21.21	22.70	
25		LOW	Q16	21.09	21.29	21.48	21.24	21.21	22.70	
5		1	LOW	64QAM	21.18	20.94	21.36	21.71	21.04	22.70
			MID	64QAM	20.98	21.53	21.85	21.26	21.32	22.70
	HIGH		64QAM	21.30	21.41	21.68	21.62	21.14	22.70	
	12	LOW	64QAM	20.03	20.06	20.51	20.41	19.96	21.70	
		MID	64QAM	20.09	20.08	20.57	20.50	20.01	21.70	
		HIGH	64QAM	20.19	20.28	20.54	20.43	20.24	21.70	
	25	LOW	64QAM	20.12	20.22	20.20	20.65	20.12	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	23.10	23.14	23.37	23.32	23.13	24.70
MID			QPSK	23.14	23.35	23.43	23.42	23.27	24.70	
HIGH			QPSK	23.16	23.11	23.64	23.25	23.26	24.70	
25		LOW	QPSK	22.12	22.13	22.41	22.35	22.26	23.70	
		MID	QPSK	22.09	22.22	22.63	22.33	22.07	23.70	
		HIGH	QPSK	22.12	22.14	22.53	22.28	22.30	23.70	
50	LOW	QPSK	22.16	22.40	22.36	22.33	22.21	23.70		
10	1	LOW	Q16	22.02	22.22	22.43	22.36	21.99	23.70	
		MID	Q16	22.12	22.15	22.61	22.56	22.26	23.70	
		HIGH	Q16	22.25	22.16	22.40	22.66	22.23	23.70	
	25	LOW	Q16	21.02	21.32	21.57	21.44	21.08	22.70	
		MID	Q16	21.21	21.12	21.42	21.47	21.28	22.70	
		HIGH	Q16	21.22	21.43	21.50	21.45	21.12	22.70	
50	LOW	Q16	21.31	21.36	21.37	21.32	21.32	22.70		
10	1	LOW	64QAM	21.28	21.05	21.54	21.65	21.18	22.70	
		MID	64QAM	21.12	21.32	21.66	21.40	21.15	22.70	
		HIGH	64QAM	21.46	21.54	21.57	21.63	21.27	22.70	
	25	LOW	64QAM	20.12	19.91	20.28	20.44	20.18	21.70	
		MID	64QAM	20.18	19.94	20.60	20.51	19.99	21.70	
		HIGH	64QAM	20.13	20.29	20.74	20.50	20.31	21.70	
	50	LOW	64QAM	20.13	19.97	20.30	20.45	20.12	21.70	

LTE B41-DSI4 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	23.02	23.26	23.28	23.39	23.16	24.70	
		MID	QPSK	23.13	23.13	23.38	23.48	23.17	24.70	
		HIGH	QPSK	23.05	23.08	23.69	23.26	23.18	24.70	
	36	LOW	QPSK	22.20	22.26	22.57	22.49	22.14	23.70	
		MID	QPSK	22.13	22.43	22.61	22.58	22.12	23.70	
		HIGH	QPSK	22.10	22.26	22.63	22.32	22.34	23.70	
	75	LOW	QPSK	22.11	22.12	22.35	22.37	22.25	23.70	
	15	1	LOW	Q16	21.93	22.01	22.31	22.46	22.11	23.70
			MID	Q16	22.23	22.22	22.40	22.32	22.15	23.70
HIGH			Q16	22.16	22.11	22.42	22.49	22.02	23.70	
36		LOW	Q16	21.03	21.14	21.51	21.40	21.11	22.70	
		MID	Q16	21.06	21.39	21.62	21.43	21.16	22.70	
		HIGH	Q16	21.07	21.41	21.47	21.27	21.09	22.70	
75		LOW	Q16	21.24	21.42	21.66	21.42	21.20	22.70	
15		1	LOW	64QAM	21.03	20.85	21.55	21.75	21.18	22.70
			MID	64QAM	21.17	21.55	21.61	21.40	21.39	22.70
	HIGH		64QAM	21.43	21.52	21.55	21.66	21.13	22.70	
	36	LOW	64QAM	20.26	20.08	20.40	20.41	19.96	21.70	
		MID	64QAM	20.02	20.19	20.52	20.43	19.94	21.70	
		HIGH	64QAM	20.17	20.50	20.67	20.34	20.18	21.70	
	75	LOW	64QAM	20.15	20.01	20.28	20.61	19.93	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	23.02	23.16	23.40	23.40	23.17	24.70
MID			QPSK	23.12	23.21	23.41	23.39	23.14	24.70	
HIGH			QPSK	23.14	23.23	23.56	23.35	23.20	24.70	
50		LOW	QPSK	22.05	22.18	22.43	22.36	22.12	23.70	
		MID	QPSK	22.15	22.30	22.53	22.44	22.22	23.70	
		HIGH	QPSK	22.19	22.25	22.50	22.38	22.19	23.70	
100	LOW	QPSK	22.13	22.27	22.49	22.41	22.17	23.70		
20	1	LOW	Q16	22.08	22.14	22.43	22.49	22.12	23.70	
		MID	Q16	22.18	22.17	22.51	22.46	22.13	23.70	
		HIGH	Q16	22.31	22.23	22.55	22.54	22.11	23.70	
	50	LOW	Q16	21.06	21.19	21.44	21.31	21.11	22.70	
		MID	Q16	21.14	21.27	21.57	21.43	21.19	22.70	
		HIGH	Q16	21.15	21.29	21.53	21.37	21.19	22.70	
100	LOW	Q16	21.17	21.27	21.52	21.39	21.17	22.70		
20	1	LOW	64QAM	21.18	20.99	21.44	21.61	21.07	22.70	
		MID	64QAM	21.10	21.42	21.76	21.41	21.27	22.70	
		HIGH	64QAM	21.41	21.40	21.54	21.68	21.16	22.70	
	50	LOW	64QAM	20.12	20.01	20.40	20.42	20.05	21.70	
		MID	64QAM	20.10	20.05	20.51	20.57	20.04	21.70	
		HIGH	64QAM	20.15	20.41	20.69	20.42	20.27	21.70	
	100	LOW	64QAM	20.21	20.12	20.32	20.51	20.07	21.70	

LTE B41-DSi5 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	20.72	20.45	20.69	20.94	20.74	21.70	
		MID	QPSK	20.68	20.67	20.91	20.88	20.67	21.70	
		HIGH	QPSK	20.77	20.62	20.82	20.98	20.78	21.70	
	12	LOW	QPSK	20.83	20.81	20.93	20.72	20.82	21.70	
		MID	QPSK	20.95	20.82	21.03	20.89	20.80	21.70	
		HIGH	QPSK	20.92	20.70	20.83	20.95	20.98	21.70	
	25	LOW	QPSK	20.77	20.76	20.99	20.84	21.00	21.70	
	5	1	LOW	Q16	20.87	20.62	20.79	21.14	20.83	21.70
			MID	Q16	20.90	20.64	20.96	20.93	20.63	21.70
HIGH			Q16	20.69	20.68	20.87	20.92	20.91	21.70	
12		LOW	Q16	20.75	20.57	20.71	20.77	20.64	21.70	
		MID	Q16	20.67	20.85	21.00	20.80	20.76	21.70	
		HIGH	Q16	20.87	20.65	21.07	20.93	20.72	21.70	
25		LOW	Q16	20.68	20.79	20.94	20.88	20.77	21.70	
5		1	LOW	64QAM	21.02	20.66	21.02	21.20	20.85	21.70
			MID	64QAM	20.79	20.69	21.18	21.17	20.96	21.70
	HIGH		64QAM	20.78	20.88	21.27	21.04	21.13	21.70	
	12	LOW	64QAM	20.85	20.85	20.78	20.85	20.96	21.70	
		MID	64QAM	20.94	20.89	20.91	20.90	20.96	21.70	
		HIGH	64QAM	20.92	20.99	21.10	20.81	20.86	21.70	
	25	LOW	64QAM	20.60	20.98	21.20	20.87	20.82	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	20.69	20.58	20.88	20.96	20.81	21.70
MID			QPSK	20.87	20.59	20.83	20.73	20.76	21.70	
HIGH			QPSK	20.80	20.74	20.96	20.97	20.82	21.70	
25		LOW	QPSK	20.58	20.54	20.85	20.70	20.69	21.70	
		MID	QPSK	20.72	20.80	20.93	20.89	20.93	21.70	
		HIGH	QPSK	20.69	20.67	20.78	20.85	20.97	21.70	
50	LOW	QPSK	20.72	20.69	21.03	20.78	20.95	21.70		
10	1	LOW	Q16	20.87	20.69	20.76	21.14	20.95	21.70	
		MID	Q16	20.90	20.76	20.91	20.94	20.82	21.70	
		HIGH	Q16	20.90	20.65	20.92	20.96	20.85	21.70	
	25	LOW	Q16	20.87	20.63	20.91	20.85	20.75	21.70	
		MID	Q16	20.85	20.84	20.80	21.00	21.01	21.70	
		HIGH	Q16	20.65	20.71	20.91	20.96	20.78	21.70	
50	LOW	Q16	20.96	20.70	20.84	20.97	20.87	21.70		
10	1	LOW	64QAM	20.81	20.72	20.88	20.99	20.94	21.70	
		MID	64QAM	20.88	20.75	21.06	21.07	20.86	21.70	
		HIGH	64QAM	20.94	20.75	21.11	21.02	21.24	21.70	
	25	LOW	64QAM	20.75	20.76	20.91	20.93	20.94	21.70	
		MID	64QAM	20.83	20.92	20.87	21.13	20.89	21.70	
		HIGH	64QAM	20.83	21.00	20.98	20.78	20.99	21.70	
	50	LOW	64QAM	20.78	20.73	20.96	20.99	20.89	21.70	

LTE B41-DSI5 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	20.79	20.54	20.86	20.70	20.80	21.70	
		MID	QPSK	20.76	20.56	20.80	20.90	20.86	21.70	
		HIGH	QPSK	20.57	20.72	20.78	21.07	21.02	21.70	
	36	LOW	QPSK	20.67	20.58	20.77	20.73	20.92	21.70	
		MID	QPSK	20.83	20.75	20.95	20.86	21.01	21.70	
		HIGH	QPSK	20.94	20.76	21.03	20.98	20.96	21.70	
	75	LOW	QPSK	20.76	20.59	20.90	20.77	20.89	21.70	
	15	1	LOW	Q16	20.96	20.76	20.94	20.89	20.84	21.70
			MID	Q16	20.70	20.60	20.83	21.07	20.81	21.70
HIGH			Q16	20.90	20.92	20.98	20.89	21.12	21.70	
36		LOW	Q16	20.80	20.73	20.88	20.82	20.74	21.70	
		MID	Q16	20.84	20.68	20.95	21.05	20.88	21.70	
		HIGH	Q16	20.77	20.58	21.02	20.78	20.91	21.70	
75		LOW	Q16	20.88	20.76	20.82	21.00	20.87	21.70	
15		1	LOW	64QAM	20.83	20.66	20.99	21.20	20.97	21.70
			MID	64QAM	20.81	20.57	21.14	21.19	20.71	21.70
	HIGH		64QAM	20.88	20.68	21.20	21.13	21.27	21.70	
	36	LOW	64QAM	20.80	20.70	20.82	20.98	20.77	21.70	
		MID	64QAM	20.87	21.01	20.95	20.91	21.01	21.70	
		HIGH	64QAM	20.82	20.76	20.92	20.73	20.98	21.70	
	75	LOW	64QAM	20.80	20.82	21.19	20.97	20.83	21.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	20.68	20.60	20.74	20.85	20.81	21.70
MID			QPSK	20.75	20.62	20.83	20.86	20.81	21.70	
HIGH			QPSK	20.71	20.61	20.89	20.93	20.91	21.70	
50		LOW	QPSK	20.72	20.66	20.81	20.83	20.79	21.70	
		MID	QPSK	20.80	20.72	20.94	20.95	20.89	21.70	
		HIGH	QPSK	20.79	20.73	20.92	20.88	20.88	21.70	
100	LOW	QPSK	20.79	20.71	20.89	20.90	20.86	21.70		
20	1	LOW	Q16	20.88	20.67	20.83	21.02	20.81	21.70	
		MID	Q16	20.75	20.69	20.90	21.03	20.77	21.70	
		HIGH	Q16	20.80	20.77	20.92	21.00	20.99	21.70	
	50	LOW	Q16	20.72	20.64	20.81	20.85	20.77	21.70	
		MID	Q16	20.79	20.74	20.93	20.91	20.90	21.70	
		HIGH	Q16	20.79	20.70	20.94	20.90	20.87	21.70	
100	LOW	Q16	20.81	20.74	20.93	20.90	20.86	21.70		
20	1	LOW	64QAM	20.88	20.71	20.95	21.11	20.86	21.70	
		MID	64QAM	20.85	20.69	21.07	21.08	20.86	21.70	
		HIGH	64QAM	20.82	20.82	21.14	20.99	21.14	21.70	
	50	LOW	64QAM	20.70	20.83	20.86	20.90	20.89	21.70	
		MID	64QAM	20.84	20.91	20.81	20.98	20.93	21.70	
		HIGH	64QAM	20.87	20.86	20.98	20.84	20.99	21.70	
	100	LOW	64QAM	20.68	20.87	21.05	21.00	20.96	21.70	

LTE B41-DSI8&9&10 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39675	40110	40620	41130	41565	Tune-up power(dBm)	
5	1	LOW	QPSK	18.59	18.76	18.77	18.99	18.84	19.70	
		MID	QPSK	18.71	18.79	18.80	18.85	18.85	19.70	
		HIGH	QPSK	18.64	18.62	18.83	19.00	18.97	19.70	
	12	LOW	QPSK	18.93	18.58	18.87	18.96	18.81	19.70	
		MID	QPSK	18.81	18.85	18.88	19.08	18.99	19.70	
		HIGH	QPSK	18.79	18.65	18.86	18.98	18.87	19.70	
	25	LOW	QPSK	18.84	18.82	19.00	18.99	18.91	19.70	
	5	1	LOW	Q16	18.83	18.82	18.98	19.14	18.95	19.70
			MID	Q16	18.88	18.85	19.03	19.10	19.03	19.70
HIGH			Q16	19.04	18.63	18.96	19.20	19.09	19.70	
12		LOW	Q16	18.61	18.84	18.96	18.96	18.95	19.70	
		MID	Q16	18.91	18.93	18.94	19.01	18.86	19.70	
		HIGH	Q16	18.72	18.88	19.05	19.09	18.88	19.70	
25		LOW	Q16	18.78	18.68	18.89	18.93	18.86	19.70	
5		1	LOW	64QAM	18.63	18.89	18.98	18.98	18.92	19.70
			MID	64QAM	19.06	18.69	18.71	18.85	18.75	19.70
	HIGH		64QAM	18.88	18.83	19.22	19.21	19.09	19.70	
	12	LOW	64QAM	18.72	18.88	18.88	19.10	18.86	19.70	
		MID	64QAM	18.76	18.68	18.94	19.07	19.03	19.70	
		HIGH	64QAM	19.02	18.77	19.10	18.91	19.04	19.70	
	25	LOW	64QAM	18.79	18.88	19.07	19.05	19.09	19.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39700	40135	40620	41105	41540	Tune-up power(dBm)
	10	1	LOW	QPSK	18.82	18.54	18.77	18.98	18.87	19.70
MID			QPSK	18.88	18.61	18.81	19.06	18.92	19.70	
HIGH			QPSK	18.68	18.66	18.87	18.90	18.83	19.70	
25		LOW	QPSK	18.67	18.56	18.93	18.86	18.97	19.70	
		MID	QPSK	18.81	18.84	18.90	18.97	19.04	19.70	
		HIGH	QPSK	18.79	18.74	19.02	18.83	18.87	19.70	
50	LOW	QPSK	18.93	18.69	19.03	18.85	18.92	19.70		
10	1	LOW	Q16	18.76	18.62	18.91	19.03	19.00	19.70	
		MID	Q16	18.73	18.85	19.02	19.02	18.94	19.70	
		HIGH	Q16	18.96	18.72	19.01	19.20	18.84	19.70	
	25	LOW	Q16	18.65	18.68	18.80	18.87	18.73	19.70	
		MID	Q16	18.86	18.75	19.08	18.90	18.87	19.70	
		HIGH	Q16	18.92	18.85	19.01	19.00	18.81	19.70	
50	LOW	Q16	18.84	18.92	18.81	18.80	18.94	19.70		
10	1	LOW	64QAM	18.61	18.62	18.95	19.06	18.80	19.70	
		MID	64QAM	19.00	18.92	18.81	19.02	18.95	19.70	
		HIGH	64QAM	18.93	18.94	19.00	19.05	19.22	19.70	
	25	LOW	64QAM	19.01	18.91	18.98	18.93	18.97	19.70	
		MID	64QAM	19.00	18.77	18.89	19.17	18.85	19.70	
		HIGH	64QAM	18.85	18.71	18.94	18.74	19.15	19.70	
	50	LOW	64QAM	18.72	18.90	18.96	18.93	19.00	19.70	



LTE B41-DSI8&9&10 -Ant.11										
Bandwidth (MHz)	RB Size	RB offset	Modulation	39725	40160	40620	41080	41515	Tune-up power(dBm)	
15	1	LOW	QPSK	18.78	18.53	18.85	18.79	18.75	19.70	
		MID	QPSK	18.73	18.60	18.79	18.87	18.82	19.70	
		HIGH	QPSK	18.63	18.72	18.80	18.90	18.91	19.70	
	36	LOW	QPSK	18.97	18.54	18.83	18.86	18.80	19.70	
		MID	QPSK	18.76	18.78	19.07	18.92	19.01	19.70	
		HIGH	QPSK	19.02	18.82	18.80	18.98	18.83	19.70	
	75	LOW	QPSK	19.00	18.77	18.98	18.83	18.96	19.70	
	15	1	LOW	Q16	18.70	18.79	19.02	19.16	18.96	19.70
			MID	Q16	18.73	18.69	19.01	18.93	18.84	19.70
HIGH			Q16	18.84	18.81	19.07	19.00	19.00	19.70	
36		LOW	Q16	18.74	18.69	18.75	18.98	18.93	19.70	
		MID	Q16	18.84	18.84	19.02	19.03	18.94	19.70	
		HIGH	Q16	18.78	18.73	19.03	18.81	19.09	19.70	
75		LOW	Q16	18.91	18.94	18.84	18.87	18.81	19.70	
15		1	LOW	64QAM	18.74	18.76	18.96	19.12	18.98	19.70
			MID	64QAM	19.03	18.82	18.95	19.03	18.98	19.70
	HIGH		64QAM	18.90	19.00	19.29	18.99	19.18	19.70	
	36	LOW	64QAM	18.95	18.88	18.74	19.07	18.89	19.70	
		MID	64QAM	18.84	18.68	18.88	19.14	18.93	19.70	
		HIGH	64QAM	19.04	18.88	18.97	18.80	18.99	19.70	
	75	LOW	64QAM	18.69	18.80	19.08	19.03	19.02	19.70	
	Bandwidth (MHz)	RB Size	RB offset	Modulation	39750	40185	40620	41055	41490	Tune-up power(dBm)
	20	1	LOW	QPSK	18.74	18.63	18.88	18.82	18.87	19.70
MID			QPSK	18.81	18.67	18.91	18.86	18.91	19.70	
HIGH			QPSK	18.78	18.67	18.93	18.95	18.95	19.70	
50		LOW	QPSK	18.82	18.69	18.87	18.87	18.85	19.70	
		MID	QPSK	18.89	18.78	18.96	18.97	18.96	19.70	
		HIGH	QPSK	18.87	18.78	18.98	18.95	18.94	19.70	
100	LOW	QPSK	18.86	18.77	18.96	18.95	18.96	19.70		
20	1	LOW	Q16	18.84	18.68	18.91	19.04	18.86	19.70	
		MID	Q16	18.84	18.84	19.00	19.02	18.97	19.70	
		HIGH	Q16	18.98	18.72	18.96	19.11	18.94	19.70	
	50	LOW	Q16	18.76	18.70	18.86	18.87	18.84	19.70	
		MID	Q16	18.86	18.79	18.93	19.00	18.94	19.70	
		HIGH	Q16	18.87	18.78	18.95	18.94	18.95	19.70	
100	LOW	Q16	18.85	18.80	18.95	18.95	18.92	19.70		
20	1	LOW	64QAM	18.69	18.76	19.07	19.05	18.95	19.70	
		MID	64QAM	18.98	18.80	18.85	18.96	18.87	19.70	
		HIGH	64QAM	18.86	18.89	19.15	19.12	19.09	19.70	
	50	LOW	64QAM	18.86	18.91	18.89	19.02	18.92	19.70	
		MID	64QAM	18.87	18.63	18.81	19.08	18.93	19.70	
		HIGH	64QAM	18.92	18.75	19.03	18.80	19.01	19.70	
	100	LOW	64QAM	18.75	18.89	19.01	18.92	18.99	19.70	

## 8.4.1 LTE Band7 Uplink CA Output Power

LTE Uplink 2CA_Band 7-ANT13 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.80	24.00
21100	21298	20	QPSK	1	High	1	Low	2	22.76	24.00
21350	21152	20	QPSK	1	Low	1	High	2	22.69	24.00

LTE Uplink 2CA_Band 7-ANT13-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	11.82	13.00
21100	21298	20	QPSK	1	High	1	Low	2	11.79	13.00
21350	21152	20	QPSK	1	Low	1	High	2	11.72	13.00

LTE Uplink 2CA_Band 7-ANT13-DSI4										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	20.22	21.50
21100	21298	20	QPSK	1	High	1	Low	2	20.24	21.50
21350	21152	20	QPSK	1	Low	1	High	2	20.23	21.50

LTE Uplink 2CA_Band 7-ANT13-DSI5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	17.72	19.00
21100	21298	20	QPSK	1	High	1	Low	2	17.78	19.00
21350	21152	20	QPSK	1	Low	1	High	2	17.68	19.00

LTE Uplink 2CA_Band 7-ANT13-DSI8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	13.49	14.50
21100	21298	20	QPSK	1	High	1	Low	2	13.52	14.50
21350	21152	20	QPSK	1	Low	1	High	2	13.42	14.50

LTE Uplink 2CA_Band 7-ANT31 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.58	24.00
21100	21298	20	QPSK	1	High	1	Low	2	22.36	24.00
21350	21152	20	QPSK	1	Low	1	High	2	22.47	24.00

LTE Uplink 2CA_Band 7-ANT31-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.58	24.00
21100	21298	20	QPSK	1	High	1	Low	2	22.36	24.00
21350	21152	20	QPSK	1	Low	1	High	2	22.47	24.00

LTE Uplink 2CA_Band 7-ANT31-DSI4&5&8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	20.59	22.00
21100	21298	20	QPSK	1	High	1	Low	2	20.47	22.00
21350	21152	20	QPSK	1	Low	1	High	2	20.52	22.00

LTE Uplink 2CA_Band 7-ANT11 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.71	24.00
21100	21298	20	QPSK	1	High	1	Low	2	22.62	24.00
21350	21152	20	QPSK	1	Low	1	High	2	22.58	24.00

LTE Uplink 2CA_Band 7-ANT11-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	17.18	18.00
21100	21298	20	QPSK	1	High	1	Low	2	17.12	18.00
21350	21152	20	QPSK	1	Low	1	High	2	17.18	18.00

LTE Uplink 2CA_Band 7-ANT11-DSI4										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	22.71	24.00
21100	21298	20	QPSK	1	High	1	Low	2	22.62	24.00
21350	21152	20	QPSK	1	Low	1	High	2	22.58	24.00

LTE Uplink 2CA_Band 7-ANT11-DSI5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	18.12	19.00
21100	21298	20	QPSK	1	High	1	Low	2	18.02	19.00
21350	21152	20	QPSK	1	Low	1	High	2	18.08	19.00

LTE Uplink 2CA_Band 7-ANT11-DSI8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
20850	21048	20	QPSK	1	High	1	Low	2	17.19	18.00
21100	21298	20	QPSK	1	High	1	Low	2	17.21	18.00
21350	21152	20	QPSK	1	Low	1	High	2	17.26	18.00

## 8.4.2 LTE Band66 Uplink CA Output Power

LTE Uplink 2CA_Band 66-ANT13 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	22.76	24.50
132322	132520	20	QPSK	1	High	1	Low	2	22.68	24.50
132572	132374	20	QPSK	1	Low	1	High	2	22.73	24.50

LTE Uplink 2CA_Band 66-ANT13-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	15.71	17.50
132322	132520	20	QPSK	1	High	1	Low	2	15.72	17.50
132572	132374	20	QPSK	1	Low	1	High	2	15.76	17.50

LTE Uplink 2CA_Band 66-ANT13-DSI4										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	22.73	24.50
132322	132520	20	QPSK	1	High	1	Low	2	22.68	24.50
132572	132374	20	QPSK	1	Low	1	High	2	22.86	24.50

LTE Uplink 2CA_Band 66-ANT13-DSI5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	19.78	21.50
132322	132520	20	QPSK	1	High	1	Low	2	19.65	21.50
132572	132374	20	QPSK	1	Low	1	High	2	19.72	21.50

LTE Uplink 2CA_Band 66-ANT13-DSI8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	19.34	21.00
132322	132520	20	QPSK	1	High	1	Low	2	19.25	21.00
132572	132374	20	QPSK	1	Low	1	High	2	19.21	21.00

LTE Uplink 2CA_Band 66-ANT13 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	23.02	24.50
132322	132520	20	QPSK	1	High	1	Low	2	23.12	24.50
132572	132374	20	QPSK	1	Low	1	High	2	23.05	24.50

LTE Uplink 2CA_Band 66-ANT13-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	23.02	24.50
132322	132520	20	QPSK	1	High	1	Low	2	23.12	24.50
132572	132374	20	QPSK	1	Low	1	High	2	23.05	24.50

LTE Uplink 2CA_Band 66-ANT13-DSI4&5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	20.12	21.50
132322	132520	20	QPSK	1	High	1	Low	2	20.08	21.50
132572	132374	20	QPSK	1	Low	1	High	2	20.03	21.50

LTE Uplink 2CA_Band 66-ANT13-DSI8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	19.10	20.50
132322	132520	20	QPSK	1	High	1	Low	2	19.12	20.50
132572	132374	20	QPSK	1	Low	1	High	2	19.11	20.50

LTE Uplink 2CA_Band 66-ANT13 Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	22.89	24.50
132322	132520	20	QPSK	1	High	1	Low	2	22.82	24.50
132572	132374	20	QPSK	1	Low	1	High	2	22.78	24.50

LTE Uplink 2CA_Band 66-ANT13-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	22.15	23.50
132322	132520	20	QPSK	1	High	1	Low	2	22.13	23.50
132572	132374	20	QPSK	1	Low	1	High	2	22.08	23.50

LTE Uplink 2CA_Band 66-ANT13-DSI4										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	22.89	24.50
132322	132520	20	QPSK	1	High	1	Low	2	22.82	24.50
132572	132374	20	QPSK	1	Low	1	High	2	22.78	24.50

LTE Uplink 2CA_Band 66-ANT13-DSI5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	21.74	23.00
132322	132520	20	QPSK	1	High	1	Low	2	21.68	23.00
132572	132374	20	QPSK	1	Low	1	High	2	21.62	23.00

LTE Uplink 2CA_Band 66-ANT13-DSI8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
132072	132270	20	QPSK	1	High	1	Low	2	21.12	22.50
132322	132520	20	QPSK	1	High	1	Low	2	21.19	22.50
132572	132374	20	QPSK	1	Low	1	High	2	21.24	22.50

## 8.4.3 LTE Band41 Uplink CA Output Power

LTE Uplink 2CA_Band 41-ANT13-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	23.35	24.70
40185	40383	20	QPSK	1	High	1	Low	2	23.23	24.70
40620	40818	20	QPSK	1	High	1	Low	2	23.28	24.70
41055	41253	20	QPSK	1	High	1	Low	2	23.26	24.70
41490	41292	20	QPSK	1	Low	1	High	2	23.34	24.70

LTE Uplink 2CA_Band 41-ANT13-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	14.86	16.20
40185	40383	20	QPSK	1	High	1	Low	2	14.95	16.20
40620	40818	20	QPSK	1	High	1	Low	2	14.92	16.20
41055	41253	20	QPSK	1	High	1	Low	2	14.91	16.20
41490	41292	20	QPSK	1	Low	1	High	2	14.98	16.20

LTE Uplink 2CA_Band 41-ANT13-DSI4										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	22.41	23.70
40185	40383	20	QPSK	1	High	1	Low	2	22.36	23.70
40620	40818	20	QPSK	1	High	1	Low	2	22.39	23.70
41055	41253	20	QPSK	1	High	1	Low	2	22.34	23.70
41490	41292	20	QPSK	1	Low	1	High	2	22.42	23.70

LTE Uplink 2CA_Band 41-ANT13-DSI5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	18.45	20.20
40185	40383	20	QPSK	1	High	1	Low	2	18.91	20.20
40620	40818	20	QPSK	1	High	1	Low	2	18.94	20.20
41055	41253	20	QPSK	1	High	1	Low	2	18.76	20.20
41490	41292	20	QPSK	1	Low	1	High	2	18.98	20.20

LTE Uplink 2CA_Band 41-ANT13-DSI8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	16.43	17.70
40185	40383	20	QPSK	1	High	1	Low	2	16.38	17.70
40620	40818	20	QPSK	1	High	1	Low	2	16.42	17.70
41055	41253	20	QPSK	1	High	1	Low	2	16.49	17.70
41490	41292	20	QPSK	1	Low	1	High	2	16.39	17.70



LTE Uplink 2CA_Band 41-ANT31-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	22.98	24.70
40185	40383	20	QPSK	1	High	1	Low	2	22.76	24.70
40620	40818	20	QPSK	1	High	1	Low	2	22.88	24.70
41055	41253	20	QPSK	1	High	1	Low	2	22.76	24.70
41490	41292	20	QPSK	1	Low	1	High	2	22.82	24.70

LTE Uplink 2CA_Band 41-ANT31-DSI2&3&4&5&8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	22.98	24.70
40185	40383	20	QPSK	1	High	1	Low	2	22.76	24.70
40620	40818	20	QPSK	1	High	1	Low	2	22.88	24.70
41055	41253	20	QPSK	1	High	1	Low	2	22.76	24.70
41490	41292	20	QPSK	1	Low	1	High	2	22.82	24.70

LTE Uplink 2CA_ Band 41-ANT11-Full power										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	23.15	24.70
40185	40383	20	QPSK	1	High	1	Low	2	23.10	24.70
40620	40818	20	QPSK	1	High	1	Low	2	23.19	24.70
41055	41253	20	QPSK	1	High	1	Low	2	23.13	24.70
41490	41292	20	QPSK	1	Low	1	High	2	23.28	24.70

LTE Uplink 2CA_ Band 41-ANT11-DSI2&3										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	19.63	20.70
40185	40383	20	QPSK	1	High	1	Low	2	19.29	20.70
40620	40818	20	QPSK	1	High	1	Low	2	19.34	20.70
41055	41253	20	QPSK	1	High	1	Low	2	19.32	20.70
41490	41292	20	QPSK	1	Low	1	High	2	19.15	20.70

LTE Uplink 2CA_ Band 41-ANT11-DSI4										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	23.15	24.70
40185	40383	20	QPSK	1	High	1	Low	2	23.10	24.70
40620	40818	20	QPSK	1	High	1	Low	2	23.19	24.70
41055	41253	20	QPSK	1	High	1	Low	2	23.13	24.70
41490	41292	20	QPSK	1	Low	1	High	2	23.28	24.70

LTE Uplink 2CA_ Band 41-ANT11-DSI5										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	20.74	21.70
40185	40383	20	QPSK	1	High	1	Low	2	20.54	21.70
40620	40818	20	QPSK	1	High	1	Low	2	20.62	21.70
41055	41253	20	QPSK	1	High	1	Low	2	20.59	21.70
41490	41292	20	QPSK	1	Low	1	High	2	20.59	21.70

LTE Uplink 2CA_ Band 41-ANT11-DSI8&9&10										
Combination 20MHz+20MHz(100RB+100RB)										
PCC	SCC	Bandwidth	Modulation	PCC		SCC		Total RB Size	Measured Power(dBm)	Max. tune-up power (dBm)
				RB Size	RB Pos.	RB Size	RB Pos.			
39750	39948	20	QPSK	1	High	1	Low	2	18.85	19.70
40185	40383	20	QPSK	1	High	1	Low	2	18.72	19.70
40620	40818	20	QPSK	1	High	1	Low	2	18.79	19.70
41055	41253	20	QPSK	1	High	1	Low	2	18.72	19.70
41490	41292	20	QPSK	1	Low	1	High	2	18.82	19.70

## 8.5 Downlink CA Power

LTE Carrier Aggregation (CA) was defined in 3GPP release 10 and higher. The LTE device in CA mode has one Primary Component Carrier (PCC) and one or more Secondary Component Carriers (SCC). PCC acts as the anchor carrier and can optionally cross-schedule data transmission on SCC. The RRC connection is only handled by one cell, the PCC for downlink and uplink communications. After making a data connection to the PCC, the LTE device adds the SCC on the downlink only. All uplink communications and acknowledgements remain identical to release 8 specifications on the PCC. The combinations of downlink carrier aggregation supported by this device are listed in below.

1. This device supports carrier aggregation on uplink and downlink for inter and intra band. For the device supports combination bands and configurations are according to 3GPP and the combinations list as below table.
2. All permutations exist. No restrictions on Pcell & Scell combinations. Only LTE Band 29 and band 46 is limited to Scell.
3. The gray color table is covered by other combinations and no need to verify power.

### 8.5.1 Downlink Bandwidth Combination sets for Intra-Band CA

E-UTRA CA Configuration	
DL Intra-Band Contiguous CA	DL Intra-Band Non-Contiguous CA
CA_2C	CA_2A-2A
CA_5B	CA_4A-4A
CA_7B	CA_5A-5A
CA_7C	CA_7A-7A
CA_38C	CA_41A-41A
CA_41C	CA_66A-66A
CA_66B	
CA_66C	

### 8.5.2 Downlink Bandwidth Combination Sets for Inter-Band CA

E-UTRA CA Configuration				
DL Inter-Band (2Bands, 2CC)	DL Inter-Band (2Bands, 3CC)	DL Inter-Band (3Bands, 3CC)	DL Inter-Band (3Bands, 4CC)	DL Inter-Band (4Bands, 4CC)
CA_2A-4A	CA_2A-7C	CA_2A-4A-7A		
CA_2A-5A	CA_4A-7C	CA_2A-5A-7A		
CA_2A-7A	CA_5A-7C	CA_2A-5A-66A		
CA_2A-26A	CA_5A-66C	CA_2A-4A-4A		
CA_2A-66A		CA_2A-4A-5A		
CA_2A-38A		CA_2A-7A-26A		

CA_4A-5A		CA_2A-7A-66A		
CA_4A-7A		CA_2A-66A-66A		
CA_5A-7A		CA_2A-2A-7A		
CA_5A-38A		CA_4A-4A-5A		
CA_5A-41A		CA_4A-4A-7A		
CA_5A-66A		CA_4A-7A-7A		
CA_7A-26A		CA_5A-7A-7A		
CA_7A-66A		CA_5A-7A-66A		
CA_26A-41A		CA_5A-66A-66A		
CA_26A-66A		CA_7A-7A-66A		
CA_n5A-n7A		CA_7A-66A-66A		
CA_n5A-n78A				
CA_n7A-n78A				
CA_n26A-n78A				
CA_n66A-n78A				

### 8.5.3 Power Confirmation for SAR test Exclusion for Downlink CA

According to KDB 941225 D05A, the uplink maximum output power below was measured with downlink CA active on the channel with highest measured maximum output power when downlink CA is inactive. The downlink SCC channel was paired with the uplink channel as normal operation. For intra-band contiguous CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing per section 5.4.1A of 3GPP TS36.521. For intra-band non-contiguous CA, the downlink channel spacing between the component carriers was set to maximum separation from PCC and remain fully within the downlink transmission band. For Inter-band CA, the SCC downlink channel was set to near the middle of its transmission band. Power measurements were performed on the channel with the highest maximum output power from Tune-up Procedure on ANT31 antenna.

#### EUT without Power Reduction (Full power)

##### Power Measurements for Intra-Band Contiguous Downlink CA with Antenna

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2C	2	20M	18700	1860	1	49	700	1940	2	20M	898	1959.8	22.78	22.65
5B	5	10M	20525	836.5	1	25	2525	881.5	5	5M	2432	872.2	23.40	23.28
7C	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	22.66	22.54
7B	7	15M	21100	2535	1	36	3100	2655	7	5M	3193	2664.3	22.72	22.56
38C	38	20M	38000	2595	1	49	38000	2595	38	20M	2397	2575.2	23.38	23.31
41C	41	20M	41490	2680	1	99	41490	2680	41	20M	41292	2660.2	23.49	23.26

66B	66	15M	132047	1717.5	1	0	66511	2117.5	66	5M	66604	2126.8	23.38	23.25
66C	66	20M	132322	1745	1	0	66786	2145	66	20M	66588	2125.2	23.29	23.21

**Power Measurements for Intra-Band Non-Contiguous Downlink CA**

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
5A-5A	2	10M	20525	836.5	1	25	2525	881.5	5	1.4M	2643	893.3	23.40	23.19
41A-41A	41	20M	41490	2680	1	99	41490	2680	41	5M	39675	2498.5	23.49	23.42
66A-66A	66	20M	132322	1745	1	0	66786	2145	66	1.4M	67129	2179.3	23.29	23.07

**Power Measurements for Inter-Band Non-Contiguous Downlink CA**

CA Combination	PCC								SCC1				SCC2			Power(dBm)		
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-7C	2	20M	1870	1860	1	49	700	1940	7	20M	3100	2655	7	20M	3100	2655	22.78	22.75
2A-4A-7A	2	20M	1870	1860	1	49	700	1940	4	20M	2175	2132.5	7	20M	3100	2655	22.78	22.59
2A-5A-7A	2	20M	1870	1860	1	49	700	1940	5	10M	2525	881.5	7	20M	3100	2655	22.78	22.62
2A-5A-6A	2	20M	1870	1860	1	49	700	1940	5	10M	2525	881.5	66	20M	66786	2145	22.78	22.75
2A-4A-4A	2	20M	1870	1860	1	49	700	1940	4	20M	2175	2132.5	4	20M	2175	2132.5	22.78	22.59
2A-4A-5A	2	20M	1870	1860	1	49	700	1940	4	20M	2175	2132.5	5	10M	2525	881.5	22.78	22.59
2A-7A-2A	2	20M	1870	1860	1	49	700	1940	7	20M	3100	2655	26	15M	8865	876.5	22.78	22.66
2A-7A-6A	2	20M	1870	1860	1	49	700	1940	7	20M	3100	2655	66	20M	66786	2145	22.78	22.63
2A-66A-66A	2	20M	1870	1860	1	49	700	1940	66	20M	66786	2145	66	20M	66786	2145	22.78	22.61
4A-7C	4	20M	2005	172	1	99	2050	212	7	20M	3100	2655	7	20M	3100	2655	23.1	22.9

		M	0	0				0		M				M	0		8	8
4A-4A-5 A	4	20 M	2005 0	172 0	1	99	2050	212 0	4	20 M	2175	2132 .5	5	10 M	252 5	881. 5	23.1 8	23.0 8
4A-4A-7 A	4	20 M	2005 0	172 0	1	99	2050	212 0	4	20 M	2175	2132 .5	7	20 M	310 0	2655	23.1 8	23.1 1
4A-7A-7 A	4	20 M	2005 0	172 0	1	99	2050	212 0	7	20 M	3100	2655	7	20 M	310 0	2655	23.1 8	23.1 1
5A-38A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	38	20 M	3800 0	2595	/	/	/	/	23.4 0	23.3 4
5A-41A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	41	20 M	4062 0	2593	/	/	/	/	23.4 0	23.2 7
5A-7C	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.2 5
5A-7A-7 A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.1 9
5A-7A-6 6A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	66	20 M	667 86	2145	23.4 0	23.3 5
5A-66C	5	10 M	2052 5	836. 5	1	25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9
5A-66A- 66A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9
7A-66A	7	20 M	2110 0	253 5	1	49	3100	265 5	66	20 M	6678 6	2145	/	/	/	/	22.6 6	22.6 1
7A-7A-6 6A	7	20 M	2110 0	253 5	1	49	3100	265 5	7	20 M	3100	2655	66	20 M	667 86	2145	22.6 6	22.6 4
7A-66A- 66A	7	20 M	2110 0	253 5	1	49	3100	265 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	22.6 6	22.5 9
26A-41A	26	15 M	2686 5	831. 5	1	36	8865	876. 5	41	20 M	4062 0	2593	/	/	/	/	23.1 2	23.1 2
26A-66A	26	15 M	2686 5	831. 5	1	36	8865	876. 5	66	20 M	6678 6	2145	/	/	/	/	22.6 7	22.6 4
CA Combinati on	PCC								SCC1				SCC2				Power(dBm)	
	NR Ba nd	BW (MH z)	UL Ch.	UL Freq. (MH z)	R B Siz e	RB Offs et	DL Ch.	DL Freq. (MH z)	NR Ba nd	BW (MH z)	DL Ch.	DL Freq. (MH z)	NR Ba nd	BW (MH z)	DL Ch.	DL Freq. (MH z)	Singl e Carri er Tx Powe r	Tx Powe r with DL- CA Activ e
n5A-n7A	5	20 M	1678 00	839	1	53	1768 00	884	7	40 M	5310 00	2655	/	/	/	/	24.2 6	24.1 7
n5A-n78	5	20	1678	839	1	1	1768	884	78	100	6500	3750	/	/	/	/	24.2	24.2

A		M	00				00			M	00						6	5
n7A-n78	7	40	5070	253	1	214	5310	265	78	100	6500	3750	/	/	/	/	23.2	23.0
A		M	00	5			00	5		M	00						8	9
n26A-n7	26	20	1663	831.	1	104	1753	876.	78	100	6500	3750	/	/	/	/	24.3	24.2
8A		M	00	5			00	5		M	00						8	1
n66A-n7	66	40	3460	173	1	214	4260	213	78	100	6500	3750	/	/	/	/	23.2	23.0
8A		M	00	0			00	0		M	00						2	9

## EUT without Power Reduction (DSI2&amp;3)

## Power Measurements for Intra-Band Contiguous Downlink CA with Antenna

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2C	2	20M	18700	1860	1	49	700	1940	2	20M	898	1959.8	22.78	22.65
5B	5	10M	20525	836.5	1	25	2525	881.5	5	5M	2432	872.2	23.40	23.28
7C	7	20M	21100	2535	1	49	3100	2655	7	20M	3298	2674.8	22.66	22.54
7B	7	15M	21100	2535	1	36	3100	2655	7	5M	3193	2664.3	22.72	22.56
38C	38	20M	38000	2595	1	49	38000	2595	38	20M	2397	2575.2	23.38	23.31
41C	41	20M	41490	2680	1	99	41490	2680	41	20M	41292	2660.2	23.49	23.26
66B	66	15M	132047	1717.5	1	0	66511	2117.5	66	5M	66604	2126.8	23.38	23.25
66C	66	20M	132322	1745	1	0	66786	2145	66	20M	66588	2125.2	23.29	23.21

## Power Measurements for Intra-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
5A-5A	2	10M	20525	836.5	1	25	2525	881.5	5	1.4M	2643	893.3	23.40	23.19
41A-41A	41	20M	41490	2680	1	99	41490	2680	41	5M	39675	2498.5	23.49	23.42
66A-66A	66	20M	132322	1745	1	0	66786	2145	66	1.4M	67129	2179.3	23.29	23.07

## Power Measurements for Inter-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				SCC2				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-7C	2	20M	18700	1860	1	49	700	1940	7	20M	3100	2655	7	20M	3100	2655	22.78	22.75
2A-4A-7A	2	20M	18700	1860	1	49	700	1940	4	20M	2175	2132.5	7	20M	3100	2655	22.78	22.59
2A-5A-7A	2	20M	18700	1860	1	49	700	1940	5	10M	2525	881.5	7	20M	3100	2655	22.78	22.62



2A-5A-6 6A	2	20 M	1870 0	186 0	1 49	700	194 0	5	10 M	2525	881. 5	66	20 M	667 86	2145	22.7 8	22.7 5	
2A-4A-4 A	2	20 M	1870 0	186 0	1 49	700	194 0	4	20 M	2175	2132 .5	4	20 M	217 5	2132 .5	22.7 8	22.5 9	
2A-4A-5 A	2	20 M	1870 0	186 0	1 49	700	194 0	4	20 M	2175	2132 .5	5	10 M	252 5	881. 5	22.7 8	22.5 9	
2A-7A-2 6A	2	20 M	1870 0	186 0	1 49	700	194 0	7	20 M	3100	2655	26	15 M	886 5	876. 5	22.7 8	22.6 6	
2A-7A-6 6A	2	20 M	1870 0	186 0	1 49	700	194 0	7	20 M	3100	2655	66	20 M	667 86	2145	22.7 8	22.6 3	
2A-66A- 66A	2	20 M	1870 0	186 0	1 49	700	194 0	66	20 M	6678 6	2145	66	20 M	667 86	2145	22.7 8	22.6 1	
4A-7C	4	20 M	2005 0	172 0	1 99	2050	212 0	7	20 M	3100	2655	7	20 M	310 0	2655	23.1 8	22.9 8	
4A-4A-5 A	4	20 M	2005 0	172 0	1 99	2050	212 0	4	20 M	2175	2132 .5	5	10 M	252 5	881. 5	23.1 8	23.0 8	
4A-4A-7 A	4	20 M	2005 0	172 0	1 99	2050	212 0	4	20 M	2175	2132 .5	7	20 M	310 0	2655	23.1 8	23.1 1	
4A-7A-7 A	4	20 M	2005 0	172 0	1 99	2050	212 0	7	20 M	3100	2655	7	20 M	310 0	2655	23.1 8	23.1 1	
5A-38A	5	10 M	2052 5	836. 5	1 25	2525	881. 5	38	20 M	3800 0	2595	/	/	/	/	23.4 0	23.3 4	
5A-41A	5	10 M	2052 5	836. 5	1 25	2525	881. 5	41	20 M	4062 0	2593	/	/	/	/	23.4 0	23.2 7	
5A-7C	5	10 M	2052 5	836. 5	1 25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.2 5	
5A-7A-7 A	5	10 M	2052 5	836. 5	1 25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.1 9	
5A-7A-6 6A	5	10 M	2052 5	836. 5	1 25	2525	881. 5	7	20 M	3100	2655	66	20 M	667 86	2145	23.4 0	23.3 5	
5A-66C	5	10 M	2052 5	836. 5	1 25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9	
5A-66A- 66A	5	10 M	2052 5	836. 5	1 25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9	
7A-66A	7	20 M	2110 0	253 5	1 49	3100	265 5	66	20 M	6678 6	2145	/	/	/	/	22.6 6	22.6 1	
7A-7A-6 6A	7	20 M	2110 0	253 5	1 49	3100	265 5	7	20 M	3100	2655	66	20 M	667 86	2145	22.6 6	22.6 4	
7A-66A- 66A	7	20 M	2110 0	253 5	1 49	3100	265 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	22.6 6	22.5 9	
26A-41A	26	15 M	2686 5	831. 5	1 36	8865	876. 5	41	20 M	4062 0	2593	/	/	/	/	23.1 2	23.1 2	
26A-66A	26	15	2686	831.	1	36	8865	876.	66	20	6678	2145	/	/	/	/	22.6	22.6

CA Combinati on	M	5	5				5		M	6					7	4		
	PCC								SCC1				SCC2				Power(dBm)	
	NR Ba nd	BW (MHz)	UL Ch.	UL Freq. (MHz)	R B Siz e	RB Offs et	DL Ch.	DL Freq. (MHz)	NR Ba nd	BW (MHz)	DL Ch.	DL Freq. (MHz)	NR Ba nd	BW (MHz)	DL Ch.	DL Freq. (MHz)	Singl e Carri er Tx Powe r	Tx Powe r with DL- CA Activ e
n5A-n7A	5	20 M	1678 00	839	1	53	1768 00	884	7	40 M	5310 00	2655	/	/	/	/	24.2 6	24.1 7
n5A-n78 A	5	20 M	1678 00	839	1	1	1768 00	884	78	100 M	6500 00	3750	/	/	/	/	24.2 6	24.2 5
n7A-n78 A	7	40 M	5070 00	253 5	1	214	5310 00	265 5	78	100 M	6500 00	3750	/	/	/	/	23.2 8	23.0 9
n26A-n7 8A	26	20 M	1663 00	831. 5	1	104	1753 00	876. 5	78	100 M	6500 00	3750	/	/	/	/	24.3 8	24.2 1
n66A-n7 8A	66	40 M	3460 00	173 0	1	214	4260 00	213 0	78	100 M	6500 00	3750	/	/	/	/	23.2 2	23.0 9

## EUT without Power Reduction(DSI4&amp;5)

## Power Measurements for Intra-Band Contiguous Downlink CA with Antenna

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2C	2	20M	18700	1860	1	0	700	1940	2	20M	898	1959.8	21.19	21.01
5B	5	10M	20525	836.5	1	25	2525	881.5	5	5M	2432	872.2	23.40	23.28
7C	7	20M	21350	2560	1	99	3350	2680	7	20M	3152	2660.2	20.67	20.57
7B	7	15M	21100	2535	1	36	3100	2655	7	5M	3193	2664.3	20.74	20.57
38C	38	20M	38000	2595	1	49	38000	2595	38	20M	2397	2575.2	23.38	23.31
41C	41	20M	41490	2680	1	99	41490	2680	41	20M	41292	2660.2	23.49	23.26
66B	66	15M	132047	1717.5	1	0	66511	2117.5	66	5M	66604	2126.8	23.38	23.38
66C	66	20M	132322	1745	1	0	66786	2145	66	20M	66588	2125.2	23.29	23.15

## Power Measurements for Intra-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
5A-5A	2	10M	20525	836.5	1	25	2525	881.5	5	1.4M	2643	893.3	23.40	23.19
41A-41A	41	20M	41490	2680	1	99	41490	2680	41	5M	39675	2498.5	23.49	23.42
66A-66A	66	20M	132322	1745	1	0	66786	2145	66	1.4M	67129	2179.3	20.17	20.06

## Power Measurements for Inter-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				SCC2				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-7C	2	20M	18700	1860	1	0	700	1940	7	20M	3100	2655	7	20M	3100	2655	21.19	21.05
2A-4A-7A	2	20M	18700	1860	1	0	700	1940	4	20M	2175	2132.5	7	20M	3100	2655	21.19	21.19

2A-5A-7 A	2	20 M	1870 0	1860	1	0	700	194 0	5	10 M	2525	881. 5	7	20 M	310 0	2655	21.1 9	21.1 1
2A-5A-6 6A	2	20 M	1870 0	1860	1	0	700	194 0	5	10 M	2525	881. 5	66	20 M	667 86	2145	21.1 9	21.0 5
2A-4A-4 A	2	20 M	1870 0	1860	1	0	700	194 0	4	20 M	2175	2132 .5	4	20 M	217 5	2132 .5	21.1 9	21.0 9
2A-4A-5 A	2	20 M	1870 0	1860	1	0	700	194 0	4	20 M	2175	2132 .5	5	10 M	252 5	881. 5	21.1 9	21.0 5
2A-7A-2 6A	2	20 M	1870 0	1860	1	0	700	194 0	7	20 M	3100	2655	26	15 M	886 5	876. 5	21.1 9	21.1 7
2A-7A-6 6A	2	20 M	1870 0	1860	1	0	700	194 0	7	20 M	3100	2655	66	20 M	667 86	2145	21.1 9	21.0 5
2A-66A- 66A	2	20 M	1870 0	1860	1	0	700	194 0	66	20 M	6678 6	2145	66	20 M	667 86	2145	21.1 9	21.0 5
4A-7C	4	20 M	2017 5	1732 .5	1	49	2050	212 0	7	20 M	3100	2655	7	20 M	310 0	2655	20.1 8	20.0 4
4A-4A-5 A	4	20 M	2017 5	1732 .5	1	49	2050	212 0	4	20 M	2175	2132 .5	5	10 M	252 5	881. 5	20.1 8	20.1 3
4A-4A-7 A	4	20 M	2017 5	1732 .5	1	49	2050	212 0	4	20 M	2175	2132 .5	7	20 M	310 0	2655	20.1 8	20.0 7
4A-7A-7 A	4	20 M	2017 5	1732 .5	1	49	2050	212 0	7	20 M	3100	2655	7	20 M	310 0	2655	20.1 8	20.0 8
5A-38A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	38	20 M	3800 0	2595	/	/	/	/	23.4 0	23.3 4
5A-41A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	41	20 M	4062 0	2593	/	/	/	/	23.4 0	23.2 7
5A-7C	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.2 5
5A-7A-7 A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.1 9
5A-7A-6 6A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	66	20 M	667 86	2145	23.4 0	23.3 5
5A-66C	5	10 M	2052 5	836. 5	1	25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9
5A-66A- 66A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9
7A-66A	7	20 M	2135 0	2560	1	99	3350	268 0	66	20 M	6678 6	2145	/	/	/	/	20.6 7	20.6 6
7A-7A-6 6A	7	20 M	2135 0	2560	1	99	3350	268 0	7	20 M	3100	2655	66	20 M	667 86	2145	20.6 7	20.5 6
7A-66A- 66A	7	20 M	2135 0	2560	1	99	3350	268 0	66	20 M	6678 6	2145	66	20 M	667 86	2145	20.6 7	20.5 1
26A-41A	26	15	2686	831.	1	36	8865	876.	41	20	4062	2593	/	/	/	/	23.1	23.1

