

Appendix E

Conducted RF Output Power

Measurement of RF conducted Power
1 Conducted Power of Main Antenna (Ant1)
1.1 Conducted Power of GSM
1.2 Conducted Power of WCDMA
1.3 Conducted Power of LTE
2 Conducted Power of Main Antenna (Ant2)
2.1 Conducted Power of GSM
2.2 Conducted Power of WCDMA
2.3 Conducted Power of LTE
3 Conducted Power of WiFi and Bluetooth
3.1 Conducted Power of 2.4GWiFi
3.2 Conducted Power of Bluetooth



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Note:

State	Trigger Conditions	Antenna No.
State1	Receiver off Standalone	All WWAN Ant
State2	Receiver on Standalone	All WWAN Ant



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Measurement of RF conducted Power

1 Conducted Power of Main Antenna (Ant1)

1.1 Conducted Power of GSM

GSM 1900										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	28.35	28.49	28.56	30.00	-9.19	19.16	19.30	19.37	20.81
GPRS (GMSK)	1 TX Slot	28.38	28.50	28.59	30.00	-9.19	19.19	19.31	19.40	20.81
	2 TX Slots	26.30	26.12	25.73	27.00	-6.18	20.12	19.94	19.55	20.82
	3 TX Slots	24.48	24.25	24.04	25.00	-4.42	20.06	19.83	19.62	20.58
	4 TX Slots	22.38	22.04	21.77	23.00	-3.17	19.21	18.87	18.60	19.83
EGPRS (GMSK)	1 TX Slot	28.46	28.57	28.53	30.00	-9.19	19.27	19.38	19.34	20.81
	2 TX Slots	26.29	26.10	25.67	27.00	-6.18	20.11	19.92	19.49	20.82
	3 TX Slots	24.58	24.27	24.10	25.00	-4.42	20.16	19.85	19.68	20.58
	4 TX Slots	22.37	21.95	21.76	23.00	-3.17	19.20	18.78	18.59	19.83
EGPRS (8PSK)	1 TX Slot	24.06	24.21	23.94	25.50	-9.19	14.87	15.02	14.75	16.31
	2 TX Slots	22.38	22.54	22.39	23.50	-6.18	16.20	16.36	16.21	17.32
	3 TX Slots	19.80	20.03	19.86	21.00	-4.42	15.38	15.61	15.44	16.58
	4 TX Slots	17.09	17.61	17.50	18.50	-3.17	13.92	14.44	14.33	15.33



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1.2 Conducted Power of WCDMA

WCDMA Band II State1					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.35	20.42	20.54	22.00
	12.2kbps AMR	20.44	20.25	20.33	22.00
HSDPA	Subtest 1	20.24	20.24	20.14	21.00
	Subtest 2	19.95	19.97	19.86	21.00
	Subtest 3	20.17	20.17	20.14	21.00
	Subtest 4	19.80	19.80	19.77	21.00
HSUPA	Subtest 1	18.05	18.11	18.03	19.00
	Subtest 2	17.95	18.03	17.96	19.00
	Subtest 3	18.39	18.50	18.40	19.00
	Subtest 4	18.46	18.58	18.49	19.00
	Subtest 5	20.32	20.35	20.31	21.00
DC-HSDPA	Subtest 1	20.15	20.29	20.30	21.00
	Subtest 2	20.00	19.96	19.91	21.00
	Subtest 3	20.26	20.20	20.23	21.00
	Subtest 4	19.80	19.82	19.71	21.00
HSPA+	16QAM	20.33	20.38	20.22	21.00

WCDMA Band II State2					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	21.30	21.43	21.55	23.00
	12.2kbps AMR	21.45	21.15	21.35	23.00
HSDPA	Subtest 1	21.18	21.20	21.20	22.00
	Subtest 2	20.90	20.91	20.92	22.00
	Subtest 3	21.09	21.14	21.15	22.00
	Subtest 4	20.73	20.77	20.79	22.00
HSUPA	Subtest 1	18.92	19.04	18.98	20.00
	Subtest 2	18.80	18.94	18.89	20.00
	Subtest 3	19.26	19.40	19.33	20.00
	Subtest 4	19.33	19.49	19.43	20.00
	Subtest 5	21.32	21.31	21.39	22.00
DC-HSDPA	Subtest 1	21.19	21.08	21.21	22.00
	Subtest 2	20.82	20.85	20.87	22.00
	Subtest 3	21.09	21.24	21.13	22.00
	Subtest 4	20.81	20.72	20.84	22.00
HSPA+	16QAM	21.18	21.25	21.57	22.00



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WCDMA Band IV State1					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.17	21.10	21.07	22.50
	12.2kbps AMR	21.10	21.15	21.04	22.50
HSDPA	Subtest 1	19.44	19.59	19.32	20.00
	Subtest 2	19.96	20.15	19.94	21.00
	Subtest 3	19.96	20.11	19.90	21.00
	Subtest 4	20.00	20.15	19.94	21.00
HSUPA	Subtest 1	17.66	18.32	18.11	19.00
	Subtest 2	17.82	17.35	17.27	18.50
	Subtest 3	18.22	18.33	18.14	19.00
	Subtest 4	18.31	17.89	17.71	19.00
	Subtest 5	20.60	19.99	19.83	21.00
DC-HSDPA	Subtest 1	19.51	19.44	19.65	20.00
	Subtest 2	20.05	20.05	20.01	21.00
	Subtest 3	19.97	20.16	19.92	21.00
	Subtest 4	19.98	20.20	19.92	21.00
HSPA+	16QAM	19.65	19.98	19.71	21.00