		M	5	5				5		M	0					2	2	
26A-66A	26	15 M	2686 5	831. 5	1	36	8865	876. 5	66	20 M	6678 6	2145	/	/	/	/	22.6 7	22.6 4
CA Combinati on	PCC								SCC1				SCC2				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	R B Size	RB Offset	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Singl e Carri er Tx Powe r	Tx Powe r with DL- CA Activ e
n5A-n7A	5	20 M	1678 00	839	1	53	1768 00	884	7	40 M	5310 00	2655	/	/	/	/	24.2 6	24.1 7
n5A-n78 A	5	20 M	1678 00	839	1	1	1768 00	884	78	100 M	6500 00	3750	/	/	/	/	24.2 6	24.2 5
n7A-n78 A	7	40 M	5100 00	2550	1	108	5340 00	267 0	78	100 M	6500 00	3750	/	/	/	/	21.9 2	21.8 4
n26A-n7 8A	26	20 M	1663 00	831. 5	1	104	1753 00	876. 5	78	100 M	6500 00	3750	/	/	/	/	24.3 8	24.2 1
n66A-n7 8A	66	40 M	3490 00	1745	1	1	4290 00	214 5	78	100 M	6500 00	3750	/	/	/	/	20.8 5	20.7 2

## EUT without Power Reduction(DSI8&amp;9&amp;10)

## Power Measurements for Intra-Band Contiguous Downlink CA with Antenna

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2C	2	20M	18700	1860	1	49	700	1940	2	20M	898	1959.8	18.75	18.58
5B	5	10M	20525	836.5	1	25	2525	881.5	5	5M	2432	872.2	23.40	23.28
7C	7	20M	21350	2560	1	99	3350	2680	7	20M	3152	2660.2	20.67	20.57
7B	7	15M	21100	2535	1	36	3100	2655	7	5M	3193	2664.3	20.74	20.57
38C	38	20M	38000	2595	1	49	38000	2595	38	20M	2397	2575.2	23.38	23.31
41C	41	20M	41490	2680	1	99	41490	2680	41	20M	41292	2660.2	23.49	23.26
66B	66	15M	132047	1717.5	1	0	66511	2117.5	66	5M	66604	2126.8	23.38	23.36
66C	66	20M	132322	1745	1	0	66786	2145	66	20M	66588	2125.2	23.29	23.14

## Power Measurements for Intra-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
5A-5A	2	10M	20525	836.5	1	25	2525	881.5	5	1.4M	2643	893.3	23.40	23.19
41A-41A	41	20M	41490	2680	1	99	41490	2680	41	5M	39675	2498.5	23.49	23.42
66A-66A	66	20M	132322	1745	1	99	66786	2145	66	1.4M	67129	2179.3	19.17	19.10

## Power Measurements for Inter-Band Non-Contiguous Downlink CA

CA Combination	PCC								SCC1				SCC2				Power(dBm)	
	LTE Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	RB Size	RB Offset	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	LTE Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Single Carrier Tx Power	Tx Power with DL-CA Active
2A-7C	2	20M	18700	1860	1	49	700	1940	7	20M	3100	2655	7	20M	3100	2655	18.75	18.75
2A-4A-7A	2	20M	18700	1860	1	49	700	1940	4	20M	2175	2132.5	7	20M	3100	2655	18.75	18.62

2A-5A-7 A	2	20 M	1870 0	186 0	1	49	700	194 0	5	10 M	2525	881. 5	7	20 M	310 0	2655	18.7 5	18.6 4
2A-5A-6 6A	2	20 M	1870 0	186 0	1	49	700	194 0	5	10 M	2525	881. 5	66	20 M	667 86	2145	18.7 5	18.7 5
2A-4A-4 A	2	20 M	1870 0	186 0	1	49	700	194 0	4	20 M	2175	2132 .5	4	20 M	217 5	2132 .5	18.7 5	18.6 8
2A-4A-5 A	2	20 M	1870 0	186 0	1	49	700	194 0	4	20 M	2175	2132 .5	5	10 M	252 5	881. 5	18.7 5	18.7 3
2A-7A-2 6A	2	20 M	1870 0	186 0	1	49	700	194 0	7	20 M	3100	2655	26	15 M	886 5	876. 5	18.7 5	18.6 6
2A-7A-6 6A	2	20 M	1870 0	186 0	1	49	700	194 0	7	20 M	3100	2655	66	20 M	667 86	2145	18.7 5	18.6 3
2A-66A- 66A	2	20 M	1870 0	186 0	1	49	700	194 0	66	20 M	6678 6	2145	66	20 M	667 86	2145	18.7 5	18.7 0
4A-7C	4	20 M	2030 0	174 5	1	99	2050	212 0	7	20 M	3100	2655	7	20 M	310 0	2655	19.2 8	19.1 3
4A-4A-5 A	4	20 M	2030 0	174 5	1	99	2050	212 0	4	20 M	2175	2132 .5	5	10 M	252 5	881. 5	19.2 8	19.1 1
4A-4A-7 A	4	20 M	2030 0	174 5	1	99	2050	212 0	4	20 M	2175	2132 .5	7	20 M	310 0	2655	19.2 8	19.2 0
4A-7A-7 A	4	20 M	2030 0	174 5	1	99	2050	212 0	7	20 M	3100	2655	7	20 M	310 0	2655	19.2 8	19.1 7
5A-38A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	38	20 M	3800 0	2595	/	/	/	/	23.4 0	23.3 4
5A-41A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	41	20 M	4062 0	2593	/	/	/	/	23.4 0	23.2 7
5A-7C	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.2 5
5A-7A-7 A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	7	20 M	310 0	2655	23.4 0	23.1 9
5A-7A-6 6A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	7	20 M	3100	2655	66	20 M	667 86	2145	23.4 0	23.3 5
5A-66C	5	10 M	2052 5	836. 5	1	25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9
5A-66A- 66A	5	10 M	2052 5	836. 5	1	25	2525	881. 5	66	20 M	6678 6	2145	66	20 M	667 86	2145	23.4 0	23.3 9
7A-66A	7	20 M	2135 0	256 0	1	99	3350	268 0	66	20 M	6678 6	2145	/	/	/	/	20.6 7	20.6 6
7A-7A-6 6A	7	20 M	2135 0	256 0	1	99	3350	268 0	7	20 M	3100	2655	66	20 M	667 86	2145	20.6 7	20.5 6
7A-66A- 66A	7	20 M	2135 0	256 0	1	99	3350	268 0	66	20 M	6678 6	2145	66	20 M	667 86	2145	20.6 7	20.5 1
26A-41A	26	15	2686	831.	1	36	8865	876.	41	20	4062	2593	/	/	/	/	23.1	23.1

		M	5	5				5		M	0					2	2	
26A-66A	26	15 M	2686 5	831. 5	1	36	8865	876. 5	66	20 M	6678 6	2145	/	/	/	/	22.6 7	22.6 4
CA Combinati on	PCC								SCC1				SCC2				Power(dBm)	
	NR Band	BW (MHz)	UL Ch.	UL Freq. (MHz)	R B Siz e	RB Offs et	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	NR Band	BW (MHz)	DL Ch.	DL Freq. (MHz)	Singl e Carri er Tx Powe r	Tx Powe r with DL- CA Activ e
n5A-n7A	5	20 M	1678 00	839	1	53	1768 00	884	7	40 M	5310 00	2655	/	/	/	/	24.2 6	24.1 7
n5A-n78 A	5	20 M	1678 00	839	1	1	1768 00	884	78	100 M	6500 00	3750	/	/	/	/	24.2 6	24.2 5
n7A-n78 A	7	40 M	5100 00	255 0	1	108	5340 00	267 0	78	100 M	6500 00	3750	/	/	/	/	21.9 2	21.8 4
n26A-n7 8A	26	20 M	1663 00	831. 5	1	104	1753 00	876. 5	78	100 M	6500 00	3750	/	/	/	/	24.3 8	24.2 1
n66A-n7 8A	66	40 M	3490 00	174 5	1	1	4290 00	214 5	78	100 M	6500 00	3750	/	/	/	/	20.0 6	19.9 4



**Summary for SAR Test Exclusion for Downlink CA**

Per power confirmation results in above, the uplink maximum output power with downlink CA active remains within the specified tune-up tolerance and not more than 0.25 dB higher than the maximum output power with downlink CA inactive. According to KDB 941225 D05A, the SAR test exclusion applies to LTE downlink CA operation.

## 8.6.1 NR Band2 Output Power

## N2-ANT13 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.30	23.30	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.10	23.13	23.17	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.23	23.26	22.79	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.37	23.36	23.06	24.50
		1	53	23.00	23.13	23.26	24.50
		1	104	23.30	23.21	23.28	24.50
	DFT-s-OFDM BPSK	50	0	23.42	22.94	23.32	24.50
		50	28	23.33	23.26	23.15	24.50
		50	56	22.91	23.14	23.10	24.50
	DFT-s-OFDM BPSK	100	0	22.10	21.98	22.17	23.50
	DFT-s-OFDM QPSK	1	1	23.29	23.21	22.98	24.50
		1	53	23.15	23.16	23.21	24.50
		1	104	23.18	23.24	23.24	24.50
	DFT-s-OFDM QPSK	50	0	23.35	23.04	23.27	24.50
		50	28	23.31	23.16	23.25	24.50
		50	56	23.00	23.05	23.17	24.50
	DFT-s-OFDM QPSK	100	0	22.08	22.13	22.25	23.50
	DFT-s-OFDM 16QAM	1	1	22.12	22.28	22.22	23.50
	DFT-s-OFDM 64QAM	1	1	21.02	20.83	20.63	22.00
	DFT-s-OFDM 256QAM	1	1	18.80	18.80	18.86	20.00
CP-OFDM QPSK	1	1	21.74	21.66	21.66	23.00	
CP-OFDM 16QAM	1	1	20.76	20.84	20.76	22.50	
CP-OFDM 64QAM	1	1	19.79	19.79	19.71	21.00	
CP-OFDM 256QAM	1	1	16.68	16.63	16.67	18.00	

## N2-ANT13 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	17.57	17.25	17.29	18.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	17.60	17.27	17.44	18.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	17.34	17.50	17.38	18.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	17.44	17.27	17.29	18.00
		1	53	17.39	17.19	17.27	18.00
		1	104	17.10	17.37	17.27	18.00
	DFT-s-OFDM BPSK	50	0	17.20	17.44	17.61	18.00
		50	28	17.00	17.35	17.07	18.00
		50	56	17.45	17.28	17.32	18.00
	DFT-s-OFDM BPSK	100	0	17.42	17.29	17.40	18.00
	DFT-s-OFDM QPSK	1	1	17.47	17.39	17.25	18.00
		1	53	17.47	17.33	17.14	18.00
		1	104	17.18	17.31	17.36	18.00
	DFT-s-OFDM QPSK	50	0	17.26	17.35	17.48	18.00
		50	28	17.09	17.29	17.10	18.00
		50	56	17.36	17.13	17.24	18.00
	DFT-s-OFDM QPSK	100	0	17.45	17.32	17.45	18.00
	DFT-s-OFDM 16QAM	1	1	17.47	17.47	17.33	18.00
	DFT-s-OFDM 64QAM	1	1	17.38	17.42	17.58	18.00
	DFT-s-OFDM 256QAM	1	1	17.37	17.49	17.61	18.00
	CP-OFDM QPSK	1	1	17.33	17.25	17.05	18.00
CP-OFDM 16QAM	1	1	16.76	16.94	16.80	18.00	
CP-OFDM 64QAM	1	1	17.40	17.30	17.44	18.00	
CP-OFDM 256QAM	1	1	16.69	16.70	16.66	18.00	

## N2-ANT13 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.30	23.30	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.10	23.13	23.17	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.23	23.26	22.79	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.37	23.36	23.06	24.50
		1	53	23.00	23.13	23.26	24.50
		1	104	23.30	23.21	23.28	24.50
	DFT-s-OFDM BPSK	50	0	23.42	22.94	23.32	24.50
		50	28	23.33	23.26	23.15	24.50
		50	56	22.91	23.14	23.10	24.50
	DFT-s-OFDM BPSK	100	0	22.10	21.98	22.17	23.50
	DFT-s-OFDM QPSK	1	1	23.29	23.21	22.98	24.50
		1	53	23.15	23.16	23.21	24.50
		1	104	23.18	23.24	23.24	24.50
	DFT-s-OFDM QPSK	50	0	23.35	23.04	23.27	24.50
		50	28	23.31	23.16	23.25	24.50
		50	56	23.00	23.05	23.17	24.50
	DFT-s-OFDM QPSK	100	0	22.08	22.13	22.25	23.50
	DFT-s-OFDM 16QAM	1	1	22.12	22.28	22.22	23.50
	DFT-s-OFDM 64QAM	1	1	21.02	20.83	20.63	22.00
	DFT-s-OFDM 256QAM	1	1	18.80	18.80	18.86	20.00
	CP-OFDM QPSK	1	1	21.74	21.66	21.66	23.00
CP-OFDM 16QAM	1	1	20.76	20.84	20.76	22.50	
CP-OFDM 64QAM	1	1	19.79	19.79	19.71	21.00	
CP-OFDM 256QAM	1	1	16.68	16.63	16.67	18.00	

## N2-ANT13 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	20.17	20.15	20.09	21.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	20.33	20.47	20.10	21.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	20.11	20.27	20.42	21.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	20.33	20.39	20.34	21.00
		1	53	20.52	20.24	20.16	21.00
		1	104	20.32	20.30	20.27	21.00
	DFT-s-OFDM BPSK	50	0	20.41	20.01	20.18	21.00
		50	28	20.23	20.17	20.03	21.00
		50	56	20.01	20.10	20.44	21.00
	DFT-s-OFDM BPSK	100	0	20.29	20.29	19.91	21.00
	DFT-s-OFDM QPSK	1	1	20.28	20.31	20.25	21.00
		1	53	20.37	20.19	20.28	21.00
		1	104	20.39	20.15	20.36	21.00
	DFT-s-OFDM QPSK	50	0	20.33	20.12	20.18	21.00
		50	28	20.17	20.21	20.09	21.00
		50	56	20.13	20.06	20.35	21.00
	DFT-s-OFDM QPSK	100	0	20.36	20.18	20.00	21.00
	DFT-s-OFDM 16QAM	1	1	20.36	20.28	20.21	21.00
	DFT-s-OFDM 64QAM	1	1	20.12	20.25	20.15	21.00
	DFT-s-OFDM 256QAM	1	1	18.90	18.91	18.77	20.00
CP-OFDM QPSK	1	1	20.25	20.19	20.12	21.00	
CP-OFDM 16QAM	1	1	19.73	19.80	19.60	21.00	
CP-OFDM 64QAM	1	1	19.89	19.72	19.78	21.00	
CP-OFDM 256QAM	1	1	16.73	16.72	16.71	18.00	

## N2-ANT13 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	19.51	19.26	19.62	20.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	19.35	19.25	19.59	20.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	19.51	19.23	19.33	20.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	19.40	19.44	19.49	20.50
		1	53	19.41	19.54	19.31	20.50
		1	104	19.55	19.43	19.63	20.50
	DFT-s-OFDM BPSK	50	0	19.29	19.40	19.16	20.50
		50	28	19.29	19.51	19.09	20.50
		50	56	19.23	19.26	19.45	20.50
	DFT-s-OFDM BPSK	100	0	19.44	19.37	19.45	20.50
	DFT-s-OFDM QPSK	1	1	19.53	19.41	19.48	20.50
		1	53	19.45	19.42	19.42	20.50
		1	104	19.42	19.36	19.48	20.50
	DFT-s-OFDM QPSK	50	0	19.27	19.38	19.25	20.50
		50	28	19.26	19.36	19.16	20.50
		50	56	19.30	19.35	19.33	20.50
	DFT-s-OFDM QPSK	100	0	19.32	19.31	19.48	20.50
	DFT-s-OFDM 16QAM	1	1	19.46	19.49	19.38	20.50
	DFT-s-OFDM 64QAM	1	1	19.57	19.52	19.51	20.50
	DFT-s-OFDM 256QAM	1	1	19.06	19.02	19.13	20.00
CP-OFDM QPSK	1	1	19.33	19.26	19.14	20.50	
CP-OFDM 16QAM	1	1	18.83	18.95	18.80	20.50	
CP-OFDM 64QAM	1	1	19.29	19.42	19.51	20.50	
CP-OFDM 256QAM	1	1	16.85	16.83	16.94	18.00	

## 8.6.1 NR Band2 Output Power

## N2-ANT13 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.30	23.30	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.10	23.13	23.17	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.23	23.26	22.79	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.37	23.36	23.06	24.50
		1	53	23.00	23.13	23.26	24.50
		1	104	23.30	23.21	23.28	24.50
	DFT-s-OFDM BPSK	50	0	23.42	22.94	23.32	24.50
		50	28	23.33	23.26	23.15	24.50
		50	56	22.91	23.14	23.10	24.50
	DFT-s-OFDM BPSK	100	0	22.10	21.98	22.17	23.50
	DFT-s-OFDM QPSK	1	1	23.29	23.21	22.98	24.50
		1	53	23.15	23.16	23.21	24.50
		1	104	23.18	23.24	23.24	24.50
	DFT-s-OFDM QPSK	50	0	23.35	23.04	23.27	24.50
		50	28	23.31	23.16	23.25	24.50
		50	56	23.00	23.05	23.17	24.50
	DFT-s-OFDM QPSK	100	0	22.08	22.13	22.25	23.50
	DFT-s-OFDM 16QAM	1	1	22.12	22.28	22.22	23.50
	DFT-s-OFDM 64QAM	1	1	21.02	20.83	20.63	22.00
	DFT-s-OFDM 256QAM	1	1	18.80	18.80	18.86	20.00
CP-OFDM QPSK	1	1	21.74	21.66	21.66	23.00	
CP-OFDM 16QAM	1	1	20.76	20.84	20.76	22.50	
CP-OFDM 64QAM	1	1	19.79	19.79	19.71	21.00	
CP-OFDM 256QAM	1	1	16.68	16.63	16.67	18.00	

## N2-ANT13 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	14.90	14.89	14.90	15.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	15.02	14.96	15.05	15.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	14.96	15.02	14.96	15.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	15.07	14.97	14.97	15.50
		1	53	14.92	14.66	14.79	15.50
		1	104	14.86	14.70	14.65	15.50
	DFT-s-OFDM BPSK	50	0	14.86	14.85	14.93	15.50
		50	28	14.81	14.64	14.69	15.50
		50	56	14.77	14.55	14.84	15.50
	DFT-s-OFDM BPSK	100	0	14.94	14.76	14.77	15.50
	DFT-s-OFDM QPSK	1	1	14.97	14.83	14.92	15.50
		1	53	14.90	14.78	14.92	15.50
		1	104	14.74	14.73	14.75	15.50
	DFT-s-OFDM QPSK	50	0	14.86	14.72	14.89	15.50
		50	28	14.71	14.79	14.67	15.50
		50	56	14.64	14.66	14.99	15.50
	DFT-s-OFDM QPSK	100	0	14.88	14.75	14.66	15.50
	DFT-s-OFDM 16QAM	1	1	15.09	15.00	15.05	15.50
	DFT-s-OFDM 64QAM	1	1	14.88	14.93	14.91	15.50
	DFT-s-OFDM 256QAM	1	1	15.07	15.00	14.80	15.50
CP-OFDM QPSK	1	1	14.75	14.82	14.90	15.50	
CP-OFDM 16QAM	1	1	14.51	14.60	14.72	15.50	
CP-OFDM 64QAM	1	1	14.95	14.89	14.86	15.50	
CP-OFDM 256QAM	1	1	14.63	14.83	14.88	15.50	



## N2-ANT13 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.30	23.30	22.95	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.10	23.13	23.17	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.23	23.26	22.79	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.37	23.36	23.06	24.50
		1	53	23.00	23.13	23.26	24.50
		1	104	23.30	23.21	23.28	24.50
	DFT-s-OFDM BPSK	50	0	23.42	22.94	23.32	24.50
		50	28	23.33	23.26	23.15	24.50
		50	56	22.91	23.14	23.10	24.50
	DFT-s-OFDM BPSK	100	0	22.10	21.98	22.17	23.50
	DFT-s-OFDM QPSK	1	1	23.29	23.21	22.98	24.50
		1	53	23.15	23.16	23.21	24.50
		1	104	23.18	23.24	23.24	24.50
	DFT-s-OFDM QPSK	50	0	23.35	23.04	23.27	24.50
		50	28	23.31	23.16	23.25	24.50
		50	56	23.00	23.05	23.17	24.50
	DFT-s-OFDM QPSK	100	0	22.08	22.13	22.25	23.50
	DFT-s-OFDM 16QAM	1	1	22.12	22.28	22.22	23.50
	DFT-s-OFDM 64QAM	1	1	21.02	20.83	20.63	22.00
	DFT-s-OFDM 256QAM	1	1	18.80	18.80	18.86	20.00
	CP-OFDM QPSK	1	1	21.74	21.66	21.66	23.00
CP-OFDM 16QAM	1	1	20.76	20.84	20.76	22.50	
CP-OFDM 64QAM	1	1	19.79	19.79	19.71	21.00	
CP-OFDM 256QAM	1	1	16.68	16.63	16.67	18.00	

## N2-ANT13 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	17.81	17.79	18.16	18.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	17.69	17.75	18.17	18.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	18.01	17.81	18.03	18.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	17.75	17.84	18.12	18.50
		1	53	17.89	17.80	17.77	18.50
		1	104	17.65	17.81	17.64	18.50
	DFT-s-OFDM BPSK	50	0	17.45	17.90	18.03	18.50
		50	28	17.66	17.75	17.67	18.50
		50	56	17.90	17.86	17.70	18.50
	DFT-s-OFDM BPSK	100	0	17.91	17.54	17.71	18.50
	DFT-s-OFDM QPSK	1	1	17.83	17.83	17.98	18.50
		1	53	17.94	17.81	17.66	18.50
		1	104	17.74	17.76	17.65	18.50
	DFT-s-OFDM QPSK	50	0	17.60	17.95	17.91	18.50
		50	28	17.74	17.79	17.65	18.50
		50	56	17.91	17.88	17.69	18.50
	DFT-s-OFDM QPSK	100	0	17.80	17.69	17.78	18.50
	DFT-s-OFDM 16QAM	1	1	18.00	17.91	17.89	18.50
	DFT-s-OFDM 64QAM	1	1	17.90	17.88	17.79	18.50
	DFT-s-OFDM 256QAM	1	1	17.95	17.92	18.05	18.50
CP-OFDM QPSK	1	1	17.72	17.74	17.79	18.50	
CP-OFDM 16QAM	1	1	17.77	17.59	17.43	18.50	
CP-OFDM 64QAM	1	1	17.77	17.80	17.75	18.50	
CP-OFDM 256QAM	1	1	16.60	16.73	16.75	18.00	

## N2-ANT13 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	17.57	17.25	17.29	18.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	17.60	17.27	17.44	18.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	17.34	17.50	17.38	18.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	17.44	17.27	17.29	18.00
		1	53	17.39	17.19	17.27	18.00
		1	104	17.10	17.37	17.27	18.00
	DFT-s-OFDM BPSK	50	0	17.20	17.44	17.61	18.00
		50	28	17.00	17.35	17.07	18.00
		50	56	17.45	17.28	17.32	18.00
	DFT-s-OFDM BPSK	100	0	17.42	17.29	17.40	18.00
	DFT-s-OFDM QPSK	1	1	17.47	17.39	17.25	18.00
		1	53	17.47	17.33	17.14	18.00
		1	104	17.18	17.31	17.36	18.00
	DFT-s-OFDM QPSK	50	0	17.26	17.35	17.48	18.00
		50	28	17.09	17.29	17.10	18.00
		50	56	17.36	17.13	17.24	18.00
	DFT-s-OFDM QPSK	100	0	17.45	17.32	17.45	18.00
	DFT-s-OFDM 16QAM	1	1	17.47	17.47	17.33	18.00
	DFT-s-OFDM 64QAM	1	1	17.38	17.42	17.58	18.00
	DFT-s-OFDM 256QAM	1	1	17.37	17.49	17.61	18.00
	CP-OFDM QPSK	1	1	17.33	17.25	17.05	18.00
CP-OFDM 16QAM	1	1	16.76	16.94	16.80	18.00	
CP-OFDM 64QAM	1	1	17.40	17.30	17.44	18.00	
CP-OFDM 256QAM	1	1	16.69	16.70	16.66	18.00	

## 8.6.1 NR Band2 Output Power

## N2-ANT31 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.36	23.41	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.16	23.26	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.17	23.19	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.36	23.28	23.25	24.50
		1	53	23.30	23.40	23.36	24.50
		1	104	23.14	23.17	23.39	24.50
	DFT-s-OFDM BPSK	50	0	23.25	22.64	23.34	24.50
		50	28	23.30	23.32	23.50	24.50
		50	56	23.34	22.70	23.24	24.50
	DFT-s-OFDM BPSK	100	0	22.15	22.20	22.27	23.50
	DFT-s-OFDM QPSK	1	1	23.25	23.32	23.15	24.50
		1	53	23.21	23.34	23.27	24.50
		1	104	23.21	23.31	23.30	24.50
	DFT-s-OFDM QPSK	50	0	23.38	22.68	23.26	24.50
		50	28	23.30	23.20	23.39	24.50
		50	56	23.30	22.78	23.23	24.50
	DFT-s-OFDM QPSK	100	0	22.20	22.26	22.41	23.50
	DFT-s-OFDM 16QAM	1	1	22.49	22.47	22.50	23.50
	DFT-s-OFDM 64QAM	1	1	20.79	20.84	20.77	22.00
	DFT-s-OFDM 256QAM	1	1	18.67	18.83	18.82	20.00
CP-OFDM QPSK	1	1	22.15	21.98	22.17	23.00	
CP-OFDM 16QAM	1	1	20.90	21.06	21.05	22.50	
CP-OFDM 64QAM	1	1	19.95	19.96	19.89	21.00	
CP-OFDM 256QAM	1	1	16.73	16.74	16.63	18.00	

## N2-ANT31 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.36	23.41	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.16	23.26	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.17	23.19	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.36	23.28	23.25	24.50
		1	53	23.30	23.40	23.36	24.50
		1	104	23.14	23.17	23.39	24.50
	DFT-s-OFDM BPSK	50	0	23.25	22.64	23.34	24.50
		50	28	23.30	23.32	23.50	24.50
		50	56	23.34	22.70	23.24	24.50
	DFT-s-OFDM BPSK	100	0	22.15	22.20	22.27	23.50
	DFT-s-OFDM QPSK	1	1	23.25	23.32	23.15	24.50
		1	53	23.21	23.34	23.27	24.50
		1	104	23.21	23.31	23.30	24.50
	DFT-s-OFDM QPSK	50	0	23.38	22.68	23.26	24.50
		50	28	23.30	23.20	23.39	24.50
		50	56	23.30	22.78	23.23	24.50
	DFT-s-OFDM QPSK	100	0	22.20	22.26	22.41	23.50
	DFT-s-OFDM 16QAM	1	1	22.49	22.47	22.50	23.50
	DFT-s-OFDM 64QAM	1	1	20.79	20.84	20.77	22.00
	DFT-s-OFDM 256QAM	1	1	18.67	18.83	18.82	20.00
CP-OFDM QPSK	1	1	22.15	21.98	22.17	23.00	
CP-OFDM 16QAM	1	1	20.90	21.06	21.05	22.50	
CP-OFDM 64QAM	1	1	19.95	19.96	19.89	21.00	
CP-OFDM 256QAM	1	1	16.73	16.74	16.63	18.00	

## N2-ANT31 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.38	22.22	22.12	23.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.32	22.17	22.40	23.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.13	22.30	22.31	23.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.17	22.29	22.21	23.00
		1	53	22.13	22.22	22.24	23.00
		1	104	22.15	22.26	22.03	23.00
	DFT-s-OFDM BPSK	50	0	22.09	22.35	22.02	23.00
		50	28	22.29	22.37	22.25	23.00
		50	56	22.37	22.07	22.00	23.00
	DFT-s-OFDM BPSK	100	0	22.18	22.32	22.02	23.00
	DFT-s-OFDM QPSK	1	1	22.31	22.34	22.30	23.00
		1	53	22.24	22.27	22.28	23.00
		1	104	22.16	22.22	22.14	23.00
	DFT-s-OFDM QPSK	50	0	22.14	22.26	22.10	23.00
		50	28	22.34	22.26	22.29	23.00
		50	56	22.30	22.14	22.15	23.00
	DFT-s-OFDM QPSK	100	0	22.18	22.27	22.07	23.00
	DFT-s-OFDM 16QAM	1	1	22.23	22.37	22.45	23.00
	DFT-s-OFDM 64QAM	1	1	20.76	20.83	20.71	22.00
	DFT-s-OFDM 256QAM	1	1	18.90	18.81	18.79	20.00
	CP-OFDM QPSK	1	1	21.54	21.68	21.65	23.00
CP-OFDM 16QAM	1	1	20.96	20.84	20.82	22.50	
CP-OFDM 64QAM	1	1	19.94	19.79	19.81	21.00	
CP-OFDM 256QAM	1	1	16.70	16.68	16.75	18.00	

## N2-ANT31 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	20.82	20.68	20.86	21.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	20.76	20.77	20.86	21.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	20.65	20.82	20.75	21.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	20.79	20.70	20.58	21.50
		1	53	20.78	20.60	20.72	21.50
		1	104	20.76	20.78	20.67	21.50
	DFT-s-OFDM BPSK	50	0	21.19	20.80	21.17	21.50
		50	28	20.91	20.99	20.91	21.50
		50	56	20.94	20.71	20.69	21.50
	DFT-s-OFDM BPSK	100	0	21.01	20.90	20.54	21.50
	DFT-s-OFDM QPSK	1	1	20.81	20.83	20.68	21.50
		1	53	20.72	20.73	20.70	21.50
		1	104	20.62	20.74	20.70	21.50
	DFT-s-OFDM QPSK	50	0	21.11	20.90	21.06	21.50
		50	28	20.94	20.91	20.90	21.50
		50	56	20.85	20.84	20.74	21.50
	DFT-s-OFDM QPSK	100	0	20.97	20.81	20.66	21.50
	DFT-s-OFDM 16QAM	1	1	21.09	20.98	21.02	21.50
	DFT-s-OFDM 64QAM	1	1	21.02	20.91	20.83	21.50
	DFT-s-OFDM 256QAM	1	1	19.06	18.96	18.89	20.00
CP-OFDM QPSK	1	1	20.84	20.82	20.85	21.50	
CP-OFDM 16QAM	1	1	20.28	20.46	20.49	21.50	
CP-OFDM 64QAM	1	1	19.83	19.88	20.08	21.00	
CP-OFDM 256QAM	1	1	16.66	16.76	16.71	18.00	

## 8.6.1 NR Band2 Output Power

## N2-ANT31 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.36	23.41	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.16	23.26	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.17	23.19	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.36	23.28	23.25	24.50
		1	53	23.30	23.40	23.36	24.50
		1	104	23.14	23.17	23.39	24.50
	DFT-s-OFDM BPSK	50	0	23.25	22.64	23.34	24.50
		50	28	23.30	23.32	23.50	24.50
		50	56	23.34	22.70	23.24	24.50
	DFT-s-OFDM BPSK	100	0	22.15	22.20	22.27	23.50
	DFT-s-OFDM QPSK	1	1	23.25	23.32	23.15	24.50
		1	53	23.21	23.34	23.27	24.50
		1	104	23.21	23.31	23.30	24.50
	DFT-s-OFDM QPSK	50	0	23.38	22.68	23.26	24.50
		50	28	23.30	23.20	23.39	24.50
		50	56	23.30	22.78	23.23	24.50
	DFT-s-OFDM QPSK	100	0	22.20	22.26	22.41	23.50
	DFT-s-OFDM 16QAM	1	1	22.49	22.47	22.50	23.50
	DFT-s-OFDM 64QAM	1	1	20.79	20.84	20.77	22.00
	DFT-s-OFDM 256QAM	1	1	18.67	18.83	18.82	20.00
CP-OFDM QPSK	1	1	22.15	21.98	22.17	23.00	
CP-OFDM 16QAM	1	1	20.90	21.06	21.05	22.50	
CP-OFDM 64QAM	1	1	19.95	19.96	19.89	21.00	
CP-OFDM 256QAM	1	1	16.73	16.74	16.63	18.00	



## N2-ANT31 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	23.36	23.41	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	23.16	23.26	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	23.17	23.19	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	23.36	23.28	23.25	24.50
		1	53	23.30	23.40	23.36	24.50
		1	104	23.14	23.17	23.39	24.50
	DFT-s-OFDM BPSK	50	0	23.25	22.64	23.34	24.50
		50	28	23.30	23.32	23.50	24.50
		50	56	23.34	22.70	23.24	24.50
	DFT-s-OFDM BPSK	100	0	22.15	22.20	22.27	23.50
	DFT-s-OFDM QPSK	1	1	23.25	23.32	23.15	24.50
		1	53	23.21	23.34	23.27	24.50
		1	104	23.21	23.31	23.30	24.50
	DFT-s-OFDM QPSK	50	0	23.38	22.68	23.26	24.50
		50	28	23.30	23.20	23.39	24.50
		50	56	23.30	22.78	23.23	24.50
	DFT-s-OFDM QPSK	100	0	22.20	22.26	22.41	23.50
	DFT-s-OFDM 16QAM	1	1	22.49	22.47	22.50	23.50
	DFT-s-OFDM 64QAM	1	1	20.79	20.84	20.77	22.00
	DFT-s-OFDM 256QAM	1	1	18.67	18.83	18.82	20.00
CP-OFDM QPSK	1	1	22.15	21.98	22.17	23.00	
CP-OFDM 16QAM	1	1	20.90	21.06	21.05	22.50	
CP-OFDM 64QAM	1	1	19.95	19.96	19.89	21.00	
CP-OFDM 256QAM	1	1	16.73	16.74	16.63	18.00	

## N2-ANT31 DSI4&amp;5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	22.38	22.22	22.12	23.00
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	22.32	22.17	22.40	23.00
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	22.13	22.30	22.31	23.00
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	22.17	22.29	22.31	23.00
		1	53	22.13	22.22	22.40	23.00
		1	104	22.15	22.26	22.03	23.00
	DFT-s-OFDM BPSK	50	0	22.09	22.35	22.02	23.00
		50	28	22.29	22.37	22.25	23.00
		50	56	22.37	22.07	22.00	23.00
	DFT-s-OFDM BPSK	100	0	22.18	22.32	22.02	23.00
	DFT-s-OFDM QPSK	1	1	22.31	22.34	22.30	23.00
		1	53	22.24	22.27	22.28	23.00
		1	104	22.16	22.22	22.14	23.00
	DFT-s-OFDM QPSK	50	0	22.14	22.26	22.10	23.00
		50	28	22.34	22.26	22.29	23.00
		50	56	22.30	22.14	22.15	23.00
	DFT-s-OFDM QPSK	100	0	22.18	22.27	22.07	23.00
	DFT-s-OFDM 16QAM	1	1	22.23	22.37	22.45	23.00
	DFT-s-OFDM 64QAM	1	1	20.76	20.83	20.71	22.00
	DFT-s-OFDM 256QAM	1	1	18.90	18.81	18.79	20.00
CP-OFDM QPSK	1	1	21.54	21.68	21.65	23.00	
CP-OFDM 16QAM	1	1	20.96	20.84	20.82	22.50	
CP-OFDM 64QAM	1	1	19.94	19.79	19.81	21.00	
CP-OFDM 256QAM	1	1	16.70	16.68	16.75	18.00	

## N2-ANT31 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		370500	376000	381500	Tune-up power(dB)
		RB Size	RB offset	1852.5	1880	1907.5	
5	DFT-s-OFDM BPSK	1	1	19.92	19.93	19.71	20.50
Bandwidth (MHz)	Modulation	Channel		371000	376000	381000	Tune-up power(dB)
		RB Size	RB offset	1855	1880	1905	
10	DFT-s-OFDM BPSK	1	1	19.95	19.72	19.58	20.50
Bandwidth (MHz)	Modulation	Channel		371500	376000	380500	Tune-up power(dB)
		RB Size	RB offset	1857.5	1880	1902.5	
15	DFT-s-OFDM BPSK	1	1	20.22	19.70	19.70	20.50
Bandwidth (MHz)	Modulation	Channel		372000	376000	380000	Tune-up power(dB)
		RB Size	RB offset	1860	1880	1900	
20	DFT-s-OFDM BPSK	1	1	20.19	19.79	19.63	20.50
		1	53	19.74	19.57	19.85	20.50
		1	104	19.55	19.77	19.85	20.50
	DFT-s-OFDM BPSK	50	0	19.85	19.82	20.11	20.50
		50	28	19.99	19.92	19.83	20.50
		50	56	20.13	20.01	20.03	20.50
	DFT-s-OFDM BPSK	100	0	20.16	19.85	19.69	20.50
	DFT-s-OFDM QPSK	1	1	20.07	19.75	19.68	20.50
		1	53	19.83	19.68	19.77	20.50
		1	104	19.67	19.75	19.98	20.50
	DFT-s-OFDM QPSK	50	0	19.78	19.90	20.04	20.50
		50	28	20.02	19.87	19.86	20.50
		50	56	20.03	20.01	19.97	20.50
	DFT-s-OFDM QPSK	100	0	20.01	19.83	19.73	20.50
	DFT-s-OFDM 16QAM	1	1	19.83	19.92	19.79	20.50
	DFT-s-OFDM 64QAM	1	1	19.82	19.89	20.04	20.50
	DFT-s-OFDM 256QAM	1	1	18.33	18.43	18.23	20.00
CP-OFDM QPSK	1	1	19.71	19.73	19.92	20.50	
CP-OFDM 16QAM	1	1	19.58	19.53	19.34	20.50	
CP-OFDM 64QAM	1	1	19.52	19.39	19.46	20.50	
CP-OFDM 256QAM	1	1	16.18	16.26	16.35	18.00	

## 8.6.2 NR Band5 Output Power

## N5-ANT13 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.06	24.17	24.23	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.13	24.29	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.33	24.13	23.96	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.03	24.24	24.26	25.00
		1	53	24.08	23.98	24.16	25.00
		1	104	24.08	23.82	23.93	25.00
	DFT-s-OFDM BPSK	50	0	23.83	23.72	23.64	25.00
		50	28	23.86	24.10	24.11	25.00
		50	56	23.40	23.31	23.38	25.00
	DFT-s-OFDM BPSK	100	0	23.01	23.02	23.00	24.00
	DFT-s-OFDM QPSK	1	1	24.15	24.21	24.16	25.00
		1	53	24.03	24.11	24.10	25.00
		1	104	23.93	23.96	23.92	25.00
	DFT-s-OFDM QPSK	50	0	23.82	23.64	23.72	25.00
		50	28	23.88	23.97	24.01	25.00
		50	56	23.42	23.25	23.33	25.00
	DFT-s-OFDM QPSK	100	0	22.91	23.01	23.06	24.00
	DFT-s-OFDM 16QAM	1	1	23.11	23.21	23.22	24.00
	DFT-s-OFDM 64QAM	1	1	21.65	21.77	21.75	22.50
	DFT-s-OFDM 256QAM	1	1	19.76	19.78	19.68	20.50
	CP-OFDM QPSK	1	1	22.41	22.56	22.62	23.50
	CP-OFDM 16QAM	1	1	21.59	21.79	21.78	23.00
	CP-OFDM 64QAM	1	1	20.68	20.64	20.84	21.50
CP-OFDM 256QAM	1	1	17.61	17.58	17.56	18.50	

## N5-ANT13 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	22.10	22.29	22.06	23.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	22.16	22.08	22.24	23.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	22.36	22.03	21.93	23.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.16	22.17	21.96	23.00
		1	53	22.04	22.05	22.18	23.00
		1	104	21.96	21.90	21.81	23.00
	DFT-s-OFDM BPSK	50	0	22.00	22.00	22.19	23.00
		50	28	21.96	22.08	21.92	23.00
		50	56	21.82	21.89	21.77	23.00
	DFT-s-OFDM BPSK	100	0	21.83	21.89	21.77	23.00
	DFT-s-OFDM QPSK	1	1	22.18	22.11	22.08	23.00
		1	53	22.02	22.05	22.05	23.00
		1	104	21.95	21.89	21.96	23.00
	DFT-s-OFDM QPSK	50	0	22.10	22.02	22.08	23.00
		50	28	22.00	21.96	22.04	23.00
		50	56	21.69	21.88	21.89	23.00
	DFT-s-OFDM QPSK	100	0	21.90	21.99	21.81	23.00
	DFT-s-OFDM 16QAM	1	1	22.29	22.21	22.11	23.00
	DFT-s-OFDM 64QAM	1	1	21.96	21.79	21.95	22.50
	DFT-s-OFDM 256QAM	1	1	19.98	19.78	19.89	20.50
	CP-OFDM QPSK	1	1	21.94	22.03	21.96	23.00
CP-OFDM 16QAM	1	1	21.75	21.71	21.63	23.00	
CP-OFDM 64QAM	1	1	20.71	20.66	20.74	21.50	
CP-OFDM 256QAM	1	1	17.62	17.58	17.52	18.50	

## N5-ANT13 DSI4&amp;5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.06	24.17	24.23	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.13	24.29	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.33	24.13	23.96	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.03	24.24	24.26	25.00
		1	53	24.08	23.98	24.16	25.00
		1	104	24.08	23.82	23.93	25.00
	DFT-s-OFDM BPSK	50	0	23.83	23.72	23.64	25.00
		50	28	23.86	24.10	24.11	25.00
		50	56	23.40	23.31	23.38	25.00
	DFT-s-OFDM BPSK	100	0	23.01	23.02	23.00	24.00
	DFT-s-OFDM QPSK	1	1	24.15	24.21	24.16	25.00
		1	53	24.03	24.11	24.10	25.00
		1	104	23.93	23.96	23.92	25.00
	DFT-s-OFDM QPSK	50	0	23.82	23.64	23.72	25.00
		50	28	23.88	23.97	24.01	25.00
		50	56	23.42	23.25	23.33	25.00
	DFT-s-OFDM QPSK	100	0	22.91	23.01	23.06	24.00
	DFT-s-OFDM 16QAM	1	1	23.11	23.21	23.22	24.00
	DFT-s-OFDM 64QAM	1	1	21.65	21.77	21.75	22.50
	DFT-s-OFDM 256QAM	1	1	19.76	19.78	19.68	20.50
	CP-OFDM QPSK	1	1	22.41	22.56	22.62	23.50
	CP-OFDM 16QAM	1	1	21.59	21.79	21.78	23.00
	CP-OFDM 64QAM	1	1	20.68	20.64	20.84	21.50
CP-OFDM 256QAM	1	1	17.61	17.58	17.56	18.50	

## 8.6.2 NR Band5 Output Power

## N5-ANT13 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.06	24.17	24.23	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.13	24.29	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.33	24.13	23.96	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.03	24.24	24.26	25.00
		1	53	24.08	23.98	24.16	25.00
		1	104	24.08	23.82	23.93	25.00
	DFT-s-OFDM BPSK	50	0	23.83	23.72	23.64	25.00
		50	28	23.86	24.10	24.11	25.00
		50	56	23.40	23.31	23.38	25.00
	DFT-s-OFDM BPSK	100	0	23.01	23.02	23.00	24.00
	DFT-s-OFDM QPSK	1	1	24.15	24.21	24.16	25.00
		1	53	24.03	24.11	24.10	25.00
		1	104	23.93	23.96	23.92	25.00
	DFT-s-OFDM QPSK	50	0	23.82	23.64	23.72	25.00
		50	28	23.88	23.97	24.01	25.00
		50	56	23.42	23.25	23.33	25.00
	DFT-s-OFDM QPSK	100	0	22.91	23.01	23.06	24.00
	DFT-s-OFDM 16QAM	1	1	23.11	23.21	23.22	24.00
	DFT-s-OFDM 64QAM	1	1	21.65	21.77	21.75	22.50
	DFT-s-OFDM 256QAM	1	1	19.76	19.78	19.68	20.50
	CP-OFDM QPSK	1	1	22.41	22.56	22.62	23.50
	CP-OFDM 16QAM	1	1	21.59	21.79	21.78	23.00
	CP-OFDM 64QAM	1	1	20.68	20.64	20.84	21.50
CP-OFDM 256QAM	1	1	17.61	17.58	17.56	18.50	

## N5-ANT13 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	19.54	19.53	19.98	20.50
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	19.69	19.54	19.70	20.50
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	19.55	19.85	19.78	20.50
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	19.65	19.61	19.72	20.50
		1	53	19.52	19.58	20.04	20.50
		1	104	19.89	19.69	19.92	20.50
	DFT-s-OFDM BPSK	50	0	19.80	19.84	19.56	20.50
		50	28	19.56	19.80	19.59	20.50
		50	56	19.83	19.57	19.64	20.50
	DFT-s-OFDM BPSK	100	0	19.78	19.62	19.67	20.50
		1	1	19.50	19.70	19.80	20.50
		1	53	19.62	19.68	19.89	20.50
	DFT-s-OFDM QPSK	1	104	19.96	19.59	19.77	20.50
		50	0	19.90	19.80	19.71	20.50
		50	28	19.64	19.76	19.70	20.50
	DFT-s-OFDM QPSK	50	56	19.79	19.62	19.63	20.50
		100	0	19.71	19.63	19.68	20.50
		1	1	19.74	19.80	19.94	20.50
	DFT-s-OFDM 16QAM	1	1	19.74	19.80	19.94	20.50
	DFT-s-OFDM 64QAM	1	1	20.03	19.83	19.93	20.50
	DFT-s-OFDM 256QAM	1	1	20.04	19.87	20.06	20.50
	CP-OFDM QPSK	1	1	19.55	19.68	19.86	20.50
	CP-OFDM 16QAM	1	1	19.64	19.60	19.59	20.50
CP-OFDM 64QAM	1	1	19.80	19.97	20.04	20.50	
CP-OFDM 256QAM	1	1	17.63	17.73	17.67	18.50	



## N5-ANT13 DSI4&amp;5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.06	24.17	24.23	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.13	24.29	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.33	24.13	23.96	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.03	24.24	24.26	25.00
		1	53	24.08	23.98	24.16	25.00
		1	104	24.08	23.82	23.93	25.00
	DFT-s-OFDM BPSK	50	0	23.83	23.72	23.64	25.00
		50	28	23.86	24.10	24.11	25.00
		50	56	23.40	23.31	23.38	25.00
	DFT-s-OFDM BPSK	100	0	23.01	23.02	23.00	24.00
	DFT-s-OFDM QPSK	1	1	24.15	24.21	24.16	25.00
		1	53	24.03	24.11	24.10	25.00
		1	104	23.93	23.96	23.92	25.00
	DFT-s-OFDM QPSK	50	0	23.82	23.64	23.72	25.00
		50	28	23.88	23.97	24.01	25.00
		50	56	23.42	23.25	23.33	25.00
	DFT-s-OFDM QPSK	100	0	22.91	23.01	23.06	24.00
	DFT-s-OFDM 16QAM	1	1	23.11	23.21	23.22	24.00
	DFT-s-OFDM 64QAM	1	1	21.65	21.77	21.75	22.50
	DFT-s-OFDM 256QAM	1	1	19.76	19.78	19.68	20.50
	CP-OFDM QPSK	1	1	22.41	22.56	22.62	23.50
	CP-OFDM 16QAM	1	1	21.59	21.79	21.78	23.00
	CP-OFDM 64QAM	1	1	20.68	20.64	20.84	21.50
CP-OFDM 256QAM	1	1	17.61	17.58	17.56	18.50	

**N5-ANT13 DSI8&9&10(Only for NSA)**

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	22.95	23.39	23.12	24.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	22.95	23.39	23.14	24.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.02	23.34	23.12	24.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	22.94	23.22	23.16	24.00
		1	53	23.11	23.22	22.97	24.00
		1	104	23.00	22.95	23.27	24.00
	DFT-s-OFDM BPSK	50	0	23.03	23.21	23.46	24.00
		50	28	22.87	23.03	23.29	24.00
		50	56	23.21	23.00	23.17	24.00
	DFT-s-OFDM BPSK	100	0	23.07	23.18	23.36	24.00
	DFT-s-OFDM QPSK	1	1	22.98	23.24	23.20	24.00
		1	53	23.18	23.15	23.07	24.00
		1	104	23.07	23.09	23.13	24.00
	DFT-s-OFDM QPSK	50	0	23.17	23.31	23.32	24.00
		50	28	23.01	23.12	23.30	24.00
		50	56	23.20	23.05	23.25	24.00
	DFT-s-OFDM QPSK	100	0	22.92	23.10	23.26	24.00
	DFT-s-OFDM 16QAM	1	1	23.03	23.21	23.10	24.00
	DFT-s-OFDM 64QAM	1	1	21.85	21.83	21.79	22.50
	DFT-s-OFDM 256QAM	1	1	19.98	19.83	19.84	20.50
	CP-OFDM QPSK	1	1	22.60	22.61	22.71	23.50
	CP-OFDM 16QAM	1	1	21.92	21.80	21.92	23.00
	CP-OFDM 64QAM	1	1	20.70	20.63	20.81	21.50
CP-OFDM 256QAM	1	1	17.44	17.64	17.66	18.50	

## 8.6.2 NR Band5 Output Power

## N5-ANT31 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.44	24.11	24.36	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.32	23.94	24.38	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.23	24.04	24.19	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.15	24.13	24.14	25.00
		1	53	24.07	23.97	24.26	25.00
		1	104	23.99	23.88	23.90	25.00
	DFT-s-OFDM BPSK	50	0	23.47	23.43	23.35	25.00
		50	28	24.19	24.01	23.95	25.00
		50	56	23.04	23.29	23.31	25.00
	DFT-s-OFDM BPSK	100	0	22.96	23.07	23.02	24.00
	DFT-s-OFDM QPSK	1	1	24.27	24.12	24.18	25.00
		1	53	24.06	24.02	24.15	25.00
		1	104	23.98	23.93	23.99	25.00
	DFT-s-OFDM QPSK	50	0	23.43	23.34	23.40	25.00
		50	28	24.20	24.01	24.02	25.00
		50	56	23.06	23.24	23.42	25.00
	DFT-s-OFDM QPSK	100	0	23.00	23.00	23.14	24.00
	DFT-s-OFDM 16QAM	1	1	23.24	23.15	23.07	24.00
	DFT-s-OFDM 64QAM	1	1	21.65	21.72	21.82	22.50
	DFT-s-OFDM 256QAM	1	1	19.86	19.76	19.68	20.50
	CP-OFDM QPSK	1	1	22.37	22.51	22.52	23.50
CP-OFDM 16QAM	1	1	21.64	21.68	21.48	23.00	
CP-OFDM 64QAM	1	1	20.56	20.54	20.36	21.50	
CP-OFDM 256QAM	1	1	17.68	17.53	17.34	18.50	

## N5-ANT31 DS12&amp;3&amp;4&amp;5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		165300	167300	169300	Tune-up power(dB)
		RB Size	RB offset	826.5	836.5	846.5	
5	DFT-s-OFDM BPSK	1	1	24.44	24.11	24.36	25.00
Bandwidth (MHz)	Modulation	Channel		165800	167300	168800	Tune-up power(dB)
		RB Size	RB offset	829	836.5	844	
10	DFT-s-OFDM BPSK	1	1	24.32	23.94	24.38	25.00
Bandwidth (MHz)	Modulation	Channel		166300	167300	168300	Tune-up power(dB)
		RB Size	RB offset	831.5	836.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.23	24.04	24.19	25.00
Bandwidth (MHz)	Modulation	Channel		166800	167300	167800	Tune-up power(dB)
		RB Size	RB offset	834	836.5	839	
20	DFT-s-OFDM BPSK	1	1	24.15	24.13	24.14	25.00
		1	53	24.07	23.97	24.26	25.00
		1	104	23.99	23.88	23.90	25.00
	DFT-s-OFDM BPSK	50	0	23.47	23.43	23.35	25.00
		50	28	24.19	24.01	23.95	25.00
		50	56	23.04	23.29	23.31	25.00
	DFT-s-OFDM BPSK	100	0	22.96	23.07	23.02	24.00
	DFT-s-OFDM QPSK	1	1	24.27	24.12	24.18	25.00
		1	53	24.06	24.02	24.15	25.00
		1	104	23.98	23.93	23.99	25.00
	DFT-s-OFDM QPSK	50	0	23.43	23.34	23.40	25.00
		50	28	24.20	24.01	24.02	25.00
		50	56	23.06	23.24	23.42	25.00
	DFT-s-OFDM QPSK	100	0	23.00	23.00	23.14	24.00
	DFT-s-OFDM 16QAM	1	1	23.24	23.15	23.07	24.00
	DFT-s-OFDM 64QAM	1	1	21.65	21.72	21.82	22.50
	DFT-s-OFDM 256QAM	1	1	19.86	19.76	19.68	20.50
CP-OFDM QPSK	1	1	22.37	22.51	22.52	23.50	
CP-OFDM 16QAM	1	1	21.64	21.68	21.48	23.00	
CP-OFDM 64QAM	1	1	20.56	20.54	20.36	21.50	
CP-OFDM 256QAM	1	1	17.68	17.53	17.34	18.50	

## 8.6.3 NR Band7 Output Power

## N7-ANT13 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.25	23.27	23.10	24.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.14	23.25	22.94	24.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.09	23.37	22.98	24.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.35	23.33	23.04	24.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	23.36	23.22	22.96	24.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.06	23.35	22.92	24.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.14	23.13	22.89	24.50
		1	108	22.90	23.32	22.95	24.50
		1	214	23.07	23.25	22.94	24.50
	DFT-s-OFDM BPSK	108	0	22.98	23.23	23.02	24.50
		108	54	23.38	23.16	22.97	24.50
		108	108	23.13	22.88	22.89	24.50
	DFT-s-OFDM BPSK	216	0	22.12	21.90	21.73	23.50
	DFT-s-OFDM QPSK	1	1	23.19	23.19	23.04	24.50
		1	108	22.93	23.23	23.08	24.50
		1	214	23.06	23.16	22.91	24.50
	DFT-s-OFDM QPSK	108	0	22.91	23.16	23.15	24.50
		108	54	23.26	23.08	22.88	24.50
		108	108	23.22	22.91	23.02	24.50
	DFT-s-OFDM QPSK	216	0	21.99	22.05	21.88	23.50
	DFT-s-OFDM 16QAM	1	1	22.27	22.26	22.45	23.50
	DFT-s-OFDM 64QAM	1	1	20.83	20.80	20.80	22.00
	DFT-s-OFDM 256QAM	1	1	18.86	18.78	18.69	20.00
	CP-OFDM QPSK	1	1	21.66	21.61	21.49	23.00
CP-OFDM 16QAM	1	1	20.85	20.78	20.60	22.50	
CP-OFDM 64QAM	1	1	19.57	19.71	19.87	21.00	
CP-OFDM 256QAM	1	1	16.68	16.60	16.67	18.00	

## N7-ANT13 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	12.55	12.63	12.60	13.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	12.73	12.85	12.87	13.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	12.67	12.97	12.86	13.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	12.72	12.78	12.87	13.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	12.68	12.87	12.79	13.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	12.57	12.90	12.52	13.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	12.63	12.73	12.72	13.50
		1	108	12.65	12.74	12.91	13.50
		1	214	12.55	12.62	12.74	13.50
	DFT-s-OFDM BPSK	108	0	12.73	12.85	12.75	13.50
		108	54	12.60	12.79	12.97	13.50
		108	108	12.58	12.64	12.68	13.50
	DFT-s-OFDM BPSK	216	0	12.60	12.85	12.77	13.50
		1	1	12.64	12.79	12.72	13.50
		1	108	12.65	12.75	12.93	13.50
	DFT-s-OFDM QPSK	1	214	12.61	12.76	12.72	13.50
		108	0	12.86	12.90	12.75	13.50
		108	54	12.60	12.73	12.91	13.50
	DFT-s-OFDM QPSK	108	108	12.64	12.59	12.70	13.50
		216	0	12.58	12.78	12.86	13.50
		1	1	13.16	13.07	13.02	13.50
	DFT-s-OFDM 16QAM	1	1	13.16	13.05	12.86	13.50
	DFT-s-OFDM 64QAM	1	1	13.03	13.14	13.34	13.50
	DFT-s-OFDM 256QAM	1	1	12.99	12.87	12.84	13.50
CP-OFDM QPSK	1	1	12.55	12.56	12.53	13.50	
CP-OFDM 16QAM	1	1	12.70	12.78	12.88	13.50	
CP-OFDM 64QAM	1	1	12.73	12.86	12.86	13.50	
CP-OFDM 256QAM	1	1					

## N7-ANT13 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	21.15	21.24	20.94	22.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.15	21.37	21.10	22.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	21.16	21.24	20.92	22.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	21.02	21.44	21.06	22.00
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	20.88	21.37	21.19	22.00
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	21.18	21.11	20.94	22.00
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	20.93	21.32	21.07	22.00
		1	108	20.96	21.16	21.17	22.00
		1	214	20.74	21.06	20.89	22.00
	DFT-s-OFDM BPSK	108	0	21.22	21.31	21.02	22.00
		108	54	21.21	21.05	20.86	22.00
		108	108	21.26	20.83	21.04	22.00
	DFT-s-OFDM BPSK	216	0	20.92	20.99	21.12	22.00
		1	1	21.02	21.26	21.02	22.00
		1	108	20.87	21.28	21.08	22.00
	DFT-s-OFDM QPSK	1	214	20.89	21.13	20.90	22.00
		108	0	21.16	21.17	21.00	22.00
		108	54	21.16	21.07	20.95	22.00
	DFT-s-OFDM QPSK	108	108	21.20	20.94	21.12	22.00
		216	0	20.90	21.10	21.16	22.00
		1	1	21.48	21.30	21.22	22.00
	DFT-s-OFDM 16QAM	1	1	21.48	21.30	21.22	22.00
	DFT-s-OFDM 64QAM	1	1	20.88	20.82	20.69	22.00
DFT-s-OFDM 256QAM	1	1	18.68	18.76	18.57	20.00	
CP-OFDM QPSK	1	1	21.00	21.07	21.09	22.00	
CP-OFDM 16QAM	1	1	21.01	20.83	21.01	22.00	
CP-OFDM 64QAM	1	1	19.83	19.74	19.66	21.00	
CP-OFDM 256QAM	1	1	16.63	16.56	16.38	18.00	

## N7-ANT13 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	17.97	18.16	18.14	19.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	18.16	18.22	18.24	19.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	18.06	18.16	18.16	19.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	17.94	18.33	18.07	19.00
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	17.92	18.31	18.18	19.00
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	18.20	18.22	18.00	19.00
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	18.02	18.29	17.99	19.00
		1	108	18.28	18.40	18.16	19.00
		1	214	17.91	18.33	18.45	19.00
	DFT-s-OFDM BPSK	108	0	18.39	18.21	18.20	19.00
		108	54	18.02	18.15	17.91	19.00
		108	108	18.03	17.96	18.03	19.00
	DFT-s-OFDM BPSK	216	0	18.12	18.18	18.27	19.00
		1	1	18.09	18.23	18.13	19.00
		1	108	18.24	18.26	18.02	19.00
	DFT-s-OFDM QPSK	1	214	18.04	18.21	18.33	19.00
		108	0	18.35	18.13	18.06	19.00
		108	54	18.09	18.15	17.97	19.00
	DFT-s-OFDM QPSK	108	108	17.99	17.99	18.08	19.00
		216	0	18.26	18.23	18.19	19.00
		1	1	18.57	18.37	18.56	19.00
	DFT-s-OFDM 16QAM	1	1	18.57	18.37	18.56	19.00
	DFT-s-OFDM 64QAM	1	1	18.23	18.29	18.29	19.00
DFT-s-OFDM 256QAM	1	1	18.26	18.32	18.33	19.00	
CP-OFDM QPSK	1	1	18.24	18.13	18.18	19.00	
CP-OFDM 16QAM	1	1	17.98	17.89	17.72	19.00	
CP-OFDM 64QAM	1	1	18.06	18.22	18.33	19.00	
CP-OFDM 256QAM	1	1	16.40	16.57	16.74	18.00	



## N7-ANT13 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	13.75	13.73	13.82	14.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	13.97	13.97	14.05	14.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	13.71	14.11	13.68	14.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	13.83	13.79	13.83	14.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	13.89	13.92	13.71	14.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	13.87	14.07	13.96	14.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	13.95	13.77	13.76	14.50
		1	108	13.87	13.84	13.74	14.50
		1	214	13.71	13.82	13.87	14.50
	DFT-s-OFDM BPSK	108	0	13.77	13.89	13.91	14.50
		108	54	13.89	13.59	13.71	14.50
		108	108	13.75	13.66	13.68	14.50
	DFT-s-OFDM BPSK	216	0	13.80	13.87	13.57	14.50
		1	1	13.82	13.91	13.86	14.50
		1	108	13.87	13.85	13.63	14.50
	DFT-s-OFDM QPSK	1	214	13.75	13.93	13.79	14.50
		108	0	13.84	13.83	13.80	14.50
		108	54	13.90	13.73	13.83	14.50
	DFT-s-OFDM QPSK	108	108	13.68	13.67	13.75	14.50
		216	0	13.75	13.74	13.67	14.50
		1	1	13.74	13.89	13.84	14.50
	DFT-s-OFDM 16QAM	1	1	13.74	13.89	13.84	14.50
	DFT-s-OFDM 64QAM	1	1	14.05	14.05	13.89	14.50
	DFT-s-OFDM 256QAM	1	1	14.12	14.15	13.99	14.50
CP-OFDM QPSK	1	1	14.00	13.81	13.96	14.50	
CP-OFDM 16QAM	1	1	13.68	13.60	13.77	14.50	
CP-OFDM 64QAM	1	1	13.86	13.89	13.78	14.50	
CP-OFDM 256QAM	1	1	13.69	13.83	13.82	14.50	

## 8.6.3 NR Band7 Output Power

## N7-ANT31 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.13	23.11	23.21	24.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.22	23.09	22.94	24.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.19	23.11	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.05	23.21	23.07	24.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	22.97	23.24	23.31	24.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	22.94	23.25	22.98	24.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.11	23.10	23.21	24.50
		1	108	22.96	23.20	23.08	24.50
		1	214	23.10	23.28	23.01	24.50
	DFT-s-OFDM BPSK	108	0	23.32	23.27	23.27	24.50
		108	54	23.09	23.05	23.17	24.50
		108	108	22.90	23.13	22.92	24.50
	DFT-s-OFDM BPSK	216	0	22.17	22.07	22.00	23.50
		1	1	23.13	23.16	23.12	24.50
		1	108	23.08	23.21	23.20	24.50
	DFT-s-OFDM QPSK	1	214	23.09	23.17	23.14	24.50
		108	0	23.30	23.25	23.16	24.50
		108	54	23.04	23.11	23.27	24.50
	DFT-s-OFDM QPSK	108	108	22.98	23.02	22.98	24.50
		216	0	22.16	22.02	21.92	23.50
		1	1	22.08	22.22	22.24	23.50
	DFT-s-OFDM 16QAM	1	1	22.08	22.22	22.24	23.50
	DFT-s-OFDM 64QAM	1	1	20.85	20.81	20.64	22.00
	DFT-s-OFDM 256QAM	1	1	18.84	18.79	18.98	20.00
CP-OFDM QPSK	1	1	21.46	21.60	21.40	23.00	
CP-OFDM 16QAM	1	1	20.83	20.73	20.85	22.50	
CP-OFDM 64QAM	1	1	19.70	19.69	19.71	21.00	
CP-OFDM 256QAM	1	1	16.41	16.52	16.72	18.00	

## N7-ANT31 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.13	23.11	23.21	24.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.22	23.09	22.94	24.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.19	23.11	23.06	24.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.05	23.21	23.07	24.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	22.97	23.24	23.31	24.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	22.94	23.25	22.98	24.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.11	23.10	23.21	24.50
		1	108	22.96	23.20	23.08	24.50
		1	214	23.10	23.28	23.01	24.50
	DFT-s-OFDM BPSK	108	0	23.32	23.27	23.27	24.50
		108	54	23.09	23.05	23.17	24.50
		108	108	22.90	23.13	22.92	24.50
	DFT-s-OFDM BPSK	216	0	22.17	22.07	22.00	23.50
		1	1	23.13	23.16	23.12	24.50
		1	108	23.08	23.21	23.20	24.50
	DFT-s-OFDM QPSK	1	214	23.09	23.17	23.14	24.50
		108	0	23.30	23.25	23.16	24.50
		108	54	23.04	23.11	23.27	24.50
	DFT-s-OFDM QPSK	108	108	22.98	23.02	22.98	24.50
		216	0	22.16	22.02	21.92	23.50
		1	1	22.08	22.22	22.24	23.50
	DFT-s-OFDM 16QAM	1	1	22.08	22.22	22.24	23.50
	DFT-s-OFDM 64QAM	1	1	20.85	20.81	20.64	22.00
	DFT-s-OFDM 256QAM	1	1	18.84	18.79	18.98	20.00
CP-OFDM QPSK	1	1	21.46	21.60	21.40	23.00	
CP-OFDM 16QAM	1	1	20.83	20.73	20.85	22.50	
CP-OFDM 64QAM	1	1	19.70	19.69	19.71	21.00	
CP-OFDM 256QAM	1	1	16.41	16.52	16.72	18.00	

## N7-ANT31 DSI4&amp;5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	21.48	21.59	21.61	22.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	21.46	21.61	21.72	22.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	21.49	21.80	21.86	22.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	21.42	21.69	21.52	22.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	21.58	21.61	21.58	22.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	21.46	21.79	21.66	22.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	21.52	21.59	21.85	22.50
		1	108	21.59	21.86	21.92	22.50
		1	214	21.69	21.60	21.71	22.50
	DFT-s-OFDM BPSK	108	0	21.42	21.67	21.69	22.50
		108	54	21.49	21.47	21.35	22.50
		108	108	21.50	21.42	21.39	22.50
	DFT-s-OFDM BPSK	216	0	21.53	21.70	21.69	22.50
		1	1	21.62	21.68	21.70	22.50
		1	108	21.68	21.71	21.78	22.50
	DFT-s-OFDM QPSK	1	214	21.57	21.66	21.62	22.50
		108	0	21.57	21.52	21.66	22.50
		108	54	21.36	21.54	21.41	22.50
	DFT-s-OFDM QPSK	108	108	21.41	21.36	21.48	22.50
		216	0	21.58	21.60	21.70	22.50
		1	1	21.75	21.79	21.98	22.50
	DFT-s-OFDM 16QAM	1	1	21.75	21.79	21.98	22.50
	DFT-s-OFDM 64QAM	1	1	20.85	20.78	20.58	22.00
DFT-s-OFDM 256QAM	1	1	18.81	18.79	18.59	20.00	
CP-OFDM QPSK	1	1	21.44	21.58	21.67	22.50	
CP-OFDM 16QAM	1	1	20.71	20.82	20.85	22.50	
CP-OFDM 64QAM	1	1	19.64	19.66	19.81	21.00	
CP-OFDM 256QAM	1	1	16.62	16.58	16.45	18.00	

## 8.6.3 NR Band7 Output Power

## N7-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.42	23.42	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.49	23.37	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.62	23.71	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.49	23.68	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.60	24.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.53	23.60	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.48	23.61	23.48	24.50
		1	108	23.40	23.33	23.32	24.50
		1	214	23.35	23.50	23.26	24.50
	DFT-s-OFDM BPSK	108	0	23.25	23.64	23.05	24.50
		108	54	23.43	23.36	23.42	24.50
		108	108	23.29	23.27	23.28	24.50
	DFT-s-OFDM BPSK	216	0	22.28	22.28	22.31	23.50
		1	1	23.48	23.51	23.40	24.50
		1	108	23.34	23.42	23.38	24.50
	DFT-s-OFDM QPSK	1	214	23.40	23.39	23.36	24.50
		108	0	23.36	23.51	23.16	24.50
		108	54	23.46	23.31	23.38	24.50
	DFT-s-OFDM QPSK	108	108	23.42	23.35	23.15	24.50
		216	0	22.21	22.34	22.29	23.50
		1	1	22.52	22.49	22.33	23.50
	DFT-s-OFDM 16QAM	1	1	22.52	22.49	22.33	23.50
	DFT-s-OFDM 64QAM	1	1	21.12	21.00	21.18	22.00
DFT-s-OFDM 256QAM	1	1	19.00	18.99	18.88	20.00	
CP-OFDM QPSK	1	1	21.77	21.95	22.12	23.00	
CP-OFDM 16QAM	1	1	21.20	21.00	20.88	22.50	
CP-OFDM 64QAM	1	1	20.03	19.87	19.98	21.00	
CP-OFDM 256QAM	1	1	17.05	16.94	16.98	18.00	

## N7-ANT11 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	17.64	17.22	17.21	18.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	17.45	17.25	17.36	18.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	17.38	17.25	17.15	18.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	17.66	17.34	17.18	18.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	17.38	17.40	17.35	18.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	17.44	17.26	17.25	18.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	17.11	17.21	17.23	18.50
		1	108	17.11	17.25	17.13	18.50
		1	214	17.22	17.27	17.17	18.50
	DFT-s-OFDM BPSK	108	0	17.26	17.23	17.05	18.50
		108	54	17.14	17.10	17.19	18.50
		108	108	17.20	17.26	17.11	18.50
	DFT-s-OFDM BPSK	216	0	17.34	17.37	17.35	18.50
		1	1	17.57	17.51	17.53	18.50
		1	108	17.45	17.46	17.53	18.50
	DFT-s-OFDM QPSK	1	214	17.47	17.56	17.44	18.50
		108	0	17.39	17.27	17.10	18.50
		108	54	17.32	17.21	17.11	18.50
	DFT-s-OFDM QPSK	108	108	17.07	17.22	17.18	18.50
		216	0	17.44	17.28	17.30	18.50
		1	1	17.52	17.55	17.47	18.50
	DFT-s-OFDM 16QAM	1	1	17.52	17.55	17.47	18.50
	DFT-s-OFDM 64QAM	1	1	17.65	17.52	17.76	18.50
DFT-s-OFDM 256QAM	1	1	17.60	17.65	17.64	18.50	
CP-OFDM QPSK	1	1	17.42	17.34	17.64	18.50	
CP-OFDM 16QAM	1	1	17.12	17.12	17.13	18.50	
CP-OFDM 64QAM	1	1	17.47	17.43	17.50	18.50	
CP-OFDM 256QAM	1	1	17.18	17.04	17.07	18.00	

## N7-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.42	23.42	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.49	23.37	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.62	23.71	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.49	23.68	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.60	24.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.53	23.60	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.48	23.61	23.48	24.50
		1	108	23.40	23.33	23.32	24.50
		1	214	23.35	23.50	23.26	24.50
	DFT-s-OFDM BPSK	108	0	23.25	23.64	23.05	24.50
		108	54	23.43	23.36	23.42	24.50
		108	108	23.29	23.27	23.28	24.50
	DFT-s-OFDM BPSK	216	0	22.28	22.28	22.31	23.50
	DFT-s-OFDM QPSK	1	1	23.48	23.51	23.40	24.50
		1	108	23.34	23.42	23.38	24.50
		1	214	23.40	23.39	23.36	24.50
	DFT-s-OFDM QPSK	108	0	23.36	23.51	23.16	24.50
		108	54	23.46	23.31	23.38	24.50
		108	108	23.42	23.35	23.15	24.50
	DFT-s-OFDM QPSK	216	0	22.21	22.34	22.29	23.50
	DFT-s-OFDM 16QAM	1	1	22.52	22.49	22.33	23.50
	DFT-s-OFDM 64QAM	1	1	21.12	21.00	21.18	22.00
	DFT-s-OFDM 256QAM	1	1	19.00	18.99	18.88	20.00
	CP-OFDM QPSK	1	1	21.77	21.95	22.12	23.00
	CP-OFDM 16QAM	1	1	21.20	21.00	20.88	22.50
	CP-OFDM 64QAM	1	1	20.03	19.87	19.98	21.00
CP-OFDM 256QAM	1	1	17.05	16.94	16.98	18.00	

## N7-ANT11 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	18.88	19.06	19.06	19.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	18.77	19.15	18.94	19.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	19.08	19.04	18.72	19.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	19.08	19.05	18.94	19.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	18.73	18.88	18.67	19.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	18.98	19.10	18.81	19.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	18.85	18.96	19.01	19.50
		1	108	18.92	19.04	18.75	19.50
		1	214	18.92	18.87	18.81	19.50
	DFT-s-OFDM BPSK	108	0	18.83	18.87	19.11	19.50
		108	54	18.91	18.77	18.79	19.50
		108	108	18.71	19.05	18.62	19.50
	DFT-s-OFDM BPSK	216	0	18.84	18.73	18.77	19.50
		1	1	18.92	18.96	18.87	19.50
		1	108	18.91	18.90	18.85	19.50
	DFT-s-OFDM QPSK	1	214	18.84	18.95	18.90	19.50
		108	0	18.77	18.90	18.97	19.50
		108	54	18.92	18.82	18.87	19.50
	DFT-s-OFDM QPSK	108	108	18.70	19.01	18.63	19.50
		216	0	18.86	18.85	18.76	19.50
		1	1	18.91	18.95	18.90	19.50
	DFT-s-OFDM 16QAM	1	1	18.91	18.95	18.90	19.50
	DFT-s-OFDM 64QAM	1	1	19.14	19.07	19.08	19.50
DFT-s-OFDM 256QAM	1	1	18.92	19.08	18.97	19.50	
CP-OFDM QPSK	1	1	18.80	18.94	19.14	19.50	
CP-OFDM 16QAM	1	1	18.47	18.64	18.56	19.50	
CP-OFDM 64QAM	1	1	18.96	19.14	19.33	19.50	
CP-OFDM 256QAM	1	1	16.82	16.90	16.80	18.00	



## N7-ANT11 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	17.91	17.96	17.95	18.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	17.86	17.89	18.08	18.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	17.83	17.89	17.73	18.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	17.89	17.86	17.71	18.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	18.15	18.08	17.82	18.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	18.03	17.97	17.86	18.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	18.00	17.90	17.93	18.50
		1	108	17.99	17.75	17.74	18.50
		1	214	17.91	18.04	17.96	18.50
	DFT-s-OFDM BPSK	108	0	17.78	17.70	17.79	18.50
		108	54	17.78	17.90	17.43	18.50
		108	108	17.54	17.99	17.73	18.50
	DFT-s-OFDM BPSK	216	0	17.77	18.04	18.06	18.50
		1	1	17.95	17.97	17.89	18.50
		1	108	17.89	17.88	17.80	18.50
	DFT-s-OFDM QPSK	1	214	17.91	17.90	17.86	18.50
		108	0	17.77	17.79	17.73	18.50
		108	54	17.80	17.75	17.57	18.50
	DFT-s-OFDM QPSK	108	108	17.56	17.84	17.70	18.50
		216	0	17.76	17.96	17.94	18.50
		1	1	17.99	18.08	18.14	18.50
	DFT-s-OFDM 16QAM	1	1	17.99	18.08	18.14	18.50
	DFT-s-OFDM 64QAM	1	1	18.08	18.04	17.91	18.50
	DFT-s-OFDM 256QAM	1	1	17.15	16.95	17.05	18.50
CP-OFDM QPSK	1	1	17.93	17.86	17.97	18.50	
CP-OFDM 16QAM	1	1	17.37	17.57	17.69	18.50	
CP-OFDM 64QAM	1	1	17.97	18.01	17.87	18.50	
CP-OFDM 256QAM	1	1	17.06	16.89	16.73	18.00	

## 8.6.3 NR Band7 Output Power

## N7-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.42	23.42	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.49	23.37	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.62	23.71	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.49	23.68	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.60	24.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.53	23.60	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.48	23.61	23.48	24.50
		1	108	23.40	23.33	23.32	24.50
		1	214	23.35	23.50	23.26	24.50
	DFT-s-OFDM BPSK	108	0	23.25	23.64	23.05	24.50
		108	54	23.43	23.36	23.42	24.50
		108	108	23.29	23.27	23.28	24.50
	DFT-s-OFDM BPSK	216	0	22.28	22.28	22.31	23.50
		1	1	23.48	23.51	23.40	24.50
		1	108	23.34	23.42	23.38	24.50
	DFT-s-OFDM QPSK	1	214	23.40	23.39	23.36	24.50
		108	0	23.36	23.51	23.16	24.50
		108	54	23.46	23.31	23.38	24.50
	DFT-s-OFDM QPSK	108	108	23.42	23.35	23.15	24.50
		216	0	22.21	22.34	22.29	23.50
		1	1	22.52	22.49	22.33	23.50
	DFT-s-OFDM 16QAM	1	1	22.52	22.49	22.33	23.50
	DFT-s-OFDM 64QAM	1	1	21.12	21.00	21.18	22.00
	DFT-s-OFDM 256QAM	1	1	19.00	18.99	18.88	20.00
CP-OFDM QPSK	1	1	21.77	21.95	22.12	23.00	
CP-OFDM 16QAM	1	1	21.20	21.00	20.88	22.50	
CP-OFDM 64QAM	1	1	20.03	19.87	19.98	21.00	
CP-OFDM 256QAM	1	1	17.05	16.94	16.98	18.00	

## N7-ANT11 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	15.35	15.32	15.67	16.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	15.43	15.32	15.53	16.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	15.50	15.41	15.37	16.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	15.18	15.46	15.44	16.00
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	15.49	15.58	15.55	16.00
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	15.48	15.53	15.61	16.00
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	15.25	15.54	15.66	16.00
		1	108	15.37	15.54	15.61	16.00
		1	214	15.61	15.54	15.70	16.00
	DFT-s-OFDM BPSK	108	0	15.49	15.12	15.35	16.00
		108	54	15.24	15.34	15.32	16.00
		108	108	15.39	15.38	15.46	16.00
	DFT-s-OFDM BPSK	216	0	15.85	15.48	15.62	16.00
		1	1	15.36	15.50	15.56	16.00
		1	108	15.48	15.61	15.47	16.00
	DFT-s-OFDM QPSK	1	214	15.52	15.48	15.58	16.00
		108	0	15.42	15.20	15.21	16.00
		108	54	15.36	15.39	15.30	16.00
	DFT-s-OFDM QPSK	108	108	15.24	15.40	15.50	16.00
		216	0	15.72	15.52	15.61	16.00
		1	1	15.51	15.50	15.31	16.00
	DFT-s-OFDM 16QAM	1	1	15.51	15.50	15.31	16.00
	DFT-s-OFDM 64QAM	1	1	15.39	15.48	15.37	16.00
DFT-s-OFDM 256QAM	1	1	15.45	15.62	15.70	16.00	
CP-OFDM QPSK	1	1	15.54	15.53	15.62	16.00	
CP-OFDM 16QAM	1	1	15.20	15.31	15.43	16.00	
CP-OFDM 64QAM	1	1	15.38	15.46	15.63	16.00	
CP-OFDM 256QAM	1	1	15.25	15.44	15.52	16.00	

## N7-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	23.42	23.42	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	23.49	23.37	23.20	24.50
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	23.62	23.71	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	23.49	23.68	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.60	24.50
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	23.53	23.60	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	23.48	23.61	23.48	24.50
		1	108	23.40	23.33	23.32	24.50
		1	214	23.35	23.50	23.26	24.50
	DFT-s-OFDM BPSK	108	0	23.25	23.64	23.05	24.50
		108	54	23.43	23.36	23.42	24.50
		108	108	23.29	23.27	23.28	24.50
	DFT-s-OFDM BPSK	216	0	22.28	22.28	22.31	23.50
		1	1	23.48	23.51	23.40	24.50
		1	108	23.34	23.42	23.38	24.50
	DFT-s-OFDM QPSK	1	214	23.40	23.39	23.36	24.50
		108	0	23.36	23.51	23.16	24.50
		108	54	23.46	23.31	23.38	24.50
	DFT-s-OFDM QPSK	108	108	23.42	23.35	23.15	24.50
		216	0	22.21	22.34	22.29	23.50
		1	1	22.52	22.49	22.33	23.50
	DFT-s-OFDM 16QAM	1	1	22.52	22.49	22.33	23.50
	DFT-s-OFDM 64QAM	1	1	21.12	21.00	21.18	22.00
DFT-s-OFDM 256QAM	1	1	19.00	18.99	18.88	20.00	
CP-OFDM QPSK	1	1	21.77	21.95	22.12	23.00	
CP-OFDM 16QAM	1	1	21.20	21.00	20.88	22.50	
CP-OFDM 64QAM	1	1	20.03	19.87	19.98	21.00	
CP-OFDM 256QAM	1	1	17.05	16.94	16.98	18.00	

## N7-ANT11 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	16.38	16.76	16.59	17.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	16.68	16.50	16.55	17.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	16.44	16.40	16.24	17.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	16.40	16.52	16.55	17.00
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	16.62	16.57	16.51	17.00
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	16.59	16.66	16.40	17.00
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	16.57	16.44	16.58	17.00
		1	108	16.40	16.76	16.53	17.00
		1	214	16.70	16.41	16.41	17.00
	DFT-s-OFDM BPSK	108	0	16.70	16.75	16.73	17.00
		108	54	16.27	16.41	16.58	17.00
		108	108	16.19	16.46	16.55	17.00
	DFT-s-OFDM BPSK	216	0	16.51	16.57	16.29	17.00
		1	1	16.50	16.56	16.43	17.00
		1	108	16.47	16.63	16.62	17.00
	DFT-s-OFDM QPSK	1	214	16.57	16.51	16.47	17.00
		108	0	16.55	16.69	16.62	17.00
		108	54	16.39	16.49	16.48	17.00
	DFT-s-OFDM QPSK	108	108	16.31	16.39	16.60	17.00
		216	0	16.47	16.52	16.39	17.00
		1	1	16.58	16.68	16.50	17.00
	DFT-s-OFDM 16QAM	1	1	16.58	16.68	16.50	17.00
	DFT-s-OFDM 64QAM	1	1	16.48	16.64	16.51	17.00
DFT-s-OFDM 256QAM	1	1	16.82	16.69	16.73	17.00	
CP-OFDM QPSK	1	1	16.63	16.48	16.48	17.00	
CP-OFDM 16QAM	1	1	16.40	16.34	16.54	17.00	
CP-OFDM 64QAM	1	1	16.73	16.61	16.70	17.00	
CP-OFDM 256QAM	1	1	16.49	16.48	16.31	17.00	

## N7-ANT11 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500500	507000	513500	Tune-up power(dB)
		RB Size	RB offset	2502.5	2535	2567.5	
5	DFT-s-OFDM BPSK	1	1	15.35	15.32	15.67	16.00
Bandwidth (MHz)	Modulation	Channel		501000	507000	513000	Tune-up power(dB)
		RB Size	RB offset	2505	2535	2565	
10	DFT-s-OFDM BPSK	1	1	15.43	15.32	15.53	16.00
Bandwidth (MHz)	Modulation	Channel		501500	507000	512500	Tune-up power(dB)
		RB Size	RB offset	2507.5	2535	2562.5	
15	DFT-s-OFDM BPSK	1	1	15.50	15.41	15.37	16.00
Bandwidth (MHz)	Modulation	Channel		502000	507000	512000	Tune-up power(dB)
		RB Size	RB offset	2510	2535	2560	
20	DFT-s-OFDM BPSK	1	1	15.18	15.46	15.44	16.00
Bandwidth (MHz)	Modulation	Channel		502500	507000	511500	Tune-up power(dB)
		RB Size	RB offset	2512.5	2535	2557.5	
25	DFT-s-OFDM BPSK	1	1	15.49	15.58	15.55	16.00
Bandwidth (MHz)	Modulation	Channel		503000	507000	511000	Tune-up power(dB)
		RB Size	RB offset	2515	2535	2555	
30	DFT-s-OFDM BPSK	1	1	15.48	15.53	15.61	16.00
Bandwidth (MHz)	Modulation	Channel		504000	507000	510000	Tune-up power(dB)
		RB Size	RB offset	2520	2535	2550	
40	DFT-s-OFDM BPSK	1	1	15.25	15.54	15.66	16.00
		1	108	15.37	15.54	15.61	16.00
		1	214	15.61	15.54	15.70	16.00
	DFT-s-OFDM BPSK	108	0	15.49	15.12	15.35	16.00
		108	54	15.24	15.34	15.32	16.00
		108	108	15.39	15.38	15.46	16.00
	DFT-s-OFDM BPSK	216	0	15.85	15.48	15.62	16.00
		1	1	15.36	15.50	15.56	16.00
		1	108	15.48	15.61	15.47	16.00
	DFT-s-OFDM QPSK	1	214	15.52	15.48	15.58	16.00
		108	0	15.42	15.20	15.21	16.00
		108	54	15.36	15.39	15.30	16.00
	DFT-s-OFDM QPSK	108	108	15.24	15.40	15.50	16.00
		216	0	15.72	15.52	15.61	16.00
		1	1	15.51	15.50	15.31	16.00
	DFT-s-OFDM 16QAM	1	1	15.51	15.50	15.31	16.00
	DFT-s-OFDM 64QAM	1	1	15.39	15.48	15.37	16.00
DFT-s-OFDM 256QAM	1	1	15.45	15.62	15.70	16.00	
CP-OFDM QPSK	1	1	15.54	15.53	15.62	16.00	
CP-OFDM 16QAM	1	1	15.20	15.31	15.43	16.00	
CP-OFDM 64QAM	1	1	15.38	15.46	15.63	16.00	
CP-OFDM 256QAM	1	1	15.25	15.44	15.52	16.00	

## 8.6.4 NR Band26 Output Power

## N26-ANT13 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		163300	166300	169300	Tune-up power(dB)
		RB Size	RB offset	816.5	831.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.80	24.13	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		163800	166300	168800	Tune-up power(dB)
		RB Size	RB offset	819	831.5	844	
10	DFT-s-OFDM BPSK	1	1	23.79	24.05	24.17	25.00
Bandwidth (MHz)	Modulation	Channel		164300	166300	168300	Tune-up power(dB)
		RB Size	RB offset	821.5	831.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.80	24.06	23.91	25.00
Bandwidth (MHz)	Modulation	Channel		164800	166300	167800	Tune-up power(dB)
		RB Size	RB offset	824	831.5	839	
20	DFT-s-OFDM BPSK	1	1	23.85	24.11	24.11	25.00
		1	53	24.06	23.91	24.06	25.00
		1	104	23.96	24.11	24.07	25.00
	DFT-s-OFDM BPSK	50	0	23.44	23.21	23.58	25.00
		50	28	24.09	23.80	23.99	25.00
		50	56	23.33	23.23	23.25	25.00
	DFT-s-OFDM BPSK	100	0	23.33	22.97	23.26	24.00
	DFT-s-OFDM QPSK	1	1	23.97	24.07	24.09	25.00
		1	53	24.02	24.04	24.05	25.00
		1	104	24.10	24.13	24.09	25.00
	DFT-s-OFDM QPSK	50	0	23.34	23.34	23.50	25.00
		50	28	23.98	23.93	23.87	25.00
		50	56	23.47	23.28	23.23	25.00
	DFT-s-OFDM QPSK	100	0	23.19	23.01	23.19	24.00
	DFT-s-OFDM 16QAM	1	1	22.87	23.03	22.94	24.00
	DFT-s-OFDM 64QAM	1	1	21.51	21.59	21.54	22.50
	DFT-s-OFDM 256QAM	1	1	19.48	19.58	19.40	20.50
	CP-OFDM QPSK	1	1	22.36	22.44	22.42	23.50
	CP-OFDM 16QAM	1	1	21.47	21.62	21.79	23.00
	CP-OFDM 64QAM	1	1	20.43	20.43	20.35	21.50
CP-OFDM 256QAM	1	1	17.57	17.41	17.31	18.50	

## N26-ANT13 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		163300	166300	169300	Tune-up power(dB)
		RB Size	RB offset	816.5	831.5	846.5	
5	DFT-s-OFDM BPSK	1	1	21.88	22.06	22.07	23.00
Bandwidth (MHz)	Modulation	Channel		163800	166300	168800	Tune-up power(dB)
		RB Size	RB offset	819	831.5	844	
10	DFT-s-OFDM BPSK	1	1	22.05	22.19	22.03	23.00
Bandwidth (MHz)	Modulation	Channel		164300	166300	168300	Tune-up power(dB)
		RB Size	RB offset	821.5	831.5	841.5	
15	DFT-s-OFDM BPSK	1	1	21.79	22.02	22.13	23.00
Bandwidth (MHz)	Modulation	Channel		164800	166300	167800	Tune-up power(dB)
		RB Size	RB offset	824	831.5	839	
20	DFT-s-OFDM BPSK	1	1	21.94	21.90	22.06	23.00
		1	53	21.91	21.94	22.05	23.00
		1	104	21.96	22.01	22.05	23.00
	DFT-s-OFDM BPSK	50	0	21.93	21.86	22.15	23.00
		50	28	21.92	21.98	21.69	23.00
		50	56	22.11	22.10	22.09	23.00
	DFT-s-OFDM BPSK	100	0	21.85	22.06	21.75	23.00
	DFT-s-OFDM QPSK	1	1	21.98	22.02	21.98	23.00
		1	53	22.02	22.00	21.95	23.00
		1	104	22.05	22.09	22.01	23.00
	DFT-s-OFDM QPSK	50	0	21.83	21.98	22.03	23.00
		50	28	22.00	21.97	21.78	23.00
		50	56	22.17	22.06	21.96	23.00
	DFT-s-OFDM QPSK	100	0	21.92	22.00	21.83	23.00
	DFT-s-OFDM 16QAM	1	1	22.09	22.05	22.03	23.00
	DFT-s-OFDM 64QAM	1	1	21.39	21.57	21.50	22.50
	DFT-s-OFDM 256QAM	1	1	19.72	19.59	19.75	20.50
	CP-OFDM QPSK	1	1	22.04	21.87	21.78	23.00
	CP-OFDM 16QAM	1	1	21.75	21.60	21.68	23.00
CP-OFDM 64QAM	1	1	20.48	20.42	20.45	21.50	
CP-OFDM 256QAM	1	1	17.27	17.35	17.21	18.50	



**N26-ANT13 DSI4&5&8&9&10(Only for SA)**

Bandwidth (MHz)	Modulation	Channel		163300	166300	169300	Tune-up power(dB)
		RB Size	RB offset	816.5	831.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.80	24.13	24.14	25.00
Bandwidth (MHz)	Modulation	Channel		163800	166300	168800	Tune-up power(dB)
		RB Size	RB offset	819	831.5	844	
10	DFT-s-OFDM BPSK	1	1	23.79	24.05	24.17	25.00
Bandwidth (MHz)	Modulation	Channel		164300	166300	168300	Tune-up power(dB)
		RB Size	RB offset	821.5	831.5	841.5	
15	DFT-s-OFDM BPSK	1	1	23.80	24.06	23.91	25.00
Bandwidth (MHz)	Modulation	Channel		164800	166300	167800	Tune-up power(dB)
		RB Size	RB offset	824	831.5	839	
20	DFT-s-OFDM BPSK	1	1	23.85	24.11	24.11	25.00
		1	53	24.06	23.91	24.06	25.00
		1	104	23.96	24.11	24.07	25.00
	DFT-s-OFDM BPSK	50	0	23.44	23.21	23.58	25.00
		50	28	24.09	23.80	23.99	25.00
		50	56	23.33	23.23	23.25	25.00
	DFT-s-OFDM BPSK	100	0	23.33	22.97	23.26	24.00
	DFT-s-OFDM QPSK	1	1	23.97	24.07	24.09	25.00
		1	53	24.02	24.04	24.05	25.00
		1	104	24.10	24.13	24.09	25.00
	DFT-s-OFDM QPSK	50	0	23.34	23.34	23.50	25.00
		50	28	23.98	23.93	23.87	25.00
		50	56	23.47	23.28	23.23	25.00
	DFT-s-OFDM QPSK	100	0	23.19	23.01	23.19	24.00
	DFT-s-OFDM 16QAM	1	1	22.87	23.03	22.94	24.00
	DFT-s-OFDM 64QAM	1	1	21.51	21.59	21.54	22.50
	DFT-s-OFDM 256QAM	1	1	19.48	19.58	19.40	20.50
	CP-OFDM QPSK	1	1	22.36	22.44	22.42	23.50
	CP-OFDM 16QAM	1	1	21.47	21.62	21.79	23.00
	CP-OFDM 64QAM	1	1	20.43	20.43	20.35	21.50
CP-OFDM 256QAM	1	1	17.57	17.41	17.31	18.50	

## 8.6.4 NR Band26 Output Power

## N26-ANT31 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		163300	166300	169300	Tune-up power(dB)
		RB Size	RB offset	816.5	831.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.86	24.03	24.24	25.00
Bandwidth (MHz)	Modulation	Channel		163800	166300	168800	Tune-up power(dB)
		RB Size	RB offset	819	831.5	844	
10	DFT-s-OFDM BPSK	1	1	23.92	24.27	24.13	25.00
Bandwidth (MHz)	Modulation	Channel		164300	166300	168300	Tune-up power(dB)
		RB Size	RB offset	821.5	831.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.02	23.91	24.13	25.00
Bandwidth (MHz)	Modulation	Channel		164800	166300	167800	Tune-up power(dB)
		RB Size	RB offset	824	831.5	839	
20	DFT-s-OFDM BPSK	1	1	23.90	24.11	24.18	25.00
		1	53	23.92	24.10	24.17	25.00
		1	104	23.98	24.38	24.18	25.00
	DFT-s-OFDM BPSK	50	0	23.33	23.22	23.29	25.00
		50	28	23.89	23.82	23.86	25.00
		50	56	23.38	23.10	23.08	25.00
	DFT-s-OFDM BPSK	100	0	22.81	22.93	22.85	24.00
	DFT-s-OFDM QPSK	1	1	24.03	24.08	24.06	25.00
		1	53	24.04	24.13	24.12	25.00
		1	104	24.10	24.23	24.09	25.00
	DFT-s-OFDM QPSK	50	0	23.42	23.24	23.23	25.00
		50	28	23.86	23.89	23.78	25.00
		50	56	23.27	23.18	23.13	25.00
	DFT-s-OFDM QPSK	100	0	22.77	22.94	22.76	24.00
	DFT-s-OFDM 16QAM	1	1	23.01	23.12	23.29	24.00
	DFT-s-OFDM 64QAM	1	1	21.51	21.59	21.78	22.50
	DFT-s-OFDM 256QAM	1	1	19.76	19.63	19.54	20.50
	CP-OFDM QPSK	1	1	22.43	22.39	22.29	23.50
	CP-OFDM 16QAM	1	1	21.67	21.58	21.67	23.00
	CP-OFDM 64QAM	1	1	20.53	20.46	20.37	21.50
CP-OFDM 256QAM	1	1	17.21	17.41	17.58	18.50	

**N26-ANT31 DSI2&3&4&5&8&9&10(Only for SA)**

Bandwidth (MHz)	Modulation	Channel		163300	166300	169300	Tune-up power(dB)
		RB Size	RB offset	816.5	831.5	846.5	
5	DFT-s-OFDM BPSK	1	1	23.86	24.03	24.24	25.00
Bandwidth (MHz)	Modulation	Channel		163800	166300	168800	Tune-up power(dB)
		RB Size	RB offset	819	831.5	844	
10	DFT-s-OFDM BPSK	1	1	23.92	24.27	24.13	25.00
Bandwidth (MHz)	Modulation	Channel		164300	166300	168300	Tune-up power(dB)
		RB Size	RB offset	821.5	831.5	841.5	
15	DFT-s-OFDM BPSK	1	1	24.02	23.91	24.13	25.00
Bandwidth (MHz)	Modulation	Channel		164800	166300	167800	Tune-up power(dB)
		RB Size	RB offset	824	831.5	839	
20	DFT-s-OFDM BPSK	1	1	23.90	24.11	24.18	25.00
		1	53	23.92	24.10	24.17	25.00
		1	104	23.98	24.38	24.18	25.00
	DFT-s-OFDM BPSK	50	0	23.33	23.22	23.29	25.00
		50	28	23.89	23.82	23.86	25.00
		50	56	23.38	23.10	23.08	25.00
	DFT-s-OFDM BPSK	100	0	22.81	22.93	22.85	24.00
	DFT-s-OFDM QPSK	1	1	24.03	24.08	24.06	25.00
		1	53	24.04	24.13	24.12	25.00
		1	104	24.10	24.23	24.09	25.00
	DFT-s-OFDM QPSK	50	0	23.42	23.24	23.23	25.00
		50	28	23.86	23.89	23.78	25.00
		50	56	23.27	23.18	23.13	25.00
	DFT-s-OFDM QPSK	100	0	22.77	22.94	22.76	24.00
	DFT-s-OFDM 16QAM	1	1	23.01	23.12	23.29	24.00
	DFT-s-OFDM 64QAM	1	1	21.51	21.59	21.78	22.50
	DFT-s-OFDM 256QAM	1	1	19.76	19.63	19.54	20.50
	CP-OFDM QPSK	1	1	22.43	22.39	22.29	23.50
	CP-OFDM 16QAM	1	1	21.67	21.58	21.67	23.00
	CP-OFDM 64QAM	1	1	20.53	20.46	20.37	21.50
CP-OFDM 256QAM	1	1	17.21	17.41	17.58	18.50	

## 8.6.5 NR Band38 Output Power

## N38-ANT13 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.17	23.46	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.22	23.47	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.30	23.60	23.60	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.02	23.81	23.37	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.18	23.50	23.39	24.50
		1	53	23.42	23.36	23.36	24.50
		1	104	23.36	23.58	23.37	24.50
	DFT-s-OFDM BPSK	50	0	23.42	23.12	23.55	24.50
		50	28	23.25	23.42	23.52	24.50
		50	56	23.42	23.34	23.36	24.50
	DFT-s-OFDM BPSK	100	0	22.24	22.18	22.39	23.50
	DFT-s-OFDM QPSK	1	1	23.15	23.61	23.40	24.50
		1	53	23.44	23.47	23.29	24.50
		1	104	23.38	23.48	23.33	24.50
	DFT-s-OFDM QPSK	50	0	23.31	23.25	23.53	24.50
		50	28	23.34	23.34	23.41	24.50
		50	56	23.28	23.28	23.38	24.50
	DFT-s-OFDM QPSK	100	0	22.15	22.33	22.39	23.50
	DFT-s-OFDM 16QAM	1	1	22.89	22.70	22.71	23.50
	DFT-s-OFDM 64QAM	1	1	21.20	21.24	21.17	22.00
	DFT-s-OFDM 256QAM	1	1	19.03	19.09	19.09	20.00
	CP-OFDM QPSK	1	1	21.85	22.01	22.03	23.00
CP-OFDM 16QAM	1	1	21.08	21.16	21.29	22.50	
CP-OFDM 64QAM	1	1	20.25	20.13	20.30	21.00	
CP-OFDM 256QAM	1	1	17.05	17.04	17.09	18.00	

## N38-ANT13 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	13.12	13.35	13.16	14.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	13.08	13.17	13.06	14.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	12.88	13.26	13.14	14.00
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	12.81	13.30	12.81	14.00
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	13.05	13.18	12.99	14.00
		1	53	12.88	13.14	13.18	14.00
		1	104	13.05	13.13	13.05	14.00
	DFT-s-OFDM BPSK	50	0	13.18	13.06	13.23	14.00
		50	28	13.10	12.94	13.22	14.00
		50	56	12.88	13.09	13.20	14.00
	DFT-s-OFDM BPSK	100	0	13.31	13.17	12.94	14.00
		1	1	12.94	13.20	13.00	14.00
		1	53	13.00	13.18	13.04	14.00
	DFT-s-OFDM QPSK	1	104	13.14	13.13	12.94	14.00
		50	0	13.26	12.97	13.14	14.00
		50	28	13.25	13.08	13.08	14.00
	DFT-s-OFDM QPSK	50	56	12.96	13.17	13.21	14.00
		100	0	13.18	13.09	13.01	14.00
		1	1	13.42	13.43	13.45	14.00
	DFT-s-OFDM 16QAM	1	1	13.42	13.43	13.45	14.00
	DFT-s-OFDM 64QAM	1	1	13.19	13.30	13.13	14.00
	DFT-s-OFDM 256QAM	1	1	13.28	13.29	13.45	14.00
CP-OFDM QPSK	1	1	13.01	13.18	13.35	14.00	
CP-OFDM 16QAM	1	1	12.72	12.87	12.67	14.00	
CP-OFDM 64QAM	1	1	13.11	13.28	13.48	14.00	
CP-OFDM 256QAM	1	1	13.29	13.09	12.97	14.00	

## N38-ANT13 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	20.78	21.28	21.02	22.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	20.65	20.99	21.28	22.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	20.66	21.35	21.10	22.00
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	20.68	21.07	20.96	22.00
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	20.67	21.03	21.06	22.00
		1	53	20.80	21.04	21.19	22.00
		1	104	21.22	21.08	21.02	22.00
	DFT-s-OFDM BPSK	50	0	20.99	21.06	20.70	22.00
		50	28	20.87	20.99	20.93	22.00
		50	56	20.80	21.08	21.19	22.00
	DFT-s-OFDM BPSK	100	0	21.01	20.85	21.08	22.00
		1	1	20.79	21.15	21.11	22.00
		1	53	20.92	21.06	21.08	22.00
	DFT-s-OFDM QPSK	1	104	21.12	21.04	21.00	22.00
		50	0	20.88	20.94	20.75	22.00
		50	28	20.93	20.94	20.78	22.00
	DFT-s-OFDM QPSK	50	56	20.83	21.00	21.07	22.00
		100	0	21.15	20.98	21.12	22.00
		1	1	21.06	21.18	21.17	22.00
	DFT-s-OFDM 16QAM	1	1	21.06	21.18	21.17	22.00
	DFT-s-OFDM 64QAM	1	1	21.24	21.13	21.31	22.00
	DFT-s-OFDM 256QAM	1	1	19.20	19.16	19.25	20.00
CP-OFDM QPSK	1	1	20.90	21.06	20.95	22.00	
CP-OFDM 16QAM	1	1	20.84	20.68	20.80	22.00	
CP-OFDM 64QAM	1	1	20.21	20.12	20.19	21.00	
CP-OFDM 256QAM	1	1	17.18	17.02	17.09	18.00	

## N38-ANT13 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)	
		RB Size	RB offset	2575	2595	2615		
10	DFT-s-OFDM BPSK	1	1	18.31	18.72	18.35	19.50	
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)	
		RB Size	RB offset	2577.5	2595	2612.5		
15	DFT-s-OFDM BPSK	1	1	18.57	18.74	18.45	19.50	
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)	
		RB Size	RB offset	2580	2595	2610		
20	DFT-s-OFDM BPSK	1	1	18.59	18.58	18.23	19.50	
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)	
		RB Size	RB offset	2585	2595	2605		
30	DFT-s-OFDM BPSK	1	1	18.60	18.60	18.56	19.50	
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)	
		RB Size	RB offset	2590	2595	2600		
40	DFT-s-OFDM BPSK	1	1	18.54	18.67	18.57	19.50	
		1	53	18.15	18.35	18.31	19.50	
		1	104	18.27	18.35	18.55	19.50	
	DFT-s-OFDM BPSK	50	0	18.34	18.20	18.25	19.50	
		50	28	18.18	18.37	18.45	19.50	
		50	56	18.59	18.32	18.09	19.50	
	DFT-s-OFDM BPSK	100	0	18.28	18.33	18.38	19.50	
		DFT-s-OFDM QPSK	1	1	18.44	18.58	18.42	19.50
			1	53	18.18	18.43	18.27	19.50
	1		104	18.32	18.42	18.55	19.50	
	DFT-s-OFDM QPSK	50	0	18.42	18.19	18.16	19.50	
		50	28	18.32	18.35	18.52	19.50	
		50	56	18.46	18.31	18.24	19.50	
	DFT-s-OFDM QPSK	100	0	18.17	18.34	18.45	19.50	
	DFT-s-OFDM 16QAM	1	1	18.59	18.61	18.52	19.50	
	DFT-s-OFDM 64QAM	1	1	18.83	18.65	18.85	19.50	
	DFT-s-OFDM 256QAM	1	1	18.70	18.64	18.53	19.50	
	CP-OFDM QPSK	1	1	18.55	18.54	18.38	19.50	
CP-OFDM 16QAM	1	1	18.39	18.25	18.11	19.50		
CP-OFDM 64QAM	1	1	18.43	18.50	18.34	19.50		
CP-OFDM 256QAM	1	1	17.07	17.00	16.89	18.00		

## N38-ANT13 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)	
		RB Size	RB offset	2575	2595	2615		
10	DFT-s-OFDM BPSK	1	1	14.44	14.53	14.97	15.50	
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)	
		RB Size	RB offset	2577.5	2595	2612.5		
15	DFT-s-OFDM BPSK	1	1	14.66	14.76	14.96	15.50	
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)	
		RB Size	RB offset	2580	2595	2610		
20	DFT-s-OFDM BPSK	1	1	14.45	14.74	14.69	15.50	
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)	
		RB Size	RB offset	2585	2595	2605		
30	DFT-s-OFDM BPSK	1	1	14.41	14.52	14.85	15.50	
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)	
		RB Size	RB offset	2590	2595	2600		
40	DFT-s-OFDM BPSK	1	1	14.64	14.78	14.72	15.50	
		1	53	14.52	14.62	14.82	15.50	
		1	104	14.69	14.77	14.47	15.50	
	DFT-s-OFDM BPSK	50	0	14.73	14.43	14.64	15.50	
		50	28	14.52	14.66	14.58	15.50	
		50	56	14.55	14.52	14.59	15.50	
	DFT-s-OFDM BPSK	100	0	14.38	14.47	14.82	15.50	
		DFT-s-OFDM QPSK	1	1	14.52	14.72	14.80	15.50
			1	53	14.45	14.63	14.76	15.50
	1		104	14.64	14.69	14.45	15.50	
	DFT-s-OFDM QPSK	50	0	14.69	14.55	14.65	15.50	
		50	28	14.50	14.60	14.43	15.50	
		50	56	14.67	14.50	14.72	15.50	
	DFT-s-OFDM QPSK	100	0	14.43	14.52	14.71	15.50	
	DFT-s-OFDM 16QAM	1	1	14.17	14.36	14.40	15.50	
	DFT-s-OFDM 64QAM	1	1	14.65	14.62	14.55	15.50	
	DFT-s-OFDM 256QAM	1	1	14.38	14.54	14.66	15.50	
	CP-OFDM QPSK	1	1	14.76	14.62	14.53	15.50	
CP-OFDM 16QAM	1	1	14.56	14.38	14.33	15.50		
CP-OFDM 64QAM	1	1	14.58	14.64	14.44	15.50		
CP-OFDM 256QAM	1	1	14.73	14.60	14.67	15.50		