WCDMA Band IV State2					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.62	21.72	21.59	23.00
	12.2kbps AMR	21.59	21.66	21.63	23.00
HSDPA	Subtest 1	20.09	20.19	19.89	20.50
	Subtest 2	20.50	20.64	20.53	21.50
	Subtest 3	20.55	20.56	20.55	21.50
	Subtest 4	20.51	20.65	20.54	21.50
HSUPA	Subtest 1	18.30	18.91	18.71	19.50
	Subtest 2	18.47	17.94	17.85	19.00
	Subtest 3	18.69	18.78	18.73	19.50
	Subtest 4	18.95	18.54	18.21	19.50
	Subtest 5	21.15	20.62	20.46	21.50
DC-HSDPA	Subtest 1	20.10	19.92	20.15	20.50
	Subtest 2	20.55	20.50	20.62	21.50
	Subtest 3	20.52	20.64	20.47	21.50
	Subtest 4	20.59	20.72	20.57	21.50
HSPA+	16QAM	20.11	20.34	20.26	21.50



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1.3 Conducted Power of LTE

LTE Band 2 State1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	21.20	21.26	21.63	23.00
		1	2	21.40	21.58	21.60	23.00
		1	5	21.45	21.65	21.93	23.00
		3	0	21.36	21.60	21.30	23.00
		3	2	21.16	21.37	21.60	23.00
		3	3	21.88	21.42	21.48	23.00
		6	0	20.52	20.16	20.52	22.00
	16QAM	1	0	20.79	20.49	20.82	22.00
		1	2	21.49	20.56	21.34	22.00
		1	5	21.50	20.84	20.99	22.00
		3	0	20.26	20.42	20.57	22.00
		3	2	20.31	20.33	20.50	22.00
		3	3	20.77	20.53	20.64	22.00
		6	0	19.39	19.53	19.48	21.00
	64QAM	1	0	19.62	19.48	19.92	21.00
		1	2	19.90	19.11	19.98	21.00
		1	5	19.61	20.01	19.60	21.00
		3	0	20.02	19.91	19.88	21.00
		3	2	19.82	19.93	20.01	21.00
		3	3	20.13	20.04	20.13	21.00
		6	0	18.97	18.86	19.00	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	21.20	21.14	21.51	23.00
		1	7	21.35	21.43	21.57	23.00
		1	14	21.53	21.70	21.90	23.00
		8	0	20.26	20.43	20.43	22.00
		8	4	20.21	20.22	20.51	22.00
		8	7	20.82	20.46	20.47	22.00
		15	0	20.48	20.17	20.41	22.00
	16QAM	1	0	20.70	20.39	20.88	22.00
		1	7	21.43	20.70	21.47	22.00
		1	14	21.50	20.87	20.95	22.00



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		8	0	19.28	19.24	19.62	21.00
		8	4	19.46	19.35	19.55	21.00
		8	7	19.75	19.69	19.77	21.00
		15	0	19.45	19.53	19.45	21.00
	64QAM	1	0	19.69	19.38	20.01	21.00
		1	7	19.88	19.17	20.07	21.00
		1	14	19.75	20.05	19.61	21.00
		8	0	18.87	18.92	18.89	20.00
		8	4	18.98	18.84	18.94	20.00
		8	7	19.12	18.86	19.17	20.00
		15	0	18.91	18.81	19.13	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	21.27	21.17	21.65	23.00
		1	13	21.44	21.59	21.53	23.00
		1	24	21.43	21.70	21.96	23.00
		12	0	20.23	20.59	20.30	22.00
		12	6	20.21	20.32	20.51	22.00
		12	13	20.77	20.33	20.53	22.00
		25	0	20.47	20.19	20.54	22.00
	16QAM	1	0	20.75	20.49	20.87	22.00
		1	13	21.49	20.60	21.37	22.00
		1	24	21.54	20.75	21.05	22.00
		12	0	19.28	19.42	19.62	21.00
		12	6	19.42	19.43	19.52	21.00
		12	13	19.68	19.68	19.70	21.00
		25	0	19.49	19.51	19.44	21.00
	64QAM	1	0	19.76	19.46	20.01	21.00
		1	13	19.91	19.27	20.05	21.00
		1	24	19.77	20.02	19.56	21.00
		12	0	18.91	18.95	19.05	20.00
		12	6	18.98	18.92	18.97	20.00
		12	13	19.20	18.95	19.16	20.00
		25	0	18.85	18.97	18.99	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	21.08	21.17	21.52	23.00
		1	25	21.32	21.55	21.66	23.00
		1	49	21.52	21.63	22.00	23.00