## 8.6.5 NR Band38 Output Power

## N38-ANT31 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.47	23.35	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.18	23.55	23.31	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.54	23.51	23.45	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.17	23.36	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.24	23.38	23.42	24.50
		1	53	23.57	23.56	23.33	24.50
		1	104	23.24	23.45	23.44	24.50
	DFT-s-OFDM BPSK	50	0	23.21	23.13	23.15	24.50
		50	28	23.26	23.23	23.39	24.50
		50	56	23.22	23.09	23.34	24.50
	DFT-s-OFDM BPSK	100	0	22.34	22.14	22.51	23.50
		1	1	23.34	23.47	23.41	24.50
		1	53	23.42	23.46	23.48	24.50
	DFT-s-OFDM QPSK	1	104	23.38	23.37	23.40	24.50
		50	0	23.07	23.21	23.28	24.50
		50	28	23.36	23.25	23.34	24.50
	DFT-s-OFDM QPSK	50	56	23.31	23.21	23.38	24.50
		100	0	22.42	22.25	22.38	23.50
		DFT-s-OFDM 16QAM	1	1	22.83	22.68	22.52
	DFT-s-OFDM 64QAM	1	1	21.00	21.11	21.08	22.00
	DFT-s-OFDM 256QAM	1	1	19.12	19.08	19.23	20.00
CP-OFDM QPSK	1	1	21.84	22.02	21.94	23.00	
CP-OFDM 16QAM	1	1	20.93	21.07	21.22	22.50	
CP-OFDM 64QAM	1	1	19.82	20.02	19.94	21.00	
CP-OFDM 256QAM	1	1	16.90	16.95	16.88	18.00	

## N38-ANT31 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.47	23.35	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.18	23.55	23.31	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.54	23.51	23.45	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.17	23.36	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.24	23.38	23.42	24.50
		1	53	23.57	23.56	23.33	24.50
		1	104	23.24	23.45	23.44	24.50
	DFT-s-OFDM BPSK	50	0	23.21	23.13	23.15	24.50
		50	28	23.26	23.23	23.39	24.50
		50	56	23.22	23.09	23.34	24.50
	DFT-s-OFDM BPSK	100	0	22.34	22.14	22.51	23.50
		1	1	23.34	23.47	23.41	24.50
		1	53	23.42	23.46	23.48	24.50
	DFT-s-OFDM QPSK	1	104	23.38	23.37	23.40	24.50
		50	0	23.07	23.21	23.28	24.50
		50	28	23.36	23.25	23.34	24.50
	DFT-s-OFDM QPSK	50	56	23.31	23.21	23.38	24.50
		100	0	22.42	22.25	22.38	23.50
		DFT-s-OFDM 16QAM	1	1	22.83	22.68	22.52
	DFT-s-OFDM 64QAM	1	1	21.00	21.11	21.08	22.00
	DFT-s-OFDM 256QAM	1	1	19.12	19.08	19.23	20.00
CP-OFDM QPSK	1	1	21.84	22.02	21.94	23.00	
CP-OFDM 16QAM	1	1	20.93	21.07	21.22	22.50	
CP-OFDM 64QAM	1	1	19.82	20.02	19.94	21.00	
CP-OFDM 256QAM	1	1	16.90	16.95	16.88	18.00	

## N38-ANT31 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	21.22	21.67	21.53	22.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	21.34	21.52	21.57	22.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	21.50	21.60	21.49	22.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	21.31	21.36	21.59	22.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	21.33	21.55	21.42	22.50
		1	53	21.31	21.36	21.40	22.50
		1	104	21.42	21.20	21.50	22.50
	DFT-s-OFDM BPSK	50	0	21.58	21.56	21.41	22.50
		50	28	21.37	21.23	21.42	22.50
		50	56	21.59	21.30	21.29	22.50
	DFT-s-OFDM BPSK	100	0	21.37	21.29	21.11	22.50
		1	1	21.34	21.52	21.48	22.50
		1	53	21.42	21.46	21.35	22.50
	DFT-s-OFDM QPSK	1	104	21.31	21.34	21.38	22.50
		50	0	21.46	21.54	21.34	22.50
		50	28	21.23	21.37	21.47	22.50
	DFT-s-OFDM QPSK	50	56	21.53	21.26	21.40	22.50
		100	0	21.29	21.23	21.11	22.50
		1	1	21.86	21.72	21.53	22.50
	DFT-s-OFDM 16QAM	1	1	21.86	21.72	21.53	22.50
	DFT-s-OFDM 64QAM	1	1	21.28	21.09	21.02	22.00
DFT-s-OFDM 256QAM	1	1	19.20	19.11	19.18	20.00	
CP-OFDM QPSK	1	1	21.49	21.54	21.49	22.50	
CP-OFDM 16QAM	1	1	21.20	21.13	21.21	22.50	
CP-OFDM 64QAM	1	1	20.00	20.07	20.22	21.00	
CP-OFDM 256QAM	1	1	16.93	17.05	16.91	18.00	

## N38-ANT31 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	20.55	20.55	20.51	21.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	20.30	20.43	20.36	21.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	20.54	20.44	20.39	21.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	20.28	20.41	20.53	21.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	20.44	20.50	20.49	21.50
		1	53	20.45	20.46	20.38	21.50
		1	104	20.16	20.49	20.39	21.50
	DFT-s-OFDM BPSK	50	0	20.42	19.95	20.33	21.50
		50	28	20.35	20.32	20.13	21.50
		50	56	20.34	20.07	20.52	21.50
	DFT-s-OFDM BPSK	100	0	20.27	20.32	20.06	21.50
		1	1	20.38	20.46	20.42	21.50
		1	53	20.35	20.37	20.31	21.50
	DFT-s-OFDM QPSK	1	104	20.25	20.37	20.29	21.50
		50	0	20.31	20.08	20.18	21.50
		50	28	20.37	20.24	20.09	21.50
	DFT-s-OFDM QPSK	50	56	20.35	20.05	20.44	21.50
		100	0	20.12	20.24	20.16	21.50
		DFT-s-OFDM 16QAM	1	1	20.51	20.56	20.55
	DFT-s-OFDM 64QAM	1	1	20.36	20.53	20.71	21.50
	DFT-s-OFDM 256QAM	1	1	18.93	19.03	18.91	20.00
CP-OFDM QPSK	1	1	20.41	20.40	20.49	21.50	
CP-OFDM 16QAM	1	1	20.14	20.03	19.89	21.50	
CP-OFDM 64QAM	1	1	19.99	20.05	19.90	21.00	
CP-OFDM 256QAM	1	1	17.11	17.00	16.85	18.00	

## 8.6.5 NR Band38 Output Power

## N38-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.68	23.70	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.42	23.55	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.56	23.79	23.68	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.35	23.82	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.48	23.61	23.65	24.50
		1	53	23.61	23.64	23.39	24.50
		1	104	23.49	23.50	23.35	24.50
	DFT-s-OFDM BPSK	50	0	23.43	23.18	23.19	24.50
		50	28	23.29	23.28	23.53	24.50
		50	56	23.43	23.55	23.48	24.50
	DFT-s-OFDM BPSK	100	0	22.19	22.60	22.53	23.50
	DFT-s-OFDM QPSK	1	1	23.54	23.64	23.53	24.50
		1	53	23.60	23.61	23.54	24.50
		1	104	23.58	23.52	23.48	24.50
	DFT-s-OFDM QPSK	50	0	23.56	23.23	23.23	24.50
		50	28	23.24	23.43	23.61	24.50
		50	56	23.53	23.53	23.58	24.50
	DFT-s-OFDM QPSK	100	0	22.26	22.46	22.50	23.50
	DFT-s-OFDM 16QAM	1	1	22.80	22.72	22.52	23.50
	DFT-s-OFDM 64QAM	1	1	21.21	21.41	21.58	22.00
	DFT-s-OFDM 256QAM	1	1	19.43	19.30	19.22	20.00
CP-OFDM QPSK	1	1	22.32	22.23	22.37	23.00	
CP-OFDM 16QAM	1	1	21.24	21.39	21.51	22.50	
CP-OFDM 64QAM	1	1	20.21	20.21	20.02	21.00	
CP-OFDM 256QAM	1	1	17.26	17.31	17.39	18.00	

## N38-ANT11 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	17.38	17.96	17.61	18.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	17.41	17.62	17.56	18.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	17.48	17.75	17.61	18.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	17.53	18.06	17.72	18.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	17.66	17.69	17.77	18.50
		1	53	17.50	17.70	17.58	18.50
		1	104	17.73	17.71	17.75	18.50
	DFT-s-OFDM BPSK	50	0	17.56	17.66	17.52	18.50
		50	28	17.62	17.51	17.49	18.50
		50	56	17.31	17.43	17.62	18.50
	DFT-s-OFDM BPSK	100	0	17.74	17.67	17.56	18.50
		1	1	17.57	17.81	17.64	18.50
		1	53	17.49	17.66	17.53	18.50
	DFT-s-OFDM QPSK	1	104	17.54	17.73	17.71	18.50
		50	0	17.49	17.67	17.42	18.50
		50	28	17.46	17.52	17.49	18.50
	DFT-s-OFDM QPSK	50	56	17.49	17.39	17.60	18.50
		100	0	17.78	17.69	17.44	18.50
		1	1	17.76	17.89	17.92	18.50
	DFT-s-OFDM 16QAM	1	1	17.76	17.89	17.92	18.50
	DFT-s-OFDM 64QAM	1	1	17.67	17.86	17.80	18.50
DFT-s-OFDM 256QAM	1	1	17.50	17.28	17.34	18.50	
CP-OFDM QPSK	1	1	17.84	17.58	17.44	18.50	
CP-OFDM 16QAM	1	1	17.45	17.32	17.31	18.50	
CP-OFDM 64QAM	1	1	18.00	17.81	17.81	18.50	
CP-OFDM 256QAM	1	1	17.19	17.20	17.01	18.00	

## N38-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.68	23.70	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.42	23.55	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.56	23.79	23.68	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.35	23.82	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.48	23.61	23.65	24.50
		1	53	23.61	23.64	23.39	24.50
		1	104	23.49	23.50	23.35	24.50
	DFT-s-OFDM BPSK	50	0	23.43	23.18	23.19	24.50
		50	28	23.29	23.28	23.53	24.50
		50	56	23.43	23.55	23.48	24.50
	DFT-s-OFDM BPSK	100	0	22.19	22.60	22.53	23.50
	DFT-s-OFDM QPSK	1	1	23.54	23.64	23.53	24.50
		1	53	23.60	23.61	23.54	24.50
		1	104	23.58	23.52	23.48	24.50
	DFT-s-OFDM QPSK	50	0	23.56	23.23	23.23	24.50
		50	28	23.24	23.43	23.61	24.50
		50	56	23.53	23.53	23.58	24.50
	DFT-s-OFDM QPSK	100	0	22.26	22.46	22.50	23.50
	DFT-s-OFDM 16QAM	1	1	22.80	22.72	22.52	23.50
	DFT-s-OFDM 64QAM	1	1	21.21	21.41	21.58	22.00
	DFT-s-OFDM 256QAM	1	1	19.43	19.30	19.22	20.00
CP-OFDM QPSK	1	1	22.32	22.23	22.37	23.00	
CP-OFDM 16QAM	1	1	21.24	21.39	21.51	22.50	
CP-OFDM 64QAM	1	1	20.21	20.21	20.02	21.00	
CP-OFDM 256QAM	1	1	17.26	17.31	17.39	18.00	

## N38-ANT11 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	18.07	18.11	18.28	19.00
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	18.02	18.23	18.00	19.00
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	18.37	18.11	18.31	19.00
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	18.06	18.22	18.15	19.00
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	18.12	18.39	18.01	19.00
		1	53	18.02	18.25	18.06	19.00
		1	104	18.13	18.14	18.02	19.00
	DFT-s-OFDM BPSK	50	0	18.25	18.21	18.03	19.00
		50	28	18.44	18.05	18.17	19.00
		50	56	18.04	18.12	17.99	19.00
	DFT-s-OFDM BPSK	100	0	18.11	18.16	18.14	19.00
		1	1	18.20	18.25	18.16	19.00
		1	53	18.13	18.15	18.08	19.00
	DFT-s-OFDM QPSK	1	104	18.05	18.16	18.11	19.00
		50	0	18.21	18.28	18.01	19.00
		50	28	18.29	18.09	18.26	19.00
	DFT-s-OFDM QPSK	50	56	18.09	17.99	17.99	19.00
		100	0	18.03	18.12	18.04	19.00
		1	1	18.54	18.36	18.23	19.00
	DFT-s-OFDM 16QAM	1	1	18.54	18.36	18.23	19.00
	DFT-s-OFDM 64QAM	1	1	18.45	18.38	18.48	19.00
	DFT-s-OFDM 256QAM	1	1	18.18	18.34	18.39	19.00
CP-OFDM QPSK	1	1	18.15	18.24	18.17	19.00	
CP-OFDM 16QAM	1	1	17.70	17.87	17.77	19.00	
CP-OFDM 64QAM	1	1	18.22	18.34	18.31	19.00	
CP-OFDM 256QAM	1	1	17.25	17.23	17.13	18.00	



## N38-ANT11 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)	
		RB Size	RB offset	2575	2595	2615		
10	DFT-s-OFDM BPSK	1	1	16.38	16.53	16.43	17.00	
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)	
		RB Size	RB offset	2577.5	2595	2612.5		
15	DFT-s-OFDM BPSK	1	1	16.50	16.38	16.13	17.00	
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)	
		RB Size	RB offset	2580	2595	2610		
20	DFT-s-OFDM BPSK	1	1	16.24	16.22	16.47	17.00	
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)	
		RB Size	RB offset	2585	2595	2605		
30	DFT-s-OFDM BPSK	1	1	16.33	16.26	16.26	17.00	
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)	
		RB Size	RB offset	2590	2595	2600		
40	DFT-s-OFDM BPSK	1	1	16.51	16.49	16.21	17.00	
		1	53	16.31	16.44	16.34	17.00	
		1	104	16.32	16.12	16.31	17.00	
	DFT-s-OFDM BPSK	50	0	15.94	16.04	15.80	17.00	
		50	28	15.89	16.10	16.29	17.00	
		50	56	15.96	16.29	16.45	17.00	
	DFT-s-OFDM BPSK	100	0	16.32	16.13	15.84	17.00	
		DFT-s-OFDM QPSK	1	1	16.37	16.38	16.28	17.00
			1	53	16.29	16.32	16.30	17.00
	1		104	16.22	16.23	16.18	17.00	
	DFT-s-OFDM QPSK	50	0	15.91	16.16	15.93	17.00	
		50	28	16.02	16.11	16.31	17.00	
		50	56	15.98	16.25	16.30	17.00	
	DFT-s-OFDM QPSK	100	0	16.29	16.18	15.99	17.00	
	DFT-s-OFDM 16QAM	1	1	16.53	16.39	16.55	17.00	
	DFT-s-OFDM 64QAM	1	1	16.58	16.47	16.52	17.00	
	DFT-s-OFDM 256QAM	1	1	16.28	16.42	16.60	17.00	
CP-OFDM QPSK	1	1	16.47	16.33	16.19	17.00		
CP-OFDM 16QAM	1	1	16.10	16.11	16.20	17.00		
CP-OFDM 64QAM	1	1	16.37	16.30	16.45	17.00		
CP-OFDM 256QAM	1	1	16.25	16.12	16.12	17.00		

## 8.6.4 NR Band38 Output Power

## N38-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.68	23.70	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.42	23.55	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.56	23.79	23.68	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.35	23.82	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.48	23.61	23.65	24.50
		1	53	23.61	23.64	23.39	24.50
		1	104	23.49	23.50	23.35	24.50
	DFT-s-OFDM BPSK	50	0	23.43	23.18	23.19	24.50
		50	28	23.29	23.28	23.53	24.50
		50	56	23.43	23.55	23.48	24.50
	DFT-s-OFDM BPSK	100	0	22.19	22.60	22.53	23.50
		1	1	23.54	23.64	23.53	24.50
		1	53	23.60	23.61	23.54	24.50
	DFT-s-OFDM QPSK	1	104	23.58	23.52	23.48	24.50
		50	0	23.56	23.23	23.23	24.50
		50	28	23.24	23.43	23.61	24.50
	DFT-s-OFDM QPSK	50	56	23.53	23.53	23.58	24.50
		100	0	22.26	22.46	22.50	23.50
		DFT-s-OFDM 16QAM	1	1	22.80	22.72	22.52
	DFT-s-OFDM 64QAM	1	1	21.21	21.41	21.58	22.00
	DFT-s-OFDM 256QAM	1	1	19.43	19.30	19.22	20.00
CP-OFDM QPSK	1	1	22.32	22.23	22.37	23.00	
CP-OFDM 16QAM	1	1	21.24	21.39	21.51	22.50	
CP-OFDM 64QAM	1	1	20.21	20.21	20.02	21.00	
CP-OFDM 256QAM	1	1	17.26	17.31	17.39	18.00	

## N38-ANT11 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	15.35	15.77	15.11	16.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	15.44	15.76	15.21	16.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	15.57	15.66	15.47	16.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	15.55	15.88	15.48	16.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	15.59	15.78	15.22	16.50
		1	53	15.54	15.59	15.58	16.50
		1	104	15.60	15.34	15.10	16.50
	DFT-s-OFDM BPSK	50	0	15.57	15.16	15.27	16.50
		50	28	15.39	15.29	15.63	16.50
		50	56	15.48	15.47	15.13	16.50
	DFT-s-OFDM BPSK	100	0	15.50	15.50	15.49	16.50
		1	1	15.46	15.70	15.28	16.50
		1	53	15.39	15.62	15.43	16.50
	DFT-s-OFDM QPSK	1	104	15.56	15.48	15.18	16.50
		50	0	15.52	15.31	15.41	16.50
		50	28	15.43	15.38	15.53	16.50
	DFT-s-OFDM QPSK	50	56	15.56	15.32	15.25	16.50
		100	0	15.35	15.42	15.54	16.50
	DFT-s-OFDM 16QAM	1	1	15.52	15.34	15.32	16.50
	DFT-s-OFDM 64QAM	1	1	15.41	15.60	15.77	16.50
	DFT-s-OFDM 256QAM	1	1	15.74	15.64	15.59	16.50
CP-OFDM QPSK	1	1	15.78	15.58	15.74	16.50	
CP-OFDM 16QAM	1	1	15.50	15.42	15.35	16.50	
CP-OFDM 64QAM	1	1	15.68	15.64	15.57	16.50	
CP-OFDM 256QAM	1	1	15.60	15.70	15.80	16.50	

## N38-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	23.68	23.70	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	23.42	23.55	23.66	24.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	23.56	23.79	23.68	24.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	23.35	23.82	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	23.58	23.70	23.54	24.50
		1	53	23.68	23.64	23.42	24.50
		1	104	23.47	23.60	23.55	24.50
	DFT-s-OFDM BPSK	50	0	23.59	23.28	23.08	24.50
		50	28	23.19	23.51	23.71	24.50
		50	56	23.66	23.61	23.57	24.50
	DFT-s-OFDM BPSK	100	0	22.31	22.33	22.64	23.50
		1	1	23.54	23.64	23.53	24.50
		1	53	23.60	23.61	23.54	24.50
	DFT-s-OFDM QPSK	1	104	23.58	23.52	23.48	24.50
		50	0	23.56	23.23	23.23	24.50
		50	28	23.24	23.43	23.61	24.50
	DFT-s-OFDM QPSK	50	56	23.53	23.53	23.58	24.50
		100	0	22.26	22.46	22.50	23.50
		DFT-s-OFDM 16QAM	1	1	22.80	22.72	22.52
	DFT-s-OFDM 64QAM	1	1	21.21	21.41	21.58	22.00
	DFT-s-OFDM 256QAM	1	1	19.43	19.30	19.22	20.00
CP-OFDM QPSK	1	1	22.32	22.23	22.37	23.00	
CP-OFDM 16QAM	1	1	21.24	21.39	21.51	22.50	
CP-OFDM 64QAM	1	1	20.21	20.21	20.02	21.00	
CP-OFDM 256QAM	1	1	17.26	17.31	17.39	18.00	

## N38-ANT11 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	15.35	15.77	15.11	16.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	15.44	15.76	15.21	16.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	15.57	15.66	15.47	16.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	15.55	15.88	15.48	16.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	15.59	15.78	15.22	16.50
		1	53	15.54	15.59	15.58	16.50
		1	104	15.60	15.34	15.10	16.50
	DFT-s-OFDM BPSK	50	0	15.57	15.16	15.27	16.50
		50	28	15.39	15.29	15.63	16.50
		50	56	15.48	15.47	15.13	16.50
	DFT-s-OFDM BPSK	100	0	15.50	15.50	15.49	16.50
		1	1	15.46	15.70	15.28	16.50
		1	53	15.39	15.62	15.43	16.50
	DFT-s-OFDM QPSK	1	104	15.56	15.48	15.18	16.50
		50	0	15.52	15.31	15.41	16.50
		50	28	15.43	15.38	15.53	16.50
	DFT-s-OFDM QPSK	50	56	15.56	15.32	15.25	16.50
		100	0	15.35	15.42	15.54	16.50
	DFT-s-OFDM 16QAM	1	1	15.52	15.34	15.32	16.50
	DFT-s-OFDM 64QAM	1	1	15.41	15.60	15.77	16.50
	DFT-s-OFDM 256QAM	1	1	15.74	15.64	15.59	16.50
CP-OFDM QPSK	1	1	15.78	15.58	15.74	16.50	
CP-OFDM 16QAM	1	1	15.50	15.42	15.35	16.50	
CP-OFDM 64QAM	1	1	15.68	15.64	15.57	16.50	
CP-OFDM 256QAM	1	1	15.60	15.70	15.80	16.50	

## N38-ANT11 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		515000	519000	523000	Tune-up power(dB)
		RB Size	RB offset	2575	2595	2615	
10	DFT-s-OFDM BPSK	1	1	13.66	13.89	13.42	14.50
Bandwidth (MHz)	Modulation	Channel		515500	519000	522500	Tune-up power(dB)
		RB Size	RB offset	2577.5	2595	2612.5	
15	DFT-s-OFDM BPSK	1	1	13.69	13.67	13.40	14.50
Bandwidth (MHz)	Modulation	Channel		516000	519000	522000	Tune-up power(dB)
		RB Size	RB offset	2580	2595	2610	
20	DFT-s-OFDM BPSK	1	1	13.60	13.55	13.60	14.50
Bandwidth (MHz)	Modulation	Channel		517000	519000	521000	Tune-up power(dB)
		RB Size	RB offset	2585	2595	2605	
30	DFT-s-OFDM BPSK	1	1	13.42	13.75	13.60	14.50
Bandwidth (MHz)	Modulation	Channel		518000	519000	520000	Tune-up power(dB)
		RB Size	RB offset	2590	2595	2600	
40	DFT-s-OFDM BPSK	1	1	13.68	13.65	13.56	14.50
		1	53	13.50	13.72	13.62	14.50
		1	104	13.39	13.72	13.78	14.50
	DFT-s-OFDM BPSK	50	0	13.69	13.68	13.73	14.50
		50	28	13.42	13.69	13.51	14.50
		50	56	13.65	13.40	13.74	14.50
	DFT-s-OFDM BPSK	100	0	13.43	13.65	13.27	14.50
		1	1	13.53	13.71	13.45	14.50
		1	53	13.55	13.68	13.75	14.50
	DFT-s-OFDM QPSK	1	104	13.47	13.59	13.78	14.50
		50	0	13.74	13.62	13.69	14.50
		50	28	13.46	13.60	13.64	14.50
	DFT-s-OFDM QPSK	50	56	13.58	13.44	13.73	14.50
		100	0	13.49	13.57	13.40	14.50
		DFT-s-OFDM 16QAM	1	1	13.54	13.61	13.50
	DFT-s-OFDM 64QAM	1	1	13.46	13.57	13.75	14.50
	DFT-s-OFDM 256QAM	1	1	13.78	13.79	13.93	14.50
	CP-OFDM QPSK	1	1	13.63	13.80	13.70	14.50
CP-OFDM 16QAM	1	1	13.79	13.67	13.87	14.50	
CP-OFDM 64QAM	1	1	13.58	13.66	13.61	14.50	
CP-OFDM 256QAM	1	1	13.94	13.81	13.79	14.50	

## 8.6.6 NR Band41 Output Power

N41-ANT13 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	24.85	24.81	24.86	24.83	24.82	26.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	24.88	24.68	24.96	24.86	24.90	26.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	25.07	24.82	25.06	25.03	24.86	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	24.90	24.63	25.12	24.76	24.84	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	24.67	24.75	25.03	24.77	24.78	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	24.69	24.92	25.04	24.90	25.01	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	24.95	24.93	24.98	24.93	24.81	26.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	25.02	24.56	24.86	25.07	24.74	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	24.98	24.76	24.95	24.93	24.85	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	24.96	24.89	25.06	25.09	24.97	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.96	24.74	24.92	25.01	24.83	26.00
		1	137	24.90	24.83	24.99	24.85	24.78	26.00
		1	271	24.98	24.51	25.13	25.06	24.81	26.00
		135	0	24.88	24.80	25.16	25.08	24.95	26.00
		135	69	24.95	24.91	24.74	24.98	24.78	26.00
		135	138	24.82	25.19	25.07	24.91	25.10	26.00
	DFT-s-OFDM QPSK	270	0	23.65	23.64	23.85	23.63	23.77	25.00
		1	1	24.87	24.73	24.94	24.89	24.93	26.00
		1	137	24.83	24.81	25.01	25.00	24.81	26.00
		1	271	25.08	24.66	25.02	24.96	24.89	26.00
		135	0	24.87	24.93	25.03	25.02	25.07	26.00
		135	69	24.95	24.96	24.85	25.01	24.80	26.00
	DFT-s-OFDM QPSK	135	138	24.91	25.19	25.03	24.96	25.17	26.00
		270	0	23.64	23.70	23.70	23.69	23.75	25.00
		1	1	23.84	23.88	23.68	23.72	23.71	25.00
		1	1	22.53	22.37	22.42	22.45	22.29	23.50
		1	1	20.49	20.33	20.34	20.31	20.37	21.50
		1	1	23.27	23.33	23.22	23.22	23.15	24.50
	CP-OFDM QPSK	1	1	22.33	22.50	22.45	22.58	22.41	24.00
		1	1	21.44	21.56	21.60	21.65	21.69	22.50
		1	1	18.41	18.47	18.31	18.38	18.29	19.50
		1	1	18.41	18.47	18.31	18.38	18.29	19.50

N41-ANT13 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	13.62	13.21	13.42	13.68	13.42	14.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	13.51	13.29	13.45	13.45	13.43	14.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	13.67	13.33	13.47	13.77	13.44	14.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	13.60	13.37	13.41	13.49	13.43	14.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	13.59	13.37	13.33	13.76	13.29	14.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	13.60	13.48	13.38	13.79	13.42	14.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	13.46	13.48	13.28	13.76	13.08	14.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	13.41	13.36	13.49	13.51	13.40	14.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	13.45	13.27	13.54	13.48	13.20	14.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	13.43	13.19	13.46	13.60	13.35	14.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	13.50	13.27	13.39	13.53	13.41	14.00
		1	137	13.35	13.48	13.60	13.38	13.44	14.00
		1	271	13.59	13.19	13.54	13.55	13.41	14.00
	DFT-s-OFDM BPSK	135	0	13.40	13.44	13.43	13.68	13.39	14.00
		135	69	13.59	13.27	13.68	13.57	13.29	14.00
		135	138	13.60	13.56	13.56	13.59	13.46	14.00
	DFT-s-OFDM BPSK	270	0	13.21	13.34	13.52	13.49	13.51	14.00
		1	1	13.54	13.33	13.48	13.62	13.27	14.00
		1	137	13.25	13.58	13.55	13.35	13.45	14.00
	DFT-s-OFDM QPSK	1	271	13.46	13.26	13.53	13.42	13.47	14.00
		135	0	13.39	13.59	13.46	13.55	13.43	14.00
		135	69	13.55	13.29	13.45	13.42	13.41	14.00
	DFT-s-OFDM QPSK	135	138	13.71	13.50	13.54	13.53	13.37	14.00
		270	0	13.34	13.30	13.41	13.37	13.56	14.00
		1	1	13.74	13.63	13.60	13.61	13.66	14.00
	DFT-s-OFDM 64QAM	1	1	13.83	13.51	13.65	13.53	13.62	14.00
	DFT-s-OFDM 256QAM	1	1	13.63	13.54	13.59	13.53	13.64	14.00
	CP-OFDM QPSK	1	1	13.39	13.31	13.46	13.55	13.49	14.00
	CP-OFDM 16QAM	1	1	13.24	13.34	13.25	13.44	13.13	14.00
	CP-OFDM 64QAM	1	1	13.44	13.39	13.50	13.57	13.65	14.00
	CP-OFDM 256QAM	1	1	13.61	13.61	13.46	13.55	13.61	14.00



N41-ANT13 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	21.35	21.48	21.30	21.28	21.32	22.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	21.26	21.44	21.32	21.35	21.41	22.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	21.40	21.52	21.28	21.45	21.38	22.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	21.29	21.64	21.36	21.33	21.49	22.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	21.45	21.58	21.23	21.58	21.34	22.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	21.11	21.78	21.23	21.54	21.56	22.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	21.10	21.52	21.56	21.37	21.59	22.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	21.20	21.45	21.21	21.53	21.45	22.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	21.32	21.70	21.47	21.46	21.51	22.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	21.39	21.61	21.47	21.34	21.47	22.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	21.21	21.38	21.24	21.64	21.45	22.00
		1	137	21.38	21.56	21.51	21.27	21.34	22.00
		1	271	21.45	21.45	21.29	21.29	21.56	22.00
	DFT-s-OFDM BPSK	135	0	21.42	21.38	21.33	21.14	21.32	22.00
		135	69	21.37	21.30	21.23	21.60	21.56	22.00
		135	138	21.35	21.42	21.25	21.42	21.23	22.00
	DFT-s-OFDM BPSK	270	0	21.30	21.25	21.28	21.28	21.33	22.00
	DFT-s-OFDM QPSK	1	1	21.26	21.59	21.36	21.52	21.52	22.00
		1	137	21.48	21.45	21.49	21.38	21.20	22.00
		1	271	21.51	21.42	21.43	21.42	21.59	22.00
	DFT-s-OFDM QPSK	135	0	21.48	21.35	21.33	21.19	21.20	22.00
		135	69	21.40	21.18	21.38	21.54	21.40	22.00
		135	138	21.50	21.49	21.36	21.56	21.18	22.00
	DFT-s-OFDM QPSK	270	0	21.22	21.31	21.34	21.22	21.29	22.00
	DFT-s-OFDM 16QAM	1	1	21.58	21.29	21.45	21.40	21.41	22.00
	DFT-s-OFDM 64QAM	1	1	21.51	21.25	21.39	21.48	21.30	22.00
	DFT-s-OFDM 256QAM	1	1	20.35	20.33	20.40	20.51	20.43	21.50
	CP-OFDM QPSK	1	1	21.24	21.13	21.20	21.09	21.11	22.00
	CP-OFDM 16QAM	1	1	20.88	20.74	20.90	20.80	20.88	22.00
	CP-OFDM 64QAM	1	1	21.72	21.48	21.60	21.73	21.45	22.00
CP-OFDM 256QAM	1	1	18.50	18.29	18.35	18.15	18.53	19.50	

N41-ANT13 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	18.69	18.74	18.82	18.50	18.84	19.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	18.56	18.42	18.54	18.62	18.45	19.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	18.74	18.91	19.01	18.74	19.09	19.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	18.71	19.05	18.75	18.76	19.29	19.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	18.73	18.93	18.81	18.82	19.07	19.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	18.75	18.85	18.91	18.59	19.00	19.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	18.73	18.95	19.00	18.93	19.30	19.50
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	18.98	18.86	19.12	18.58	19.17	19.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	18.78	19.07	18.75	18.82	18.99	19.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	18.89	19.12	18.93	18.92	19.08	19.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	18.85	18.93	18.95	18.82	19.00	19.50
		1	137	19.06	18.74	19.08	18.80	18.98	19.50
	1	271	18.73	18.72	18.80	18.65	18.57	19.50	
	135	0	18.94	18.45	18.72	18.79	18.51	19.50	
	135	69	18.61	19.01	19.03	18.84	19.02	19.50	
	135	138	18.55	18.63	18.79	18.63	18.69	19.50	
	DFT-s-OFDM BPSK	270	0	18.87	18.97	19.04	18.97	18.96	19.50
	1	1	18.80	19.04	18.94	18.78	19.10	19.50	
	DFT-s-OFDM QPSK	1	137	18.99	18.73	18.92	18.95	18.99	19.50
		1	271	18.86	18.64	18.93	18.78	18.68	19.50
		135	0	18.82	18.57	18.72	18.83	18.53	19.50
	DFT-s-OFDM QPSK	135	69	18.69	18.94	18.89	18.84	19.05	19.50
		135	138	18.70	18.73	18.78	18.68	18.72	19.50
		270	0	18.77	19.05	18.91	18.93	18.90	19.50
	DFT-s-OFDM QPSK	270	0	18.77	19.05	18.91	18.93	18.90	19.50
	DFT-s-OFDM 16QAM	1	1	19.09	18.83	19.00	19.12	19.18	19.50
	DFT-s-OFDM 64QAM	1	1	18.93	18.87	18.97	19.05	18.91	19.50
	DFT-s-OFDM 256QAM	1	1	18.79	18.91	18.96	18.82	19.07	19.50
	CP-OFDM BPSK	1	1	18.87	18.72	18.89	18.74	18.71	19.50
	CP-OFDM 16QAM	1	1	18.39	18.59	18.57	18.45	18.58	19.50
CP-OFDM 64QAM	1	1	18.77	19.06	18.90	19.03	18.98	19.50	
CP-OFDM 256QAM	1	1	18.15	18.11	18.20	18.38	18.00	19.50	

N41-ANT13 DS18&9&10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	15.14	15.02	15.25	15.26	15.34	16.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	15.24	15.06	15.39	15.44	15.42	16.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	15.17	15.00	15.61	15.40	15.43	16.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	15.47	15.12	15.53	15.63	15.55	16.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	15.35	14.96	15.67	15.46	15.48	16.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	15.36	15.26	15.37	15.57	15.50	16.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	15.28	15.19	15.57	15.68	15.47	16.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	15.42	14.89	15.29	15.57	15.42	16.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	15.40	15.15	15.35	15.76	15.44	16.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	15.24	15.05	15.61	15.40	15.56	16.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	15.40	14.97	15.59	15.43	15.32	16.00
		1	137	15.38	15.56	15.26	15.32	15.46	16.00
	1	271	15.35	15.41	15.23	15.38	15.42	16.00	
	135	0	15.16	15.13	15.68	15.27	15.43	16.00	
	135	69	15.46	15.46	15.49	15.45	15.53	16.00	
	135	138	15.42	15.54	15.43	15.35	15.50	16.00	
	DFT-s-OFDM BPSK	270	0	15.65	15.34	15.69	15.32	15.55	16.00
	1	1	15.36	15.06	15.48	15.58	15.46	16.00	
	DFT-s-OFDM QPSK	1	137	15.34	15.44	15.54	15.47	15.25	16.00
		1	271	15.51	15.35	15.43	15.52	15.04	16.00
		135	0	15.25	15.27	15.40	15.24	15.53	16.00
	DFT-s-OFDM QPSK	135	69	15.53	15.52	15.38	15.53	15.41	16.00
		135	138	15.50	15.68	15.48	15.34	15.37	16.00
		270	0	15.53	15.43	15.56	15.58	15.40	16.00
	DFT-s-OFDM QPSK	1	1	15.66	15.47	15.46	15.41	15.65	16.00
	DFT-s-OFDM 64QAM	1	1	15.35	15.44	15.34	15.18	15.43	16.00
	DFT-s-OFDM 256QAM	1	1	15.59	15.56	15.57	15.53	15.44	16.00
	CP-OFDM QPSK	1	1	15.63	15.31	15.44	15.32	15.62	16.00
	CP-OFDM 16QAM	1	1	15.65	15.57	15.55	15.66	15.68	16.00
	CP-OFDM 64QAM	1	1	15.43	15.30	15.37	15.46	15.19	16.00
CP-OFDM 256QAM	1	1	15.17	15.40	15.35	15.30	15.40	16.00	

## 8.6.6 NR Band41 Output Power

N41-ANT31 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	24.45	24.38	24.42	24.03	24.32	26.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	24.36	24.28	24.13	24.15	24.12	26.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	24.49	24.32	24.48	24.22	24.44	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	24.54	24.30	24.25	24.25	24.29	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	24.22	24.34	24.38	24.31	24.27	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	24.31	24.34	24.44	24.34	24.15	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	24.31	24.56	24.21	24.36	24.14	26.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	24.41	24.59	24.45	24.41	24.22	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	24.30	24.56	24.39	24.28	24.48	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	24.32	24.62	24.39	24.31	24.35	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.47	24.38	24.32	24.27	24.34	26.00
		1	137	24.57	24.70	24.88	24.61	24.45	26.00
	1	271	24.57	24.51	24.61	24.57	24.52	26.00	
	135	0	24.30	24.40	24.31	24.43	24.32	26.00	
	DFT-s-OFDM BPSK	135	69	24.48	24.48	24.72	24.41	24.37	26.00
		135	138	24.21	24.23	24.55	24.24	24.28	26.00
	DFT-s-OFDM BPSK	270	0	23.55	23.44	23.51	23.63	23.77	25.00
	DFT-s-OFDM QPSK	1	1	24.34	24.45	24.35	24.32	24.28	26.00
		1	137	24.65	24.60	24.73	24.58	24.60	26.00
		1	271	24.50	24.45	24.53	24.52	24.38	26.00
		135	0	24.28	24.42	24.37	24.29	24.18	26.00
	DFT-s-OFDM QPSK	135	69	24.39	24.61	24.54	24.55	24.49	26.00
		135	138	24.34	24.29	24.40	24.26	24.33	26.00
		270	0	23.67	23.42	23.53	23.53	23.62	25.00
	DFT-s-OFDM QPSK	270	0	23.67	23.42	23.53	23.53	23.62	25.00
	DFT-s-OFDM 16QAM	1	1	23.20	23.42	23.25	23.16	23.15	25.00
	DFT-s-OFDM 64QAM	1	1	21.58	21.64	21.63	21.76	21.66	23.50
	DFT-s-OFDM 256QAM	1	1	20.18	20.09	20.14	20.03	20.32	21.50
	CP-OFDM QPSK	1	1	22.60	22.84	22.67	22.55	22.75	24.50
	CP-OFDM 16QAM	1	1	22.19	22.38	22.30	22.17	22.22	24.00
CP-OFDM 64QAM	1	1	21.03	21.30	21.14	20.96	21.20	22.50	
CP-OFDM 256QAM	1	1	17.90	18.17	17.97	17.89	18.03	19.50	

## N41-ANT31 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset						
10	DFT-s-OFDM BPSK	1	1	24.45	24.38	24.42	24.03	24.32	26.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	24.36	24.28	24.13	24.15	24.12	26.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	24.49	24.32	24.48	24.22	24.44	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	24.54	24.30	24.25	24.25	24.29	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	24.22	24.34	24.38	24.31	24.27	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	24.31	24.34	24.44	24.34	24.15	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	24.31	24.56	24.21	24.36	24.14	26.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	24.41	24.59	24.45	24.41	24.22	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	24.30	24.56	24.39	24.28	24.48	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	24.32	24.62	24.39	24.31	24.35	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.47	24.38	24.32	24.27	24.34	26.00
		1	137	24.57	24.70	24.88	24.61	24.45	26.00
		1	271	24.57	24.51	24.61	24.57	24.52	26.00
	DFT-s-OFDM BPSK	135	0	24.30	24.40	24.31	24.43	24.32	26.00
		135	69	24.48	24.48	24.72	24.41	24.37	26.00
		135	138	24.21	24.23	24.55	24.24	24.28	26.00
	DFT-s-OFDM BPSK	270	0	23.55	23.44	23.51	23.63	23.77	25.00
	DFT-s-OFDM QPSK	1	1	24.34	24.45	24.35	24.32	24.28	26.00
		1	137	24.65	24.60	24.73	24.58	24.60	26.00
		1	271	24.50	24.45	24.53	24.52	24.38	26.00
	DFT-s-OFDM QPSK	135	0	24.28	24.42	24.37	24.29	24.18	26.00
		135	69	24.39	24.61	24.54	24.55	24.49	26.00
		135	138	24.34	24.29	24.40	24.26	24.33	26.00
	DFT-s-OFDM QPSK	270	0	23.67	23.42	23.53	23.53	23.62	25.00
	DFT-s-OFDM 16QAM	1	1	23.20	23.42	23.25	23.16	23.15	25.00
	DFT-s-OFDM 64QAM	1	1	21.58	21.64	21.63	21.76	21.66	23.50
	DFT-s-OFDM 256QAM	1	1	20.18	20.09	20.14	20.03	20.32	21.50
	CP-OFDM QPSK	1	1	22.60	22.84	22.67	22.55	22.75	24.50
	CP-OFDM 16QAM	1	1	22.19	22.38	22.30	22.17	22.22	24.00
	CP-OFDM 64QAM	1	1	21.03	21.30	21.14	20.96	21.20	22.50
CP-OFDM 256QAM	1	1	17.90	18.17	17.97	17.89	18.03	19.50	

## N41-ANT31 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset						
10	DFT-s-OFDM BPSK	1	1	22.14	22.15	21.96	22.28	21.85	23.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset						
15	DFT-s-OFDM BPSK	1	1	21.96	21.79	21.85	21.96	21.84	23.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset						
20	DFT-s-OFDM BPSK	1	1	22.17	22.20	21.97	22.36	21.89	23.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset						
30	DFT-s-OFDM BPSK	1	1	22.15	22.22	22.12	22.02	21.87	23.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset						
40	DFT-s-OFDM BPSK	1	1	22.28	22.03	22.03	22.04	22.05	23.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset						
50	DFT-s-OFDM BPSK	1	1	21.97	21.98	22.15	22.19	21.96	23.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset						
60	DFT-s-OFDM BPSK	1	1	22.14	22.07	21.96	22.36	22.00	23.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset						
70	DFT-s-OFDM BPSK	1	1	22.25	22.20	21.93	21.98	21.90	23.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset						
80	DFT-s-OFDM BPSK	1	1	22.16	22.25	22.05	22.25	22.26	23.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset						
90	DFT-s-OFDM BPSK	1	1	22.24	22.07	22.33	22.21	21.97	23.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset						
100	DFT-s-OFDM BPSK	1	1	22.14	22.06	22.09	22.31	22.13	23.00
		1	137	22.05	22.09	22.13	22.33	22.17	23.00
		1	271	22.18	22.17	22.06	22.02	22.16	23.00
	DFT-s-OFDM BPSK	135	0	22.10	22.30	21.98	21.93	22.03	23.00
		135	69	21.91	22.19	21.97	22.11	21.74	23.00
		135	138	22.38	22.35	22.29	22.10	21.90	23.00
	DFT-s-OFDM BPSK	270	0	21.94	22.38	22.23	22.38	22.06	23.00
	DFT-s-OFDM QPSK	1	1	22.08	22.12	22.13	22.16	22.06	23.00
		1	137	22.10	22.18	22.22	22.20	22.10	23.00
		1	271	22.12	22.13	22.17	22.10	22.07	23.00
	DFT-s-OFDM QPSK	135	0	22.06	22.17	22.10	22.02	21.91	23.00
		135	69	21.97	22.10	21.99	22.01	21.83	23.00
		135	138	22.25	22.35	22.17	22.00	21.97	23.00
	DFT-s-OFDM QPSK	270	0	21.97	22.24	22.11	22.30	22.20	23.00
	DFT-s-OFDM 16QAM	1	1	22.33	22.05	22.17	22.20	22.09	23.00
	DFT-s-OFDM 64QAM	1	1	21.89	21.74	21.82	21.96	21.72	23.00
	DFT-s-OFDM 256QAM	1	1	20.18	20.29	20.15	20.00	20.10	21.50
	CP-OFDM QPSK	1	1	21.95	22.19	22.02	21.89	21.84	23.00
	CP-OFDM 16QAM	1	1	21.77	21.92	21.72	21.66	21.79	23.00
	CP-OFDM 64QAM	1	1	21.08	21.30	21.11	20.97	21.15	22.50
CP-OFDM 256QAM	1	1	17.76	17.98	17.95	17.91	18.06	19.50	

N41-ANT31 DS18&9&10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	21.09	21.23	21.05	21.15	21.28	22.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	21.21	21.23	21.25	21.23	21.25	22.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	21.11	21.46	21.12	21.20	21.32	22.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	21.13	21.33	21.32	21.28	21.28	22.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	21.40	21.31	21.09	21.03	21.20	22.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	21.10	21.17	21.36	21.22	21.26	22.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	21.39	21.09	21.35	21.33	21.27	22.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	21.19	21.07	21.30	21.24	21.09	22.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	21.21	21.30	21.43	21.05	21.16	22.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	21.33	21.14	21.24	21.33	21.37	22.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	21.30	21.19	21.28	21.08	21.23	22.00
		1	137	20.93	21.03	21.19	21.15	21.25	22.00
		1	271	21.28	21.30	21.35	21.17	21.21	22.00
	DFT-s-OFDM BPSK	135	0	21.37	21.25	21.50	21.43	21.39	22.00
		135	69	21.34	21.11	21.31	21.02	21.22	22.00
		135	138	21.08	21.16	21.06	21.27	21.10	22.00
	DFT-s-OFDM BPSK	270	0	21.19	21.39	21.13	20.97	21.34	22.00
		1	1	21.20	21.26	21.23	21.20	21.24	22.00
		1	137	21.08	21.15	21.30	21.15	21.19	22.00
	DFT-s-OFDM QPSK	1	271	21.20	21.24	21.30	21.11	21.18	22.00
		135	0	21.48	21.38	21.47	21.35	21.31	22.00
		135	69	21.48	21.10	21.29	21.12	21.16	22.00
	DFT-s-OFDM QPSK	135	138	20.99	21.24	21.11	21.21	21.01	22.00
		270	0	21.16	21.26	21.19	21.10	21.37	22.00
		1	1	21.35	21.31	21.35	21.47	21.31	22.00
	DFT-s-OFDM 64QAM	1	1	21.42	21.47	21.37	21.45	21.30	22.00
	DFT-s-OFDM 256QAM	1	1	20.20	20.28	20.24	20.33	20.32	21.50
	CP-OFDM QPSK	1	1	21.35	21.13	21.26	21.46	21.19	22.00
	CP-OFDM 16QAM	1	1	20.99	21.05	20.97	21.01	20.97	22.00
	CP-OFDM 64QAM	1	1	21.41	21.35	21.30	21.12	21.20	22.00
CP-OFDM 256QAM	1	1	17.97	18.08	18.16	17.96	18.04	19.50	

## 8.6.6 NR Band41 Output Power

N41-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	24.86	24.74	24.71	24.95	24.86	26.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	24.80	24.79	24.81	24.73	24.65	26.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	24.87	24.64	24.75	25.02	25.13	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	24.69	24.64	24.91	25.17	25.17	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	24.67	24.74	24.56	25.04	25.18	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	24.77	24.72	24.70	24.96	25.08	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	24.91	24.64	24.65	24.99	25.09	26.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	24.54	24.67	24.85	25.07	25.16	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	24.56	24.51	24.72	24.96	24.90	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	24.64	24.43	24.67	24.99	24.82	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.58	24.70	24.78	25.04	25.09	26.00
		1	137	24.74	25.21	25.06	25.14	25.01	26.00
		1	271	25.11	25.17	24.98	24.93	24.68	26.00
	DFT-s-OFDM BPSK	135	0	24.57	24.52	24.57	24.58	24.67	26.00
		135	69	24.97	25.10	24.79	24.85	24.71	26.00
		135	138	24.68	24.86	24.80	24.80	24.58	26.00
	DFT-s-OFDM BPSK	270	0	23.79	24.11	24.04	23.74	24.10	25.00
	DFT-s-OFDM QPSK	1	1	24.72	24.57	24.76	25.09	25.01	26.00
		1	137	24.84	25.12	25.06	25.03	24.96	26.00
		1	271	25.10	25.14	24.92	25.06	24.58	26.00
	DFT-s-OFDM QPSK	135	0	24.68	24.54	24.68	24.69	24.61	26.00
		135	69	24.95	25.04	24.86	24.95	24.73	26.00
		135	138	24.70	24.74	24.76	24.91	24.59	26.00
	DFT-s-OFDM QPSK	270	0	23.77	24.02	23.92	23.86	24.08	25.00
	DFT-s-OFDM 16QAM	1	1	23.65	23.33	23.49	23.67	23.34	25.00
	DFT-s-OFDM 64QAM	1	1	22.45	22.45	22.26	22.11	22.23	23.50
	DFT-s-OFDM 256QAM	1	1	20.70	20.88	20.73	20.61	20.54	21.50
	CP-OFDM QPSK	1	1	23.52	23.44	23.56	23.43	23.68	24.50
	CP-OFDM 16QAM	1	1	22.67	22.61	22.74	22.61	22.90	24.00
	CP-OFDM 64QAM	1	1	21.45	21.73	21.62	21.64	21.67	22.50
CP-OFDM 256QAM	1	1	18.60	18.41	18.46	18.31	18.30	19.50	



N41-ANT11 DSI2&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	16.85	16.84	16.42	16.42	16.44	17.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	16.52	16.45	16.32	16.45	16.38	17.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	16.68	16.88	16.50	16.48	16.37	17.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	16.65	16.63	16.34	16.48	16.37	17.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	16.45	16.86	16.51	16.40	16.48	17.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	16.48	16.61	16.50	16.35	16.37	17.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	16.73	16.70	16.56	16.48	16.41	17.50
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	16.57	16.51	16.43	16.29	16.52	17.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	16.46	16.70	16.62	16.60	16.31	17.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	16.50	16.82	16.44	16.72	16.33	17.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	16.58	16.48	16.73	16.35	16.53	17.50
		1	137	16.51	16.72	16.64	16.36	16.22	17.50
	1	271	16.31	16.46	16.45	16.73	16.37	17.50	
	135	0	16.54	16.25	16.41	16.64	16.32	17.50	
	135	69	16.46	16.59	16.65	16.46	16.52	17.50	
	135	138	16.59	16.46	16.31	16.38	16.64	17.50	
	DFT-s-OFDM BPSK	270	0	16.31	16.45	16.55	16.36	16.33	17.50
	DFT-s-OFDM QPSK	1	1	16.60	16.65	16.52	16.49	16.46	17.50
		1	137	16.42	16.74	16.68	16.70	16.34	17.50
		1	271	16.36	16.50	16.47	16.66	16.33	17.50
	DFT-s-OFDM QPSK	135	0	16.49	16.29	16.43	16.55	16.37	17.50
		135	69	16.54	16.59	16.49	16.63	16.59	17.50
		135	138	16.50	16.37	16.41	16.46	16.68	17.50
	DFT-s-OFDM QPSK	270	0	16.45	16.38	16.49	16.43	16.74	17.50
	DFT-s-OFDM 16QAM	1	1	16.70	16.65	16.68	16.54	16.72	17.50
	DFT-s-OFDM 64QAM	1	1	16.45	16.48	16.64	16.53	16.53	17.50
	DFT-s-OFDM 256QAM	1	1	16.54	16.52	16.51	16.78	16.44	17.50
	CP-OFDM QPSK	1	1	16.73	16.38	16.63	16.45	16.51	17.50
	CP-OFDM 16QAM	1	1	16.50	16.39	16.30	16.46	16.41	17.50
	CP-OFDM 64QAM	1	1	16.62	16.69	16.59	16.68	16.51	17.50
CP-OFDM 256QAM	1	1	16.37	16.68	16.49	16.63	16.31	17.50	

N41-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	23.05	23.11	22.94	23.01	23.02	24.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	23.21	23.09	23.11	23.03	22.95	24.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	23.11	23.22	22.99	23.05	23.08	24.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	23.28	23.16	23.16	22.95	22.99	24.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	22.96	23.09	23.20	22.89	23.05	24.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	23.10	23.01	22.89	22.99	22.80	24.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	22.95	22.84	22.93	22.88	22.79	24.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	23.11	23.12	22.98	22.95	22.87	24.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	22.92	23.06	23.15	23.18	22.99	24.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	22.91	22.97	22.96	23.05	22.72	24.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.11	23.15	23.00	22.94	23.04	24.00
		1	137	22.99	23.09	23.15	23.13	23.10	24.00
		1	271	23.12	23.05	22.87	23.08	23.17	24.00
	DFT-s-OFDM BPSK	135	0	22.69	23.00	22.87	22.84	22.79	24.00
		135	69	22.84	22.78	23.08	23.07	22.89	24.00
		135	138	22.76	23.02	23.05	22.89	23.37	24.00
	DFT-s-OFDM BPSK	270	0	22.61	22.64	22.76	22.71	22.89	24.00
		1	1	23.11	23.03	23.02	22.98	22.89	24.00
		1	137	23.05	23.08	23.16	23.11	23.12	24.00
	DFT-s-OFDM QPSK	1	271	23.20	23.11	22.99	23.02	22.78	24.00
		135	0	22.71	22.86	22.79	22.99	22.88	24.00
		135	69	22.84	22.93	22.98	22.92	22.85	24.00
	DFT-s-OFDM QPSK	135	138	22.91	23.27	23.10	22.97	23.11	24.00
		270	0	22.63	22.56	22.73	22.84	22.90	24.00
		1	1	23.01	22.88	22.94	23.09	22.90	24.00
	DFT-s-OFDM 64QAM	1	1	21.83	21.91	21.97	22.07	21.79	23.50
	DFT-s-OFDM 256QAM	1	1	20.30	20.58	20.41	20.32	20.59	21.50
	CP-OFDM QPSK	1	1	23.11	23.25	23.14	23.06	23.15	24.00
	CP-OFDM 16QAM	1	1	22.66	22.73	22.77	22.61	22.80	24.00
	CP-OFDM 64QAM	1	1	21.82	21.53	21.63	21.78	21.78	22.50
CP-OFDM 256QAM	1	1	18.31	18.54	18.45	18.56	18.51	19.50	

N41-ANT11 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	18.06	18.01	18.04	17.95	18.02	19.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	18.06	17.74	18.03	17.92	17.96	19.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	18.08	17.84	18.10	17.98	17.98	19.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	18.16	17.69	18.07	17.90	18.07	19.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	18.25	18.04	18.15	18.08	18.01	19.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	18.10	18.01	17.92	18.03	17.73	19.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	18.17	17.75	18.09	18.01	17.93	19.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	18.10	17.68	17.95	17.95	17.92	19.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	17.99	17.97	18.06	17.92	17.70	19.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	18.28	17.76	18.15	18.04	17.84	19.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	18.09	17.77	18.01	17.96	17.78	19.00
		1	137	17.86	18.07	18.17	17.97	18.02	19.00
		1	271	18.05	17.84	17.82	17.76	17.97	19.00
	DFT-s-OFDM BPSK	135	0	18.29	18.29	18.35	18.03	18.29	19.00
		135	69	17.84	18.21	18.10	17.95	17.98	19.00
		135	138	18.00	18.27	18.17	18.34	18.33	19.00
	DFT-s-OFDM BPSK	270	0	18.08	18.00	18.08	17.69	18.08	19.00
	DFT-s-OFDM QPSK	1	1	18.12	17.86	18.01	17.98	17.89	19.00
		1	137	17.94	18.01	18.02	18.00	17.95	19.00
		1	271	18.05	17.96	17.94	17.91	17.93	19.00
	DFT-s-OFDM QPSK	135	0	18.29	18.16	18.25	18.17	18.16	19.00
		135	69	17.97	18.22	18.06	18.08	18.11	19.00
		135	138	18.01	18.31	18.19	18.37	18.19	19.00
	DFT-s-OFDM QPSK	270	0	18.07	18.05	17.93	17.80	17.94	19.00
	DFT-s-OFDM 16QAM	1	1	18.28	18.18	18.08	18.08	18.02	19.00
	DFT-s-OFDM 64QAM	1	1	17.99	18.04	18.04	17.96	17.98	19.00
	DFT-s-OFDM 256QAM	1	1	18.03	18.11	18.12	18.06	18.18	19.00
	CP-OFDM QPSK	1	1	18.03	18.13	18.02	18.12	17.91	19.00
	CP-OFDM 16QAM	1	1	17.64	17.58	17.68	17.70	17.68	19.00
	CP-OFDM 64QAM	1	1	18.09	18.12	18.06	17.90	18.01	19.00
CP-OFDM 256QAM	1	1	17.97	17.81	17.92	18.11	17.73	19.00	

N41-ANT11 DS18&9&10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	16.85	16.84	16.42	16.42	16.44	17.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	16.52	16.45	16.32	16.45	16.38	17.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	16.41	16.44	16.35	16.26	16.30	17.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	16.20	16.59	16.44	16.21	16.29	17.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	16.19	16.64	16.60	16.16	16.56	17.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	16.15	16.73	16.34	16.33	16.59	17.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	16.07	16.62	16.54	16.38	16.47	17.50
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	16.37	16.42	16.54	15.99	16.58	17.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	16.39	16.45	16.52	16.29	16.20	17.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	16.27	16.58	16.34	16.19	16.36	17.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	16.20	16.60	16.53	16.24	16.27	17.50
		1	137	16.13	16.20	16.48	16.21	16.08	17.50
	1	271	16.44	16.50	16.40	16.35	16.39	17.50	
	135	0	16.33	16.32	16.56	16.45	16.61	17.50	
	135	69	16.48	16.40	16.24	16.25	16.40	17.50	
	135	138	16.16	16.23	16.35	16.28	15.95	17.50	
	DFT-s-OFDM BPSK	270	0	16.53	16.48	16.48	16.30	16.69	17.50
	DFT-s-OFDM QPSK	1	1	16.24	16.58	16.52	16.18	16.39	17.50
		1	137	16.20	16.35	16.48	16.34	16.23	17.50
		1	271	16.40	16.50	16.45	16.35	16.36	17.50
		135	0	16.27	16.34	16.46	16.37	16.60	17.50
	DFT-s-OFDM QPSK	135	69	16.42	16.35	16.38	16.35	16.52	17.50
		135	138	16.24	16.34	16.23	16.18	16.07	17.50
		270	0	16.56	16.42	16.48	16.33	16.68	17.50
	DFT-s-OFDM 16QAM	1	1	16.69	16.67	16.51	16.45	16.65	17.50
	DFT-s-OFDM 64QAM	1	1	16.62	16.40	16.58	16.62	16.73	17.50
	DFT-s-OFDM 256QAM	1	1	16.67	16.34	16.54	16.35	16.51	17.50
	CP-OFDM QPSK	1	1	16.66	16.45	16.50	16.62	16.34	17.50
	CP-OFDM 16QAM	1	1	16.21	16.13	16.32	16.26	16.38	17.50
	CP-OFDM 64QAM	1	1	16.74	16.40	16.58	16.72	16.70	17.50
CP-OFDM 256QAM	1	1	16.64	16.34	16.48	16.34	16.30	17.50	

## 8.6.5 NR Band41 Output Power

N41-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	24.86	24.74	24.71	24.95	24.86	26.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	24.80	24.79	24.81	24.73	24.65	26.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	24.87	24.64	24.75	25.02	25.13	26.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	24.69	24.64	24.91	25.17	25.17	26.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	24.67	24.74	24.56	25.04	25.18	26.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	24.77	24.72	24.70	24.96	25.08	26.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	24.91	24.64	24.65	24.99	25.09	26.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	24.54	24.67	24.85	25.07	25.16	26.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	24.56	24.51	24.72	24.96	24.90	26.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	24.64	24.43	24.67	24.99	24.82	26.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	24.58	24.70	24.78	25.04	25.09	26.00
		1	137	24.74	25.21	25.06	25.14	25.01	26.00
	1	271	25.11	25.17	24.98	24.93	24.68	26.00	
	135	0	24.57	24.52	24.57	24.58	24.67	26.00	
	135	69	24.97	25.10	24.79	24.85	24.71	26.00	
	135	138	24.68	24.86	24.80	24.80	24.58	26.00	
	DFT-s-OFDM BPSK	270	0	23.79	24.11	24.04	23.74	24.10	25.00
	DFT-s-OFDM QPSK	1	1	24.72	24.57	24.76	25.09	25.01	26.00
		1	137	24.84	25.12	25.06	25.03	24.96	26.00
		1	271	25.10	25.14	24.92	25.06	24.58	26.00
	DFT-s-OFDM QPSK	135	0	24.68	24.54	24.68	24.69	24.61	26.00
		135	69	24.95	25.04	24.86	24.95	24.73	26.00
		135	138	24.70	24.74	24.76	24.91	24.59	26.00
	DFT-s-OFDM QPSK	270	0	23.77	24.02	23.92	23.86	24.08	25.00
	DFT-s-OFDM 16QAM	1	1	23.65	23.33	23.49	23.67	23.34	25.00
	DFT-s-OFDM 64QAM	1	1	22.45	22.45	22.26	22.11	22.23	23.50
	DFT-s-OFDM 256QAM	1	1	20.70	20.88	20.73	20.61	20.54	21.50
	CP-OFDM QPSK	1	1	23.52	23.44	23.56	23.43	23.68	24.50
	CP-OFDM 16QAM	1	1	22.67	22.61	22.74	22.61	22.90	24.00
	CP-OFDM 64QAM	1	1	21.45	21.73	21.62	21.64	21.67	22.50
CP-OFDM 256QAM	1	1	18.60	18.41	18.46	18.31	18.30	19.50	

N41-ANT11 DS1&3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset						
10	DFT-s-OFDM BPSK	1	1	2501.01	2547	2592.99	2638.99	2685	15.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset						
15	DFT-s-OFDM BPSK	1	1	2503.5	2548.25	2592.99	2637.74	2682.48	15.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset						
20	DFT-s-OFDM BPSK	1	1	2506.02	2549.52	2592.99	2636.49	2679.99	15.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset						
30	DFT-s-OFDM BPSK	1	1	2511	2551.99	2592.99	2633.99	2674.98	15.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset						
40	DFT-s-OFDM BPSK	1	1	2516.01	2554.5	2592.99	2631.5	2670	15.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset						
50	DFT-s-OFDM BPSK	1	1	2521.02	2557.02	2592.99	2628.99	2664.99	15.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset						
60	DFT-s-OFDM BPSK	1	1	2526	2559.51	2592.99	2626.5	2659.98	15.50
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset						
70	DFT-s-OFDM BPSK	1	1	2531.01	2562.02	2592.99	2623.99	2655	15.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset						
80	DFT-s-OFDM BPSK	1	1	2536.02	2564.52	2592.99	2621.49	2649.99	15.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset						
90	DFT-s-OFDM BPSK	1	1	2541	2567.01	2592.99	2619	2644.98	15.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset						
100	DFT-s-OFDM BPSK	1	1	2546.01	2569.5	2592.99	2616.51	2640	15.50
		1	137	15.00	15.16	15.05	15.12	15.07	15.50
	1	271	14.76	15.08	14.91	14.91	15.07	15.50	
	135	0	15.02	14.95	15.08	15.24	14.86	15.50	
	DFT-s-OFDM BPSK	135	69	14.89	15.00	15.12	14.97	14.86	15.50
		135	138	15.31	14.97	15.10	14.92	15.18	15.50
	DFT-s-OFDM BPSK	135	138	15.08	15.20	15.03	14.91	15.08	15.50
		270	0	15.17	15.15	14.85	15.08	14.90	15.50
	DFT-s-OFDM QPSK	1	1	15.00	15.22	14.95	14.96	15.01	15.50
		1	137	14.89	15.09	15.00	14.91	14.95	15.50
		1	271	15.05	14.89	14.85	15.23	14.97	15.50
	DFT-s-OFDM QPSK	135	0	14.89	14.98	15.06	15.04	14.99	15.50
		135	69	15.17	14.93	15.00	14.83	15.16	15.50
		135	138	14.92	15.29	15.18	14.85	15.32	15.50
	DFT-s-OFDM QPSK	270	0	15.05	14.96	14.91	14.91	15.05	15.50
	DFT-s-OFDM 16QAM	1	1	15.28	15.15	14.94	14.85	15.15	15.50
	DFT-s-OFDM 64QAM	1	1	14.86	15.17	15.05	14.90	15.01	15.50
	DFT-s-OFDM 256QAM	1	1	15.13	14.94	14.93	14.87	14.97	15.50
	CP-OFDM QPSK	1	1	14.81	14.90	14.90	14.93	14.87	15.50
	CP-OFDM 16QAM	1	1	14.66	14.76	14.64	14.55	14.59	15.50
CP-OFDM 64QAM	1	1	14.96	14.98	15.04	14.96	14.83	15.50	
CP-OFDM 256QAM	1	1	14.97	14.99	14.92	14.90	14.98	15.50	

N41-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset	2501.01	2547	2592.99	2638.99	2685	
10	DFT-s-OFDM BPSK	1	1	23.05	23.11	22.94	23.01	23.02	24.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset	2503.5	2548.25	2592.99	2637.74	2682.48	
15	DFT-s-OFDM BPSK	1	1	23.21	23.09	23.11	23.03	22.95	24.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset	2506.02	2549.52	2592.99	2636.49	2679.99	
20	DFT-s-OFDM BPSK	1	1	23.11	23.22	22.99	23.05	23.08	24.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset	2511	2551.99	2592.99	2633.99	2674.98	
30	DFT-s-OFDM BPSK	1	1	23.28	23.16	23.16	22.95	22.99	24.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset	2516.01	2554.5	2592.99	2631.5	2670	
40	DFT-s-OFDM BPSK	1	1	22.96	23.09	23.20	22.89	23.05	24.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset	2521.02	2557.02	2592.99	2628.99	2664.99	
50	DFT-s-OFDM BPSK	1	1	23.10	23.01	22.89	22.99	22.80	24.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset	2526	2559.51	2592.99	2626.5	2659.98	
60	DFT-s-OFDM BPSK	1	1	22.95	22.84	22.93	22.88	22.79	24.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset	2531.01	2562.02	2592.99	2623.99	2655	
70	DFT-s-OFDM BPSK	1	1	23.11	23.12	22.98	22.95	22.87	24.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset	2536.02	2564.52	2592.99	2621.49	2649.99	
80	DFT-s-OFDM BPSK	1	1	22.92	23.06	23.15	23.18	22.99	24.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset	2541	2567.01	2592.99	2619	2644.98	
90	DFT-s-OFDM BPSK	1	1	22.91	22.97	22.96	23.05	22.72	24.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset	2546.01	2569.5	2592.99	2616.51	2640	
100	DFT-s-OFDM BPSK	1	1	23.11	23.15	23.00	22.94	23.04	24.00
		1	137	22.99	23.09	23.15	23.13	23.10	24.00
		1	271	23.12	23.05	22.87	23.08	23.17	24.00
	DFT-s-OFDM BPSK	135	0	22.69	23.00	22.87	22.84	22.79	24.00
		135	69	22.84	22.78	23.08	23.07	22.89	24.00
		135	138	22.76	23.02	23.05	22.89	23.37	24.00
	DFT-s-OFDM BPSK	270	0	22.61	22.64	22.76	22.71	22.89	24.00
	DFT-s-OFDM QPSK	1	1	23.11	23.03	23.02	22.98	22.89	24.00
		1	137	23.05	23.08	23.16	23.11	23.12	24.00
		1	271	23.20	23.11	22.99	23.02	22.78	24.00
	DFT-s-OFDM QPSK	135	0	22.71	22.86	22.79	22.99	22.88	24.00
		135	69	22.84	22.93	22.98	22.92	22.85	24.00
		135	138	22.91	23.27	23.10	22.97	23.11	24.00
	DFT-s-OFDM QPSK	270	0	22.63	22.56	22.73	22.84	22.90	24.00
	DFT-s-OFDM 16QAM	1	1	23.01	22.88	22.94	23.09	22.90	24.00
	DFT-s-OFDM 64QAM	1	1	21.83	21.91	21.97	22.07	21.79	23.50
	DFT-s-OFDM 256QAM	1	1	20.30	20.58	20.41	20.32	20.59	21.50
	CP-OFDM QPSK	1	1	23.11	23.25	23.14	23.06	23.15	24.00
	CP-OFDM 16QAM	1	1	22.66	22.73	22.77	22.61	22.80	24.00
	CP-OFDM 64QAM	1	1	21.82	21.53	21.63	21.78	21.78	22.50
CP-OFDM 256QAM	1	1	18.31	18.54	18.45	18.56	18.51	19.50	

## N41-ANT11 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset						
10	DFT-s-OFDM BPSK	1	1	2501.01	2547	2592.99	2638.99	2685	16.50
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset						
15	DFT-s-OFDM BPSK	1	1	2503.5	2548.25	2592.99	2637.74	2682.48	16.50
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset						
20	DFT-s-OFDM BPSK	1	1	2506.02	2549.52	2592.99	2636.49	2679.99	16.50
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset						
30	DFT-s-OFDM BPSK	1	1	2511	2551.99	2592.99	2633.99	2674.98	16.50
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset						
40	DFT-s-OFDM BPSK	1	1	2516.01	2554.5	2592.99	2631.5	2670	16.50
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset						
50	DFT-s-OFDM BPSK	1	1	2521.02	2557.02	2592.99	2628.99	2664.99	16.50
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset						
60	DFT-s-OFDM BPSK	1	1	2526	2559.51	2592.99	2626.5	2659.98	16.50
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset						
70	DFT-s-OFDM BPSK	1	1	2531.01	2562.02	2592.99	2623.99	2655	16.50
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset						
80	DFT-s-OFDM BPSK	1	1	2536.02	2564.52	2592.99	2621.49	2649.99	16.50
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset						
90	DFT-s-OFDM BPSK	1	1	2541	2567.01	2592.99	2619	2644.98	16.50
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset						
100	DFT-s-OFDM BPSK	1	1	2546.01	2569.5	2592.99	2616.51	2640	16.50
		1	137	15.80	15.93	16.14	15.90	15.73	16.50
	DFT-s-OFDM BPSK	1	271	15.49	15.32	15.78	15.37	15.43	16.50
		135	0	15.70	15.47	15.95	15.84	15.80	16.50
	DFT-s-OFDM BPSK	135	69	16.22	15.91	16.07	16.27	16.05	16.50
		135	138	15.98	16.02	16.14	15.72	15.92	16.50
	DFT-s-OFDM BPSK	135	138	16.08	16.28	16.12	16.19	16.08	16.50
		270	0	15.65	15.58	15.58	15.77	15.71	16.50
	DFT-s-OFDM QPSK	1	1	15.65	15.58	15.58	15.77	15.71	16.50
		1	137	15.91	15.99	16.08	15.96	15.65	16.50
	DFT-s-OFDM QPSK	1	271	15.45	15.47	15.90	15.45	15.44	16.50
		135	0	15.81	15.59	15.85	15.93	15.90	16.50
	DFT-s-OFDM QPSK	135	69	16.17	15.83	16.03	16.22	15.94	16.50
		135	138	16.04	16.00	15.99	15.86	15.82	16.50
	DFT-s-OFDM QPSK	135	138	16.16	16.31	16.13	16.08	15.96	16.50
		270	0	15.68	15.67	15.61	15.81	15.56	16.50
	DFT-s-OFDM 16QAM	1	1	15.79	15.80	15.78	15.85	15.87	16.50
	DFT-s-OFDM 64QAM	1	1	15.60	15.53	15.62	15.53	15.59	16.50
	DFT-s-OFDM 256QAM	1	1	15.49	15.59	15.68	15.65	15.58	16.50
	CP-OFDM BPSK	1	1	15.87	15.75	15.80	15.94	15.99	16.50
	CP-OFDM 16QAM	1	1	15.75	15.60	15.69	15.68	15.63	16.50
	CP-OFDM 64QAM	1	1	15.69	15.61	15.80	15.75	15.93	16.50
CP-OFDM 256QAM	1	1	16.01	16.01	15.90	15.73	15.82	16.50	



N41-ANT11 DS18&9&10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		500202	509400	518598	527798	537000	Tune-up power(dB)
		RB Size	RB offset						
10	DFT-s-OFDM BPSK	1	1	14.62	14.39	14.51	14.45	14.72	15.00
		1	1	14.62	14.39	14.51	14.45	14.72	15.00
Bandwidth (MHz)	Modulation	Channel		500700	509649	518598	527548	536496	Tune-up power(dB)
		RB Size	RB offset						
15	DFT-s-OFDM BPSK	1	1	14.43	14.46	14.35	14.18	14.68	15.00
		1	1	14.43	14.46	14.35	14.18	14.68	15.00
Bandwidth (MHz)	Modulation	Channel		501204	509904	518598	527298	535998	Tune-up power(dB)
		RB Size	RB offset						
20	DFT-s-OFDM BPSK	1	1	14.67	14.33	14.59	14.38	14.77	15.00
		1	1	14.67	14.33	14.59	14.38	14.77	15.00
Bandwidth (MHz)	Modulation	Channel		502200	510398	518598	526798	534996	Tune-up power(dB)
		RB Size	RB offset						
30	DFT-s-OFDM BPSK	1	1	14.46	14.63	14.67	14.20	14.73	15.00
		1	1	14.46	14.63	14.67	14.20	14.73	15.00
Bandwidth (MHz)	Modulation	Channel		503202	510900	518598	526302	534000	Tune-up power(dB)
		RB Size	RB offset						
40	DFT-s-OFDM BPSK	1	1	14.56	14.62	14.57	14.21	14.59	15.00
		1	1	14.56	14.62	14.57	14.21	14.59	15.00
Bandwidth (MHz)	Modulation	Channel		504204	511404	518598	525798	532998	Tune-up power(dB)
		RB Size	RB offset						
50	DFT-s-OFDM BPSK	1	1	14.64	14.37	14.67	14.32	14.74	15.00
		1	1	14.64	14.37	14.67	14.32	14.74	15.00
Bandwidth (MHz)	Modulation	Channel		505200	511902	518598	525300	531996	Tune-up power(dB)
		RB Size	RB offset						
60	DFT-s-OFDM BPSK	1	1	14.44	14.36	14.72	14.35	14.47	15.00
		1	1	14.44	14.36	14.72	14.35	14.47	15.00
Bandwidth (MHz)	Modulation	Channel		506202	512404	518598	524798	531000	Tune-up power(dB)
		RB Size	RB offset						
70	DFT-s-OFDM BPSK	1	1	14.70	14.55	14.78	14.22	14.48	15.00
		1	1	14.70	14.55	14.78	14.22	14.48	15.00
Bandwidth (MHz)	Modulation	Channel		507204	512904	518598	524298	529998	Tune-up power(dB)
		RB Size	RB offset						
80	DFT-s-OFDM BPSK	1	1	14.75	14.46	14.70	14.06	14.71	15.00
		1	1	14.75	14.46	14.70	14.06	14.71	15.00
Bandwidth (MHz)	Modulation	Channel		508200	513402	518598	523800	528996	Tune-up power(dB)
		RB Size	RB offset						
90	DFT-s-OFDM BPSK	1	1	14.78	14.38	14.84	14.06	14.46	15.00
		1	1	14.78	14.38	14.84	14.06	14.46	15.00
Bandwidth (MHz)	Modulation	Channel		509202	513900	518598	523302	528000	Tune-up power(dB)
		RB Size	RB offset						
100	DFT-s-OFDM BPSK	1	1	14.68	14.63	14.56	14.21	14.58	15.00
		1	137	14.19	14.35	14.53	14.27	14.58	15.00
		1	271	14.33	14.53	14.59	14.38	14.77	15.00
		135	0	14.37	14.38	14.51	14.53	14.78	15.00
		135	69	14.49	14.44	14.48	14.49	14.43	15.00
		135	138	14.62	14.70	14.65	14.62	14.58	15.00
	DFT-s-OFDM QPSK	270	0	14.47	14.32	14.28	14.38	14.38	15.00
		1	1	14.64	14.52	14.65	14.18	14.64	15.00
		1	137	14.32	14.34	14.39	14.42	14.54	15.00
	DFT-s-OFDM QPSK	1	271	14.35	14.59	14.52	14.43	14.68	15.00
		135	0	14.34	14.43	14.53	14.60	14.65	15.00
		135	69	14.35	14.55	14.50	14.60	14.40	15.00
	DFT-s-OFDM QPSK	135	138	14.58	14.58	14.61	14.77	14.48	15.00
		270	0	14.35	14.18	14.28	14.38	14.39	15.00
		1	1	14.39	14.63	14.49	14.51	14.39	15.00
	DFT-s-OFDM 16QAM	1	1	14.67	14.37	14.52	14.69	14.44	15.00
		1	1	14.48	14.25	14.39	14.21	14.44	15.00
		1	1	14.69	14.72	14.66	14.55	14.73	15.00
		1	1	14.29	14.32	14.33	14.17	14.26	15.00
		1	1	14.22	14.43	14.39	14.53	14.30	15.00
		1	1	14.30	14.65	14.48	14.65	14.46	15.00
		1	1	14.48	14.25	14.39	14.21	14.44	15.00
		1	1	14.69	14.72	14.66	14.55	14.73	15.00
		1	1	14.29	14.32	14.33	14.17	14.26	15.00
	CP-OFDM 64QAM	1	1	14.22	14.43	14.39	14.53	14.30	15.00
		1	1	14.30	14.65	14.48	14.65	14.46	15.00
		1	1	14.48	14.25	14.39	14.21	14.44	15.00

## 8.6.7 NR Band66 Output Power

## N66-ANT13 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.60	23.34	23.50	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.24	23.34	23.62	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.54	23.36	23.34	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.27	23.57	23.51	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.27	23.31	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.26	23.27	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.06	23.11	23.10	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.32	23.54	23.58	24.50
		1	108	23.34	23.29	23.07	24.50
		1	214	23.45	23.25	23.27	24.50
	DFT-s-OFDM BPSK	108	0	23.55	23.42	23.30	24.50
		108	54	23.53	23.30	23.13	24.50
		108	108	23.14	23.13	23.19	24.50
	DFT-s-OFDM BPSK	216	0	22.36	22.38	22.43	23.50
	DFT-s-OFDM QPSK	1	1	23.40	23.46	23.42	24.50
		1	108	23.25	23.29	23.21	24.50
		1	214	23.31	23.36	23.28	24.50
	DFT-s-OFDM QPSK	108	0	23.42	23.40	23.21	24.50
		108	54	23.47	23.27	23.07	24.50
		108	108	23.13	23.22	23.20	24.50
	DFT-s-OFDM QPSK	216	0	22.32	22.31	22.47	23.50
	DFT-s-OFDM 16QAM	1	1	22.67	22.50	22.55	23.50
	DFT-s-OFDM 64QAM	1	1	20.88	21.06	21.26	22.00
	DFT-s-OFDM 256QAM	1	1	19.23	19.15	19.31	20.00
	CP-OFDM QPSK	1	1	21.96	21.83	21.91	23.00
CP-OFDM 16QAM	1	1	21.08	21.03	21.06	22.50	
CP-OFDM 64QAM	1	1	20.08	19.92	19.75	21.00	
CP-OFDM 256QAM	1	1	16.86	17.03	16.94	18.00	

N66-ANT13 DSI2&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	17.99	18.03	17.70	18.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	18.05	17.83	17.78	18.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	18.03	17.80	17.87	18.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	18.12	17.82	18.06	18.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	17.79	17.90	18.09	18.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	18.10	17.95	17.97	18.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	18.06	17.92	17.93	18.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	17.91	17.98	17.89	18.50
		1	108	17.97	17.91	18.02	18.50
		1	214	17.88	17.93	17.85	18.50
	DFT-s-OFDM BPSK	108	0	17.96	18.02	18.02	18.50
		108	54	17.72	17.83	17.87	18.50
		108	108	18.25	18.22	17.93	18.50
	DFT-s-OFDM BPSK	216	0	18.05	17.85	17.80	18.50
		1	1	17.94	17.98	17.89	18.50
		1	108	17.85	17.90	17.91	18.50
	DFT-s-OFDM QPSK	1	214	17.83	17.87	17.78	18.50
		108	0	17.82	17.91	17.90	18.50
		108	54	17.74	17.93	17.98	18.50
	DFT-s-OFDM QPSK	108	108	18.12	18.13	17.79	18.50
		216	0	17.94	17.95	17.91	18.50
		1	1	18.09	18.13	18.25	18.50
	DFT-s-OFDM 16QAM	1	1	18.09	18.13	18.25	18.50
	DFT-s-OFDM 64QAM	1	1	18.10	18.09	18.24	18.50
DFT-s-OFDM 256QAM	1	1	18.31	18.21	18.32	18.50	
CP-OFDM QPSK	1	1	18.02	17.98	18.11	18.50	
CP-OFDM 16QAM	1	1	17.83	17.65	17.72	18.50	
CP-OFDM 64QAM	1	1	17.92	18.08	17.98	18.50	
CP-OFDM 256QAM	1	1	17.08	17.13	17.20	18.00	

## N66-ANT13 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.60	23.34	23.50	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.24	23.34	23.62	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.54	23.36	23.34	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.27	23.57	23.51	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.27	23.31	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.26	23.27	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.06	23.11	23.10	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.32	23.54	23.58	24.50
		1	108	23.34	23.29	23.07	24.50
		1	214	23.45	23.25	23.27	24.50
	DFT-s-OFDM BPSK	108	0	23.55	23.42	23.30	24.50
		108	54	23.53	23.30	23.13	24.50
		108	108	23.14	23.13	23.19	24.50
	DFT-s-OFDM BPSK	216	0	22.36	22.38	22.43	23.50
	DFT-s-OFDM QPSK	1	1	23.40	23.46	23.42	24.50
		1	108	23.25	23.29	23.21	24.50
		1	214	23.31	23.36	23.28	24.50
	DFT-s-OFDM QPSK	108	0	23.42	23.40	23.21	24.50
		108	54	23.47	23.27	23.07	24.50
		108	108	23.13	23.22	23.20	24.50
	DFT-s-OFDM QPSK	216	0	22.32	22.31	22.47	23.50
	DFT-s-OFDM 16QAM	1	1	22.67	22.50	22.55	23.50
	DFT-s-OFDM 64QAM	1	1	20.88	21.06	21.26	22.00
	DFT-s-OFDM 256QAM	1	1	19.23	19.15	19.31	20.00
CP-OFDM QPSK	1	1	21.96	21.83	21.91	23.00	
CP-OFDM 16QAM	1	1	21.08	21.03	21.06	22.50	
CP-OFDM 64QAM	1	1	20.08	19.92	19.75	21.00	
CP-OFDM 256QAM	1	1	16.86	17.03	16.94	18.00	

## N66-ANT13 DSI5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	21.04	20.99	21.09	21.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	20.94	21.12	20.72	21.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	20.74	20.81	20.93	21.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	21.11	21.02	20.93	21.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.09	20.85	20.70	21.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.10	20.86	20.94	21.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	21.09	20.89	20.79	21.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.06	20.92	20.91	21.50
		1	108	20.78	20.94	20.78	21.50
		1	214	20.85	21.04	20.84	21.50
	DFT-s-OFDM BPSK	108	0	20.75	20.56	20.76	21.50
		108	54	20.81	20.87	20.74	21.50
		108	108	20.94	20.78	20.71	21.50
	DFT-s-OFDM BPSK	216	0	20.80	20.74	20.73	21.50
		1	1	20.93	20.96	20.89	21.50
		1	108	20.81	20.84	20.76	21.50
	DFT-s-OFDM QPSK	1	214	20.86	20.89	20.85	21.50
		108	0	20.88	20.68	20.82	21.50
		108	54	20.95	20.79	20.61	21.50
	DFT-s-OFDM QPSK	108	108	20.81	20.85	20.85	21.50
		216	0	20.83	20.86	20.66	21.50
		1	1	21.45	21.28	21.19	21.50
	DFT-s-OFDM 16QAM	1	1	21.12	21.23	21.25	21.50
	DFT-s-OFDM 64QAM	1	1	21.12	21.23	21.25	21.50
	DFT-s-OFDM 256QAM	1	1	19.18	19.36	19.27	20.00
CP-OFDM QPSK	1	1	20.87	20.95	21.11	21.50	
CP-OFDM 16QAM	1	1	20.56	20.53	20.67	21.50	
CP-OFDM 64QAM	1	1	19.98	19.95	20.09	21.00	
CP-OFDM 256QAM	1	1	16.91	17.06	17.14	18.00	

## N66-ANT13 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	20.58	20.74	20.70	21.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	20.40	20.72	20.65	21.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	20.36	20.47	20.40	21.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	20.40	20.66	20.65	21.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	20.40	20.51	20.46	21.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	20.46	20.48	20.74	21.00
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	20.53	20.52	20.61	21.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	20.66	20.66	20.57	21.00
		1	108	20.46	20.48	20.37	21.00
		1	214	20.40	20.58	20.47	21.00
	DFT-s-OFDM BPSK	108	0	20.26	20.58	20.32	21.00
		108	54	20.32	20.55	20.35	21.00
		108	108	20.53	20.48	20.57	21.00
	DFT-s-OFDM BPSK	216	0	20.29	20.48	20.57	21.00
	DFT-s-OFDM QPSK	1	1	20.56	20.59	20.54	21.00
		1	108	20.46	20.49	20.42	21.00
		1	214	20.48	20.43	20.39	21.00
	DFT-s-OFDM QPSK	108	0	20.33	20.45	20.38	21.00
		108	54	20.43	20.40	20.43	21.00
		108	108	20.46	20.57	20.42	21.00
	DFT-s-OFDM QPSK	216	0	20.36	20.45	20.50	21.00
	DFT-s-OFDM 16QAM	1	1	20.86	20.78	20.76	21.00
	DFT-s-OFDM 64QAM	1	1	20.49	20.69	20.64	21.00
	DFT-s-OFDM 256QAM	1	1	19.38	19.39	19.29	20.00
CP-OFDM QPSK	1	1	20.51	20.54	20.46	21.00	
CP-OFDM 16QAM	1	1	20.14	20.14	20.20	21.00	
CP-OFDM 64QAM	1	1	20.21	20.03	19.93	21.00	
CP-OFDM 256QAM	1	1	16.99	17.02	17.07	18.00	

## 8.6.7 NR Band66 Output Power

## N66-ANT31 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.10	23.33	23.19	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.02	23.18	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.07	23.16	22.99	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.01	23.34	23.27	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.24	23.25	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.25	23.30	23.15	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.22	23.19	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.18	23.09	23.00	24.50
		1	108	23.01	23.06	23.12	24.50
		1	214	23.22	22.99	23.05	24.50
	DFT-s-OFDM BPSK	108	0	22.95	22.83	22.74	24.50
		108	54	23.22	23.07	23.11	24.50
		108	108	23.28	22.88	22.86	24.50
	DFT-s-OFDM BPSK	216	0	22.20	22.02	22.07	23.50
	DFT-s-OFDM QPSK	1	1	23.20	23.21	23.15	24.50
		1	108	23.05	23.11	23.22	24.50
		1	214	23.08	23.08	23.12	24.50
	DFT-s-OFDM QPSK	108	0	23.00	22.84	22.79	24.50
		108	54	23.19	22.99	23.18	24.50
		108	108	23.13	22.90	22.83	24.50
	DFT-s-OFDM QPSK	216	0	22.12	22.08	21.98	23.50
	DFT-s-OFDM 16QAM	1	1	22.56	22.36	22.25	23.50
	DFT-s-OFDM 64QAM	1	1	20.99	20.93	21.06	22.00
	DFT-s-OFDM 256QAM	1	1	18.86	19.02	18.95	20.00
	CP-OFDM QPSK	1	1	21.62	21.70	21.72	23.00
CP-OFDM 16QAM	1	1	21.01	20.84	20.76	22.50	
CP-OFDM 64QAM	1	1	19.66	19.78	19.74	21.00	
CP-OFDM 256QAM	1	1	16.81	16.87	16.86	18.00	

## N66-ANT31 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.10	23.33	23.19	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.02	23.18	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.07	23.16	22.99	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.01	23.34	23.27	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.24	23.25	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.25	23.30	23.15	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.22	23.19	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.18	23.09	23.00	24.50
		1	108	23.01	23.06	23.12	24.50
		1	214	23.22	22.99	23.05	24.50
	DFT-s-OFDM BPSK	108	0	22.95	22.83	22.74	24.50
		108	54	23.22	23.07	23.11	24.50
		108	108	23.28	22.88	22.86	24.50
	DFT-s-OFDM BPSK	216	0	22.20	22.02	22.07	23.50
	DFT-s-OFDM QPSK	1	1	23.20	23.21	23.15	24.50
		1	108	23.05	23.11	23.22	24.50
		1	214	23.08	23.08	23.12	24.50
	DFT-s-OFDM QPSK	108	0	23.00	22.84	22.79	24.50
		108	54	23.19	22.99	23.18	24.50
		108	108	23.13	22.90	22.83	24.50
	DFT-s-OFDM QPSK	216	0	22.12	22.08	21.98	23.50
	DFT-s-OFDM 16QAM	1	1	22.56	22.36	22.25	23.50
	DFT-s-OFDM 64QAM	1	1	20.99	20.93	21.06	22.00
	DFT-s-OFDM 256QAM	1	1	18.86	19.02	18.95	20.00
CP-OFDM QPSK	1	1	21.62	21.70	21.72	23.00	
CP-OFDM 16QAM	1	1	21.01	20.84	20.76	22.50	
CP-OFDM 64QAM	1	1	19.66	19.78	19.74	21.00	
CP-OFDM 256QAM	1	1	16.81	16.87	16.86	18.00	



## N66-ANT31 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	20.58	20.65	20.74	21.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	20.66	20.93	20.63	21.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	20.68	20.97	20.89	21.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	20.84	20.77	20.75	21.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	20.52	20.94	20.56	21.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	20.54	20.93	20.71	21.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	20.51	20.89	20.68	21.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	20.63	20.85	20.66	21.50
		1	108	20.58	20.69	20.67	21.50
		1	214	20.61	20.84	20.60	21.50
	DFT-s-OFDM BPSK	108	0	20.72	20.69	20.66	21.50
		108	54	20.55	20.65	21.07	21.50
		108	108	20.87	20.78	20.77	21.50
	DFT-s-OFDM BPSK	216	0	20.41	20.64	20.58	21.50
	DFT-s-OFDM QPSK	1	1	20.64	20.78	20.72	21.50
		1	108	20.70	20.76	20.68	21.50
		1	214	20.71	20.75	20.71	21.50
	DFT-s-OFDM QPSK	108	0	20.86	20.80	20.61	21.50
		108	54	20.64	20.76	20.94	21.50
		108	108	20.95	20.80	20.73	21.50
	DFT-s-OFDM QPSK	216	0	20.54	20.71	20.62	21.50
	DFT-s-OFDM 16QAM	1	1	21.06	20.89	20.72	21.50
	DFT-s-OFDM 64QAM	1	1	21.00	21.16	21.07	21.50
	DFT-s-OFDM 256QAM	1	1	19.12	19.22	19.39	20.00
	CP-OFDM QPSK	1	1	20.71	20.74	20.77	21.50
CP-OFDM 16QAM	1	1	20.60	20.42	20.43	21.50	
CP-OFDM 64QAM	1	1	20.11	20.01	19.88	21.00	
CP-OFDM 256QAM	1	1	16.94	17.05	17.20	18.00	

## N66-ANT31 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	19.69	19.80	19.72	20.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	19.84	19.95	19.66	20.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	19.64	20.10	20.00	20.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	19.98	19.82	19.96	20.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	19.92	19.89	19.86	20.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	19.82	20.15	19.79	20.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	19.79	20.10	19.75	20.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	19.70	20.06	19.99	20.50
		1	108	19.83	19.82	19.74	20.50
		1	214	19.78	19.72	19.58	20.50
	DFT-s-OFDM BPSK	108	0	19.59	19.69	19.65	20.50
		108	54	19.85	19.84	19.49	20.50
		108	108	19.76	19.79	19.60	20.50
	DFT-s-OFDM BPSK	216	0	20.06	19.73	19.90	20.50
	DFT-s-OFDM QPSK	1	1	19.79	19.98	19.86	20.50
		1	108	19.72	19.73	19.68	20.50
		1	214	19.69	19.78	19.72	20.50
	DFT-s-OFDM QPSK	108	0	19.60	19.55	19.77	20.50
		108	54	19.76	19.72	19.61	20.50
		108	108	19.77	19.92	19.69	20.50
	DFT-s-OFDM QPSK	216	0	19.96	19.80	19.85	20.50
	DFT-s-OFDM 16QAM	1	1	20.12	20.02	20.07	20.50
	DFT-s-OFDM 64QAM	1	1	20.27	20.12	19.96	20.50
	DFT-s-OFDM 256QAM	1	1	19.13	19.18	19.18	20.00
CP-OFDM QPSK	1	1	19.75	19.83	19.66	20.50	
CP-OFDM 16QAM	1	1	19.48	19.54	19.58	20.50	
CP-OFDM 64QAM	1	1	20.07	19.93	19.78	20.50	
CP-OFDM 256QAM	1	1	16.77	16.90	16.73	18.00	

## 8.6.7 NR Band66 Output Power

## N66-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.43	23.40	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.39	23.20	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.15	23.47	23.14	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.30	23.46	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.35	23.23	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.08	23.49	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.11	23.29	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.36	23.41	23.39	24.50
		1	108	23.41	23.41	23.18	24.50
		1	214	23.03	23.09	22.99	24.50
	DFT-s-OFDM BPSK	108	0	23.34	23.35	22.93	24.50
		108	54	23.20	23.07	23.30	24.50
		108	108	22.94	23.29	23.06	24.50
	DFT-s-OFDM BPSK	216	0	22.26	22.33	22.07	23.50
		1	1	23.25	23.35	23.31	24.50
		1	108	23.30	23.31	23.28	24.50
	DFT-s-OFDM QPSK	1	214	23.18	23.16	23.08	24.50
		108	0	23.39	23.28	23.05	24.50
		108	54	23.07	23.21	23.40	24.50
	DFT-s-OFDM QPSK	108	108	23.05	23.19	23.04	24.50
		216	0	22.26	22.21	22.06	23.50
		DFT-s-OFDM QPSK	216	0	22.26	22.21	22.06
	DFT-s-OFDM 16QAM	1	1	22.23	22.39	22.54	23.50
	DFT-s-OFDM 64QAM	1	1	20.87	20.88	20.86	22.00
DFT-s-OFDM 256QAM	1	1	19.09	19.07	19.05	20.00	
CP-OFDM QPSK	1	1	21.88	21.75	21.81	23.00	
CP-OFDM 16QAM	1	1	20.88	20.93	20.74	22.50	
CP-OFDM 64QAM	1	1	19.84	19.79	19.87	21.00	
CP-OFDM 256QAM	1	1	16.63	16.83	16.72	18.00	

## N66-ANT11 DSI2&amp;3&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	22.31	22.19	22.41	23.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	22.20	22.22	22.37	23.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	22.36	22.17	22.19	23.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	22.24	22.31	22.17	23.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	22.12	22.20	22.41	23.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	22.48	22.43	22.44	23.00
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	22.24	22.23	22.21	23.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	22.18	22.41	22.25	23.00
		1	108	22.08	22.22	22.20	23.00
		1	214	22.25	22.17	22.34	23.00
	DFT-s-OFDM BPSK	108	0	22.45	22.01	22.09	23.00
		108	54	22.12	22.15	22.21	23.00
		108	108	22.25	22.21	22.20	23.00
	DFT-s-OFDM BPSK	216	0	22.13	22.09	22.28	23.00
		1	1	22.30	22.37	22.34	23.00
	DFT-s-OFDM QPSK	1	108	22.18	22.21	22.20	23.00
		1	214	22.12	22.14	22.19	23.00
		108	0	22.37	22.11	22.07	23.00
	DFT-s-OFDM QPSK	108	54	22.27	22.17	22.20	23.00
		108	108	22.11	22.06	22.27	23.00
		216	0	22.17	22.18	22.32	23.00
	DFT-s-OFDM QPSK	216	0	22.17	22.18	22.32	23.00
	DFT-s-OFDM 16QAM	1	1	22.40	22.55	22.36	23.00
	DFT-s-OFDM 64QAM	1	1	21.16	21.08	20.91	22.00
DFT-s-OFDM 256QAM	1	1	19.41	19.27	19.22	20.00	
CP-OFDM QPSK	1	1	21.73	21.80	21.83	23.00	
CP-OFDM 16QAM	1	1	20.89	21.00	20.88	22.50	
CP-OFDM 64QAM	1	1	19.85	19.91	20.00	21.00	
CP-OFDM 256QAM	1	1	16.97	16.92	17.05	18.00	

## N66-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.43	23.40	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.39	23.20	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.15	23.47	23.14	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.30	23.46	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.35	23.23	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.08	23.49	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.11	23.29	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.36	23.41	23.39	24.50
		1	108	23.41	23.41	23.18	24.50
		1	214	23.03	23.09	22.99	24.50
	DFT-s-OFDM BPSK	108	0	23.34	23.35	22.93	24.50
		108	54	23.20	23.07	23.30	24.50
		108	108	22.94	23.29	23.06	24.50
	DFT-s-OFDM BPSK	216	0	22.26	22.33	22.07	23.50
	DFT-s-OFDM QPSK	1	1	23.25	23.35	23.31	24.50
		1	108	23.30	23.31	23.28	24.50
		1	214	23.18	23.16	23.08	24.50
	DFT-s-OFDM QPSK	108	0	23.39	23.28	23.05	24.50
		108	54	23.07	23.21	23.40	24.50
		108	108	23.05	23.19	23.04	24.50
	DFT-s-OFDM QPSK	216	0	22.26	22.21	22.06	23.50
	DFT-s-OFDM 16QAM	1	1	22.23	22.39	22.54	23.50
	DFT-s-OFDM 64QAM	1	1	20.87	20.88	20.86	22.00
	DFT-s-OFDM 256QAM	1	1	19.09	19.07	19.05	20.00
	CP-OFDM QPSK	1	1	21.88	21.75	21.81	23.00
CP-OFDM 16QAM	1	1	20.88	20.93	20.74	22.50	
CP-OFDM 64QAM	1	1	19.84	19.79	19.87	21.00	
CP-OFDM 256QAM	1	1	16.63	16.83	16.72	18.00	

## N66-ANT11 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	22.11	21.92	21.93	22.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	21.96	22.14	21.74	22.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	21.75	21.96	22.05	22.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	22.06	22.15	21.87	22.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	21.96	21.95	21.93	22.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	21.76	21.87	21.89	22.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	21.78	21.85	21.83	22.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	21.86	22.08	21.84	22.50
		1	108	21.75	21.91	21.81	22.50
		1	214	21.77	21.76	21.52	22.50
	DFT-s-OFDM BPSK	108	0	21.66	21.80	21.88	22.50
		108	54	21.85	21.54	21.72	22.50
		108	108	21.56	21.46	21.57	22.50
	DFT-s-OFDM BPSK	216	0	21.76	21.68	21.64	22.50
	DFT-s-OFDM QPSK	1	1	21.95	21.96	21.89	22.50
		1	108	21.79	21.76	21.78	22.50
		1	214	21.75	21.69	21.67	22.50
	DFT-s-OFDM QPSK	108	0	21.55	21.82	21.73	22.50
		108	54	21.74	21.64	21.83	22.50
		108	108	21.59	21.59	21.55	22.50
	DFT-s-OFDM QPSK	216	0	21.79	21.75	21.79	22.50
	DFT-s-OFDM 16QAM	1	1	21.81	21.98	22.05	22.50
	DFT-s-OFDM 64QAM	1	1	20.81	20.86	20.73	22.00
	DFT-s-OFDM 256QAM	1	1	19.37	19.18	19.20	20.00
	CP-OFDM QPSK	1	1	21.82	21.74	21.84	22.50
CP-OFDM 16QAM	1	1	21.03	20.88	20.93	22.50	
CP-OFDM 64QAM	1	1	19.81	19.79	19.74	21.00	
CP-OFDM 256QAM	1	1	17.07	16.95	16.93	18.00	

## 8.6.6 NR Band66 Output Power

## N66-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.43	23.40	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.39	23.20	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.15	23.47	23.14	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.30	23.46	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.35	23.23	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.08	23.49	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.11	23.29	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.36	23.41	23.39	24.50
		1	108	23.41	23.41	23.18	24.50
		1	214	23.03	23.09	22.99	24.50
	DFT-s-OFDM BPSK	108	0	23.34	23.35	22.93	24.50
		108	54	23.20	23.07	23.30	24.50
		108	108	22.94	23.29	23.06	24.50
	DFT-s-OFDM BPSK	216	0	22.26	22.33	22.07	23.50
		1	1	23.25	23.35	23.31	24.50
		1	108	23.30	23.31	23.28	24.50
	DFT-s-OFDM QPSK	1	214	23.18	23.16	23.08	24.50
		108	0	23.39	23.28	23.05	24.50
		108	54	23.07	23.21	23.40	24.50
	DFT-s-OFDM QPSK	108	108	23.05	23.19	23.04	24.50
		216	0	22.26	22.21	22.06	23.50
		1	1	22.23	22.39	22.54	23.50
	DFT-s-OFDM 16QAM	1	1	20.87	20.88	20.86	22.00
	DFT-s-OFDM 64QAM	1	1	19.09	19.07	19.05	20.00
	DFT-s-OFDM 256QAM	1	1	21.88	21.75	21.81	23.00
CP-OFDM QPSK	1	1	20.88	20.93	20.74	22.50	
CP-OFDM 16QAM	1	1	19.84	19.79	19.87	21.00	
CP-OFDM 64QAM	1	1	16.63	16.83	16.72	18.00	

## N66-ANT11 DS12&amp;3&amp;5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	19.51	20.02	19.68	20.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	19.77	19.91	19.67	20.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	19.88	19.66	19.69	20.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	19.60	19.87	19.67	20.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	19.90	19.99	19.71	20.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	19.74	19.82	19.57	20.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	19.76	19.78	19.65	20.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	19.65	19.96	19.68	20.50
		1	108	19.88	19.76	19.70	20.50
		1	214	19.58	19.61	19.71	20.50
	DFT-s-OFDM BPSK	108	0	19.63	19.34	19.53	20.50
		108	54	19.90	19.75	19.78	20.50
		108	108	19.66	19.76	19.95	20.50
	DFT-s-OFDM BPSK	216	0	19.85	19.77	19.74	20.50
		1	1	19.70	19.83	19.53	20.50
	DFT-s-OFDM QPSK	1	108	19.83	19.75	19.74	20.50
		1	214	19.54	19.64	19.70	20.50
		108	0	19.55	19.48	19.49	20.50
	DFT-s-OFDM QPSK	108	54	19.78	19.65	19.69	20.50
		108	108	19.72	19.77	19.80	20.50
		216	0	19.86	19.71	19.74	20.50
	DFT-s-OFDM QPSK	216	0	19.86	19.71	19.74	20.50
	DFT-s-OFDM 16QAM	1	1	19.80	19.86	19.91	20.50
	DFT-s-OFDM 64QAM	1	1	19.97	19.88	20.02	20.50
DFT-s-OFDM 256QAM	1	1	19.11	19.17	19.07	20.00	
CP-OFDM QPSK	1	1	19.73	19.73	19.88	20.50	
CP-OFDM 16QAM	1	1	19.48	19.53	19.46	20.50	
CP-OFDM 64QAM	1	1	19.66	19.77	19.76	20.50	
CP-OFDM 256QAM	1	1	17.01	16.98	16.86	18.00	



## N66-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	23.43	23.40	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	23.39	23.20	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	23.15	23.47	23.14	24.50
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	23.30	23.46	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	23.35	23.23	23.11	24.50
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	23.08	23.49	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	23.11	23.29	23.26	24.50
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	23.14	23.44	23.26	24.50
		1	108	23.33	23.22	23.31	24.50
		1	214	23.21	23.24	23.01	24.50
	DFT-s-OFDM BPSK	108	0	23.37	23.15	22.97	24.50
		108	54	23.01	23.17	23.26	24.50
		108	108	23.20	23.25	23.13	24.50
	DFT-s-OFDM BPSK	216	0	22.41	22.08	22.16	23.50
		1	1	23.25	23.35	23.31	24.50
		1	108	23.30	23.31	23.28	24.50
	DFT-s-OFDM QPSK	1	214	23.18	23.16	23.08	24.50
		108	0	23.39	23.28	23.05	24.50
		108	54	23.07	23.21	23.40	24.50
	DFT-s-OFDM QPSK	108	108	23.05	23.19	23.04	24.50
		216	0	22.26	22.21	22.06	23.50
		1	1	22.23	22.39	22.54	23.50
	DFT-s-OFDM 16QAM	1	1	20.87	20.88	20.86	22.00
	DFT-s-OFDM 64QAM	1	1	19.09	19.07	19.05	20.00
	DFT-s-OFDM 256QAM	1	1	21.88	21.75	21.81	23.00
	CP-OFDM QPSK	1	1	20.88	20.93	20.74	22.50
	CP-OFDM 16QAM	1	1	19.84	19.79	19.87	21.00
CP-OFDM 64QAM	1	1	16.63	16.83	16.72	18.00	
CP-OFDM 256QAM	1	1					