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		25	0	20.17	20.53	20.32	22.00
		25	13	20.27	20.23	20.45	22.00
		25	25	20.78	20.35	20.44	22.00
		50	0	20.38	20.16	20.54	22.00
	16QAM	1	0	20.64	20.53	20.88	22.00
		1	25	21.45	20.69	21.40	22.00
		1	49	21.43	20.82	21.07	22.00
		25	0	19.34	19.42	19.67	21.00
		25	13	19.31	19.33	19.37	21.00
		25	25	19.80	19.54	19.78	21.00
		50	0	19.38	19.61	19.44	21.00
	64QAM	1	0	19.78	19.41	19.90	21.00
		1	25	19.91	19.08	19.90	21.00
		1	49	19.70	19.96	19.59	21.00
		25	0	18.95	18.99	18.88	20.00
		25	13	18.85	19.00	19.13	20.00
		25	25	19.22	18.92	19.22	20.00
		50	0	18.90	18.83	19.15	20.00
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
					18675	18900	19125
	15MHz	QPSK	1	0	21.13	21.21	21.58
			1	38	21.32	21.44	21.68
			1	74	21.48	21.68	22.01
			36	0	20.22	20.57	20.38
			36	18	20.24	20.36	20.59
			36	39	20.86	20.32	20.45
			75	0	20.46	20.28	20.50
		16QAM	1	0	20.71	20.44	20.78
			1	38	21.35	20.63	21.48
			1	74	21.39	20.88	20.90
			36	0	19.30	19.25	19.65
			36	18	19.27	19.32	19.39
			36	39	19.74	19.57	19.78
			75	0	19.30	19.49	19.60
		64QAM	1	0	19.80	19.48	19.96
			1	38	19.81	19.19	20.07
			1	74	19.68	20.01	19.57
			36	0	19.00	18.85	18.92
			36	18	18.89	18.93	19.09
							Tune up



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		36	39	19.13	18.95	19.08	20.00
		75	0	18.84	18.89	19.09	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.18	21.16	21.60	23.00
		1	50	21.41	21.51	21.63	23.00
		1	99	21.49	21.68	21.97	23.00
		50	0	20.27	20.50	20.37	22.00
		50	25	20.17	20.27	20.50	22.00
		50	50	20.84	20.42	20.48	22.00
		100	0	20.43	20.25	20.44	22.00
	16QAM	1	0	20.69	20.45	20.85	22.00
		1	50	21.42	20.61	21.42	22.00
		1	99	21.44	20.79	20.97	22.00
		50	0	19.30	19.33	19.60	21.00
		50	25	19.36	19.42	19.46	21.00
		50	50	19.76	19.63	19.74	21.00
		100	0	19.39	19.53	19.52	21.00
	64QAM	1	0	19.70	19.42	19.96	21.00
		1	50	19.81	19.18	20.00	21.00
		1	99	19.69	19.95	19.59	21.00
		50	0	18.93	18.92	18.96	20.00
		50	25	18.88	18.91	19.04	20.00
		50	50	19.21	18.94	19.16	20.00
		100	0	18.88	18.90	19.05	20.00

LTE Band 2 State2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.38	22.63	22.68	24.00
		1	2	22.42	22.55	22.74	24.00
		1	5	22.55	22.66	22.90	24.00
		3	0	22.13	22.22	22.41	24.00
		3	2	22.29	22.43	22.51	24.00
		3	3	22.44	22.14	22.41	24.00
		6	0	21.25	21.24	21.40	23.00
	16QAM	1	0	21.76	21.81	22.26	23.00
		1	2	21.97	21.62	22.42	23.00



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		1	5	21.94	22.09	22.32	23.00
		3	0	21.23	21.62	21.59	23.00
		3	2	21.53	21.41	21.54	23.00
		3	3	21.42	21.59	21.77	23.00
		6	0	20.36	20.60	20.78	22.00
	64QAM	1	0	20.60	21.26	21.15	22.00
		1	2	21.30	20.69	21.77	22.00
		1	5	20.61	20.72	20.77	22.00
		3	0	20.94	20.87	21.03	22.00
		3	2	20.90	21.08	20.96	22.00
		3	3	21.36	21.23	21.21	22.00
		6	0	19.77	20.11	20.11	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	22.29	22.64	22.62	24.00
		1	7	22.39	22.67	22.56	24.00
		1	14	22.59	22.57	22.93	24.00
		8	0	21.13	21.26	21.46	23.00
		8	4	21.34	21.29	21.35	23.00
		8	7	21.49	21.23	21.52	23.00
		15	0	21.08	21.35	21.50	23.00
	16QAM	1	0	21.68	21.79	22.15	23.00
		1	7	22.04	21.55	22.40	23.00
		1	14	21.84	22.09	22.27	23.00
		8	0	20.30	20.55	20.54	22.00
		8	4	20.48	20.23	20.50	22.00
		8	7	20.41	20.59	20.80	22.00
		15	0	20.36	20.57	20.70	22.00
	64QAM	1	0	20.68	21.35	21.15	22.00
		1	7	21.35	20.69	21.75	22.00
		1	14	20.45	20.73	20.66	22.00
		8	0	20.04	20.07	20.02	21.00
		8	4	19.86	19.99	20.05	21.00
		8	7	20.20	20.14	20.22	21.00
		15	0	19.90	20.11	20.08	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	22.36	22.68	22.68	24.00
		1	13	22.27	22.58	22.59	24.00