## N66-ANT11 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		342500	349000	355500	Tune-up power(dB)
		RB Size	RB offset	1712.5	1745	1777.5	
5	DFT-s-OFDM BPSK	1	1	18.99	19.15	19.51	20.00
Bandwidth (MHz)	Modulation	Channel		343000	349000	355000	Tune-up power(dB)
		RB Size	RB offset	1715	1745	1775	
10	DFT-s-OFDM BPSK	1	1	18.97	19.19	19.31	20.00
Bandwidth (MHz)	Modulation	Channel		343500	349000	354500	Tune-up power(dB)
		RB Size	RB offset	1717.5	1745	1772.5	
15	DFT-s-OFDM BPSK	1	1	19.29	19.23	19.31	20.00
Bandwidth (MHz)	Modulation	Channel		344000	349000	354000	Tune-up power(dB)
		RB Size	RB offset	1720	1745	1770	
20	DFT-s-OFDM BPSK	1	1	19.24	19.38	19.26	20.00
Bandwidth (MHz)	Modulation	Channel		344500	349000	353500	Tune-up power(dB)
		RB Size	RB offset	1722.5	1745	1767.5	
25	DFT-s-OFDM BPSK	1	1	19.18	19.36	19.20	20.00
Bandwidth (MHz)	Modulation	Channel		345000	349000	353000	Tune-up power(dB)
		RB Size	RB offset	1725	1745	1765	
30	DFT-s-OFDM BPSK	1	1	19.14	19.31	19.47	20.00
Bandwidth (MHz)	Modulation	Channel		345500	349000	352500	Tune-up power(dB)
		RB Size	RB offset	1727.5	1745	1762.5	
35	DFT-s-OFDM BPSK	1	1	19.18	19.26	19.35	20.00
Bandwidth (MHz)	Modulation	Channel		346000	349000	352000	Tune-up power(dB)
		RB Size	RB offset	1730	1745	1760	
40	DFT-s-OFDM BPSK	1	1	19.04	19.24	19.49	20.00
		1	108	19.05	19.47	19.16	20.00
		1	214	19.22	19.32	19.48	20.00
	DFT-s-OFDM BPSK	108	0	19.21	19.05	19.33	20.00
		108	54	19.11	19.29	19.16	20.00
		108	108	19.27	19.06	19.07	20.00
	DFT-s-OFDM BPSK	216	0	19.38	19.26	19.02	20.00
	DFT-s-OFDM QPSK	1	1	19.09	19.25	19.38	20.00
		1	108	19.20	19.34	19.10	20.00
		1	214	19.25	19.23	19.37	20.00
	DFT-s-OFDM QPSK	108	0	19.29	19.15	19.32	20.00
		108	54	19.14	19.19	19.04	20.00
		108	108	19.35	19.18	19.18	20.00
	DFT-s-OFDM QPSK	216	0	19.39	19.24	19.11	20.00
	DFT-s-OFDM 16QAM	1	1	19.45	19.46	19.63	20.00
	DFT-s-OFDM 64QAM	1	1	19.49	19.44	19.45	20.00
	DFT-s-OFDM 256QAM	1	1	19.10	19.21	19.13	20.00
	CP-OFDM QPSK	1	1	19.38	19.23	19.18	20.00
CP-OFDM 16QAM	1	1	19.14	19.02	19.09	20.00	
CP-OFDM 64QAM	1	1	19.23	19.40	19.22	20.00	
CP-OFDM 256QAM	1	1	16.94	16.95	16.93	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.32	23.39	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.21	23.28	23.36	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.24	23.31	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.47	23.34	23.38	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.25	23.29	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.26	23.30	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.46	23.48	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.50	23.52	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.18	/	24.50
		1	137	/	23.44	/	24.50
		1	271	/	23.19	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.50	/	24.50
		135	69	/	23.31	/	24.50
		135	138	/	23.36	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.30	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.33	/	24.50
		1	137	/	23.37	/	24.50
		1	271	/	23.36	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.45	/	24.50
		135	69	/	23.26	/	24.50
		135	138	/	23.21	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.26	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.39	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.82	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.74	/	20.00
CP-OFDM QPSK	1	1	/	21.56	/	23.00	
CP-OFDM 16QAM	1	1	/	20.93	/	22.50	
CP-OFDM 64QAM	1	1	/	19.85	/	21.00	
CP-OFDM 256QAM	1	1	/	16.60	/	18.00	

## N77-ANT11 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	18.03	18.15	18.18	19.00
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.06	18.19	18.21	19.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.03	18.22	18.20	19.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.08	18.27	18.24	19.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.14	18.26	18.27	19.00
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.31	18.06	18.28	19.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.35	18.07	18.33	19.00
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	18.21	18.11	18.26	19.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.23	18.14	18.30	19.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.32	/	19.00
		1	137	/	18.42	/	19.00
		1	271	/	18.47	/	19.00
	DFT-s-OFDM BPSK	135	0	/	18.45	/	19.00
		135	69	/	18.28	/	19.00
		135	138	/	18.34	/	19.00
	DFT-s-OFDM BPSK	270	0	/	18.10	/	19.00
		1	1	/	18.23	/	19.00
	DFT-s-OFDM QPSK	1	137	/	18.34	/	19.00
		1	271	/	18.36	/	19.00
		135	0	/	18.51	/	19.00
	DFT-s-OFDM QPSK	135	69	/	18.33	/	19.00
		135	138	/	18.24	/	19.00
		270	0	/	18.30	/	19.00
	DFT-s-OFDM QPSK	270	0	/	18.30	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.42	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.29	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	18.33	/	19.00
	CP-OFDM QPSK	1	1	/	18.31	/	19.00
	CP-OFDM 16QAM	1	1	/	18.13	/	19.00
CP-OFDM 64QAM	1	1	/	18.22	/	19.00	
CP-OFDM 256QAM	1	1	/	16.85	/	18.00	

## N77-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.32	23.39	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.21	23.28	23.36	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.24	23.31	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.47	23.34	23.38	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.25	23.29	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.26	23.30	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.46	23.48	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.50	23.52	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.18	/	24.50
		1	137	/	23.44	/	24.50
		1	271	/	23.19	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.50	/	24.50
		135	69	/	23.31	/	24.50
		135	138	/	23.36	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.30	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.33	/	24.50
		1	137	/	23.37	/	24.50
		1	271	/	23.36	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.45	/	24.50
		135	69	/	23.26	/	24.50
		135	138	/	23.21	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.26	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.39	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.82	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.74	/	20.00
	CP-OFDM QPSK	1	1	/	21.56	/	23.00
CP-OFDM 16QAM	1	1	/	20.93	/	22.50	
CP-OFDM 64QAM	1	1	/	19.85	/	21.00	
CP-OFDM 256QAM	1	1	/	16.60	/	18.00	

## N77-ANT11 DSI5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	19.14	19.05	19.13	20.00
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	19.05	19.10	18.96	20.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	19.16	19.09	19.20	20.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	19.22	19.14	19.00	20.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	19.17	19.04	19.26	20.00
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.96	18.93	18.95	20.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	19.05	18.97	19.11	20.00
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	19.21	19.03	18.75	20.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	19.27	19.04	19.01	20.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	19.35	/	20.00
		1	137	/	19.56	/	20.00
		1	271	/	19.27	/	20.00
	DFT-s-OFDM BPSK	135	0	/	19.42	/	20.00
		135	69	/	19.11	/	20.00
		135	138	/	19.19	/	20.00
	DFT-s-OFDM BPSK	270	0	/	19.09	/	20.00
	DFT-s-OFDM QPSK	1	1	/	19.13	/	20.00
		1	137	/	19.43	/	20.00
		1	271	/	19.37	/	20.00
	DFT-s-OFDM QPSK	135	0	/	19.32	/	20.00
		135	69	/	19.19	/	20.00
		135	138	/	19.36	/	20.00
	DFT-s-OFDM QPSK	270	0	/	19.15	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	19.28	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	19.49	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	18.78	/	20.00
	CP-OFDM QPSK	1	1	/	19.29	/	20.00
	CP-OFDM 16QAM	1	1	/	18.83	/	20.00
	CP-OFDM 64QAM	1	1	/	19.20	/	20.00
CP-OFDM 256QAM	1	1	/	16.49	/	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.32	23.39	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.21	23.28	23.36	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.24	23.31	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.47	23.34	23.38	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.25	23.29	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.26	23.30	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.46	23.48	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.50	23.52	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.18	/	24.50
		1	137	/	23.44	/	24.50
		1	271	/	23.19	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.50	/	24.50
		135	69	/	23.31	/	24.50
		135	138	/	23.36	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.30	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.33	/	24.50
		1	137	/	23.37	/	24.50
		1	271	/	23.36	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.45	/	24.50
		135	69	/	23.26	/	24.50
		135	138	/	23.21	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.26	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.39	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.82	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.74	/	20.00
	CP-OFDM QPSK	1	1	/	21.56	/	23.00
CP-OFDM 16QAM	1	1	/	20.93	/	22.50	
CP-OFDM 64QAM	1	1	/	19.85	/	21.00	
CP-OFDM 256QAM	1	1	/	16.60	/	18.00	

## N77-ANT11 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	15.93	15.95	15.78	16.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	15.84	15.83	15.81	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.96	15.98	15.66	16.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.90	15.88	15.94	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.78	15.86	15.71	16.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.69	15.81	15.80	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.62	15.76	15.85	16.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	15.81	15.81	15.82	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.75	15.85	15.81	16.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.64	/	16.50
		1	137	/	15.68	/	16.50
		1	271	/	15.61	/	16.50
	DFT-s-OFDM BPSK	135	0	/	16.06	/	16.50
		135	69	/	15.82	/	16.50
		135	138	/	15.53	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.75	/	16.50
	DFT-s-OFDM QPSK	1	1	/	15.79	/	16.50
		1	137	/	15.63	/	16.50
		1	271	/	15.70	/	16.50
	DFT-s-OFDM QPSK	135	0	/	15.96	/	16.50
		135	69	/	15.95	/	16.50
		135	138	/	15.68	/	16.50
	DFT-s-OFDM QPSK	270	0	/	15.85	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.63	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	15.60	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.82	/	16.50
	CP-OFDM QPSK	1	1	/	15.85	/	16.50
CP-OFDM 16QAM	1	1	/	15.62	/	16.50	
CP-OFDM 64QAM	1	1	/	15.96	/	16.50	
CP-OFDM 256QAM	1	1	/	15.76	/	16.50	



## N77-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.32	23.39	23.25	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.21	23.28	23.36	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.42	23.52	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.24	23.31	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.47	23.34	23.38	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.25	23.29	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.26	23.30	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.46	23.48	23.32	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.50	23.52	23.30	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.18	/	24.50
		1	137	/	23.44	/	24.50
		1	271	/	23.19	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.50	/	24.50
		135	69	/	23.31	/	24.50
		135	138	/	23.36	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.30	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.33	/	24.50
		1	137	/	23.37	/	24.50
		1	271	/	23.36	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.45	/	24.50
		135	69	/	23.26	/	24.50
		135	138	/	23.21	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.26	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.39	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.82	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.74	/	20.00
	CP-OFDM QPSK	1	1	/	21.56	/	23.00
	CP-OFDM 16QAM	1	1	/	20.93	/	22.50
CP-OFDM 64QAM	1	1	/	19.85	/	21.00	
CP-OFDM 256QAM	1	1	/	16.60	/	18.00	

## N77-ANT11 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	18.72	18.86	18.74	19.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.76	18.61	18.62	19.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.68	18.93	18.79	19.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.84	18.66	18.57	19.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.69	18.55	18.60	19.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.69	18.72	18.78	19.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.74	18.69	18.85	19.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	18.69	18.81	18.78	19.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.61	18.78	18.75	19.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.71	/	19.50
		1	137	/	18.43	/	19.50
		1	271	/	18.66	/	19.50
	DFT-s-OFDM BPSK	135	0	/	18.64	/	19.50
		135	69	/	18.51	/	19.50
		135	138	/	18.45	/	19.50
	DFT-s-OFDM BPSK	270	0	/	18.77	/	19.50
	DFT-s-OFDM QPSK	1	1	/	18.74	/	19.50
		1	137	/	18.56	/	19.50
		1	271	/	18.52	/	19.50
	DFT-s-OFDM QPSK	135	0	/	18.77	/	19.50
		135	69	/	18.59	/	19.50
		135	138	/	18.50	/	19.50
	DFT-s-OFDM QPSK	270	0	/	18.77	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.83	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	18.95	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	18.96	/	19.50
	CP-OFDM QPSK	1	1	/	18.58	/	19.50
	CP-OFDM 16QAM	1	1	/	18.53	/	19.50
	CP-OFDM 64QAM	1	1	/	18.87	/	19.50
CP-OFDM 256QAM	1	1	/	16.61	/	18.00	

## N77-ANT11 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	18.03	18.15	18.18	19.00
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.06	18.19	18.21	19.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.03	18.22	18.20	19.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.08	18.27	18.24	19.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.14	18.26	18.27	19.00
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.31	18.06	18.28	19.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.35	18.07	18.33	19.00
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	18.21	18.11	18.26	19.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.23	18.14	18.30	19.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.32	/	19.00
		1	137	/	18.42	/	19.00
		1	271	/	18.47	/	19.00
	DFT-s-OFDM BPSK	135	0	/	18.45	/	19.00
		135	69	/	18.28	/	19.00
		135	138	/	18.34	/	19.00
	DFT-s-OFDM BPSK	270	0	/	18.10	/	19.00
	DFT-s-OFDM QPSK	1	1	/	18.23	/	19.00
		1	137	/	18.34	/	19.00
		1	271	/	18.36	/	19.00
	DFT-s-OFDM QPSK	135	0	/	18.51	/	19.00
		135	69	/	18.33	/	19.00
		135	138	/	18.24	/	19.00
	DFT-s-OFDM QPSK	270	0	/	18.30	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.42	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.29	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	18.33	/	19.00
CP-OFDM QPSK	1	1	/	18.31	/	19.00	
CP-OFDM 16QAM	1	1	/	18.13	/	19.00	
CP-OFDM 64QAM	1	1	/	18.22	/	19.00	
CP-OFDM 256QAM	1	1	/	16.85	/	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT12 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.61	23.29	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.43	23.28	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.65	23.33	23.57	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.57	23.40	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.39	23.59	23.61	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.35	23.51	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.71	23.63	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.31	23.28	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.35	23.32	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.47	/	24.50
		1	137	/	23.27	/	24.50
		1	271	/	23.19	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.26	/	24.50
		135	69	/	23.30	/	24.50
		135	138	/	23.48	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.35	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.52	/	24.50
		1	137	/	23.43	/	24.50
		1	271	/	23.35	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.43	/	24.50
		135	69	/	23.41	/	24.50
		135	138	/	23.44	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.27	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.63	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.89	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.79	/	20.00
	CP-OFDM QPSK	1	1	/	21.80	/	23.00
CP-OFDM 16QAM	1	1	/	20.89	/	22.50	
CP-OFDM 64QAM	1	1	/	19.75	/	21.00	
CP-OFDM 256QAM	1	1	/	16.53	/	18.00	

## N77-ANT12 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	17.96	17.78	17.75	18.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	17.75	17.93	17.62	18.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	17.97	17.82	17.78	18.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	17.76	17.97	17.68	18.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	17.68	17.84	17.92	18.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	17.63	17.82	17.86	18.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	17.76	17.75	17.85	18.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	17.85	17.92	17.86	18.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	17.88	18.03	17.90	18.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	17.91	/	18.50
		1	137	/	17.98	/	18.50
		1	271	/	17.97	/	18.50
	DFT-s-OFDM BPSK	135	0	/	18.05	/	18.50
		135	69	/	17.92	/	18.50
		135	138	/	17.93	/	18.50
	DFT-s-OFDM BPSK	270	0	/	17.68	/	18.50
	DFT-s-OFDM QPSK	1	1	/	17.84	/	18.50
		1	137	/	18.01	/	18.50
		1	271	/	17.88	/	18.50
	DFT-s-OFDM QPSK	135	0	/	18.00	/	18.50
		135	69	/	17.78	/	18.50
		135	138	/	17.74	/	18.50
	DFT-s-OFDM QPSK	270	0	/	17.84	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	17.90	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	17.87	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.92	/	18.50
	CP-OFDM QPSK	1	1	/	17.93	/	18.50
	CP-OFDM 16QAM	1	1	/	17.65	/	18.50
	CP-OFDM 64QAM	1	1	/	17.88	/	18.50
CP-OFDM 256QAM	1	1	/	16.79	/	18.00	

## N77-ANT12 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.61	23.29	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.43	23.28	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.65	23.33	23.57	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.57	23.40	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.39	23.59	23.61	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.35	23.51	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.71	23.63	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.31	23.28	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.35	23.32	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.47	/	24.50
		1	137	/	23.27	/	24.50
		1	271	/	23.19	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.26	/	24.50
		135	69	/	23.30	/	24.50
		135	138	/	23.48	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.35	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.52	/	24.50
		1	137	/	23.43	/	24.50
		1	271	/	23.35	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.43	/	24.50
		135	69	/	23.41	/	24.50
		135	138	/	23.44	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.27	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.63	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.89	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.79	/	20.00
	CP-OFDM QPSK	1	1	/	21.80	/	23.00
	CP-OFDM 16QAM	1	1	/	20.89	/	22.50
	CP-OFDM 64QAM	1	1	/	19.75	/	21.00
CP-OFDM 256QAM	1	1	/	16.53	/	18.00	

## N77-ANT12 DSI5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.69	21.95	21.83	22.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.92	21.85	21.69	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.74	21.98	21.87	22.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.97	22.05	21.74	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.86	21.68	21.76	22.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.75	21.63	21.74	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.92	22.03	21.80	22.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	21.85	21.86	21.95	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.04	21.90	21.98	22.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.04	/	22.50
		1	137	/	21.93	/	22.50
		1	271	/	21.84	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.58	/	22.50
		135	69	/	21.86	/	22.50
		135	138	/	21.64	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.92	/	22.50
		1	1	/	21.88	/	22.50
	DFT-s-OFDM QPSK	1	137	/	22.06	/	22.50
		1	271	/	21.70	/	22.50
		135	0	/	21.58	/	22.50
	DFT-s-OFDM QPSK	135	69	/	21.86	/	22.50
		135	138	/	21.88	/	22.50
		270	0	/	21.70	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	22.20	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	21.02	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	19.00	/	20.00
	CP-OFDM QPSK	1	1	/	21.96	/	22.50
CP-OFDM 16QAM	1	1	/	21.14	/	22.50	
CP-OFDM 64QAM	1	1	/	19.92	/	21.00	
CP-OFDM 256QAM	1	1	/	16.79	/	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT12 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.61	23.29	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.43	23.28	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.65	23.33	23.57	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.57	23.40	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.39	23.59	23.61	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.35	23.51	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.71	23.63	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.31	23.28	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.35	23.32	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.47	/	24.50
		1	137	/	23.27	/	24.50
		1	271	/	23.19	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.26	/	24.50
		135	69	/	23.30	/	24.50
		135	138	/	23.48	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.35	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.52	/	24.50
		1	137	/	23.43	/	24.50
		1	271	/	23.35	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.43	/	24.50
		135	69	/	23.41	/	24.50
		135	138	/	23.44	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.27	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.63	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.89	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.79	/	20.00
CP-OFDM QPSK	1	1	/	21.80	/	23.00	
CP-OFDM 16QAM	1	1	/	20.89	/	22.50	
CP-OFDM 64QAM	1	1	/	19.75	/	21.00	
CP-OFDM 256QAM	1	1	/	16.53	/	18.00	



## N77-ANT12 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	15.06	15.21	15.28	16.00
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	15.23	15.24	15.29	16.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.03	15.29	15.34	16.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.22	15.20	15.37	16.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.34	14.99	15.15	16.00
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.16	15.23	15.19	16.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.20	15.27	15.30	16.00
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	15.21	15.35	15.18	16.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.24	15.38	15.07	16.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.18	/	16.00
		1	137	/	15.38	/	16.00
		1	271	/	15.26	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.03	/	16.00
		135	69	/	14.96	/	16.00
		135	138	/	15.33	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.67	/	16.00
	DFT-s-OFDM QPSK	1	1	/	15.18	/	16.00
		1	137	/	15.52	/	16.00
		1	271	/	15.36	/	16.00
	DFT-s-OFDM QPSK	135	0	/	14.90	/	16.00
		135	69	/	14.96	/	16.00
		135	138	/	15.19	/	16.00
	DFT-s-OFDM QPSK	270	0	/	15.64	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	15.54	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	15.56	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	15.38	/	16.00
	CP-OFDM QPSK	1	1	/	15.34	/	16.00
	CP-OFDM 16QAM	1	1	/	14.96	/	16.00
CP-OFDM 64QAM	1	1	/	15.76	/	16.00	
CP-OFDM 256QAM	1	1	/	15.24	/	16.00	

## N77-ANT12 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.61	23.29	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.43	23.28	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.65	23.33	23.57	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.57	23.40	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.39	23.59	23.61	24.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.35	23.51	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.71	23.63	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	23.31	23.28	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.35	23.32	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.57	/	24.50
		1	137	/	23.20	/	24.50
		1	271	/	23.17	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.31	/	24.50
		135	69	/	23.30	/	24.50
		135	138	/	23.53	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.35	/	23.50
	DFT-s-OFDM QPSK	1	1	/	23.46	/	24.50
		1	137	/	23.33	/	24.50
		1	271	/	23.28	/	24.50
	DFT-s-OFDM QPSK	135	0	/	23.38	/	24.50
		135	69	/	23.42	/	24.50
		135	138	/	23.46	/	24.50
	DFT-s-OFDM QPSK	270	0	/	22.24	/	23.50
	DFT-s-OFDM 16QAM	1	1	/	22.66	/	23.50
	DFT-s-OFDM 64QAM	1	1	/	20.80	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	18.69	/	20.00
	CP-OFDM QPSK	1	1	/	21.86	/	23.00
CP-OFDM 16QAM	1	1	/	20.84	/	22.50	
CP-OFDM 64QAM	1	1	/	19.78	/	21.00	
CP-OFDM 256QAM	1	1	/	16.53	/	18.00	

## N77-ANT12 DSI5&amp;8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	19.24	19.21	19.18	20.00
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	19.24	19.14	19.23	20.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	19.37	19.18	19.21	20.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	19.22	19.08	19.30	20.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	19.13	19.27	19.00	20.00
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	19.17	19.21	19.16	20.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	19.05	19.25	19.18	20.00
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	19.11	19.19	19.25	20.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	19.05	19.16	19.32	20.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	19.25	/	20.00
		1	137	/	19.49	/	20.00
		1	271	/	19.26	/	20.00
	DFT-s-OFDM BPSK	135	0	/	19.55	/	20.00
		135	69	/	19.31	/	20.00
		135	138	/	19.36	/	20.00
	DFT-s-OFDM BPSK	270	0	/	19.36	/	20.00
		1	1	/	19.18	/	20.00
	DFT-s-OFDM QPSK	1	137	/	19.37	/	20.00
		1	271	/	19.18	/	20.00
		135	0	/	19.45	/	20.00
	DFT-s-OFDM QPSK	135	69	/	19.30	/	20.00
		135	138	/	19.47	/	20.00
		270	0	/	19.50	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	19.35	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	19.61	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	19.20	/	20.00
	CP-OFDM QPSK	1	1	/	19.28	/	20.00
	CP-OFDM 16QAM	1	1	/	18.94	/	20.00
	CP-OFDM 64QAM	1	1	/	19.63	/	20.00
CP-OFDM 256QAM	1	1	/	16.63	/	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT21 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.62	21.63	21.61	22.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.52	21.43	21.46	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.64	21.69	21.67	22.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.61	21.45	21.43	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.75	21.48	21.42	22.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.74	21.45	21.41	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.50	21.58	21.71	22.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	21.43	21.42	21.68	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	21.45	21.44	21.73	22.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.39	/	22.50
		1	137	/	21.75	/	22.50
		1	271	/	21.51	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.59	/	22.50
		135	69	/	21.59	/	22.50
		135	138	/	21.57	/	22.50
	DFT-s-OFDM BPSK	270	0	/	20.45	/	21.50
	DFT-s-OFDM QPSK	1	1	/	21.57	/	22.50
		1	137	/	21.73	/	22.50
		1	271	/	21.37	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.61	/	22.50
		135	69	/	21.40	/	22.50
		135	138	/	21.62	/	22.50
	DFT-s-OFDM QPSK	270	0	/	20.47	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.54	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	18.95	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	16.91	/	18.00
	CP-OFDM QPSK	1	1	/	20.04	/	21.00
CP-OFDM 16QAM	1	1	/	18.98	/	20.50	
CP-OFDM 64QAM	1	1	/	17.96	/	19.00	
CP-OFDM 256QAM	1	1	/	14.84	/	16.00	

## N77-ANT21 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	15.82	15.81	15.69	16.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	15.92	15.79	15.83	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.84	16.11	15.72	16.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.95	15.85	16.14	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.86	16.02	15.97	16.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.83	15.90	15.93	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	16.10	16.04	15.84	16.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	15.84	15.93	15.88	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.85	16.02	16.10	16.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	16.26	/	16.50
		1	137	/	15.98	/	16.50
		1	271	/	15.80	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.88	/	16.50
		135	69	/	16.04	/	16.50
		135	138	/	16.17	/	16.50
	DFT-s-OFDM BPSK	270	0	/	16.00	/	16.50
	DFT-s-OFDM QPSK	1	1	/	15.87	/	16.50
		1	137	/	15.94	/	16.50
		1	271	/	15.88	/	16.50
	DFT-s-OFDM QPSK	135	0	/	15.96	/	16.50
		135	69	/	16.02	/	16.50
		135	138	/	16.05	/	16.50
	DFT-s-OFDM QPSK	270	0	/	15.89	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	16.06	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	16.23	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	16.04	/	16.50
	CP-OFDM QPSK	1	1	/	16.02	/	16.50
	CP-OFDM 16QAM	1	1	/	15.84	/	16.50
	CP-OFDM 64QAM	1	1	/	16.09	/	16.50
CP-OFDM 256QAM	1	1	/	14.96	/	16.00	

## N77-ANT21 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.62	21.63	21.61	22.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.52	21.43	21.46	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.64	21.69	21.67	22.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.61	21.45	21.43	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.75	21.48	21.42	22.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.74	21.45	21.41	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.50	21.58	21.71	22.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	21.43	21.42	21.68	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	21.45	21.44	21.73	22.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.38	/	22.50
		1	137	/	21.67	/	22.50
		1	271	/	21.53	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.67	/	22.50
		135	69	/	21.51	/	22.50
		135	138	/	21.51	/	22.50
	DFT-s-OFDM BPSK	270	0	/	20.40	/	21.50
	DFT-s-OFDM QPSK	1	1	/	21.52	/	22.50
		1	137	/	21.67	/	22.50
		1	271	/	21.43	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.62	/	22.50
		135	69	/	21.53	/	22.50
		135	138	/	21.69	/	22.50
	DFT-s-OFDM QPSK	270	0	/	20.56	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.54	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	19.04	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	16.90	/	18.00
	CP-OFDM QPSK	1	1	/	19.97	/	21.00
	CP-OFDM 16QAM	1	1	/	19.08	/	20.50
CP-OFDM 64QAM	1	1	/	17.94	/	19.00	
CP-OFDM 256QAM	1	1	/	14.89	/	16.00	

## N77-ANT21 DS18&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	18.42	18.68	18.76	19.00
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.51	18.52	18.48	19.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.44	18.72	18.74	19.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.54	18.56	18.52	19.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.60	18.72	18.70	19.00
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.56	18.68	18.62	19.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.45	18.41	18.53	19.00
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	18.63	18.72	18.68	19.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.66	18.75	18.74	19.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.27	/	19.00
		1	137	/	18.32	/	19.00
		1	271	/	18.04	/	19.00
	DFT-s-OFDM BPSK	135	0	/	18.24	/	19.00
		135	69	/	18.69	/	19.00
		135	138	/	18.83	/	19.00
	DFT-s-OFDM BPSK	270	0	/	18.32	/	19.00
	DFT-s-OFDM QPSK	1	1	/	18.59	/	19.00
		1	137	/	18.28	/	19.00
		1	271	/	18.27	/	19.00
	DFT-s-OFDM QPSK	135	0	/	18.34	/	19.00
		135	69	/	18.65	/	19.00
		135	138	/	18.68	/	19.00
	DFT-s-OFDM QPSK	270	0	/	18.28	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.45	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.52	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	17.29	/	18.00
	CP-OFDM QPSK	1	1	/	18.34	/	19.00
	CP-OFDM 16QAM	1	1	/	18.08	/	19.00
CP-OFDM 64QAM	1	1	/	18.14	/	19.00	
CP-OFDM 256QAM	1	1	/	14.70	/	16.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT23 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.43	21.42	21.28	22.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.43	21.43	21.16	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.41	21.50	21.26	22.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.41	21.49	21.15	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.40	21.20	21.32	22.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.36	21.18	21.30	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.23	21.32	21.39	22.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	21.41	21.45	21.26	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	21.42	21.51	21.27	22.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.33	/	22.50
		1	137	/	21.54	/	22.50
		1	271	/	21.51	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.48	/	22.50
		135	69	/	21.48	/	22.50
		135	138	/	21.35	/	22.50
	DFT-s-OFDM BPSK	270	0	/	20.40	/	21.50
	DFT-s-OFDM QPSK	1	1	/	21.31	/	22.50
		1	137	/	21.53	/	22.50
		1	271	/	21.39	/	22.50
	DFT-s-OFDM QPSK	135	0	/	21.44	/	22.50
		135	69	/	21.40	/	22.50
		135	138	/	21.36	/	22.50
	DFT-s-OFDM QPSK	270	0	/	20.45	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.50	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	19.03	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	16.99	/	18.00
	CP-OFDM QPSK	1	1	/	19.93	/	21.00
CP-OFDM 16QAM	1	1	/	18.88	/	20.50	
CP-OFDM 64QAM	1	1	/	17.87	/	19.00	
CP-OFDM 256QAM	1	1	/	14.58	/	16.00	



## N77-ANT23 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	15.63	15.84	15.54	16.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	15.59	15.68	15.76	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.66	15.89	15.58	16.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.58	15.70	15.80	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.61	15.95	15.68	16.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.59	15.93	15.69	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.72	15.71	15.90	16.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	15.63	15.78	15.64	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.56	15.60	15.63	16.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.73	/	16.50
		1	137	/	15.92	/	16.50
		1	271	/	15.82	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.69	/	16.50
		135	69	/	15.77	/	16.50
		135	138	/	15.83	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.84	/	16.50
	DFT-s-OFDM QPSK	1	1	/	15.81	/	16.50
		1	137	/	15.89	/	16.50
		1	271	/	16.03	/	16.50
	DFT-s-OFDM QPSK	135	0	/	15.75	/	16.50
		135	69	/	15.67	/	16.50
		135	138	/	15.89	/	16.50
	DFT-s-OFDM QPSK	270	0	/	15.71	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.95	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	15.72	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.81	/	16.50
	CP-OFDM QPSK	1	1	/	15.62	/	16.50
	CP-OFDM 16QAM	1	1	/	15.52	/	16.50
	CP-OFDM 64QAM	1	1	/	15.70	/	16.50
CP-OFDM 256QAM	1	1	/	14.66	/	16.00	

## N77-ANT23 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.06	21.05	21.03	21.50
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.03	20.86	21.04	21.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.07	21.07	20.84	21.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.05	20.89	21.06	21.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.04	20.75	20.76	21.50
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.01	20.81	20.84	21.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	20.92	20.95	20.83	21.50
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	20.69	20.89	20.76	21.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	20.73	21.01	20.80	21.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	20.86	/	21.50
		1	137	/	20.83	/	21.50
		1	271	/	21.00	/	21.50
	DFT-s-OFDM BPSK	135	0	/	20.86	/	21.50
		135	69	/	20.79	/	21.50
		135	138	/	20.52	/	21.50
	DFT-s-OFDM BPSK	270	0	/	20.33	/	21.50
	DFT-s-OFDM QPSK	1	1	/	20.89	/	21.50
		1	137	/	20.86	/	21.50
		1	271	/	20.94	/	21.50
	DFT-s-OFDM QPSK	135	0	/	21.03	/	21.50
		135	69	/	20.89	/	21.50
		135	138	/	20.48	/	21.50
	DFT-s-OFDM QPSK	270	0	/	20.38	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.28	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	18.78	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	16.87	/	18.00
	CP-OFDM QPSK	1	1	/	19.82	/	21.00
	CP-OFDM 16QAM	1	1	/	18.92	/	20.50
	CP-OFDM 64QAM	1	1	/	17.91	/	19.00
CP-OFDM 256QAM	1	1	/	14.71	/	16.00	

## N77-ANT23 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	18.21	18.15	18.28	19.00
Bandwidth (MHz)	Modulation	Channel		630502	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.53	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.05	18.13	18.21	19.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.22	18.23	18.33	19.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.11	18.23	18.30	19.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.19	18.33	18.35	19.00
Bandwidth (MHz)	Modulation	Channel		631666	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3474.99	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.15	18.28	18.32	19.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.14	18.19	18.26	19.00
Bandwidth (MHz)	Modulation	Channel		623334	633334	643334	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3515.01	
70	DFT-s-OFDM BPSK	1	1	18.32	18.29	18.31	19.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.34	18.31	18.35	19.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.36	/	19.00
		1	137	/	18.30	/	19.00
		1	271	/	18.50	/	19.00
	DFT-s-OFDM BPSK	135	0	/	18.60	/	19.00
		135	69	/	18.45	/	19.00
		135	138	/	18.25	/	19.00
	DFT-s-OFDM BPSK	270	0	/	18.07	/	19.00
	DFT-s-OFDM QPSK	1	1	/	18.28	/	19.00
		1	137	/	18.38	/	19.00
		1	271	/	18.34	/	19.00
	DFT-s-OFDM QPSK	135	0	/	18.35	/	19.00
		135	69	/	18.24	/	19.00
		135	138	/	18.30	/	19.00
	DFT-s-OFDM QPSK	270	0	/	18.33	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.32	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.26	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	16.77	/	18.00
CP-OFDM QPSK	1	1	/	18.11	/	19.00	
CP-OFDM 16QAM	1	1	/	17.90	/	19.00	
CP-OFDM 64QAM	1	1	/	17.85	/	19.00	
CP-OFDM 256QAM	1	1	/	14.59	/	16.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.49	23.21	23.35	24.50
		Channel		647168	656000	664834	
15	DFT-s-OFDM BPSK	1	1	23.24	23.24	23.15	24.50
		Channel		647334	656000	664666	
20	DFT-s-OFDM BPSK	1	1	23.50	23.25	23.29	24.50
		Channel		647334	656000	664666	
30	DFT-s-OFDM BPSK	1	1	23.22	23.21	23.18	24.50
		Channel		647667	656000	664333	
40	DFT-s-OFDM BPSK	1	1	23.21	23.30	23.27	24.50
		Channel		647667	656000	664333	
50	DFT-s-OFDM BPSK	1	1	23.41	23.22	23.24	24.50
		Channel		648332	656000	663668	
60	DFT-s-OFDM BPSK	1	1	23.49	23.19	23.49	24.50
		Channel		648332	656000	663668	
70	DFT-s-OFDM BPSK	1	1	23.35	23.30	23.28	24.50
		Channel		648668	656000	663332	
80	DFT-s-OFDM BPSK	1	1	23.40	23.44	23.37	24.50
		Channel		648668	656000	663332	
100	DFT-s-OFDM BPSK	1	1	23.41	23.31	23.25	24.50
		Channel		650000	656000	662000	
100	DFT-s-OFDM BPSK	1	137	23.24	23.31	23.22	24.50
		Channel		650000	656000	663000	
100	DFT-s-OFDM BPSK	1	271	23.16	23.07	23.10	24.50
		Channel		649000	656000	663000	
100	DFT-s-OFDM BPSK	135	0	23.09	23.18	23.25	24.50
		Channel		649000	656000	663000	
100	DFT-s-OFDM BPSK	135	69	22.99	22.99	22.87	24.50
		Channel		649000	656000	663000	
100	DFT-s-OFDM BPSK	135	138	23.25	23.23	23.21	24.50
		Channel		649000	656000	663000	
100	DFT-s-OFDM BPSK	270	0	22.04	22.14	21.98	23.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM QPSK	1	1	23.39	23.28	23.32	24.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM QPSK	1	137	23.35	23.34	23.41	24.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM QPSK	1	271	22.91	22.98	23.08	24.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM QPSK	135	0	23.13	23.06	23.04	24.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM QPSK	135	69	23.10	23.13	23.08	24.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM QPSK	135	138	23.45	23.41	23.50	24.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM QPSK	270	0	22.01	21.89	21.87	23.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM 16QAM	1	1	22.43	22.48	22.43	23.50
		Channel		649334	656000	662666	
100	DFT-s-OFDM 64QAM	1	1	20.89	20.87	20.78	22.00
		Channel		649334	656000	662666	
100	DFT-s-OFDM 256QAM	1	1	18.68	18.53	18.58	20.00
		Channel		649334	656000	662666	
100	CP-OFDM QPSK	1	1	21.80	21.79	21.83	23.00
		Channel		649334	656000	662666	
100	CP-OFDM 16QAM	1	1	20.70	20.81	20.77	22.50
		Channel		649334	656000	662666	
100	CP-OFDM 64QAM	1	1	19.77	19.80	19.88	21.00
		Channel		649334	656000	662666	
100	CP-OFDM 256QAM	1	1	16.55	16.60	16.51	18.00
		Channel		649334	656000	662666	

## N77-ANT11 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	18.26	18.35	18.41	19.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	18.26	18.28	18.31	19.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	18.17	18.42	18.45	19.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.36	18.41	18.33	19.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	18.29	18.28	18.43	19.00
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	18.32	18.41	18.38	19.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.36	18.47	18.34	19.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	18.39	18.45	18.38	19.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.38	18.52	18.41	19.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.20	18.25	18.16	19.00
		1	137	18.46	18.38	18.39	19.00
		1	271	18.39	18.34	18.24	19.00
	DFT-s-OFDM BPSK	135	0	18.41	18.39	18.29	19.00
		135	69	18.30	18.41	18.44	19.00
		135	138	18.27	18.15	18.23	19.00
	DFT-s-OFDM BPSK	270	0	18.14	18.18	18.21	19.00
	DFT-s-OFDM QPSK	1	1	18.30	18.34	18.38	19.00
		1	137	18.24	18.27	18.36	19.00
		1	271	18.24	18.22	18.31	19.00
	DFT-s-OFDM QPSK	135	0	18.42	18.50	18.42	19.00
		135	69	18.16	18.21	18.25	19.00
		135	138	18.27	18.26	18.21	19.00
	DFT-s-OFDM QPSK	270	0	18.24	18.27	18.18	19.00
	DFT-s-OFDM 16QAM	1	1	18.49	18.45	18.41	19.00
	DFT-s-OFDM 64QAM	1	1	18.38	18.42	18.46	19.00
	DFT-s-OFDM 256QAM	1	1	18.29	18.34	18.35	19.00
	CP-OFDM QPSK	1	1	18.18	18.27	18.30	19.00
	CP-OFDM 16QAM	1	1	18.05	18.05	18.08	19.00
	CP-OFDM 64QAM	1	1	18.16	18.32	18.29	19.00
CP-OFDM 256QAM	1	1	16.86	16.72	16.80	18.00	

## N77-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.49	23.21	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	23.24	23.24	23.15	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.50	23.25	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.22	23.21	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.21	23.30	23.27	24.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	23.41	23.22	23.24	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.49	23.19	23.49	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	23.35	23.30	23.28	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.40	23.44	23.37	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.41	23.31	23.25	24.50
		1	137	23.24	23.31	23.22	
		1	271	23.16	23.07	23.10	
	DFT-s-OFDM BPSK	135	0	23.09	23.18	23.25	24.50
		135	69	22.99	22.99	22.87	
		135	138	23.25	23.23	23.21	
	DFT-s-OFDM BPSK	270	0	22.04	22.14	21.98	23.50
		1	1	23.39	23.28	23.32	
		1	137	23.35	23.34	23.41	
	DFT-s-OFDM QPSK	1	271	22.91	22.98	23.08	24.50
		135	0	23.13	23.06	23.04	
		135	69	23.10	23.13	23.08	
	DFT-s-OFDM QPSK	135	138	23.45	23.41	23.50	24.50
		270	0	22.01	21.89	21.87	
		270	0	22.01	21.89	21.87	
	DFT-s-OFDM 16QAM	1	1	22.43	22.48	22.43	23.50
	DFT-s-OFDM 64QAM	1	1	20.89	20.87	20.78	22.00
	DFT-s-OFDM 256QAM	1	1	18.68	18.53	18.58	20.00
	CP-OFDM QPSK	1	1	21.80	21.79	21.83	23.00
	CP-OFDM 16QAM	1	1	20.70	20.81	20.77	22.50
CP-OFDM 64QAM	1	1	19.77	19.80	19.88	21.00	
CP-OFDM 256QAM	1	1	16.55	16.60	16.51	18.00	

N77-ANT11 DSI5&8&9&10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	19.20	19.14	19.11	20.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	19.34	19.11	19.03	20.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	19.32	19.19	19.13	20.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	19.37	19.07	18.98	20.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	19.29	19.16	19.01	20.00
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	19.16	19.15	19.26	20.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	19.18	19.19	19.16	20.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	19.25	19.39	19.18	20.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	19.20	19.44	19.11	20.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	19.37	19.49	19.43	20.00
		1	137	19.47	19.40	19.43	
		1	271	19.19	19.15	19.24	
	DFT-s-OFDM BPSK	135	0	19.51	19.28	19.27	20.00
		135	69	18.93	19.00	19.03	
		135	138	19.36	19.34	19.14	
	DFT-s-OFDM BPSK	270	0	19.19	19.15	19.01	20.00
		1	1	19.17	19.22	19.22	
		1	137	19.40	19.37	19.32	
	DFT-s-OFDM QPSK	1	271	19.25	19.28	19.28	20.00
		135	0	19.30	19.36	19.30	
		135	69	19.20	19.18	19.17	
	DFT-s-OFDM QPSK	135	138	19.11	19.18	19.34	20.00
		270	0	19.26	19.18	19.02	
		1	1	19.47	19.44	19.46	
	DFT-s-OFDM 16QAM	1	1	19.47	19.44	19.46	20.00
	DFT-s-OFDM 64QAM	1	1	19.50	19.43	19.46	20.00
	DFT-s-OFDM 256QAM	1	1	18.90	18.86	18.94	20.00
	CP-OFDM QPSK	1	1	19.31	19.25	19.16	20.00
	CP-OFDM 16QAM	1	1	18.91	18.98	18.86	20.00
CP-OFDM 64QAM	1	1	19.39	19.29	19.22	20.00	
CP-OFDM 256QAM	1	1	16.49	16.52	16.64	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.49	23.21	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	23.24	23.24	23.15	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.50	23.25	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.22	23.21	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.21	23.30	23.27	24.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	23.41	23.22	23.24	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.49	23.19	23.49	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	23.35	23.30	23.28	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.40	23.44	23.37	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.41	23.31	23.25	24.50
		1	137	23.24	23.31	23.22	24.50
		1	271	23.16	23.07	23.10	24.50
	DFT-s-OFDM BPSK	135	0	23.09	23.18	23.25	24.50
		135	69	22.99	22.99	22.87	24.50
		135	138	23.25	23.23	23.21	24.50
	DFT-s-OFDM BPSK	270	0	22.04	22.14	21.98	23.50
		1	1	23.39	23.28	23.32	24.50
	DFT-s-OFDM QPSK	1	137	23.35	23.34	23.41	24.50
		1	271	22.91	22.98	23.08	24.50
		135	0	23.13	23.06	23.04	24.50
	DFT-s-OFDM QPSK	135	69	23.10	23.13	23.08	24.50
		135	138	23.45	23.41	23.50	24.50
		270	0	22.01	21.89	21.87	23.50
	DFT-s-OFDM 16QAM	1	1	22.43	22.48	22.43	23.50
	DFT-s-OFDM 64QAM	1	1	20.89	20.87	20.78	22.00
	DFT-s-OFDM 256QAM	1	1	18.68	18.53	18.58	20.00
	CP-OFDM QPSK	1	1	21.80	21.79	21.83	23.00
	CP-OFDM 16QAM	1	1	20.70	20.81	20.77	22.50
	CP-OFDM 64QAM	1	1	19.77	19.80	19.88	21.00
CP-OFDM 256QAM	1	1	16.55	16.60	16.51	18.00	



## N77-ANT11 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	15.76	15.68	15.64	16.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	15.62	15.81	15.73	16.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	15.87	15.74	15.59	16.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	15.86	15.92	15.75	16.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	15.77	15.93	15.42	16.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	15.74	15.59	15.48	16.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.89	15.69	15.42	16.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	15.85	15.91	15.74	16.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.78	15.88	15.58	16.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.73	15.72	15.65	16.50
		1	137	15.83	15.91	15.72	16.50
		1	271	15.81	15.82	15.74	16.50
	DFT-s-OFDM BPSK	135	0	15.75	15.67	15.65	16.50
		135	69	15.81	15.89	15.85	16.50
		135	138	15.49	15.46	15.49	16.50
	DFT-s-OFDM BPSK	270	0	15.74	15.82	15.67	16.50
	DFT-s-OFDM QPSK	1	1	15.73	15.80	15.62	16.50
		1	137	15.82	15.62	15.86	16.50
		1	271	15.66	15.74	15.53	16.50
	DFT-s-OFDM QPSK	135	0	15.79	15.64	15.68	16.50
		135	69	15.76	15.75	15.82	16.50
		135	138	15.62	15.50	15.57	16.50
	DFT-s-OFDM QPSK	270	0	15.69	15.62	15.49	16.50
	DFT-s-OFDM 16QAM	1	1	15.80	15.65	15.77	16.50
	DFT-s-OFDM 64QAM	1	1	15.78	15.76	15.86	16.50
	DFT-s-OFDM 256QAM	1	1	15.92	15.79	15.95	16.50
	CP-OFDM QPSK	1	1	15.72	15.79	15.63	16.50
	CP-OFDM 16QAM	1	1	15.53	15.48	15.36	16.50
	CP-OFDM 64QAM	1	1	15.91	15.88	15.80	16.50
CP-OFDM 256QAM	1	1	15.64	15.74	15.51	16.50	

## N77-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.49	23.21	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	23.24	23.24	23.15	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.50	23.25	23.29	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.22	23.21	23.18	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.21	23.30	23.27	24.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	23.41	23.22	23.24	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.49	23.19	23.49	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	23.35	23.30	23.28	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.40	23.44	23.37	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.41	23.31	23.25	24.50
		1	137	23.24	23.31	23.22	24.50
		1	271	23.16	23.07	23.10	24.50
	DFT-s-OFDM BPSK	135	0	23.09	23.18	23.25	24.50
		135	69	22.99	22.99	22.87	24.50
		135	138	23.25	23.23	23.21	24.50
	DFT-s-OFDM BPSK	270	0	22.04	22.14	21.98	23.50
		1	1	23.39	23.28	23.32	24.50
	DFT-s-OFDM QPSK	1	137	23.35	23.34	23.41	24.50
		1	271	22.91	22.98	23.08	24.50
		135	0	23.13	23.06	23.04	24.50
	DFT-s-OFDM QPSK	135	69	23.10	23.13	23.08	24.50
		135	138	23.45	23.41	23.50	24.50
		270	0	22.01	21.89	21.87	23.50
	DFT-s-OFDM 16QAM	1	1	22.43	22.48	22.43	23.50
	DFT-s-OFDM 64QAM	1	1	20.89	20.87	20.78	22.00
	DFT-s-OFDM 256QAM	1	1	18.68	18.53	18.58	20.00
	CP-OFDM QPSK	1	1	21.80	21.79	21.83	23.00
	CP-OFDM 16QAM	1	1	20.70	20.81	20.77	22.50
	CP-OFDM 64QAM	1	1	19.77	19.80	19.88	21.00
CP-OFDM 256QAM	1	1	16.55	16.60	16.51	18.00	

## N77-ANT11 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	18.59	18.62	18.74	19.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	18.68	18.69	18.75	19.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	18.62	18.63	18.89	19.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.70	18.65	18.88	19.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	18.67	18.63	19.04	19.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	18.76	18.85	18.75	19.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.79	18.93	18.82	19.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	18.68	18.69	18.74	19.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.66	18.65	18.79	19.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.65	18.53	18.64	19.50
		1	137	19.01	18.95	19.01	19.50
		1	271	18.75	18.65	18.58	19.50
	DFT-s-OFDM BPSK	135	0	18.96	18.87	18.82	19.50
		135	69	18.71	18.52	18.72	19.50
		135	138	18.87	18.88	18.95	19.50
	DFT-s-OFDM BPSK	270	0	18.68	18.77	18.66	19.50
		1	1	18.79	18.81	18.88	19.50
	DFT-s-OFDM QPSK	1	137	18.88	18.73	18.80	19.50
		1	271	18.79	18.83	18.76	19.50
		135	0	18.87	18.76	18.82	19.50
	DFT-s-OFDM QPSK	135	69	18.68	18.57	18.49	19.50
		135	138	18.78	18.73	18.78	19.50
		270	0	18.70	18.57	18.67	19.50
	DFT-s-OFDM 16QAM	1	1	18.89	18.84	18.78	19.50
	DFT-s-OFDM 64QAM	1	1	18.88	18.73	18.93	19.50
	DFT-s-OFDM 256QAM	1	1	18.91	18.74	18.96	19.50
CP-OFDM QPSK	1	1	18.68	18.58	18.51	19.50	
CP-OFDM 16QAM	1	1	18.52	18.45	18.61	19.50	
CP-OFDM 64QAM	1	1	18.77	18.81	18.68	19.50	
CP-OFDM 256QAM	1	1	16.63	16.46	16.43	18.00	

## N77-ANT11 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	18.26	18.35	18.41	19.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	18.26	18.28	18.31	19.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	18.17	18.42	18.45	19.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.36	18.41	18.33	19.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	18.29	18.28	18.43	19.00
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	18.32	18.41	18.38	19.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.36	18.47	18.34	19.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	18.39	18.45	18.38	19.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.38	18.52	18.41	19.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.20	18.25	18.16	19.00
		1	137	18.46	18.38	18.39	19.00
		1	271	18.39	18.34	18.24	19.00
	DFT-s-OFDM BPSK	135	0	18.41	18.39	18.29	19.00
		135	69	18.30	18.41	18.44	19.00
		135	138	18.27	18.15	18.23	19.00
	DFT-s-OFDM BPSK	270	0	18.14	18.18	18.21	19.00
		1	1	18.30	18.34	18.38	19.00
	DFT-s-OFDM QPSK	1	137	18.24	18.27	18.36	19.00
		1	271	18.24	18.22	18.31	19.00
		135	0	18.42	18.50	18.42	19.00
	DFT-s-OFDM QPSK	135	69	18.16	18.21	18.25	19.00
		135	138	18.27	18.26	18.21	19.00
		270	0	18.24	18.27	18.18	19.00
	DFT-s-OFDM 16QAM	1	1	18.49	18.45	18.41	19.00
	DFT-s-OFDM 64QAM	1	1	18.38	18.42	18.46	19.00
	DFT-s-OFDM 256QAM	1	1	18.29	18.34	18.35	19.00
CP-OFDM QPSK	1	1	18.18	18.27	18.30	19.00	
CP-OFDM 16QAM	1	1	18.05	18.05	18.08	19.00	
CP-OFDM 64QAM	1	1	18.16	18.32	18.29	19.00	
CP-OFDM 256QAM	1	1	16.86	16.72	16.80	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT12 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.42	23.38	23.41	24.50
		Channel		647168	656000	664834	
15	DFT-s-OFDM BPSK	1	1	23.32	23.31	23.41	24.50
		Channel		647334	656000	664666	
20	DFT-s-OFDM BPSK	1	1	23.49	23.41	23.44	24.50
		Channel		647667	656000	664333	
30	DFT-s-OFDM BPSK	1	1	23.37	23.38	23.48	24.50
		Channel		648000	656000	664000	
40	DFT-s-OFDM BPSK	1	1	23.39	23.35	23.48	24.50
		Channel		648332	656000	663668	
50	DFT-s-OFDM BPSK	1	1	23.48	23.24	23.35	24.50
		Channel		648668	656000	663332	
60	DFT-s-OFDM BPSK	1	1	23.52	23.24	23.43	24.50
		Channel		649000	656000	663000	
70	DFT-s-OFDM BPSK	1	1	23.46	23.31	23.42	24.50
		Channel		649334	656000	662666	
80	DFT-s-OFDM BPSK	1	1	23.51	23.34	23.44	24.50
		Channel		650000	656000	662000	
100	DFT-s-OFDM BPSK	1	1	23.28	23.29	23.29	24.50
		1	137	23.53	23.70	23.71	
		1	271	23.29	23.28	23.30	
	DFT-s-OFDM BPSK	135	0	23.22	23.34	23.30	24.50
		135	69	23.14	23.18	23.28	
		135	138	23.48	23.56	23.52	
	DFT-s-OFDM BPSK	270	0	22.19	22.14	22.15	23.50
		1	1	23.48	23.37	23.35	
		1	137	23.48	23.43	23.40	
	DFT-s-OFDM QPSK	1	271	23.25	23.23	23.27	24.50
		135	0	23.33	23.36	23.45	
		135	69	23.33	23.22	23.30	
	DFT-s-OFDM QPSK	135	138	23.57	23.49	23.57	24.50
		270	0	22.26	22.36	22.27	
		270	0	22.26	22.36	22.27	
	DFT-s-OFDM 16QAM	1	1	22.51	22.55	22.63	23.50
	DFT-s-OFDM 64QAM	1	1	20.97	20.90	20.91	22.00
	DFT-s-OFDM 256QAM	1	1	18.94	18.90	18.99	20.00
	CP-OFDM QPSK	1	1	21.75	21.79	21.89	23.00
	CP-OFDM 16QAM	1	1	21.02	21.09	21.18	22.50
CP-OFDM 64QAM	1	1	19.83	19.89	19.89	21.00	
CP-OFDM 256QAM	1	1	16.73	16.73	16.68	18.00	

N77-ANT12 DSI2&3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	17.95	17.71	18.02	18.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	18.02	17.79	17.85	18.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	17.96	17.78	18.07	18.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.09	17.77	17.79	18.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	17.96	17.98	18.03	18.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	18.03	17.94	17.95	18.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.10	17.99	18.03	18.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	17.94	17.81	17.89	18.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.01	17.82	18.03	18.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	17.95	17.83	17.85	18.50
		1	137	18.08	18.00	17.90	18.50
		1	271	17.90	17.99	17.88	18.50
	DFT-s-OFDM BPSK	135	0	18.02	18.02	17.96	18.50
		135	69	17.91	17.86	17.82	18.50
		135	138	17.88	18.03	17.98	18.50
	DFT-s-OFDM BPSK	270	0	17.87	17.81	17.88	18.50
		1	1	17.95	17.88	17.99	18.50
		1	137	17.89	18.05	17.87	18.50
	DFT-s-OFDM QPSK	1	271	17.92	17.93	17.88	18.50
		135	0	17.89	18.02	17.93	18.50
		135	69	17.83	17.81	17.79	18.50
	DFT-s-OFDM QPSK	135	138	17.93	17.93	17.77	18.50
		270	0	17.84	17.77	17.75	18.50
		1	1	17.93	17.90	18.01	18.50
	DFT-s-OFDM 16QAM	1	1	17.93	17.90	18.01	18.50
	DFT-s-OFDM 64QAM	1	1	18.01	17.99	18.00	18.50
	DFT-s-OFDM 256QAM	1	1	18.05	17.97	17.96	18.50
	CP-OFDM QPSK	1	1	17.96	17.84	17.82	18.50
	CP-OFDM 16QAM	1	1	17.73	17.65	17.70	18.50
CP-OFDM 64QAM	1	1	17.87	17.97	17.85	18.50	
CP-OFDM 256QAM	1	1	16.88	16.68	16.74	18.00	

## N77-ANT12 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.42	23.38	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	23.32	23.31	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.49	23.41	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.37	23.38	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.39	23.35	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	23.48	23.24	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.52	23.24	23.43	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	23.46	23.31	23.42	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.51	23.34	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.28	23.29	23.29	24.50
		1	137	23.53	23.70	23.71	
		1	271	23.29	23.28	23.30	
	DFT-s-OFDM BPSK	135	0	23.22	23.34	23.30	24.50
		135	69	23.14	23.18	23.28	
		135	138	23.48	23.56	23.52	
	DFT-s-OFDM BPSK	270	0	22.19	22.14	22.15	23.50
		1	1	23.48	23.37	23.35	
		1	137	23.48	23.43	23.40	
	DFT-s-OFDM QPSK	1	271	23.25	23.23	23.27	24.50
		135	0	23.33	23.36	23.45	
		135	69	23.33	23.22	23.30	
	DFT-s-OFDM QPSK	135	138	23.57	23.49	23.57	24.50
		270	0	22.26	22.36	22.27	
		1	1	22.51	22.55	22.63	
	DFT-s-OFDM 16QAM	1	1	20.97	20.90	20.91	22.00
	DFT-s-OFDM 256QAM	1	1	18.94	18.90	18.99	20.00
	CP-OFDM QPSK	1	1	21.75	21.79	21.89	23.00
	CP-OFDM 16QAM	1	1	21.02	21.09	21.18	22.50
	CP-OFDM 64QAM	1	1	19.83	19.89	19.89	21.00
CP-OFDM 256QAM	1	1	16.73	16.73	16.68	18.00	

## N77-ANT12 DSI5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.79	21.83	21.75	22.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	22.06	22.03	21.95	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.82	21.88	21.81	22.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	22.14	22.12	21.98	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.91	22.19	21.81	22.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	21.93	21.95	21.94	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.99	21.97	22.01	22.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	21.89	21.84	21.85	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.93	21.89	22.02	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	22.10	22.13	22.06	22.50
		1	137	21.91	21.96	22.00	22.50
		1	271	21.96	21.93	21.97	22.50
	DFT-s-OFDM BPSK	135	0	21.49	21.61	21.66	22.50
		135	69	21.86	21.87	21.85	22.50
		135	138	21.79	21.59	21.63	22.50
	DFT-s-OFDM BPSK	270	0	21.94	21.88	21.87	22.50
	DFT-s-OFDM QPSK	1	1	21.95	22.01	21.95	22.50
		1	137	22.04	22.09	22.02	22.50
		1	271	21.76	21.85	21.75	22.50
	DFT-s-OFDM QPSK	135	0	21.60	21.53	21.57	22.50
		135	69	21.82	21.78	21.68	22.50
		135	138	21.80	21.78	21.73	22.50
	DFT-s-OFDM QPSK	270	0	21.89	21.83	21.77	22.50
	DFT-s-OFDM 16QAM	1	1	22.23	22.19	22.21	22.50
	DFT-s-OFDM 64QAM	1	1	21.02	21.13	21.19	22.00
	DFT-s-OFDM 256QAM	1	1	19.07	18.99	19.08	20.00
	CP-OFDM QPSK	1	1	21.98	21.92	22.02	22.50
	CP-OFDM 16QAM	1	1	21.01	20.95	21.05	22.50
	CP-OFDM 64QAM	1	1	20.08	19.95	20.00	21.00
CP-OFDM 256QAM	1	1	16.79	16.71	16.71	18.00	



## 8.6.8 NR Band77 Output Power

## N77-ANT12 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.42	23.38	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	23.32	23.31	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.49	23.41	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.37	23.38	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.39	23.35	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	23.48	23.24	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.52	23.24	23.43	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	23.46	23.31	23.42	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.51	23.34	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.28	23.29	23.29	24.50
		1	137	23.53	23.70	23.71	24.50
		1	271	23.29	23.28	23.30	24.50
	DFT-s-OFDM BPSK	135	0	23.22	23.34	23.30	24.50
		135	69	23.14	23.18	23.28	24.50
		135	138	23.48	23.56	23.52	24.50
	DFT-s-OFDM BPSK	270	0	22.19	22.14	22.15	23.50
		1	1	23.48	23.37	23.35	24.50
	DFT-s-OFDM QPSK	1	137	23.48	23.43	23.40	24.50
		1	271	23.25	23.23	23.27	24.50
		135	0	23.33	23.36	23.45	24.50
	DFT-s-OFDM QPSK	135	69	23.33	23.22	23.30	24.50
		135	138	23.57	23.49	23.57	24.50
		270	0	22.26	22.36	22.27	23.50
	DFT-s-OFDM 16QAM	1	1	22.51	22.55	22.63	23.50
	DFT-s-OFDM 64QAM	1	1	20.97	20.90	20.91	22.00
	DFT-s-OFDM 256QAM	1	1	18.94	18.90	18.99	20.00
	CP-OFDM QPSK	1	1	21.75	21.79	21.89	23.00
	CP-OFDM 16QAM	1	1	21.02	21.09	21.18	22.50
	CP-OFDM 64QAM	1	1	19.83	19.89	19.89	21.00
CP-OFDM 256QAM	1	1	16.73	16.73	16.68	18.00	

## N77-ANT12 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	15.68	15.25	15.39	16.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	15.45	15.32	15.28	16.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	15.60	15.17	15.44	16.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	15.51	15.39	15.24	16.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	15.33	15.20	15.49	16.00
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	15.36	15.38	15.38	16.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.33	15.39	15.40	16.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	15.39	15.25	15.26	16.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.49	15.21	15.16	16.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.45	15.49	15.34	16.00
		1	137	15.56	15.45	15.56	16.00
		1	271	15.56	15.61	15.38	16.00
	DFT-s-OFDM BPSK	135	0	15.13	15.21	15.09	16.00
		135	69	15.06	14.90	14.92	16.00
		135	138	15.01	14.92	15.05	16.00
	DFT-s-OFDM BPSK	270	0	15.50	15.33	15.39	16.00
		1	1	15.53	15.34	15.35	16.00
	DFT-s-OFDM QPSK	1	137	15.50	15.59	15.60	16.00
		1	271	15.47	15.57	15.46	16.00
		135	0	15.01	15.00	14.81	16.00
	DFT-s-OFDM QPSK	135	69	15.07	15.06	15.13	16.00
		135	138	15.09	15.13	15.14	16.00
		270	0	15.45	15.30	15.25	16.00
	DFT-s-OFDM 16QAM	1	1	15.57	15.37	15.46	16.00
	DFT-s-OFDM 64QAM	1	1	15.57	15.39	15.38	16.00
	DFT-s-OFDM 256QAM	1	1	15.53	15.53	15.37	16.00
	CP-OFDM QPSK	1	1	15.44	15.40	15.30	16.00
	CP-OFDM 16QAM	1	1	15.14	15.24	14.97	16.00
	CP-OFDM 64QAM	1	1	15.58	15.42	15.39	16.00
CP-OFDM 256QAM	1	1	15.36	15.45	15.38	16.00	

## N77-ANT12 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	23.42	23.38	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	23.32	23.31	23.41	24.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	23.49	23.41	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	23.37	23.38	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	23.39	23.35	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	23.48	23.24	23.35	24.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.52	23.24	23.43	24.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	23.46	23.31	23.42	24.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.51	23.34	23.44	24.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	23.30	23.18	23.22	24.50
		1	137	23.63	23.63	23.70	24.50
		1	271	23.22	23.10	23.07	24.50
	DFT-s-OFDM BPSK	135	0	23.32	23.41	23.40	24.50
		135	69	23.21	23.28	23.04	24.50
		135	138	23.46	23.37	23.33	24.50
	DFT-s-OFDM BPSK	270	0	22.15	21.95	22.08	23.50
	DFT-s-OFDM QPSK	1	1	23.43	23.32	23.43	24.50
		1	137	23.48	23.36	23.30	24.50
		1	271	23.29	23.34	23.28	24.50
	DFT-s-OFDM QPSK	135	0	23.42	23.24	23.39	24.50
		135	69	23.28	23.17	23.38	24.50
		135	138	23.47	23.41	23.34	24.50
	DFT-s-OFDM QPSK	270	0	22.28	22.34	22.29	23.50
	DFT-s-OFDM 16QAM	1	1	22.47	22.35	22.31	23.50
	DFT-s-OFDM 64QAM	1	1	20.97	20.85	20.90	22.00
	DFT-s-OFDM 256QAM	1	1	18.89	18.92	18.96	20.00
	CP-OFDM QPSK	1	1	21.78	21.76	21.64	23.00
	CP-OFDM 16QAM	1	1	20.99	20.97	20.88	22.50
	CP-OFDM 64QAM	1	1	19.90	19.79	19.86	21.00
CP-OFDM 256QAM	1	1	16.70	16.51	16.50	18.00	

## N77-ANT12 DSI5&amp;8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	19.23	19.21	19.19	20.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	19.26	19.19	19.21	20.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	19.43	19.07	19.29	20.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	19.32	19.06	19.29	20.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	19.49	19.35	19.47	20.00
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	19.24	19.21	19.36	20.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	19.26	19.12	19.56	20.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	19.31	19.28	19.28	20.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	19.33	19.25	19.31	20.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	19.55	19.65	19.57	20.00
		1	137	19.37	19.46	19.46	20.00
		1	271	19.23	19.12	19.26	20.00
	DFT-s-OFDM BPSK	135	0	19.33	19.37	19.30	20.00
		135	69	19.31	19.11	19.38	20.00
		135	138	19.47	19.46	19.45	20.00
	DFT-s-OFDM BPSK	270	0	19.24	19.24	19.28	20.00
		1	1	19.41	19.25	19.42	20.00
	DFT-s-OFDM QPSK	1	137	19.47	19.53	19.35	20.00
		1	271	19.36	19.43	19.43	20.00
		135	0	19.22	19.28	19.11	20.00
	DFT-s-OFDM QPSK	135	69	19.38	19.30	19.28	20.00
		135	138	19.38	19.36	19.27	20.00
		270	0	19.34	19.28	19.34	20.00
	DFT-s-OFDM 16QAM	1	1	19.48	19.51	19.46	20.00
	DFT-s-OFDM 64QAM	1	1	19.53	19.53	19.42	20.00
	DFT-s-OFDM 256QAM	1	1	19.15	19.25	19.15	20.00
CP-OFDM QPSK	1	1	19.40	19.36	19.30	20.00	
CP-OFDM 16QAM	1	1	19.11	18.93	19.20	20.00	
CP-OFDM 64QAM	1	1	19.53	19.52	19.55	20.00	
CP-OFDM 256QAM	1	1	16.80	16.75	16.65	18.00	

## 8.6.8 NR Band77 Output Power

## N77-ANT21 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.59	21.63	21.61	22.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	21.45	21.63	21.58	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.56	21.76	21.62	22.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	21.32	21.59	21.50	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.26	21.47	21.66	22.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	21.28	21.50	21.46	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.23	21.64	21.78	22.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	21.48	21.68	21.65	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.48	21.72	21.71	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.42	21.52	21.50	22.50
		1	137	21.84	21.80	21.85	22.50
		1	271	21.47	21.41	21.46	22.50
	DFT-s-OFDM BPSK	135	0	21.67	21.72	21.66	22.50
		135	69	21.64	21.61	21.54	22.50
		135	138	21.67	21.53	21.59	22.50
	DFT-s-OFDM BPSK	270	0	20.40	20.49	20.43	21.50
		1	1	21.43	21.58	21.61	22.50
	DFT-s-OFDM QPSK	1	137	21.74	21.76	21.76	22.50
		1	271	21.54	21.51	21.49	22.50
		135	0	21.62	21.57	21.60	22.50
	DFT-s-OFDM QPSK	135	69	21.50	21.53	21.57	22.50
		135	138	21.56	21.56	21.53	22.50
		270	0	20.42	20.47	20.48	21.50
	DFT-s-OFDM 16QAM	1	1	20.63	20.53	20.61	21.50
	DFT-s-OFDM 64QAM	1	1	19.02	18.96	18.87	20.00
	DFT-s-OFDM 256QAM	1	1	16.99	16.91	16.96	18.00
	CP-OFDM QPSK	1	1	19.89	19.91	19.86	21.00
	CP-OFDM 16QAM	1	1	19.12	19.05	18.99	20.50
	CP-OFDM 64QAM	1	1	17.96	18.03	18.13	19.00
CP-OFDM 256QAM	1	1	14.92	14.86	14.93	16.00	

## N77-ANT21 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	15.98	15.93	15.86	16.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	15.86	15.82	15.79	16.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	16.08	15.87	15.78	16.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	16.03	15.85	16.03	16.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	15.86	15.77	15.84	16.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	15.86	15.93	15.82	16.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.91	16.03	15.83	16.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	15.91	15.86	15.74	16.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.84	16.02	15.74	16.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	16.21	16.17	16.18	16.50
		1	137	16.01	15.99	15.90	16.50
		1	271	15.81	15.98	15.86	16.50
	DFT-s-OFDM BPSK	135	0	15.99	16.00	16.05	16.50
		135	69	16.06	16.02	15.99	16.50
		135	138	16.09	16.08	16.05	16.50
	DFT-s-OFDM BPSK	270	0	15.95	15.83	15.85	16.50
		1	1	15.99	15.95	15.96	16.50
		1	137	16.07	15.98	16.08	16.50
	DFT-s-OFDM QPSK	1	271	15.98	15.89	15.86	16.50
		135	0	15.85	15.92	15.81	16.50
		135	69	16.00	16.05	15.99	16.50
	DFT-s-OFDM QPSK	135	138	16.13	15.98	15.97	16.50
		270	0	16.11	16.01	16.03	16.50
		1	1	16.13	16.27	16.20	16.50
	DFT-s-OFDM 16QAM	1	1	16.18	16.13	16.06	16.50
	DFT-s-OFDM 64QAM	1	1	16.07	16.07	16.00	16.50
	CP-OFDM QPSK	1	1	15.91	16.09	16.07	16.50
	CP-OFDM 16QAM	1	1	15.77	15.79	15.75	16.50
	CP-OFDM 64QAM	1	1	16.12	16.08	16.14	16.50
CP-OFDM 256QAM	1	1	14.87	14.96	14.89	16.00	

## N77-ANT21 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.59	21.63	21.61	22.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	21.45	21.63	21.58	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.56	21.76	21.62	22.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	21.32	21.59	21.50	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.26	21.47	21.66	22.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	21.28	21.50	21.46	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.23	21.64	21.78	22.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	21.48	21.68	21.65	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.48	21.72	21.71	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.42	21.52	21.50	22.50
		1	137	21.84	21.80	21.85	22.50
		1	271	21.47	21.41	21.46	22.50
	DFT-s-OFDM BPSK	135	0	21.67	21.72	21.66	22.50
		135	69	21.64	21.61	21.54	22.50
		135	138	21.67	21.53	21.59	22.50
	DFT-s-OFDM BPSK	270	0	20.40	20.49	20.43	21.50
	DFT-s-OFDM QPSK	1	1	21.43	21.58	21.61	22.50
		1	137	21.74	21.76	21.76	22.50
		1	271	21.54	21.51	21.49	22.50
	DFT-s-OFDM QPSK	135	0	21.62	21.57	21.60	22.50
		135	69	21.50	21.53	21.57	22.50
		135	138	21.56	21.56	21.53	22.50
	DFT-s-OFDM QPSK	270	0	20.42	20.47	20.48	21.50
	DFT-s-OFDM 16QAM	1	1	20.63	20.53	20.61	21.50
	DFT-s-OFDM 64QAM	1	1	19.02	18.96	18.87	20.00
	DFT-s-OFDM 256QAM	1	1	16.99	16.91	16.96	18.00
	CP-OFDM QPSK	1	1	19.89	19.91	19.86	21.00
	CP-OFDM 16QAM	1	1	19.12	19.05	18.99	20.50
	CP-OFDM 64QAM	1	1	17.96	18.03	18.13	19.00
CP-OFDM 256QAM	1	1	14.92	14.86	14.93	16.00	

## N77-ANT21 DS18&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	18.35	18.48	18.51	19.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	18.45	18.49	18.50	19.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	18.38	18.63	18.55	19.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.43	18.55	18.67	19.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	18.46	18.61	18.40	19.00
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	18.34	18.54	18.49	19.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.36	18.64	18.65	19.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	18.28	18.28	18.35	19.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.34	18.34	18.31	19.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.50	18.55	18.65	19.00
		1	137	18.45	18.38	18.36	19.00
		1	271	18.53	18.49	18.50	19.00
	DFT-s-OFDM BPSK	135	0	18.37	18.51	18.53	19.00
		135	69	18.43	18.40	18.34	19.00
		135	138	18.48	18.52	18.62	19.00
	DFT-s-OFDM BPSK	270	0	18.32	18.38	18.37	19.00
		1	1	18.35	18.51	18.49	19.00
		1	137	18.55	18.49	18.50	19.00
	DFT-s-OFDM QPSK	1	271	18.43	18.55	18.46	19.00
		135	0	18.57	18.39	18.43	19.00
		135	69	18.52	18.42	18.48	19.00
	DFT-s-OFDM QPSK	135	138	18.37	18.36	18.36	19.00
		270	0	18.51	18.52	18.45	19.00
		1	1	18.45	18.47	18.50	19.00
	DFT-s-OFDM 16QAM	1	1	18.47	18.56	18.55	19.00
	DFT-s-OFDM 64QAM	1	1	16.94	17.03	17.11	18.00
	CP-OFDM QPSK	1	1	18.50	18.46	18.48	19.00
CP-OFDM 16QAM	1	1	18.17	18.17	18.25	19.00	
CP-OFDM 64QAM	1	1	18.02	17.99	17.91	19.00	
CP-OFDM 256QAM	1	1	14.81	14.90	14.91	16.00	



## 8.6.8 NR Band77 Output Power

## N77-ANT23 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	21.49	21.35	21.43	22.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	21.35	21.39	21.52	22.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	21.55	21.29	21.46	22.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	21.36	21.35	21.58	22.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	21.41	21.30	21.59	22.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	21.36	21.25	21.48	22.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.30	21.18	21.55	22.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	21.40	21.51	21.29	22.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.42	21.57	21.31	22.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	21.43	21.38	21.43	22.50
		1	137	21.49	21.57	21.48	22.50
		1	271	21.47	21.49	21.42	22.50
	DFT-s-OFDM BPSK	135	0	21.42	21.51	21.49	22.50
		135	69	21.49	21.46	21.37	22.50
		135	138	21.36	21.36	21.44	22.50
	DFT-s-OFDM BPSK	270	0	20.41	20.30	20.40	21.50
		1	1	21.38	21.38	21.45	22.50
	DFT-s-OFDM QPSK	1	137	21.55	21.48	21.38	22.50
		1	271	21.33	21.44	21.43	22.50
		135	0	21.54	21.47	21.54	22.50
	DFT-s-OFDM QPSK	135	69	21.48	21.29	21.37	22.50
		135	138	21.38	21.22	21.18	22.50
		270	0	20.40	20.47	20.57	21.50
	DFT-s-OFDM 16QAM	1	1	20.45	20.46	20.51	21.50
	DFT-s-OFDM 64QAM	1	1	18.89	18.95	18.94	20.00
	DFT-s-OFDM 256QAM	1	1	16.93	16.98	16.93	18.00
	CP-OFDM QPSK	1	1	19.92	19.78	19.73	21.00
	CP-OFDM 16QAM	1	1	18.95	18.90	18.92	20.50
	CP-OFDM 64QAM	1	1	17.81	17.82	17.74	19.00
CP-OFDM 256QAM	1	1	14.57	14.75	14.83	16.00	

## N77-ANT23 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	15.69	15.85	15.63	16.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	15.63	15.78	15.81	16.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	15.72	16.00	15.67	16.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	15.67	15.79	15.82	16.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	15.84	15.96	15.73	16.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	15.72	15.63	15.71	16.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.76	15.67	15.73	16.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	15.72	15.63	15.88	16.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.73	15.67	15.95	16.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	15.65	15.71	15.72	16.50
		1	137	15.82	15.86	15.83	16.50
		1	271	15.96	15.88	15.80	16.50
	DFT-s-OFDM BPSK	135	0	15.69	15.72	15.68	16.50
		135	69	15.69	15.75	15.81	16.50
		135	138	15.91	15.82	15.79	16.50
	DFT-s-OFDM BPSK	270	0	15.77	15.83	15.78	16.50
	DFT-s-OFDM QPSK	1	1	15.75	15.81	15.93	16.50
		1	137	15.91	16.02	15.97	16.50
		1	271	15.95	15.97	16.08	16.50
	DFT-s-OFDM QPSK	135	0	15.70	15.70	15.76	16.50
		135	69	15.74	15.84	15.74	16.50
		135	138	15.96	15.83	15.97	16.50
	DFT-s-OFDM QPSK	270	0	15.87	15.72	15.72	16.50
	DFT-s-OFDM 16QAM	1	1	16.02	15.96	15.94	16.50
	DFT-s-OFDM 64QAM	1	1	15.79	15.91	15.79	16.50
	DFT-s-OFDM 256QAM	1	1	15.92	15.87	15.97	16.50
	CP-OFDM QPSK	1	1	15.80	15.82	15.85	16.50
	CP-OFDM 16QAM	1	1	15.33	15.46	15.48	16.50
	CP-OFDM 64QAM	1	1	15.73	15.67	15.73	16.50
CP-OFDM 256QAM	1	1	14.56	14.54	14.71	16.00	

## N77-ANT23 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	20.81	20.73	20.84	21.50
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	20.74	20.62	20.75	21.50
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	20.84	20.86	20.87	21.50
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	20.69	20.65	20.73	21.50
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	20.76	20.85	20.69	21.50
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	21.00	20.83	20.86	21.50
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.02	20.89	20.81	21.50
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	20.76	20.72	20.85	21.50
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	20.80	20.79	20.93	21.50
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	20.63	20.72	20.68	21.50
		1	137	21.04	21.14	21.08	21.50
		1	271	21.15	21.08	21.03	21.50
	DFT-s-OFDM BPSK	135	0	20.96	21.05	21.15	21.50
		135	69	20.71	20.79	20.82	21.50
		135	138	20.82	20.72	20.70	21.50
	DFT-s-OFDM BPSK	270	0	20.37	20.34	20.43	21.50
	DFT-s-OFDM QPSK	1	1	20.82	20.75	20.82	21.50
		1	137	20.95	21.00	21.04	21.50
		1	271	20.97	20.97	21.04	21.50
	DFT-s-OFDM QPSK	135	0	21.00	20.93	20.89	21.50
		135	69	20.69	20.76	20.77	21.50
		135	138	20.71	20.78	20.85	21.50
	DFT-s-OFDM QPSK	270	0	20.33	20.31	20.33	21.50
	DFT-s-OFDM 16QAM	1	1	20.31	20.25	20.18	21.50
	DFT-s-OFDM 64QAM	1	1	18.79	18.80	18.78	20.00
	DFT-s-OFDM 256QAM	1	1	16.74	16.80	16.72	18.00
	CP-OFDM QPSK	1	1	19.74	19.65	19.64	21.00
	CP-OFDM 16QAM	1	1	18.89	18.90	18.89	20.50
	CP-OFDM 64QAM	1	1	17.79	17.78	17.83	19.00
CP-OFDM 256QAM	1	1	14.61	14.57	14.61	16.00	

## N77-ANT23 DS18&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	656000	665000	Tune-up power(dB)
		RB Size	RB offset	3705	3840	3975	
10	DFT-s-OFDM BPSK	1	1	18.11	18.15	18.25	19.00
Bandwidth (MHz)	Modulation	Channel		647168	656000	664834	Tune-up power(dB)
		RB Size	RB offset	3707.52	3840	3972.51	
15	DFT-s-OFDM BPSK	1	1	18.22	18.31	18.18	19.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	664666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3969.99	
20	DFT-s-OFDM BPSK	1	1	18.16	18.14	18.38	19.00
Bandwidth (MHz)	Modulation	Channel		647667	656000	664333	Tune-up power(dB)
		RB Size	RB offset	3715.01	3840	3964.99	
30	DFT-s-OFDM BPSK	1	1	18.19	18.33	18.10	19.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	18.34	18.19	18.28	19.00
Bandwidth (MHz)	Modulation	Channel		648332	656000	663668	Tune-up power(dB)
		RB Size	RB offset	3724.98	3840	3955.02	
50	DFT-s-OFDM BPSK	1	1	18.31	18.28	18.29	19.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.21	18.34	18.34	19.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3945	
70	DFT-s-OFDM BPSK	1	1	18.36	18.28	18.21	19.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.40	18.27	18.14	19.00
Bandwidth (MHz)	Modulation	Channel		650000	656000	662000	Tune-up power(dB)
		RB Size	RB offset	3750	3840	3930	
100	DFT-s-OFDM BPSK	1	1	18.31	18.44	18.51	19.00
		1	137	18.38	18.25	18.21	19.00
		1	271	18.48	18.40	18.35	19.00
	DFT-s-OFDM BPSK	135	0	18.44	18.49	18.55	19.00
		135	69	18.39	18.45	18.35	19.00
		135	138	18.13	18.19	18.18	19.00
	DFT-s-OFDM BPSK	270	0	18.07	18.19	18.21	19.00
		1	1	18.30	18.28	18.27	19.00
		1	137	18.45	18.48	18.45	19.00
	DFT-s-OFDM QPSK	1	271	18.39	18.38	18.28	19.00
		135	0	18.31	18.46	18.40	19.00
		135	69	18.28	18.39	18.42	19.00
	DFT-s-OFDM QPSK	135	138	18.37	18.30	18.28	19.00
		270	0	18.17	18.16	18.21	19.00
		1	1	18.27	18.27	18.27	19.00
	DFT-s-OFDM 16QAM	1	1	18.23	18.32	18.25	19.00
	DFT-s-OFDM 64QAM	1	1	16.85	16.82	16.78	18.00
	CP-OFDM QPSK	1	1	18.15	18.22	18.32	19.00
	CP-OFDM 16QAM	1	1	17.93	17.90	17.88	19.00
	CP-OFDM 64QAM	1	1	17.86	17.81	17.85	19.00
CP-OFDM 256QAM	1	1	14.74	14.67	14.71	16.00	

## 8.6.9 NR Band78 Output Power

## N78-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.95	24.96	24.91	26.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	25.09	25.19	25.01	26.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.98	25.00	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	25.16	25.19	25.13	26.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.22	25.20	24.96	26.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	25.25	24.96	25.25	26.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.93	24.96	25.07	26.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	25.21	25.23	24.93	26.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.94	25.07	25.32	26.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	25.05	25.20	24.99	26.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	25.23	/	26.50
		1	137	/	25.12	/	26.50
		1	271	/	25.21	/	26.50
	DFT-s-OFDM BPSK	135	0	/	25.19	/	26.50
		135	69	/	25.24	/	26.50
		135	138	/	25.31	/	26.50
	DFT-s-OFDM BPSK	270	0	/	24.02	/	25.50
		1	1	/	25.12	/	26.50
	DFT-s-OFDM QPSK	1	137	/	24.98	/	26.50
		1	271	/	25.18	/	26.50
		135	0	/	25.31	/	26.50
	DFT-s-OFDM QPSK	135	69	/	25.25	/	26.50
		135	138	/	25.34	/	26.50
		270	0	/	23.98	/	25.50
	DFT-s-OFDM 16QAM	1	1	/	23.85	/	25.50
	DFT-s-OFDM 64QAM	1	1	/	22.50	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.03	/	22.00
	CP-OFDM QPSK	1	1	/	23.63	/	25.00
	CP-OFDM 16QAM	1	1	/	22.94	/	24.50
	CP-OFDM 64QAM	1	1	/	22.13	/	23.00
CP-OFDM 256QAM	1	1	/	18.69	/	20.00	

## N78-ANT11 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	17.95	18.08	18.03	18.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.01	17.96	18.05	18.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	17.87	18.14	18.05	18.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.03	17.97	17.97	18.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.09	18.04	17.91	18.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	17.94	18.04	18.01	18.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	17.80	18.04	18.11	18.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	17.98	18.01	18.09	18.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	17.78	17.87	17.77	18.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	17.85	18.17	17.99	18.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	17.96	/	18.50
		1	137	/	17.83	/	18.50
		1	271	/	17.71	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.95	/	18.50
		135	69	/	18.03	/	18.50
		135	138	/	18.04	/	18.50
	DFT-s-OFDM BPSK	270	0	/	18.12	/	18.50
		1	1	/	17.97	/	18.50
	DFT-s-OFDM QPSK	1	137	/	17.87	/	18.50
		1	271	/	17.83	/	18.50
		135	0	/	17.97	/	18.50
	DFT-s-OFDM QPSK	135	69	/	17.91	/	18.50
		135	138	/	18.06	/	18.50
		270	0	/	18.13	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	18.19	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	17.90	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	18.19	/	18.50
	CP-OFDM QPSK	1	1	/	18.04	/	18.50
CP-OFDM 16QAM	1	1	/	17.90	/	18.50	
CP-OFDM 64QAM	1	1	/	18.14	/	18.50	
CP-OFDM 256QAM	1	1	/	17.80	/	18.50	

## N78-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.25	23.21	23.11	24.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.12	23.14	23.05	24.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.29	23.33	23.16	24.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.17	23.18	23.09	24.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.20	23.34	23.05	24.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.14	23.16	23.30	24.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.41	23.12	23.11	24.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	23.44	23.22	23.44	24.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.36	23.14	23.04	24.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.38	23.04	23.20	24.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.23	/	24.00
		1	137	/	23.41	/	24.00
		1	271	/	23.48	/	24.00
	DFT-s-OFDM BPSK	135	0	/	23.66	/	24.00
		135	69	/	23.24	/	24.00
		135	138	/	23.36	/	24.00
	DFT-s-OFDM BPSK	270	0	/	23.54	/	24.00
		1	1	/	23.24	/	24.00
	DFT-s-OFDM QPSK	1	137	/	23.35	/	24.00
		1	271	/	23.50	/	24.00
		135	0	/	23.54	/	24.00
	DFT-s-OFDM QPSK	135	69	/	23.31	/	24.00
		135	138	/	23.50	/	24.00
		270	0	/	23.49	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.62	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	23.21	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.02	/	22.00
	CP-OFDM QPSK	1	1	/	23.57	/	24.00
CP-OFDM 16QAM	1	1	/	23.12	/	24.00	
CP-OFDM 64QAM	1	1	/	22.10	/	23.00	
CP-OFDM 256QAM	1	1	/	18.79	/	20.00	

## N78-ANT11 DSI5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	19.21	19.15	19.10	20.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	19.25	19.21	19.24	20.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	19.29	19.30	19.20	20.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	19.30	19.33	19.31	20.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	19.28	19.34	19.23	20.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	19.22	19.20	19.22	20.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	19.28	19.21	19.39	20.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	19.25	19.38	19.20	20.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	19.24	19.49	19.45	20.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	19.29	19.16	19.55	20.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	19.23	/	20.00
		1	137	/	19.53	/	20.00
		1	271	/	19.55	/	20.00
	DFT-s-OFDM BPSK	135	0	/	19.50	/	20.00
		135	69	/	19.34	/	20.00
		135	138	/	19.26	/	20.00
	DFT-s-OFDM BPSK	270	0	/	19.42	/	20.00
		1	1	/	19.38	/	20.00
	DFT-s-OFDM QPSK	1	137	/	19.53	/	20.00
		1	271	/	19.55	/	20.00
		135	0	/	19.49	/	20.00
	DFT-s-OFDM QPSK	135	69	/	19.46	/	20.00
		135	138	/	19.25	/	20.00
		270	0	/	19.58	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	19.60	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	19.52	/	20.00
	CP-OFDM QPSK	1	1	/	19.41	/	20.00
CP-OFDM 16QAM	1	1	/	19.17	/	20.00	
CP-OFDM 64QAM	1	1	/	19.36	/	20.00	
CP-OFDM 256QAM	1	1	/	18.75	/	20.00	



## 8.6.9 NR Band78 Output Power

## N78-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.98	25.00	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	25.16	25.19	25.13	26.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.98	25.00	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	25.16	25.19	25.13	26.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.22	25.20	24.96	26.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	25.25	24.96	25.25	26.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.93	24.96	25.07	26.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	25.21	25.23	24.93	26.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.94	25.07	25.32	26.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	25.05	25.20	24.99	26.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	25.23	/	26.50
		1	137	/	25.12	/	26.50
		1	271	/	25.21	/	26.50
	DFT-s-OFDM BPSK	135	0	/	25.19	/	26.50
		135	69	/	25.24	/	26.50
		135	138	/	25.31	/	26.50
	DFT-s-OFDM BPSK	270	0	/	24.02	/	25.50
		1	1	/	25.12	/	26.50
		1	137	/	24.98	/	26.50
	DFT-s-OFDM QPSK	1	271	/	25.18	/	26.50
		135	0	/	25.31	/	26.50
		135	69	/	25.25	/	26.50
	DFT-s-OFDM QPSK	135	138	/	25.34	/	26.50
		270	0	/	23.98	/	25.50
		1	1	/	23.85	/	25.50
	DFT-s-OFDM 16QAM	1	1	/	22.50	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	21.03	/	22.00
	CP-OFDM QPSK	1	1	/	23.63	/	25.00
	CP-OFDM 16QAM	1	1	/	22.94	/	24.50
CP-OFDM 64QAM	1	1	/	22.13	/	23.00	
CP-OFDM 256QAM	1	1	/	18.69	/	20.00	

## N78-ANT11 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.49	15.72	15.59	16.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.46	15.66	15.70	16.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.49	15.72	15.59	16.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.46	15.66	15.70	16.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.69	15.62	15.44	16.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.38	15.71	15.73	16.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.58	15.34	15.46	16.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	15.65	15.52	15.42	16.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.70	15.69	15.69	16.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	15.51	15.38	15.55	16.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.80	/	16.00
		1	137	/	15.63	/	16.00
		1	271	/	15.69	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.09	/	16.00
		135	69	/	15.77	/	16.00
		135	138	/	15.46	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.65	/	16.00
		1	1	/	15.53	/	16.00
	DFT-s-OFDM QPSK	1	137	/	15.76	/	16.00
		1	271	/	15.40	/	16.00
		135	0	/	15.45	/	16.00
	DFT-s-OFDM QPSK	135	69	/	15.56	/	16.00
		135	138	/	15.42	/	16.00
		270	0	/	15.58	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	15.65	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	15.70	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	15.85	/	16.00
	CP-OFDM QPSK	1	1	/	15.35	/	16.00
	CP-OFDM 16QAM	1	1	/	15.29	/	16.00
	CP-OFDM 64QAM	1	1	/	15.58	/	16.00
CP-OFDM 256QAM	1	1	/	15.39	/	16.00	

## N78-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.29	23.33	23.16	24.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.17	23.18	23.09	24.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.29	23.33	23.16	24.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.17	23.18	23.09	24.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.20	23.34	23.05	24.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.14	23.16	23.30	24.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.41	23.12	23.11	24.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	23.44	23.22	23.44	24.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.36	23.14	23.04	24.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.38	23.04	23.20	24.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.23	/	24.00
		1	137	/	23.41	/	24.00
		1	271	/	23.48	/	24.00
	DFT-s-OFDM BPSK	135	0	/	23.66	/	24.00
		135	69	/	23.24	/	24.00
		135	138	/	23.36	/	24.00
	DFT-s-OFDM BPSK	270	0	/	23.54	/	24.00
		1	1	/	23.24	/	24.00
		1	137	/	23.35	/	24.00
	DFT-s-OFDM QPSK	1	271	/	23.50	/	24.00
		135	0	/	23.54	/	24.00
		135	69	/	23.31	/	24.00
	DFT-s-OFDM QPSK	135	138	/	23.50	/	24.00
		270	0	/	23.49	/	24.00
		1	1	/	23.62	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.21	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	21.02	/	22.00
CP-OFDM QPSK	1	1	/	23.57	/	24.00	
CP-OFDM 16QAM	1	1	/	23.12	/	24.00	
CP-OFDM 64QAM	1	1	/	22.10	/	23.00	
CP-OFDM 256QAM	1	1	/	18.79	/	20.00	

## N78-ANT11 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.59	18.71	18.75	19.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.55	18.67	18.53	19.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.59	18.71	18.75	19.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.55	18.67	18.53	19.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.57	18.53	18.60	19.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.68	18.76	18.67	19.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.66	18.73	18.67	19.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	18.68	18.65	18.76	19.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.55	18.73	18.62	19.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	18.66	18.67	18.50	19.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.52	/	19.00
		1	137	/	18.69	/	19.00
		1	271	/	18.58	/	19.00
	DFT-s-OFDM BPSK	135	0	/	18.18	/	19.00
		135	69	/	18.21	/	19.00
		135	138	/	18.14	/	19.00
	DFT-s-OFDM BPSK	270	0	/	18.38	/	19.00
		1	1	/	18.69	/	19.00
		1	137	/	18.51	/	19.00
	DFT-s-OFDM QPSK	1	271	/	18.24	/	19.00
		135	0	/	18.21	/	19.00
		135	69	/	18.42	/	19.00
	DFT-s-OFDM QPSK	135	138	/	18.47	/	19.00
		270	0	/	18.45	/	19.00
		1	1	/	18.62	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.63	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.63	/	19.00
DFT-s-OFDM 256QAM	1	1	/	18.71	/	19.00	
CP-OFDM QPSK	1	1	/	18.60	/	19.00	
CP-OFDM 16QAM	1	1	/	18.41	/	19.00	
CP-OFDM 64QAM	1	1	/	18.59	/	19.00	
CP-OFDM 256QAM	1	1	/	18.43	/	19.00	

## N78-ANT11 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	17.69	17.55	17.86	18.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	17.60	17.63	17.49	18.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	17.69	17.55	17.86	18.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	17.60	17.63	17.49	18.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	17.85	17.50	17.64	18.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	17.56	17.61	17.61	18.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	17.54	17.63	17.86	18.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	17.48	17.82	17.79	18.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	17.86	17.87	17.56	18.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	17.51	17.79	17.51	18.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	17.67	/	18.00
		1	137	/	17.40	/	18.00
		1	271	/	17.49	/	18.00
	DFT-s-OFDM BPSK	135	0	/	17.24	/	18.00
		135	69	/	17.69	/	18.00
		135	138	/	17.23	/	18.00
	DFT-s-OFDM BPSK	270	0	/	17.42	/	18.00
		1	1	/	17.67	/	18.00
		1	137	/	17.39	/	18.00
	DFT-s-OFDM QPSK	1	271	/	17.39	/	18.00
		135	0	/	17.52	/	18.00
		135	69	/	17.55	/	18.00
	DFT-s-OFDM QPSK	135	138	/	17.38	/	18.00
		270	0	/	17.37	/	18.00
		1	1	/	17.58	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	17.72	/	18.00
	DFT-s-OFDM 64QAM	1	1	/	17.72	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	17.51	/	18.00
CP-OFDM QPSK	1	1	/	17.66	/	18.00	
CP-OFDM 16QAM	1	1	/	17.28	/	18.00	
CP-OFDM 64QAM	1	1	/	17.72	/	18.00	
CP-OFDM 256QAM	1	1	/	17.37	/	18.00	

## 8.6.9 NR Band78 Output Power

## N78-ANT12 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	25.06	25.15	25.08	27.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	25.09	25.21	25.12	27.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	25.12	25.36	25.14	27.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	25.04	25.40	25.31	27.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.44	25.04	25.43	27.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	25.39	25.29	25.21	27.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	25.10	25.32	25.24	27.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	25.10	25.24	25.34	27.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	25.19	25.13	25.35	27.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	25.25	25.04	25.28	27.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	25.32	/	27.00
		1	137	/	25.08	/	27.00
		1	271	/	25.12	/	27.00
	DFT-s-OFDM BPSK	135	0	/	25.01	/	27.00
		135	69	/	25.36	/	27.00
		135	138	/	25.02	/	27.00
	DFT-s-OFDM BPSK	270	0	/	24.05	/	26.00
		1	1	/	25.24	/	27.00
	DFT-s-OFDM QPSK	1	137	/	25.12	/	27.00
		1	271	/	25.08	/	27.00
		135	0	/	25.03	/	27.00
	DFT-s-OFDM QPSK	135	69	/	25.27	/	27.00
		135	138	/	25.16	/	27.00
		270	0	/	24.13	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	24.07	/	26.00
	DFT-s-OFDM 64QAM	1	1	/	22.96	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	20.89	/	22.50
	CP-OFDM QPSK	1	1	/	23.73	/	25.50
CP-OFDM 16QAM	1	1	/	23.22	/	25.00	
CP-OFDM 64QAM	1	1	/	21.78	/	23.50	
CP-OFDM 256QAM	1	1	/	18.72	/	20.50	

## N78-ANT12 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	17.15	17.09	17.21	18.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	17.05	17.03	17.09	18.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	17.20	17.14	17.31	18.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	17.09	16.96	17.03	18.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	17.28	17.19	17.24	18.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	17.30	17.21	17.22	18.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	17.28	17.19	17.27	18.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	17.20	17.37	17.34	18.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	17.39	17.20	17.37	18.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	17.08	17.16	17.17	18.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	17.30	/	18.00
		1	137	/	16.93	/	18.00
		1	271	/	17.07	/	18.00
	DFT-s-OFDM BPSK	135	0	/	16.82	/	18.00
		135	69	/	16.75	/	18.00
		135	138	/	16.99	/	18.00
	DFT-s-OFDM BPSK	270	0	/	17.06	/	18.00
		1	1	/	17.16	/	18.00
		1	137	/	16.87	/	18.00
	DFT-s-OFDM QPSK	1	271	/	17.12	/	18.00
		135	0	/	16.82	/	18.00
		135	69	/	16.84	/	18.00
	DFT-s-OFDM QPSK	135	138	/	17.02	/	18.00
		270	0	/	17.21	/	18.00
		1	1	/	17.26	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	17.40	/	18.00
	DFT-s-OFDM 64QAM	1	1	/	17.12	/	18.00
	CP-OFDM QPSK	1	1	/	17.02	/	18.00
	CP-OFDM 16QAM	1	1	/	16.83	/	18.00
CP-OFDM 64QAM	1	1	/	17.36	/	18.00	
CP-OFDM 256QAM	1	1	/	17.03	/	18.00	

## N78-ANT12 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	23.52	23.51	23.48	24.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	23.56	23.51	23.42	24.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	23.59	23.58	23.54	24.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	23.73	23.55	23.49	24.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	23.73	23.42	23.42	24.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	23.38	23.45	23.43	24.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	23.54	23.51	23.50	24.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	23.70	23.70	23.58	24.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	23.39	23.57	23.62	24.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	23.61	23.61	23.70	24.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	23.65	/	24.50
		1	137	/	23.60	/	24.50
		1	271	/	23.45	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.27	/	24.50
		135	69	/	23.28	/	24.50
		135	138	/	23.36	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.93	/	24.50
		1	1	/	23.50	/	24.50
		1	137	/	23.49	/	24.50
	DFT-s-OFDM QPSK	1	271	/	23.48	/	24.50
		135	0	/	23.42	/	24.50
		135	69	/	23.37	/	24.50
	DFT-s-OFDM QPSK	135	138	/	23.40	/	24.50
		270	0	/	23.12	/	24.50
		1	1	/	23.24	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	22.80	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	22.80	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	20.63	/	22.50
	CP-OFDM QPSK	1	1	/	22.82	/	24.50
CP-OFDM 16QAM	1	1	/	22.63	/	24.50	
CP-OFDM 64QAM	1	1	/	21.66	/	23.50	
CP-OFDM 256QAM	1	1	/	18.77	/	20.50	



## N78-ANT12 DSI5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.84	21.94	21.84	23.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	22.06	21.96	21.85	23.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	22.14	21.97	22.18	23.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.10	22.02	22.01	23.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.86	21.93	21.86	23.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.84	22.05	22.03	23.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.19	22.02	21.84	23.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	22.16	21.90	21.99	23.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.11	21.86	21.99	23.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	21.95	21.87	22.21	23.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.96	/	23.00
		1	137	/	22.01	/	23.00
		1	271	/	22.21	/	23.00
	DFT-s-OFDM BPSK	135	0	/	21.84	/	23.00
		135	69	/	21.99	/	23.00
		135	138	/	22.11	/	23.00
	DFT-s-OFDM BPSK	270	0	/	21.70	/	23.00
		1	1	/	22.01	/	23.00
		1	137	/	22.05	/	23.00
	DFT-s-OFDM QPSK	1	271	/	22.10	/	23.00
		135	0	/	21.91	/	23.00
		135	69	/	22.03	/	23.00
	DFT-s-OFDM QPSK	135	138	/	22.04	/	23.00
		270	0	/	21.81	/	23.00
		1	1	/	22.37	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.01	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.56	/	22.50
CP-OFDM QPSK	1	1	/	22.12	/	23.00	
CP-OFDM 16QAM	1	1	/	21.72	/	23.00	
CP-OFDM 64QAM	1	1	/	21.68	/	23.00	
CP-OFDM 256QAM	1	1	/	18.92	/	20.50	

## 8.6.9 NR Band78 Output Power

## N78-ANT12 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.95	24.96	24.91	26.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	25.09	25.19	25.01	26.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.98	25.00	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	25.16	25.19	25.13	26.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	25.22	25.20	24.96	26.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	25.25	24.96	25.25	26.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.93	24.96	25.07	26.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	25.21	25.23	24.93	26.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.94	25.07	25.32	26.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	25.05	25.20	24.99	26.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	25.23	/	26.50
		1	137	/	25.12	/	26.50
		1	271	/	25.21	/	26.50
	DFT-s-OFDM BPSK	135	0	/	25.19	/	26.50
		135	69	/	25.24	/	26.50
		135	138	/	25.31	/	26.50
	DFT-s-OFDM BPSK	270	0	/	24.02	/	25.50
		1	1	/	25.12	/	26.50
		1	137	/	24.98	/	26.50
	DFT-s-OFDM QPSK	1	271	/	25.18	/	26.50
		135	0	/	25.31	/	26.50
		135	69	/	25.25	/	26.50
	DFT-s-OFDM QPSK	135	138	/	25.34	/	26.50
		270	0	/	23.98	/	25.50
		1	1	/	23.85	/	25.50
	DFT-s-OFDM 16QAM	1	1	/	22.50	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	21.03	/	22.00
	CP-OFDM QPSK	1	1	/	23.63	/	25.00
CP-OFDM 16QAM	1	1	/	22.94	/	24.50	
CP-OFDM 64QAM	1	1	/	22.13	/	23.00	
CP-OFDM 256QAM	1	1	/	18.69	/	20.00	

## N78-ANT12 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	15.29	15.41	15.38	16.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	15.43	15.08	15.23	16.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.29	15.46	15.30	16.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.48	15.14	15.40	16.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.42	15.27	15.23	16.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.46	15.46	15.17	16.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.16	15.28	15.15	16.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	15.37	15.22	15.40	16.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.39	15.18	15.14	16.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	15.51	15.15	15.42	16.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.42	/	16.00
		1	137	/	15.51	/	16.00
		1	271	/	15.38	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.27	/	16.00
		135	69	/	15.28	/	16.00
		135	138	/	15.60	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.33	/	16.00
		1	1	/	15.33	/	16.00
		1	137	/	15.24	/	16.00
	DFT-s-OFDM QPSK	1	271	/	15.49	/	16.00
		135	0	/	15.06	/	16.00
		135	69	/	15.41	/	16.00
	DFT-s-OFDM QPSK	135	138	/	15.52	/	16.00
		270	0	/	15.47	/	16.00
		1	1	/	15.30	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	15.42	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	15.42	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	15.15	/	16.00
	CP-OFDM QPSK	1	1	/	15.44	/	16.00
	CP-OFDM 16QAM	1	1	/	15.12	/	16.00
CP-OFDM 64QAM	1	1	/	15.42	/	16.00	
CP-OFDM 256QAM	1	1	/	15.35	/	16.00	

## N78-ANT12 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	24.58	24.61	24.62	25.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	24.58	24.48	24.45	25.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	24.62	24.66	24.59	25.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	24.69	24.55	24.52	25.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	24.69	24.47	24.49	25.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	24.40	24.46	24.48	25.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	24.53	24.58	24.47	25.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	24.72	24.67	24.53	25.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	24.36	24.64	24.69	25.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	24.65	24.62	24.75	25.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	24.68	/	25.00
		1	137	/	24.61	/	25.00
		1	271	/	24.53	/	25.00
	DFT-s-OFDM BPSK	135	0	/	24.28	/	25.00
		135	69	/	24.33	/	25.00
		135	138	/	24.34	/	25.00
	DFT-s-OFDM BPSK	270	0	/	23.99	/	25.00
		1	1	/	24.55	/	25.00
		1	137	/	24.46	/	25.00
	DFT-s-OFDM QPSK	1	271	/	24.46	/	25.00
		135	0	/	24.40	/	25.00
		135	69	/	24.36	/	25.00
	DFT-s-OFDM QPSK	135	138	/	24.35	/	25.00
		270	0	/	24.14	/	25.00
		1	1	/	24.28	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	22.78	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	20.57	/	22.00
	CP-OFDM QPSK	1	1	/	23.79	/	25.00
	CP-OFDM 16QAM	1	1	/	23.14	/	24.50
	CP-OFDM 64QAM	1	1	/	21.63	/	23.00
CP-OFDM 256QAM	1	1	/	18.80	/	20.00	

## N78-ANT12 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	19.21	19.15	19.10	20.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	19.25	19.21	19.24	20.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	19.29	19.30	19.20	20.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	19.30	19.33	19.31	20.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	19.28	19.34	19.23	20.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	19.22	19.20	19.22	20.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	19.28	19.21	19.39	20.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	19.25	19.38	19.20	20.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	19.24	19.49	19.45	20.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	19.29	19.16	19.55	20.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	19.23	/	20.00
		1	137	/	19.53	/	20.00
		1	271	/	19.55	/	20.00
	DFT-s-OFDM BPSK	135	0	/	19.50	/	20.00
		135	69	/	19.34	/	20.00
		135	138	/	19.26	/	20.00
	DFT-s-OFDM BPSK	270	0	/	19.42	/	20.00
		1	1	/	19.38	/	20.00
		1	137	/	19.53	/	20.00
	DFT-s-OFDM QPSK	1	271	/	19.55	/	20.00
		135	0	/	19.49	/	20.00
		135	69	/	19.46	/	20.00
	DFT-s-OFDM QPSK	135	138	/	19.25	/	20.00
		270	0	/	19.58	/	20.00
		1	1	/	19.60	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	19.72	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	19.72	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	19.52	/	20.00
	CP-OFDM QPSK	1	1	/	19.41	/	20.00
	CP-OFDM 16QAM	1	1	/	19.17	/	20.00
CP-OFDM 64QAM	1	1	/	19.36	/	20.00	
CP-OFDM 256QAM	1	1	/	18.75	/	20.00	

## 8.6.9 NR Band78 Output Power

## N78-ANT21 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	22.03	22.03	22.13	24.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	22.15	22.06	22.21	24.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	22.06	22.16	22.20	24.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	22.28	22.05	22.34	24.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	22.27	22.12	22.36	24.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	22.30	22.10	22.19	24.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	22.31	22.04	22.04	24.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	22.08	22.27	22.28	24.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.14	22.36	22.38	24.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	22.39	22.21	22.34	24.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.28	/	24.00
		1	137	/	22.10	/	24.00
		1	271	/	22.35	/	24.00
	DFT-s-OFDM BPSK	135	0	/	22.41	/	24.00
		135	69	/	22.65	/	24.00
		135	138	/	22.34	/	24.00
	DFT-s-OFDM BPSK	270	0	/	21.41	/	23.00
		1	1	/	22.20	/	24.00
	DFT-s-OFDM QPSK	1	137	/	22.24	/	24.00
		1	271	/	22.33	/	24.00
		135	0	/	22.28	/	24.00
	DFT-s-OFDM QPSK	135	69	/	22.54	/	24.00
		135	138	/	22.38	/	24.00
		270	0	/	21.53	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.52	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	19.85	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.08	/	19.50
CP-OFDM QPSK	1	1	/	21.02	/	22.50	
CP-OFDM 16QAM	1	1	/	20.19	/	22.00	
CP-OFDM 64QAM	1	1	/	19.15	/	20.50	
CP-OFDM 256QAM	1	1	/	15.85	/	17.50	