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		1	24	22.70	22.65	22.88	24.00
		12	0	21.18	21.31	21.31	23.00
		12	6	21.34	21.26	21.42	23.00
		12	13	21.41	21.19	21.38	23.00
		25	0	21.23	21.19	21.52	23.00
	16QAM	1	0	21.73	21.79	22.22	23.00
		1	13	22.02	21.44	22.45	23.00
		1	24	21.94	21.96	22.37	23.00
		12	0	20.25	20.72	20.54	22.00
		12	6	20.49	20.30	20.54	22.00
		12	13	20.41	20.73	20.77	22.00
		25	0	20.37	20.55	20.87	22.00
	64QAM	1	0	20.61	21.29	21.26	22.00
		1	13	21.35	20.66	21.88	22.00
		1	24	20.58	20.71	20.62	22.00
		12	0	20.03	19.99	20.09	21.00
		12	6	19.77	20.04	20.02	21.00
		12	13	20.26	20.24	20.12	21.00
		25	0	19.95	20.11	19.93	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	22.44	22.64	22.59	24.00
		1	25	22.42	22.59	22.67	24.00
		1	49	22.69	22.49	22.83	24.00
		25	0	21.11	21.21	21.40	23.00
		25	13	21.30	21.30	21.43	23.00
		25	25	21.47	21.19	21.46	23.00
		50	0	21.12	21.28	21.55	23.00
	16QAM	1	0	21.75	21.77	22.22	23.00
		1	25	22.14	21.53	22.37	23.00
		1	49	21.94	21.93	22.23	23.00
		25	0	20.42	20.65	20.68	22.00
		25	13	20.52	20.29	20.66	22.00
		25	25	20.43	20.61	20.74	22.00
		50	0	20.44	20.50	20.75	22.00
	64QAM	1	0	20.66	21.36	21.20	22.00
		1	25	21.31	20.60	21.89	22.00
		1	49	20.46	20.81	20.77	22.00
		25	0	19.91	20.04	20.04	21.00



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		25	13	19.82	20.04	20.05	21.00
		25	25	20.35	20.21	20.22	21.00
		50	0	19.89	20.00	20.00	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.30	22.65	22.78	24.00
		1	38	22.33	22.64	22.72	24.00
		1	74	22.54	22.51	22.91	24.00
		36	0	21.14	21.15	21.45	23.00
		36	18	21.28	21.33	21.53	23.00
		36	39	21.43	21.12	21.37	23.00
		75	0	21.19	21.36	21.57	23.00
	16QAM	1	0	21.63	21.82	22.19	23.00
		1	38	21.97	21.44	22.33	23.00
		1	74	21.87	22.00	22.24	23.00
		36	0	20.26	20.62	20.61	22.00
		36	18	20.39	20.30	20.57	22.00
		36	39	20.33	20.75	20.63	22.00
		75	0	20.38	20.52	20.72	22.00
	64QAM	1	0	20.62	21.24	21.19	22.00
		1	38	21.30	20.50	21.89	22.00
		1	74	20.47	20.67	20.63	22.00
		36	0	20.09	19.87	20.07	21.00
		36	18	19.82	19.97	19.99	21.00
		36	39	20.38	20.19	20.19	21.00
		75	0	19.86	20.08	20.10	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	22.37	22.60	22.68	24.00
		1	50	22.32	22.58	22.66	24.00
		1	99	22.64	22.57	22.85	24.00
		50	0	21.20	21.25	21.40	23.00
		50	25	21.25	21.36	21.44	23.00
		50	50	21.39	21.17	21.47	23.00
		100	0	21.16	21.26	21.48	23.00
	16QAM	1	0	21.70	21.74	22.21	23.00
		1	50	22.07	21.52	22.37	23.00
		1	99	21.90	22.03	22.27	23.00
		50	0	20.32	20.63	20.61	22.00



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		50	25	20.47	20.31	20.60	22.00
		50	50	20.42	20.65	20.71	22.00
		100	0	20.38	20.51	20.79	22.00
	64QAM	1	0	20.62	21.27	21.23	22.00
		1	50	21.34	20.59	21.79	22.00
		1	99	20.51	20.72	20.68	22.00
		50	0	20.01	19.97	20.09	21.00
		50	25	19.83	20.02	20.06	21.00
		50	50	20.28	20.21	20.20	21.00
		100	0	19.86	20.03	20.01	21.00

LTE Band 4 State1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.90	21.55	21.43	22.50
		1	2	21.73	21.53	21.28	22.50
		1	5	21.63	21.51	21.20	22.50
		3	0	21.56	21.46	21.26	22.50
		3	2	21.31	21.21	21.33	22.50
		3	3	21.57	21.65	21.58	22.50
		6	0	20.43	20.38	20.37	21.50
	16QAM	1	0	20.65	20.58	20.94	21.50
		1	2	20.62	20.50	20.69	21.50
		1	5	20.74	20.87	20.43	21.50
		3	0	20.31	20.07	20.29	21.50
		3	2	20.66	20.68	20.44	21.50
		3	3	20.46	20.78	20.80	21.50
		6	0	19.79	19.66	19.43	20.50
	64QAM	1	0	19.89	19.41	19.50	20.50
		1	2	20.00	19.25	19.33	20.50
		1	5	20.30	19.77	19.53	20.50
		3	0	19.96	19.81	19.83	20.50
		3	2	20.21	20.13	19.89	20.50
		3	3	20.02	19.86	20.30	20.50
		6	0	19.13	19.37	19.06	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.86	21.61	21.30	22.50