## N78-ANT21 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	15.82	15.80	15.75	16.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	15.63	15.58	15.62	16.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	15.85	15.92	15.78	16.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	15.73	15.72	15.56	16.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	15.89	15.91	15.77	16.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	15.83	15.49	15.73	16.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	15.61	15.85	15.71	16.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	15.91	15.87	15.71	16.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	15.83	15.85	15.89	16.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	15.62	15.74	15.57	16.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	15.87	/	16.50
		1	137	/	15.97	/	16.50
		1	271	/	15.78	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.85	/	16.50
		135	69	/	15.83	/	16.50
		135	138	/	15.86	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.75	/	16.50
		1	1	/	15.69	/	16.50
		1	137	/	15.79	/	16.50
	DFT-s-OFDM QPSK	1	271	/	15.63	/	16.50
		135	0	/	15.42	/	16.50
		135	69	/	15.39	/	16.50
	DFT-s-OFDM QPSK	135	138	/	15.46	/	16.50
		270	0	/	15.68	/	16.50
		1	1	/	15.63	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.63	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	15.77	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.58	/	16.50
	CP-OFDM QPSK	1	1	/	15.39	/	16.50
CP-OFDM 16QAM	1	1	/	15.26	/	16.50	
CP-OFDM 64QAM	1	1	/	15.66	/	16.50	
CP-OFDM 256QAM	1	1	/	15.47	/	16.50	

## N78-ANT21 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.93	21.85	21.96	22.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.95	21.91	21.82	22.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.84	21.87	22.01	22.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.97	21.94	21.83	22.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.69	21.98	21.89	22.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.94	21.93	21.82	22.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.95	21.68	21.84	22.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	21.99	22.02	21.72	22.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	21.90	21.66	22.03	22.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	21.90	21.71	21.89	22.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	22.01	/	22.50
		1	137	/	21.82	/	22.50
		1	271	/	21.72	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.29	/	22.50
		135	69	/	21.42	/	22.50
		135	138	/	21.55	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.54	/	22.50
		1	1	/	21.86	/	22.50
	DFT-s-OFDM QPSK	1	137	/	21.91	/	22.50
		1	271	/	21.80	/	22.50
		135	0	/	21.27	/	22.50
	DFT-s-OFDM QPSK	135	69	/	21.38	/	22.50
		135	138	/	21.48	/	22.50
		270	0	/	21.40	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.61	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	20.05	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	17.86	/	19.50
	CP-OFDM QPSK	1	1	/	20.70	/	22.50
	CP-OFDM 16QAM	1	1	/	20.08	/	22.00
	CP-OFDM 64QAM	1	1	/	19.27	/	20.50
CP-OFDM 256QAM	1	1	/	16.10	/	17.50	



## N78-ANT21 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	18.24	18.25	18.41	19.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	18.42	18.38	18.41	19.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	18.25	18.29	18.49	19.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	18.39	18.35	18.47	19.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	18.65	18.25	18.56	19.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	18.36	18.53	18.60	19.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	18.53	18.60	18.51	19.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	18.25	18.57	18.64	19.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	18.52	18.39	18.57	19.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	18.29	18.45	18.60	19.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	18.40	/	19.00
		1	137	/	18.43	/	19.00
		1	271	/	18.44	/	19.00
	DFT-s-OFDM BPSK	135	0	/	18.10	/	19.00
		135	69	/	17.72	/	19.00
		135	138	/	17.78	/	19.00
	DFT-s-OFDM BPSK	270	0	/	17.95	/	19.00
		1	1	/	18.45	/	19.00
		1	137	/	18.52	/	19.00
	DFT-s-OFDM QPSK	1	271	/	18.32	/	19.00
		135	0	/	17.97	/	19.00
		135	69	/	17.75	/	19.00
	DFT-s-OFDM QPSK	135	138	/	17.90	/	19.00
		270	0	/	17.80	/	19.00
		1	1	/	18.32	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.32	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.04	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	18.15	/	19.00
	CP-OFDM QPSK	1	1	/	18.19	/	19.00
CP-OFDM 16QAM	1	1	/	17.87	/	19.00	
CP-OFDM 64QAM	1	1	/	18.07	/	19.00	
CP-OFDM 256QAM	1	1	/	16.09	/	17.50	

## 8.6.9 NR Band78 Output Power

## N78-ANT23 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	21.75	21.68	21.85	23.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	21.78	21.85	21.93	23.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	21.77	21.72	22.00	23.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	21.93	21.92	21.97	23.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	21.82	21.74	21.75	23.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	21.75	21.73	21.93	23.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	21.79	21.87	21.98	23.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	22.08	22.02	21.91	23.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	22.04	21.79	21.84	23.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	21.75	22.01	21.78	23.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	21.78	/	23.50
		1	137	/	21.51	/	23.50
		1	271	/	21.73	/	23.50
	DFT-s-OFDM BPSK	135	0	/	21.71	/	23.50
		135	69	/	21.55	/	23.50
		135	138	/	21.63	/	23.50
	DFT-s-OFDM BPSK	270	0	/	20.87	/	22.50
		1	1	/	21.88	/	23.50
	DFT-s-OFDM QPSK	1	137	/	21.65	/	23.50
		1	271	/	21.81	/	23.50
		135	0	/	21.66	/	23.50
	DFT-s-OFDM QPSK	135	69	/	21.66	/	23.50
		135	138	/	21.70	/	23.50
		270	0	/	20.88	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	20.68	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	19.43	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	18.01	/	19.00
CP-OFDM QPSK	1	1	/	20.36	/	22.00	
CP-OFDM 16QAM	1	1	/	19.53	/	21.50	
CP-OFDM 64QAM	1	1	/	19.16	/	20.00	
CP-OFDM 256QAM	1	1	/	15.98	/	17.00	

## N78-ANT23 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	14.52	14.41	14.53	15.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	14.56	14.46	14.52	15.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	14.55	14.44	14.70	15.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	14.90	14.81	14.57	15.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	14.54	14.63	14.73	15.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	14.77	14.71	14.89	15.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	14.86	14.53	14.71	15.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	14.49	14.66	14.73	15.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	14.75	14.59	14.57	15.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	14.46	14.65	14.76	15.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	14.58	/	15.50
		1	137	/	14.56	/	15.50
		1	271	/	14.65	/	15.50
	DFT-s-OFDM BPSK	135	0	/	14.54	/	15.50
		135	69	/	14.46	/	15.50
		135	138	/	14.53	/	15.50
	DFT-s-OFDM BPSK	270	0	/	14.57	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.70	/	15.50
		1	137	/	14.51	/	15.50
		1	271	/	14.62	/	15.50
	DFT-s-OFDM QPSK	135	0	/	14.47	/	15.50
		135	69	/	14.42	/	15.50
		135	138	/	14.65	/	15.50
	DFT-s-OFDM QPSK	270	0	/	14.50	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.71	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	14.65	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	14.74	/	15.50
	CP-OFDM QPSK	1	1	/	14.78	/	15.50
CP-OFDM 16QAM	1	1	/	14.42	/	15.50	
CP-OFDM 64QAM	1	1	/	14.66	/	15.50	
CP-OFDM 256QAM	1	1	/	14.57	/	15.50	

## N78-ANT23 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	20.08	20.10	20.03	21.00
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	20.31	20.28	20.14	21.00
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	20.13	20.25	20.43	21.00
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	20.36	20.40	20.29	21.00
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	20.28	20.41	20.27	21.00
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	20.32	20.39	20.31	21.00
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	20.30	20.33	20.38	21.00
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	20.32	20.27	20.23	21.00
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	20.32	20.11	20.42	21.00
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	20.10	20.05	20.05	21.00
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	20.20	/	21.00
		1	137	/	20.18	/	21.00
		1	271	/	20.21	/	21.00
	DFT-s-OFDM BPSK	135	0	/	20.31	/	21.00
		135	69	/	20.02	/	21.00
		135	138	/	20.00	/	21.00
	DFT-s-OFDM BPSK	270	0	/	20.15	/	21.00
		1	1	/	20.25	/	21.00
		1	137	/	20.20	/	21.00
	DFT-s-OFDM QPSK	1	271	/	20.19	/	21.00
		135	0	/	20.26	/	21.00
		135	69	/	20.07	/	21.00
	DFT-s-OFDM QPSK	135	138	/	20.11	/	21.00
		270	0	/	20.02	/	21.00
		1	1	/	20.21	/	21.00
	DFT-s-OFDM 16QAM	1	1	/	20.21	/	21.00
	DFT-s-OFDM 64QAM	1	1	/	19.26	/	21.00
DFT-s-OFDM 256QAM	1	1	/	17.82	/	19.00	
CP-OFDM QPSK	1	1	/	20.15	/	21.00	
CP-OFDM 16QAM	1	1	/	19.37	/	21.00	
CP-OFDM 64QAM	1	1	/	19.24	/	20.00	
CP-OFDM 256QAM	1	1	/	16.01	/	17.00	

## N78-ANT23 DSI8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		630334	633334	636332	Tune-up power(dB)
		RB Size	RB offset	3455.01	3500.01	3544.98	
10	DFT-s-OFDM BPSK	1	1	17.45	17.52	17.45	18.50
Bandwidth (MHz)	Modulation	Channel		630500	633334	636166	Tune-up power(dB)
		RB Size	RB offset	3457.5	3500.01	3542.49	
15	DFT-s-OFDM BPSK	1	1	17.91	17.74	17.54	18.50
Bandwidth (MHz)	Modulation	Channel		630668	633334	636000	Tune-up power(dB)
		RB Size	RB offset	3460.02	3500.01	3540	
20	DFT-s-OFDM BPSK	1	1	17.80	17.80	17.72	18.50
Bandwidth (MHz)	Modulation	Channel		631000	633334	635666	Tune-up power(dB)
		RB Size	RB offset	3465	3500.01	3534.99	
30	DFT-s-OFDM BPSK	1	1	17.93	17.73	17.83	18.50
Bandwidth (MHz)	Modulation	Channel		631334	633334	635332	Tune-up power(dB)
		RB Size	RB offset	3470.01	3500.01	3529.98	
40	DFT-s-OFDM BPSK	1	1	17.67	17.87	17.78	18.50
Bandwidth (MHz)	Modulation	Channel		631668	633334	635000	Tune-up power(dB)
		RB Size	RB offset	3475.02	3500.01	3525	
50	DFT-s-OFDM BPSK	1	1	17.81	17.65	17.56	18.50
Bandwidth (MHz)	Modulation	Channel		632000	633334	634666	Tune-up power(dB)
		RB Size	RB offset	3480	3500.01	3519.99	
60	DFT-s-OFDM BPSK	1	1	17.78	17.86	17.63	18.50
Bandwidth (MHz)	Modulation	Channel		632334	633334	634332	Tune-up power(dB)
		RB Size	RB offset	3485.01	3500.01	3514.98	
70	DFT-s-OFDM BPSK	1	1	17.72	17.53	17.68	18.50
Bandwidth (MHz)	Modulation	Channel		632668	633334	634000	Tune-up power(dB)
		RB Size	RB offset	3490.02	3500.01	3510	
80	DFT-s-OFDM BPSK	1	1	17.62	17.89	17.65	18.50
Bandwidth (MHz)	Modulation	Channel		633000	633334	633666	Tune-up power(dB)
		RB Size	RB offset	3495	3500.01	3504.99	
90	DFT-s-OFDM BPSK	1	1	17.61	17.83	17.63	18.50
Bandwidth (MHz)	Modulation	Channel		/	633334	/	Tune-up power(dB)
		RB Size	RB offset	/	3500.01	/	
100	DFT-s-OFDM BPSK	1	1	/	17.74	/	18.50
		1	137	/	17.70	/	18.50
		1	271	/	17.34	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.41	/	18.50
		135	69	/	17.80	/	18.50
		135	138	/	17.67	/	18.50
	DFT-s-OFDM BPSK	270	0	/	17.53	/	18.50
		1	1	/	17.73	/	18.50
	DFT-s-OFDM QPSK	1	137	/	17.82	/	18.50
		1	271	/	17.45	/	18.50
		135	0	/	17.51	/	18.50
	DFT-s-OFDM QPSK	135	69	/	17.79	/	18.50
		135	138	/	17.60	/	18.50
		270	0	/	17.51	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	17.87	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	17.79	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.51	/	18.50
	CP-OFDM QPSK	1	1	/	17.58	/	18.50
CP-OFDM 16QAM	1	1	/	17.17	/	18.50	
CP-OFDM 64QAM	1	1	/	17.72	/	18.50	
CP-OFDM 256QAM	1	1	/	16.13	/	17.00	

## 8.6.9 NR Band78 Output Power

## N78-ANT11 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	24.92	24.91	24.85	26.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	25.09	25.19	25.18	26.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	25.03	24.95	24.99	26.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	24.98	25.21	25.19	26.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	25.12	25.12	24.90	26.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	24.96	25.18	25.16	26.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.87	25.07	25.10	26.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	24.95	25.21	25.09	26.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.23	25.22	25.22	26.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	25.24	24.96	25.10	26.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	25.10	/	26.50
		1	137	/	25.39	/	26.50
		1	271	/	25.08	/	26.50
	DFT-s-OFDM BPSK	135	0	/	25.32	/	26.50
		135	69	/	25.39	/	26.50
		135	138	/	25.31	/	26.50
	DFT-s-OFDM BPSK	270	0	/	24.29	/	25.50
		1	1	/	25.04	/	26.50
		DFT-s-OFDM QPSK	1	137	/	25.37	/
	1		271	/	25.18	/	26.50
	135		0	/	25.34	/	26.50
	DFT-s-OFDM QPSK	135	69	/	25.26	/	26.50
		135	138	/	25.21	/	26.50
		270	0	/	24.33	/	25.50
	DFT-s-OFDM 16QAM	1	1	/	23.94	/	25.50
	DFT-s-OFDM 64QAM	1	1	/	22.74	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.01	/	22.00
	CP-OFDM QPSK	1	1	/	23.52	/	25.00
	CP-OFDM 16QAM	1	1	/	22.71	/	24.50
CP-OFDM 64QAM	1	1	/	22.04	/	23.00	
CP-OFDM 256QAM	1	1	/	18.80	/	20.00	

## N78-ANT11 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	17.79	17.83	17.86	18.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	18.02	17.96	17.89	18.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	17.82	17.82	18.04	18.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	18.06	18.07	17.91	18.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	18.19	17.80	18.03	18.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	17.92	18.19	17.83	18.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.12	17.94	17.95	18.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	17.84	17.99	18.17	18.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	17.96	17.85	18.16	18.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	17.91	17.85	18.13	18.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	17.87	/	18.50
		1	137	/	18.17	/	18.50
		1	271	/	18.00	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.98	/	18.50
		135	69	/	18.19	/	18.50
		135	138	/	17.84	/	18.50
	DFT-s-OFDM BPSK	270	0	/	18.07	/	18.50
		1	1	/	18.00	/	18.50
		1	137	/	18.09	/	18.50
	DFT-s-OFDM QPSK	1	271	/	17.96	/	18.50
		135	0	/	18.03	/	18.50
		135	69	/	18.08	/	18.50
	DFT-s-OFDM QPSK	135	138	/	17.99	/	18.50
		270	0	/	18.08	/	18.50
		270	0	/	18.08	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	18.08	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	18.25	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	18.00	/	18.50
	CP-OFDM QPSK	1	1	/	17.80	/	18.50
	CP-OFDM 16QAM	1	1	/	17.77	/	18.50
CP-OFDM 64QAM	1	1	/	18.04	/	18.50	
CP-OFDM 256QAM	1	1	/	17.77	/	18.50	

## N78-ANT11 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	23.42	23.32	23.51	24.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	23.21	23.35	23.34	24.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	23.51	23.38	23.58	24.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	23.24	23.44	23.47	24.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	23.30	23.30	23.40	24.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.43	23.47	23.41	24.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.40	23.55	23.21	24.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.54	23.57	23.51	24.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.50	23.48	23.33	24.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.47	23.38	23.49	24.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	23.23	/	24.00
		1	137	/	23.39	/	24.00
		1	271	/	23.34	/	24.00
	DFT-s-OFDM BPSK	135	0	/	23.51	/	24.00
		135	69	/	23.59	/	24.00
		135	138	/	23.45	/	24.00
	DFT-s-OFDM BPSK	270	0	/	23.42	/	24.00
		1	1	/	23.38	/	24.00
	DFT-s-OFDM QPSK	1	137	/	23.51	/	24.00
		1	271	/	23.47	/	24.00
		135	0	/	23.37	/	24.00
	DFT-s-OFDM QPSK	135	69	/	23.46	/	24.00
		135	138	/	23.52	/	24.00
		270	0	/	23.30	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.68	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	23.10	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.07	/	22.00
	CP-OFDM QPSK	1	1	/	23.22	/	24.00
	CP-OFDM 16QAM	1	1	/	22.94	/	24.00
	CP-OFDM 64QAM	1	1	/	21.87	/	23.00
CP-OFDM 256QAM	1	1	/	18.94	/	20.00	



## N78-ANT11 DSI5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	19.52	19.54	19.43	20.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	19.35	19.31	19.42	20.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	19.55	19.57	19.46	20.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	19.58	19.36	19.40	20.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	19.46	19.57	19.77	20.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	19.61	19.48	19.64	20.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	19.59	19.32	19.44	20.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	19.63	19.51	19.61	20.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	19.55	19.73	19.37	20.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	19.45	19.60	19.63	20.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	19.40	/	20.00
		1	137	/	19.58	/	20.00
		1	271	/	19.32	/	20.00
	DFT-s-OFDM BPSK	135	0	/	19.34	/	20.00
		135	69	/	19.24	/	20.00
		135	138	/	19.21	/	20.00
	DFT-s-OFDM BPSK	270	0	/	19.24	/	20.00
		1	1	/	19.51	/	20.00
	DFT-s-OFDM QPSK	1	137	/	19.47	/	20.00
		1	271	/	19.39	/	20.00
		135	0	/	19.48	/	20.00
	DFT-s-OFDM QPSK	135	69	/	19.42	/	20.00
		135	138	/	19.20	/	20.00
		270	0	/	19.43	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	19.59	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	19.58	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	19.52	/	20.00
	CP-OFDM QPSK	1	1	/	19.39	/	20.00
	CP-OFDM 16QAM	1	1	/	19.20	/	20.00
	CP-OFDM 64QAM	1	1	/	19.55	/	20.00
CP-OFDM 256QAM	1	1	/	18.89	/	20.00	

## 8.6.9 NR Band78 Output Power

## N78-ANT11 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	24.92	24.91	24.85	26.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	25.09	25.19	25.18	26.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	25.03	24.95	24.99	26.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	24.98	25.21	25.19	26.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	25.12	25.12	24.90	26.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	24.96	25.18	25.16	26.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	24.87	25.07	25.10	26.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	24.95	25.21	25.09	26.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.23	25.22	25.22	26.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	25.24	24.96	25.10	26.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	25.10	/	26.50
		1	137	/	25.39	/	26.50
		1	271	/	25.08	/	26.50
	DFT-s-OFDM BPSK	135	0	/	25.32	/	26.50
		135	69	/	25.39	/	26.50
		135	138	/	25.31	/	26.50
	DFT-s-OFDM BPSK	270	0	/	24.29	/	25.50
		1	1	/	25.04	/	26.50
	DFT-s-OFDM QPSK	1	137	/	25.37	/	26.50
		1	271	/	25.18	/	26.50
		135	0	/	25.34	/	26.50
	DFT-s-OFDM QPSK	135	69	/	25.26	/	26.50
		135	138	/	25.21	/	26.50
		270	0	/	24.33	/	25.50
	DFT-s-OFDM 16QAM	1	1	/	23.94	/	25.50
	DFT-s-OFDM 64QAM	1	1	/	22.74	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.01	/	22.00
	CP-OFDM QPSK	1	1	/	23.52	/	25.00
	CP-OFDM 16QAM	1	1	/	22.71	/	24.50
	CP-OFDM 64QAM	1	1	/	22.04	/	23.00
CP-OFDM 256QAM	1	1	/	18.80	/	20.00	

## N78-ANT11 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	15.36	15.28	15.48	16.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	15.42	15.32	15.36	16.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	15.39	15.25	15.58	16.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	15.54	15.33	15.48	16.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	15.49	15.41	15.27	16.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	15.23	15.40	15.25	16.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.19	15.32	15.37	16.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	15.58	15.44	15.44	16.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.52	15.26	15.48	16.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	15.42	15.38	15.54	16.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	15.60	/	16.00
		1	137	/	15.52	/	16.00
		1	271	/	15.60	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.67	/	16.00
		135	69	/	15.58	/	16.00
		135	138	/	15.54	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.36	/	16.00
		1	1	/	15.39	/	16.00
		1	137	/	15.33	/	16.00
	DFT-s-OFDM QPSK	1	271	/	15.57	/	16.00
		135	0	/	15.63	/	16.00
		135	69	/	15.83	/	16.00
	DFT-s-OFDM QPSK	135	138	/	15.19	/	16.00
		270	0	/	15.51	/	16.00
		1	1	/	15.61	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	15.61	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	15.52	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	15.60	/	16.00
	CP-OFDM QPSK	1	1	/	15.45	/	16.00
	CP-OFDM 16QAM	1	1	/	15.28	/	16.00
CP-OFDM 64QAM	1	1	/	15.59	/	16.00	
CP-OFDM 256QAM	1	1	/	15.48	/	16.00	

## N78-ANT11 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	23.42	23.32	23.51	24.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	23.21	23.35	23.34	24.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	23.51	23.38	23.58	24.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	23.24	23.44	23.47	24.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	23.30	23.30	23.40	24.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.43	23.47	23.41	24.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.40	23.55	23.21	24.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.54	23.57	23.51	24.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.50	23.48	23.33	24.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.47	23.38	23.49	24.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	23.23	/	24.00
		1	137	/	23.39	/	24.00
		1	271	/	23.34	/	24.00
	DFT-s-OFDM BPSK	135	0	/	23.51	/	24.00
		135	69	/	23.59	/	24.00
		135	138	/	23.45	/	24.00
	DFT-s-OFDM BPSK	270	0	/	23.42	/	24.00
		1	1	/	23.38	/	24.00
	DFT-s-OFDM QPSK	1	137	/	23.51	/	24.00
		1	271	/	23.47	/	24.00
		135	0	/	23.37	/	24.00
	DFT-s-OFDM QPSK	135	69	/	23.46	/	24.00
		135	138	/	23.52	/	24.00
		270	0	/	23.30	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.68	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	23.10	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.07	/	22.00
	CP-OFDM QPSK	1	1	/	23.22	/	24.00
	CP-OFDM 16QAM	1	1	/	22.94	/	24.00
	CP-OFDM 64QAM	1	1	/	21.87	/	23.00
CP-OFDM 256QAM	1	1	/	18.94	/	20.00	

## N78-ANT11 DSI5(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	18.41	18.35	18.58	19.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	18.53	18.45	18.48	19.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	18.46	18.33	18.68	19.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	18.68	18.47	18.51	19.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	18.39	18.53	18.28	19.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	18.49	18.34	18.66	19.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.67	18.61	18.49	19.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	18.30	18.50	18.34	19.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.53	18.36	18.50	19.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	18.51	18.45	18.62	19.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	18.56	/	19.00
		1	137	/	18.18	/	19.00
		1	271	/	18.46	/	19.00
	DFT-s-OFDM BPSK	135	0	/	18.16	/	19.00
		135	69	/	18.18	/	19.00
		135	138	/	18.55	/	19.00
	DFT-s-OFDM BPSK	270	0	/	18.44	/	19.00
		1	1	/	18.48	/	19.00
		1	137	/	18.09	/	19.00
	DFT-s-OFDM QPSK	1	271	/	18.54	/	19.00
		135	0	/	18.21	/	19.00
		135	69	/	18.08	/	19.00
	DFT-s-OFDM QPSK	135	138	/	18.51	/	19.00
		270	0	/	18.44	/	19.00
		1	1	/	18.66	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.66	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.54	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	18.70	/	19.00
	CP-OFDM QPSK	1	1	/	18.38	/	19.00
	CP-OFDM 16QAM	1	1	/	18.31	/	19.00
CP-OFDM 64QAM	1	1	/	18.71	/	19.00	
CP-OFDM 256QAM	1	1	/	18.51	/	19.00	

## N78-ANT11 DSI8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	17.15	17.09	17.21	18.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	17.05	17.03	17.09	18.00
Bandwidth (MHz)	Modulation	Channel		647334	656000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3840	3789.99	
20	DFT-s-OFDM BPSK	1	1	17.48	17.27	17.21	18.00
Bandwidth (MHz)	Modulation	Channel		647668	656000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3840	3875	
30	DFT-s-OFDM BPSK	1	1	17.33	17.47	17.26	18.00
Bandwidth (MHz)	Modulation	Channel		648000	656000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3840	3960	
40	DFT-s-OFDM BPSK	1	1	17.14	17.47	17.40	18.00
Bandwidth (MHz)	Modulation	Channel		648334	656000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3840	3954.99	
50	DFT-s-OFDM BPSK	1	1	17.33	17.36	17.11	18.00
Bandwidth (MHz)	Modulation	Channel		648668	656000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3840	3949.98	
60	DFT-s-OFDM BPSK	1	1	17.32	17.32	17.25	18.00
Bandwidth (MHz)	Modulation	Channel		649000	656000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3840	3944.99	
70	DFT-s-OFDM BPSK	1	1	17.28	17.13	17.36	18.00
Bandwidth (MHz)	Modulation	Channel		649334	656000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3840	3939.99	
80	DFT-s-OFDM BPSK	1	1	17.27	17.30	17.18	18.00
Bandwidth (MHz)	Modulation	Channel		649668	656000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3840	3934.98	
90	DFT-s-OFDM BPSK	1	1	17.28	17.26	17.10	18.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	17.59	/	18.00
		1	137	/	17.32	/	18.00
		1	271	/	17.84	/	18.00
	DFT-s-OFDM BPSK	135	0	/	17.60	/	18.00
		135	69	/	17.36	/	18.00
		135	138	/	17.39	/	18.00
	DFT-s-OFDM BPSK	270	0	/	17.35	/	18.00
		1	1	/	17.30	/	18.00
		1	137	/	17.14	/	18.00
	DFT-s-OFDM QPSK	1	271	/	17.60	/	18.00
		135	0	/	17.65	/	18.00
		135	69	/	17.59	/	18.00
	DFT-s-OFDM QPSK	135	138	/	17.60	/	18.00
		270	0	/	17.49	/	18.00
		1	1	/	17.61	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	17.78	/	18.00
	DFT-s-OFDM 64QAM	1	1	/	17.78	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	17.52	/	18.00
	CP-OFDM QPSK	1	1	/	17.50	/	18.00
	CP-OFDM 16QAM	1	1	/	17.10	/	18.00
CP-OFDM 64QAM	1	1	/	17.32	/	18.00	
CP-OFDM 256QAM	1	1	/	17.65	/	18.00	

## 8.6.9 NR Band78 Output Power

## N78-ANT12 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	25.12	25.36	25.15	27.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	25.21	25.35	25.36	27.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	25.31	25.46	25.26	27.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	25.10	25.44	25.20	27.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	25.28	25.14	25.31	27.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	25.20	25.14	25.22	27.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	25.08	25.28	25.24	27.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	25.22	25.44	25.17	27.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.38	25.32	25.24	27.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	25.33	25.36	25.17	27.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	25.24	/	27.00
		1	137	/	25.28	/	27.00
		1	271	/	25.44	/	27.00
	DFT-s-OFDM BPSK	135	0	/	25.40	/	27.00
		135	69	/	25.20	/	27.00
		135	138	/	25.34	/	27.00
	DFT-s-OFDM BPSK	270	0	/	24.56	/	26.00
		1	1	/	25.27	/	27.00
	DFT-s-OFDM QPSK	1	137	/	25.37	/	27.00
		1	271	/	25.34	/	27.00
		135	0	/	25.35	/	27.00
	DFT-s-OFDM QPSK	135	69	/	25.26	/	27.00
		135	138	/	25.42	/	27.00
		270	0	/	24.56	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	24.50	/	26.00
	DFT-s-OFDM 64QAM	1	1	/	22.82	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	20.98	/	22.50
	CP-OFDM QPSK	1	1	/	24.06	/	25.50
CP-OFDM 16QAM	1	1	/	23.50	/	25.00	
CP-OFDM 64QAM	1	1	/	22.07	/	23.50	
CP-OFDM 256QAM	1	1	/	18.92	/	20.50	

## N78-ANT12 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	16.68	16.71	16.75	18.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	16.73	16.75	16.79	18.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	16.65	16.64	16.83	18.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	16.77	16.88	16.88	18.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	16.96	16.85	16.84	18.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	17.03	16.59	16.83	18.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	16.81	16.72	16.84	18.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	16.75	16.73	17.00	18.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	16.72	16.98	16.84	18.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	16.61	16.71	16.84	18.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	16.80	/	18.00
		1	137	/	17.09	/	18.00
		1	271	/	16.96	/	18.00
	DFT-s-OFDM BPSK	135	0	/	16.89	/	18.00
		135	69	/	17.00	/	18.00
		135	138	/	17.10	/	18.00
	DFT-s-OFDM BPSK	270	0	/	16.92	/	18.00
		1	1	/	16.78	/	18.00
	DFT-s-OFDM QPSK	1	137	/	16.81	/	18.00
		1	271	/	16.92	/	18.00
		135	0	/	16.93	/	18.00
	DFT-s-OFDM QPSK	135	69	/	17.08	/	18.00
		135	138	/	16.98	/	18.00
		270	0	/	17.08	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	17.21	/	18.00
	DFT-s-OFDM 64QAM	1	1	/	17.20	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	17.13	/	18.00
	CP-OFDM QPSK	1	1	/	16.97	/	18.00
CP-OFDM 16QAM	1	1	/	16.92	/	18.00	
CP-OFDM 64QAM	1	1	/	17.29	/	18.00	
CP-OFDM 256QAM	1	1	/	17.10	/	18.00	



## N78-ANT12 DSI4(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	23.39	23.58	23.51	24.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	23.62	23.48	23.53	24.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	23.33	23.66	23.49	24.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	23.71	23.42	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	23.57	23.39	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.64	23.68	23.70	24.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.36	23.35	23.54	24.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.56	23.56	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.66	23.33	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.57	23.37	23.59	24.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	23.65	/	24.50
		1	137	/	23.27	/	24.50
		1	271	/	23.55	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.35	/	24.50
		135	69	/	23.38	/	24.50
		135	138	/	23.64	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.75	/	24.50
		1	1	/	23.46	/	24.50
	DFT-s-OFDM QPSK	1	137	/	23.50	/	24.50
		1	271	/	23.60	/	24.50
		135	0	/	23.43	/	24.50
	DFT-s-OFDM QPSK	135	69	/	23.43	/	24.50
		135	138	/	23.59	/	24.50
		270	0	/	22.93	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	23.20	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	22.78	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	20.56	/	22.50
	CP-OFDM QPSK	1	1	/	22.63	/	24.50
	CP-OFDM 16QAM	1	1	/	22.77	/	24.50
	CP-OFDM 64QAM	1	1	/	21.82	/	23.50
CP-OFDM 256QAM	1	1	/	18.66	/	20.50	

## N78-ANT12 DSI5&amp;8&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	22.29	22.30	22.24	23.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	22.19	22.45	22.41	23.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	22.32	22.26	22.16	23.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	22.13	22.37	22.38	23.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	22.21	22.23	22.22	23.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.11	22.08	22.28	23.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.39	22.35	22.37	23.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	22.20	22.24	22.20	23.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	22.33	22.17	22.06	23.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.27	22.02	22.30	23.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	22.26	/	23.00
		1	137	/	21.95	/	23.00
		1	271	/	22.00	/	23.00
	DFT-s-OFDM BPSK	135	0	/	21.80	/	23.00
		135	69	/	22.12	/	23.00
		135	138	/	21.81	/	23.00
	DFT-s-OFDM BPSK	270	0	/	22.17	/	23.00
		1	1	/	22.19	/	23.00
	DFT-s-OFDM QPSK	1	137	/	21.92	/	23.00
		1	271	/	22.13	/	23.00
		135	0	/	21.95	/	23.00
	DFT-s-OFDM QPSK	135	69	/	22.14	/	23.00
		135	138	/	21.94	/	23.00
		270	0	/	22.14	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	22.17	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	22.26	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.87	/	22.50
	CP-OFDM QPSK	1	1	/	22.22	/	23.00
	CP-OFDM 16QAM	1	1	/	21.91	/	23.00
CP-OFDM 64QAM	1	1	/	21.56	/	23.00	
CP-OFDM 256QAM	1	1	/	18.63	/	20.50	

## 8.6.9 NR Band78 Output Power

## N78-ANT12 Full power(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	25.29	25.35	25.28	26.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	25.13	25.28	25.18	26.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	25.31	25.46	25.26	26.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	25.10	25.44	25.20	26.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	25.28	25.14	25.31	26.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	25.20	25.14	25.22	26.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	25.08	25.28	25.24	26.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	25.22	25.44	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	25.38	25.32	25.24	26.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	25.33	25.36	25.17	26.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	25.24	/	26.50
		1	137	/	25.28	/	26.50
		1	271	/	25.44	/	26.50
	DFT-s-OFDM BPSK	135	0	/	25.40	/	26.50
		135	69	/	25.20	/	26.50
		135	138	/	25.34	/	26.50
	DFT-s-OFDM BPSK	270	0	/	24.56	/	25.50
		1	1	/	25.27	/	26.50
	DFT-s-OFDM QPSK	1	137	/	25.37	/	26.50
		1	271	/	25.34	/	26.50
		135	0	/	25.35	/	26.50
	DFT-s-OFDM QPSK	135	69	/	25.26	/	26.50
		135	138	/	25.42	/	26.50
		270	0	/	24.56	/	25.50
	DFT-s-OFDM 16QAM	1	1	/	24.50	/	25.50
	DFT-s-OFDM 64QAM	1	1	/	22.82	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	20.98	/	22.00
	CP-OFDM QPSK	1	1	/	24.06	/	25.00
	CP-OFDM 16QAM	1	1	/	23.50	/	24.50
	CP-OFDM 64QAM	1	1	/	22.07	/	23.00
CP-OFDM 256QAM	1	1	/	18.92	/	20.00	

## N78-ANT12 DSI2&amp;3(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	15.31	15.39	15.42	16.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	15.21	15.25	15.40	16.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	15.34	15.47	15.51	16.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	15.18	15.18	15.44	16.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	15.31	15.29	15.21	16.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	15.27	15.38	15.34	16.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.43	15.52	15.31	16.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	15.27	15.40	15.53	16.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.45	15.45	15.41	16.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	15.37	15.41	15.42	16.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	15.22	/	16.00
		1	137	/	15.19	/	16.00
		1	271	/	14.99	/	16.00
	DFT-s-OFDM BPSK	135	0	/	15.11	/	16.00
		135	69	/	15.28	/	16.00
		135	138	/	15.12	/	16.00
	DFT-s-OFDM BPSK	270	0	/	15.45	/	16.00
		1	1	/	15.36	/	16.00
	DFT-s-OFDM QPSK	1	137	/	15.28	/	16.00
		1	271	/	15.33	/	16.00
		135	0	/	14.99	/	16.00
	DFT-s-OFDM QPSK	135	69	/	15.28	/	16.00
		135	138	/	15.37	/	16.00
		270	0	/	15.16	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	15.30	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	14.95	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	15.03	/	16.00
	CP-OFDM QPSK	1	1	/	15.33	/	16.00
	CP-OFDM 16QAM	1	1	/	15.45	/	16.00
	CP-OFDM 64QAM	1	1	/	15.33	/	16.00
CP-OFDM 256QAM	1	1	/	15.00	/	16.00	

## N78-ANT12 DSI4(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	23.39	23.58	23.51	24.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	23.62	23.48	23.53	24.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	23.33	23.66	23.49	24.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	23.71	23.42	23.52	24.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	23.57	23.39	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	23.64	23.68	23.70	24.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	23.36	23.35	23.54	24.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	23.56	23.56	23.39	24.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	23.66	23.33	23.46	24.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	23.57	23.37	23.59	24.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	23.65	/	24.50
		1	137	/	23.27	/	24.50
		1	271	/	23.55	/	24.50
	DFT-s-OFDM BPSK	135	0	/	23.35	/	24.50
		135	69	/	23.38	/	24.50
		135	138	/	23.64	/	24.50
	DFT-s-OFDM BPSK	270	0	/	22.75	/	24.50
		1	1	/	23.46	/	24.50
		1	137	/	23.50	/	24.50
	DFT-s-OFDM QPSK	1	271	/	23.60	/	24.50
		135	0	/	23.43	/	24.50
		135	69	/	23.43	/	24.50
	DFT-s-OFDM QPSK	135	138	/	23.59	/	24.50
		270	0	/	22.93	/	24.50
		1	1	/	23.20	/	24.50
	DFT-s-OFDM 16QAM	1	1	/	22.78	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	22.78	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	20.56	/	22.50
	CP-OFDM QPSK	1	1	/	22.63	/	24.50
	CP-OFDM 16QAM	1	1	/	22.77	/	24.50
CP-OFDM 64QAM	1	1	/	21.82	/	23.50	
CP-OFDM 256QAM	1	1	/	18.66	/	20.50	

## N78-ANT12 DSI5&amp;8&amp;9&amp;10(Only for NSA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	18.83	18.86	18.75	20.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	19.15	19.05	19.03	20.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	18.98	18.94	18.77	20.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	19.11	18.97	18.89	20.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	18.73	18.79	18.75	20.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	19.10	18.88	19.06	20.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.98	19.13	18.98	20.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	18.91	19.11	18.77	20.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.91	19.10	18.86	20.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	18.96	19.01	18.89	20.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	19.18	/	20.00
		1	137	/	18.79	/	20.00
		1	271	/	18.92	/	20.00
	DFT-s-OFDM BPSK	135	0	/	19.22	/	20.00
		135	69	/	19.04	/	20.00
		135	138	/	19.31	/	20.00
	DFT-s-OFDM BPSK	270	0	/	18.63	/	20.00
		1	1	/	18.93	/	20.00
		1	137	/	18.76	/	20.00
	DFT-s-OFDM QPSK	1	271	/	18.78	/	20.00
		135	0	/	19.20	/	20.00
		135	69	/	19.03	/	20.00
	DFT-s-OFDM QPSK	135	138	/	19.30	/	20.00
		270	0	/	18.83	/	20.00
		1	1	/	19.20	/	20.00
	DFT-s-OFDM 16QAM	1	1	/	19.01	/	20.00
	DFT-s-OFDM 64QAM	1	1	/	19.01	/	20.00
	DFT-s-OFDM 256QAM	1	1	/	19.20	/	20.00
	CP-OFDM QPSK	1	1	/	19.37	/	20.00
	CP-OFDM 16QAM	1	1	/	19.10	/	20.00
CP-OFDM 64QAM	1	1	/	19.20	/	20.00	
CP-OFDM 256QAM	1	1	/	18.62	/	20.00	

## 8.6.9 NR Band78 Output Power

## N78-ANT21 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	22.19	22.10	22.25	24.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	22.31	22.25	22.31	24.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	22.07	22.05	22.28	24.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	22.27	22.14	22.27	24.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	22.13	22.05	22.24	24.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	22.30	22.40	22.35	24.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	22.20	22.25	22.28	24.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	22.30	22.16	22.03	24.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	22.14	22.26	22.23	24.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	22.30	22.13	22.29	24.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	22.32	/	24.00
		1	137	/	22.51	/	24.00
		1	271	/	22.75	/	24.00
	DFT-s-OFDM BPSK	135	0	/	22.13	/	24.00
		135	69	/	22.48	/	24.00
		135	138	/	22.23	/	24.00
	DFT-s-OFDM BPSK	270	0	/	21.17	/	23.00
		1	1	/	22.23	/	24.00
	DFT-s-OFDM QPSK	1	137	/	22.41	/	24.00
		1	271	/	22.64	/	24.00
		135	0	/	22.27	/	24.00
	DFT-s-OFDM QPSK	135	69	/	22.42	/	24.00
		135	138	/	22.37	/	24.00
		270	0	/	21.15	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.71	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	19.90	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.02	/	19.50
	CP-OFDM QPSK	1	1	/	20.97	/	22.50
	CP-OFDM 16QAM	1	1	/	20.12	/	22.00
CP-OFDM 64QAM	1	1	/	19.21	/	20.50	
CP-OFDM 256QAM	1	1	/	16.04	/	17.50	

## N78-ANT21 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	15.81	15.75	15.42	16.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	15.69	15.81	15.62	16.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	15.80	15.78	15.39	16.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	15.67	15.58	15.56	16.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	15.60	15.67	15.71	16.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	15.48	15.43	15.57	16.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	15.48	15.69	15.73	16.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	15.61	15.74	15.47	16.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	15.45	15.61	15.46	16.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	15.54	15.81	15.39	16.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	15.47	/	16.50
		1	137	/	15.59	/	16.50
		1	271	/	15.56	/	16.50
	DFT-s-OFDM BPSK	135	0	/	15.46	/	16.50
		135	69	/	15.36	/	16.50
		135	138	/	15.47	/	16.50
	DFT-s-OFDM BPSK	270	0	/	15.60	/	16.50
		1	1	/	15.60	/	16.50
	DFT-s-OFDM QPSK	1	137	/	15.62	/	16.50
		1	271	/	15.46	/	16.50
		135	0	/	15.63	/	16.50
	DFT-s-OFDM QPSK	135	69	/	15.37	/	16.50
		135	138	/	15.56	/	16.50
		270	0	/	15.44	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.86	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	15.82	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.80	/	16.50
	CP-OFDM QPSK	1	1	/	15.49	/	16.50
	CP-OFDM 16QAM	1	1	/	15.53	/	16.50
CP-OFDM 64QAM	1	1	/	15.45	/	16.50	
CP-OFDM 256QAM	1	1	/	15.37	/	16.50	



## N78-ANT21 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	21.25	21.43	21.42	22.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	21.45	21.51	21.56	22.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	21.22	21.41	21.39	22.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	21.34	21.48	21.52	22.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	21.50	21.47	21.36	22.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	21.24	21.47	21.55	22.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.50	21.45	21.51	22.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	21.56	21.21	21.53	22.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.39	21.30	21.25	22.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	21.55	21.54	21.25	22.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	21.45	/	22.50
		1	137	/	21.25	/	22.50
		1	271	/	21.47	/	22.50
	DFT-s-OFDM BPSK	135	0	/	21.39	/	22.50
		135	69	/	21.17	/	22.50
		135	138	/	21.15	/	22.50
	DFT-s-OFDM BPSK	270	0	/	21.22	/	22.50
		1	1	/	21.37	/	22.50
		1	137	/	21.34	/	22.50
	DFT-s-OFDM QPSK	1	271	/	21.42	/	22.50
		135	0	/	21.43	/	22.50
		135	69	/	21.14	/	22.50
	DFT-s-OFDM QPSK	135	138	/	21.24	/	22.50
		270	0	/	21.12	/	22.50
		1	1	/	21.68	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.68	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	20.13	/	21.50
DFT-s-OFDM 256QAM	1	1	/	17.93	/	19.50	
CP-OFDM QPSK	1	1	/	21.09	/	22.50	
CP-OFDM 16QAM	1	1	/	20.12	/	22.00	
CP-OFDM 64QAM	1	1	/	19.20	/	20.50	
CP-OFDM 256QAM	1	1	/	16.03	/	17.50	

## N78-ANT21 DS18&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	18.01	18.02	18.03	19.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	17.85	18.01	18.79	19.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	18.07	18.11	17.96	19.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	18.00	18.04	18.25	19.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	17.89	17.98	18.03	19.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	18.07	17.97	17.96	19.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	18.04	17.97	17.96	19.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	18.10	18.20	18.01	19.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	18.02	18.15	18.24	19.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	18.25	17.88	18.21	19.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	17.97	/	19.00
		1	137	/	17.91	/	19.00
		1	271	/	17.83	/	19.00
	DFT-s-OFDM BPSK	135	0	/	17.97	/	19.00
		135	69	/	17.75	/	19.00
		135	138	/	17.99	/	19.00
	DFT-s-OFDM BPSK	270	0	/	17.87	/	19.00
		1	1	/	18.08	/	19.00
		DFT-s-OFDM QPSK	1	137	/	18.06	/
	1		271	/	17.95	/	19.00
	135		0	/	18.04	/	19.00
	DFT-s-OFDM QPSK	135	69	/	17.89	/	19.00
		135	138	/	17.99	/	19.00
		270	0	/	17.84	/	19.00
	DFT-s-OFDM 16QAM	1	1	/	18.14	/	19.00
	DFT-s-OFDM 64QAM	1	1	/	18.09	/	19.00
	DFT-s-OFDM 256QAM	1	1	/	18.07	/	19.00
CP-OFDM QPSK	1	1	/	18.02	/	19.00	
CP-OFDM 16QAM	1	1	/	17.80	/	19.00	
CP-OFDM 64QAM	1	1	/	18.08	/	19.00	
CP-OFDM 256QAM	1	1	/	15.91	/	17.50	

## 8.6.9 NR Band78 Output Power

## N78-ANT23 Full power(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	21.68	21.75	21.76	23.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	21.99	21.86	21.82	23.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	21.54	21.79	21.71	23.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	21.93	21.89	21.84	23.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	21.67	21.61	21.90	23.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	21.68	21.60	21.69	23.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	21.57	21.59	21.87	23.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	21.65	21.80	21.77	23.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	21.55	21.82	21.92	23.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	21.92	21.71	21.64	23.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	21.71	/	23.50
		1	137	/	21.57	/	23.50
		1	271	/	21.67	/	23.50
	DFT-s-OFDM BPSK	135	0	/	21.82	/	23.50
		135	69	/	21.68	/	23.50
		135	138	/	21.75	/	23.50
	DFT-s-OFDM BPSK	270	0	/	20.80	/	22.50
		1	1	/	21.74	/	23.50
	DFT-s-OFDM QPSK	1	137	/	21.52	/	23.50
		1	271	/	21.50	/	23.50
		135	0	/	21.71	/	23.50
	DFT-s-OFDM QPSK	135	69	/	21.71	/	23.50
		135	138	/	21.74	/	23.50
		270	0	/	20.65	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	20.60	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	19.38	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	17.70	/	19.00
	CP-OFDM QPSK	1	1	/	20.15	/	22.00
	CP-OFDM 16QAM	1	1	/	19.71	/	21.50
	CP-OFDM 64QAM	1	1	/	19.39	/	20.00
CP-OFDM 256QAM	1	1	/	16.10	/	17.00	

## N78-ANT23 DSI2&amp;3(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	14.75	14.73	14.71	15.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	14.69	14.80	14.70	15.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	14.72	14.78	14.67	15.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	14.61	14.88	14.73	15.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	14.51	14.72	14.86	15.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	14.55	14.65	14.63	15.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	14.52	14.60	14.65	15.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	14.67	14.81	14.55	15.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	14.75	14.76	14.84	15.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	14.72	14.79	14.70	15.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	14.60	/	15.50
		1	137	/	14.79	/	15.50
		1	271	/	14.78	/	15.50
	DFT-s-OFDM BPSK	135	0	/	14.85	/	15.50
		135	69	/	14.56	/	15.50
		135	138	/	14.56	/	15.50
	DFT-s-OFDM BPSK	270	0	/	14.73	/	15.50
		1	1	/	14.67	/	15.50
		1	137	/	14.70	/	15.50
	DFT-s-OFDM QPSK	1	271	/	14.74	/	15.50
		135	0	/	14.65	/	15.50
		135	69	/	14.70	/	15.50
	DFT-s-OFDM QPSK	135	138	/	14.79	/	15.50
		270	0	/	14.75	/	15.50
		1	1	/	14.86	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.86	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	14.73	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	14.89	/	15.50
CP-OFDM QPSK	1	1	/	14.84	/	15.50	
CP-OFDM 16QAM	1	1	/	14.36	/	15.50	
CP-OFDM 64QAM	1	1	/	14.89	/	15.50	
CP-OFDM 256QAM	1	1	/	14.65	/	15.50	

## N78-ANT23 DSI4&amp;5(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	20.03	19.96	20.11	21.00
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	19.96	19.89	20.04	21.00
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	20.04	19.86	20.17	21.00
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	20.08	19.90	20.07	21.00
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	20.21	19.85	20.10	21.00
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	20.20	19.98	19.99	21.00
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	20.15	20.16	19.91	21.00
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	20.02	20.00	20.15	21.00
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	19.89	19.95	19.91	21.00
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	19.87	20.13	20.10	21.00
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	20.01	/	21.00
		1	137	/	20.30	/	21.00
		1	271	/	20.00	/	21.00
	DFT-s-OFDM BPSK	135	0	/	20.01	/	21.00
		135	69	/	20.24	/	21.00
		135	138	/	20.27	/	21.00
	DFT-s-OFDM BPSK	270	0	/	19.81	/	21.00
		1	1	/	20.01	/	21.00
		1	137	/	20.18	/	21.00
	DFT-s-OFDM QPSK	1	271	/	20.08	/	21.00
		135	0	/	20.09	/	21.00
		135	69	/	20.27	/	21.00
	DFT-s-OFDM QPSK	135	138	/	20.14	/	21.00
		270	0	/	19.91	/	21.00
		1	1	/	20.37	/	21.00
	DFT-s-OFDM 16QAM	1	1	/	20.37	/	21.00
	DFT-s-OFDM 64QAM	1	1	/	19.32	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	17.69	/	19.00
	CP-OFDM QPSK	1	1	/	20.02	/	21.00
CP-OFDM 16QAM	1	1	/	19.43	/	21.00	
CP-OFDM 64QAM	1	1	/	19.22	/	20.00	
CP-OFDM 256QAM	1	1	/	16.06	/	17.00	

## N78-ANT23 DS18&amp;9&amp;10(Only for SA)

Bandwidth (MHz)	Modulation	Channel		647000	650000	653000	Tune-up power(dB)
		RB Size	RB offset	3705	3750	3795	
10	DFT-s-OFDM BPSK	1	1	17.68	17.52	17.57	18.50
Bandwidth (MHz)	Modulation	Channel		647168	650000	652832	Tune-up power(dB)
		RB Size	RB offset	3707.52	3750	3792.48	
15	DFT-s-OFDM BPSK	1	1	17.81	17.56	17.62	18.50
Bandwidth (MHz)	Modulation	Channel		647334	650000	652666	Tune-up power(dB)
		RB Size	RB offset	3710.01	3750	3789.99	
20	DFT-s-OFDM BPSK	1	1	17.71	17.43	17.38	18.50
Bandwidth (MHz)	Modulation	Channel		647668	650000	658333	Tune-up power(dB)
		RB Size	RB offset	3715.02	3750	3875	
30	DFT-s-OFDM BPSK	1	1	17.74	17.62	17.36	18.50
Bandwidth (MHz)	Modulation	Channel		648000	650000	664000	Tune-up power(dB)
		RB Size	RB offset	3720	3750	3960	
40	DFT-s-OFDM BPSK	1	1	17.43	17.69	17.48	18.50
Bandwidth (MHz)	Modulation	Channel		648334	650000	663666	Tune-up power(dB)
		RB Size	RB offset	3725.01	3750	3954.99	
50	DFT-s-OFDM BPSK	1	1	17.35	17.59	17.54	18.50
Bandwidth (MHz)	Modulation	Channel		648668	650000	663332	Tune-up power(dB)
		RB Size	RB offset	3730.02	3750	3949.98	
60	DFT-s-OFDM BPSK	1	1	17.59	17.53	17.58	18.50
Bandwidth (MHz)	Modulation	Channel		649000	650000	663000	Tune-up power(dB)
		RB Size	RB offset	3735	3750	3944.99	
70	DFT-s-OFDM BPSK	1	1	17.37	17.47	17.48	18.50
Bandwidth (MHz)	Modulation	Channel		649334	650000	662666	Tune-up power(dB)
		RB Size	RB offset	3740.01	3750	3939.99	
80	DFT-s-OFDM BPSK	1	1	17.37	17.61	17.41	18.50
Bandwidth (MHz)	Modulation	Channel		649668	650000	662332	Tune-up power(dB)
		RB Size	RB offset	3745.02	3750	3934.98	
90	DFT-s-OFDM BPSK	1	1	17.47	17.43	17.64	18.50
Bandwidth (MHz)	Modulation	Channel		/	650000	/	Tune-up power(dB)
		RB Size	RB offset	/	3750	/	
100	DFT-s-OFDM BPSK	1	1	/	17.53	/	18.50
		1	137	/	17.65	/	18.50
		1	271	/	17.53	/	18.50
	DFT-s-OFDM BPSK	135	0	/	17.64	/	18.50
		135	69	/	17.74	/	18.50
		135	138	/	17.80	/	18.50
	DFT-s-OFDM BPSK	270	0	/	17.65	/	18.50
		1	1	/	17.55	/	18.50
	DFT-s-OFDM QPSK	1	137	/	17.75	/	18.50
		1	271	/	17.55	/	18.50
	DFT-s-OFDM QPSK	135	0	/	17.69	/	18.50
		135	69	/	17.69	/	18.50
		135	138	/	17.75	/	18.50
	DFT-s-OFDM QPSK	270	0	/	17.66	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	17.89	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	17.77	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.63	/	18.50
	CP-OFDM QPSK	1	1	/	17.65	/	18.50
CP-OFDM 16QAM	1	1	/	17.24	/	18.50	
CP-OFDM 64QAM	1	1	/	17.48	/	18.50	
CP-OFDM 256QAM	1	1	/	15.90	/	17.00	