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		1	7	21.69	21.67	21.29	22.50
		1	14	21.59	21.41	21.25	22.50
		8	0	20.52	20.33	20.20	21.50
		8	4	20.30	20.34	20.34	21.50
		8	7	20.56	20.69	20.55	21.50
		15	0	20.41	20.34	20.34	21.50
	16QAM	1	0	20.56	20.69	20.99	21.50
		1	7	20.71	20.36	20.69	21.50
		1	14	20.68	20.77	20.47	21.50
		8	0	19.27	19.16	19.15	20.50
		8	4	19.56	19.64	19.32	20.50
		8	7	19.44	19.70	19.77	20.50
	64QAM	15	0	19.85	19.57	19.39	20.50
		1	0	19.88	19.48	19.49	20.50
		1	7	20.13	19.19	19.37	20.50
		1	14	20.13	19.95	19.57	20.50
		8	0	18.90	18.95	18.74	19.50
		8	4	19.27	19.11	18.91	19.50
5MHz	QPSK	8	7	19.01	18.92	19.29	19.50
		15	0	19.12	19.40	18.98	19.50
		1	0	21.81	21.60	21.35	22.50
		1	13	21.67	21.59	21.41	22.50
		1	24	21.56	21.40	21.25	22.50
		12	0	20.63	20.44	20.21	21.50
	16QAM	12	6	20.25	20.36	20.31	21.50
		12	13	20.55	20.63	20.72	21.50
		25	0	20.58	20.35	20.18	21.50
		1	0	20.53	20.51	20.90	21.50
		1	13	20.60	20.37	20.82	21.50
		1	24	20.71	20.75	20.42	21.50
	64QAM	12	0	19.25	19.20	19.24	20.50
		12	6	19.61	19.78	19.41	20.50
		12	13	19.58	19.70	19.83	20.50
		25	0	19.95	19.52	19.39	20.50
		1	0	19.78	19.55	19.40	20.50
		1	13	20.11	19.19	19.32	20.50
		1	24	20.13	19.91	19.51	20.50



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		12	0	18.94	18.90	18.84	19.50
		12	6	19.17	19.26	18.81	19.50
		12	13	19.04	18.91	19.17	19.50
		25	0	19.12	19.37	19.08	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.75	21.55	21.41	22.50
		1	25	21.62	21.64	21.38	22.50
		1	49	21.76	21.51	21.22	22.50
		25	0	20.45	20.31	20.16	21.50
		25	13	20.26	20.25	20.24	21.50
		25	25	20.46	20.54	20.68	21.50
		50	0	20.46	20.47	20.37	21.50
	16QAM	1	0	20.55	20.61	20.90	21.50
		1	25	20.64	20.44	20.74	21.50
		1	49	20.77	20.82	20.53	21.50
		25	0	19.37	19.22	19.29	20.50
		25	13	19.55	19.79	19.26	20.50
		25	25	19.55	19.76	19.84	20.50
		50	0	19.87	19.62	19.31	20.50
	64QAM	1	0	19.84	19.42	19.49	20.50
		1	25	20.06	19.19	19.46	20.50
		1	49	20.21	19.84	19.68	20.50
		25	0	18.85	18.87	18.69	19.50
		25	13	19.19	19.13	18.89	19.50
		25	25	19.00	18.91	19.19	19.50
		50	0	19.24	19.30	18.96	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.81	21.63	21.37	22.50
		1	38	21.67	21.62	21.38	22.50
		1	74	21.66	21.49	21.30	22.50
		36	0	20.54	20.39	20.20	21.50
		36	18	20.32	20.30	20.34	21.50
		36	39	20.56	20.60	20.62	21.50
		75	0	20.50	20.43	20.27	21.50
	16QAM	1	0	20.60	20.60	20.92	21.50
		1	38	20.64	20.46	20.74	21.50
		1	74	20.68	20.83	20.51	21.50



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		36	0	19.32	19.17	19.20	20.50
		36	18	19.64	19.72	19.34	20.50
		36	39	19.54	19.68	19.77	20.50
		75	0	19.88	19.61	19.40	20.50
	64QAM	1	0	19.81	19.50	19.44	20.50
		1	38	20.06	19.15	19.42	20.50
		1	74	20.21	19.87	19.61	20.50
		36	0	18.88	18.88	18.76	19.50
		36	18	19.20	19.17	18.84	19.50
		36	39	18.99	18.90	19.27	19.50
		75	0	19.21	19.33	18.98	19.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
					20050	20175	20300
					Tune up		
20MHz	QPSK	1	0	21.74	21.58	21.40	22.50
		1	50	21.65	21.62	21.41	22.50
		1	99	21.64	21.58	21.40	22.50
		50	0	20.54	20.44	20.25	21.50
		50	25	20.34	20.39	20.41	21.50
		50	50	20.54	20.62	20.53	21.50
		100	0	20.45	20.40	20.32	21.50
	16QAM	1	0	20.61	20.62	20.91	21.50
		1	50	20.58	20.47	20.76	21.50
		1	99	20.61	20.86	20.44	21.50
		50	0	19.40	19.25	19.28	20.50
		50	25	19.74	19.73	19.39	20.50
		50	50	19.52	19.68	19.72	20.50
		100	0	19.85	19.67	19.40	20.50
	64QAM	1	0	19.89	19.59	19.34	20.50
		1	50	19.99	19.20	19.45	20.50
		1	99	20.29	19.92	19.68	20.50
		50	0	18.91	18.80	18.82	19.50
		50	25	19.25	19.20	18.93	19.50
		50	50	19.01	18.84	19.32	19.50
		100	0	19.24	19.32	18.95	19.50

LTE Band 4 State2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	



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1.4MHz	QPSK	1	0	22.58	22.30	22.33	23.50
		1	2	22.17	22.36	22.45	23.50
		1	5	22.34	22.48	22.18	23.50
		3	0	22.15	22.33	22.39	23.50
		3	2	22.41	22.19	22.39	23.50
		3	3	22.38	22.50	22.33	23.50
		6	0	21.43	21.42	21.52	22.50
	16QAM	1	0	21.62	21.45	21.66	22.50
		1	2	21.73	21.51	21.57	22.50
		1	5	21.56	21.51	21.64	22.50
		3	0	21.63	21.52	21.46	22.50
		3	2	21.36	21.26	21.32	22.50
		3	3	21.49	21.60	21.53	22.50
		6	0	20.49	20.35	20.63	21.50
	64QAM	1	0	21.19	21.03	20.50	21.50
		1	2	20.42	20.75	20.74	21.50
		1	5	21.13	21.12	20.62	21.50
		3	0	20.81	20.85	21.03	21.50
		3	2	21.22	21.33	21.11	21.50
		3	3	21.15	21.16	21.19	21.50
		6	0	20.25	20.22	20.03	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.52	22.28	22.33	23.50
		1	7	22.24	22.37	22.47	23.50
		1	14	22.34	22.46	22.23	23.50
		8	0	21.20	21.33	21.33	22.50
		8	4	21.36	21.28	21.42	22.50
		8	7	21.39	21.45	21.40	22.50
		15	0	21.51	21.37	21.49	22.50
	16QAM	1	0	21.61	21.44	21.74	22.50
		1	7	21.70	21.48	21.53	22.50
		1	14	21.50	21.55	21.68	22.50
		8	0	20.58	20.53	20.41	21.50
		8	4	20.34	20.27	20.42	21.50
		8	7	20.44	20.65	20.44	21.50
		15	0	20.45	20.42	20.57	21.50
	64QAM	1	0	21.09	20.96	20.58	21.50
		1	7	20.47	20.66	20.81	21.50



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		1	14	21.10	21.10	20.69	21.50
		8	0	19.89	19.86	19.97	20.50
		8	4	20.20	20.24	20.03	20.50
		8	7	20.05	20.06	20.13	20.50
		15	0	20.35	20.24	20.00	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.42	22.35	22.24	23.50
		1	13	22.25	22.30	22.57	23.50
		1	24	22.41	22.40	22.23	23.50
		12	0	21.28	21.35	21.51	22.50
		12	6	21.32	21.41	21.50	22.50
		12	13	21.41	21.34	21.51	22.50
		25	0	21.50	21.30	21.49	22.50
	16QAM	1	0	21.47	21.53	21.63	22.50
		1	13	21.62	21.54	21.42	22.50
		1	24	21.41	21.62	21.57	22.50
		12	0	20.42	20.51	20.38	21.50
		12	6	20.41	20.46	20.38	21.50
		12	13	20.58	20.59	20.51	21.50
		25	0	20.47	20.42	20.59	21.50
	64QAM	1	0	21.03	21.01	20.57	21.50
		1	13	20.41	20.62	20.84	21.50
		1	24	21.21	21.43	20.69	21.50
		12	0	19.91	19.76	20.01	20.50
		12	6	20.22	20.34	20.09	20.50
		12	13	20.09	19.99	20.07	20.50
		25	0	20.37	20.25	19.99	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.42	22.26	22.14	23.50
		1	25	22.41	22.47	22.60	23.50
		1	49	22.40	22.38	22.32	23.50
		25	0	21.19	21.36	21.48	22.50
		25	13	21.40	21.30	21.47	22.50
		25	25	21.37	21.31	21.48	22.50
		50	0	21.39	21.31	21.47	22.50
	16QAM	1	0	21.50	21.41	21.65	22.50
		1	25	21.70	21.50	21.45	22.50



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		1	49	21.55	21.60	21.64	22.50
		25	0	20.52	20.41	20.45	21.50
		25	13	20.26	20.27	20.46	21.50
		25	25	20.49	20.56	20.44	21.50
		50	0	20.37	20.51	20.41	21.50
	64QAM	1	0	21.14	21.08	20.62	21.50
		1	25	20.39	20.68	20.76	21.50
		1	49	21.10	21.46	20.61	21.50
		25	0	19.93	19.86	19.84	20.50
		25	13	20.28	20.32	20.12	20.50
		25	25	20.09	19.94	20.19	20.50
		50	0	20.22	20.36	19.91	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
		1	0	22.54	22.19	22.33	23.50
		1	38	22.37	22.36	22.60	23.50
		1	74	22.49	22.46	22.33	23.50
	QPSK	36	0	21.21	21.36	21.39	22.50
		36	18	21.29	21.27	21.37	22.50
		36	39	21.41	21.32	21.47	22.50
		75	0	21.46	21.35	21.52	22.50
		1	0	21.52	21.43	21.61	22.50
		1	38	21.67	21.51	21.46	22.50
		1	74	21.53	21.49	21.59	22.50
	16QAM	36	0	20.51	20.35	20.27	21.50
		36	18	20.24	20.41	20.28	21.50
		36	39	20.55	20.54	20.55	21.50
		75	0	20.49	20.54	20.49	21.50
		1	0	21.18	21.07	20.65	21.50
		1	38	20.45	20.74	20.65	21.50
		1	74	21.16	21.49	20.61	21.50
	64QAM	36	0	19.92	19.80	19.86	20.50
		36	18	20.26	20.30	20.08	20.50
		36	39	20.02	20.01	20.17	20.50
		75	0	20.30	20.29	19.99	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
		1	0	22.44	22.25	22.24	23.50
	QPSK	1	50	22.33	22.37	22.50	23.50



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		1	99	22.42	22.40	22.27	23.50
		50	0	21.28	21.41	21.41	22.50
		50	25	21.33	21.31	21.45	22.50
		50	50	21.40	21.40	21.41	22.50
		100	0	21.43	21.40	21.49	22.50
	16QAM	1	0	21.51	21.44	21.70	22.50
		1	50	21.67	21.49	21.47	22.50
		1	99	21.51	21.52	21.66	22.50
		50	0	20.49	20.44	20.35	21.50
		50	25	20.32	20.36	20.37	21.50
		50	50	20.51	20.57	20.51	21.50
		100	0	20.41	20.50	20.51	21.50
	64QAM	1	0	21.09	21.06	20.61	21.50
		1	50	20.43	20.69	20.75	21.50
		1	99	21.20	21.50	20.68	21.50
		50	0	19.88	19.85	19.93	20.50
		50	25	20.21	20.29	20.02	20.50
		50	50	20.03	20.03	20.16	20.50
		100	0	20.30	20.27	19.96	20.50

LTE Band 7 State1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.03	19.10	19.07	19.50
		1	13	19.24	18.58	19.05	19.50
		1	24	18.68	18.35	18.15	19.50
		12	0	17.43	17.04	17.85	18.50
		12	6	16.95	16.94	17.76	18.50
		12	13	17.27	17.23	17.60	18.50
		25	0	17.00	17.30	17.80	18.50
	16QAM	1	0	16.76	17.97	18.44	18.50
		1	13	17.37	17.23	18.00	18.50
		1	24	18.20	18.35	17.63	18.50
		12	0	16.74	17.29	17.09	17.50
		12	6	17.25	17.06	16.90	17.50
		12	13	17.25	17.41	16.74	17.50
		25	0	17.29	17.28	16.96	17.50
	64QAM	1	0	16.77	17.08	17.18	17.50



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		1	13	17.23	17.12	17.17	17.50
		1	24	16.83	16.88	16.74	17.50
		12	0	15.89	16.19	16.20	16.50
		12	6	16.39	16.18	16.02	16.50
		12	13	16.08	16.46	15.85	16.50
		25	0	16.35	16.29	16.02	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	19.02	19.04	19.25	19.50
		1	25	19.19	18.42	18.91	19.50
		1	49	18.70	18.32	18.07	19.50
		25	0	17.35	17.21	17.82	18.50
		25	13	16.89	17.07	17.88	18.50
		25	25	17.36	17.20	17.62	18.50
		50	0	16.89	17.19	17.82	18.50
	16QAM	1	0	16.74	17.97	18.43	18.50
		1	25	17.40	17.19	17.97	18.50
		1	49	18.18	18.24	17.61	18.50
		25	0	16.82	17.16	17.00	17.50
		25	13	17.12	17.14	16.95	17.50
		25	25	17.24	17.38	16.82	17.50
		50	0	17.10	17.20	16.97	17.50
	64QAM	1	0	16.83	17.18	17.16	17.50
		1	25	17.09	17.15	17.14	17.50
		1	49	16.82	16.82	16.79	17.50
		25	0	16.00	16.33	16.21	16.50
		25	13	16.39	16.05	15.96	16.50
		25	25	16.17	16.47	15.93	16.50
		50	0	16.48	16.38	15.97	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.14	19.17	19.16	19.50
		1	38	19.13	18.42	18.93	19.50
		1	74	18.69	18.35	18.19	19.50
		36	0	16.56	17.08	17.99	18.50
		36	18	16.98	16.96	17.78	18.50
		36	39	17.42	17.23	17.68	18.50
		75	0	17.03	17.30	17.93	18.50
	16QAM	1	0	16.83	18.04	18.29	18.50



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		1	38	17.27	17.30	18.05	18.50
		1	74	18.09	18.36	17.64	18.50
		36	0	16.86	17.29	17.03	17.50
		36	18	17.24	17.15	17.00	17.50
		36	39	17.25	17.45	16.92	17.50
		75	0	17.16	17.29	17.03	17.50
		64QAM	1	0	16.71	17.17	17.12
	1		38	17.10	17.28	16.98	17.50
	1		74	16.80	16.90	16.91	17.50
	36		0	15.91	16.28	16.09	16.50
	36		18	16.39	16.17	16.07	16.50
	36		39	16.21	16.47	16.02	16.50
	75		0	16.29	16.39	16.11	16.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
20850					21100	21350	
20MHz	QPSK	1	0	19.09	19.12	19.15	19.50
		1	50	19.18	18.49	19.00	19.50
		1	99	18.78	18.40	18.17	19.50
		50	0	16.52	17.11	17.92	18.50
		50	25	16.90	17.01	17.82	18.50
		50	50	17.34	17.30	17.70	18.50
		100	0	16.97	17.22	17.83	18.50
	16QAM	1	0	16.83	18.01	18.37	18.50
		1	50	17.32	17.29	17.99	18.50
		1	99	18.13	18.29	17.66	18.50
		50	0	16.81	17.20	17.08	17.50
		50	25	17.16	17.07	16.94	17.50
		50	50	17.19	17.36	16.84	17.50
		100	0	17.20	17.25	16.94	17.50
	64QAM	1	0	16.76	17.11	17.08	17.50
		1	50	17.19	17.21	17.08	17.50
		1	99	16.89	16.87	16.84	17.50
		50	0	15.99	16.27	16.15	16.50
		50	25	16.33	16.15	16.05	16.50
		50	50	16.12	16.43	15.94	16.50
		100	0	16.39	16.34	16.04	16.50



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LTE Band 7 State2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.73	22.73	22.36	24.00
		1	13	22.77	22.74	22.57	24.00
		1	24	22.99	22.84	22.85	24.00
		12	0	21.65	21.22	21.59	23.00
		12	6	21.85	21.52	21.38	23.00
		12	13	21.48	21.37	21.36	23.00
		25	0	21.57	21.43	21.42	23.00
	16QAM	1	0	21.62	21.59	21.40	23.00
		1	13	21.68	21.85	21.63	23.00
		1	24	21.72	21.67	21.46	23.00
		12	0	20.74	20.74	20.68	22.00
		12	6	21.19	20.62	20.61	22.00
		12	13	20.82	20.39	20.49	22.00
		25	0	20.96	20.70	20.49	22.00
	64QAM	1	0	21.66	21.54	20.40	22.00
		1	13	20.99	20.93	20.12	22.00
		1	24	21.41	21.74	20.46	22.00
		12	0	20.37	20.08	20.70	21.00
		12	6	20.67	20.03	20.39	21.00
		12	13	20.91	20.47	19.98	21.00
		25	0	20.72	19.95	20.17	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.70	22.73	22.25	24.00
		1	25	22.90	22.69	22.50	24.00
		1	49	22.83	22.91	22.56	24.00
		25	0	21.73	21.31	21.58	23.00
		25	13	21.81	21.54	21.54	23.00
		25	25	21.55	21.48	21.42	23.00
		50	0	21.64	21.29	21.48	23.00
	16QAM	1	0	21.58	21.66	21.33	23.00
		1	25	21.74	21.82	21.53	23.00
		1	49	21.61	21.62	21.52	23.00
		25	0	20.79	20.84	20.79	22.00



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		25	13	21.14	20.62	20.56	22.00
		25	25	20.88	20.48	20.38	22.00
		50	0	21.08	20.53	20.40	22.00
	64QAM	1	0	21.57	21.50	20.51	22.00
		1	25	21.08	21.02	20.18	22.00
		1	49	21.48	21.79	20.64	22.00
		25	0	20.41	20.04	20.77	21.00
		25	13	20.70	20.13	20.43	21.00
		25	25	20.97	20.52	20.10	21.00
		50	0	20.73	20.06	20.15	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.69	22.78	22.39	24.00
		1	38	22.75	22.71	22.48	24.00
		1	74	22.86	22.80	22.58	24.00
		36	0	21.61	21.34	21.45	23.00
		36	18	21.80	21.70	21.35	23.00
		36	39	21.63	21.44	21.44	23.00
		75	0	21.68	21.31	21.49	23.00
	16QAM	1	0	21.59	21.52	21.39	23.00
		1	38	21.80	21.75	21.62	23.00
		1	74	21.61	21.63	21.42	23.00
		36	0	20.69	20.77	20.63	22.00
		36	18	21.07	20.62	20.50	22.00
		36	39	20.98	20.45	20.45	22.00
		75	0	21.06	20.70	20.42	22.00
	64QAM	1	0	21.65	21.49	20.45	22.00
		1	38	21.06	20.98	20.23	22.00
		1	74	21.43	21.83	20.63	22.00
		36	0	20.23	20.00	20.74	21.00
		36	18	20.77	20.14	20.45	21.00
		36	39	20.95	20.46	19.94	21.00
		75	0	20.91	19.97	20.18	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.74	22.81	22.35	24.00
		1	50	22.83	22.70	22.48	24.00
		1	99	22.93	22.84	22.35	24.00
		50	0	21.66	21.32	21.52	23.00



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		50	25	21.85	21.61	21.44	23.00
		50	50	21.54	21.44	21.37	23.00
		100	0	21.63	21.35	21.43	23.00
	16QAM	1	0	21.67	21.62	21.33	23.00
		1	50	21.72	21.83	21.56	23.00
		1	99	21.70	21.64	21.44	23.00
		50	0	20.77	20.77	20.69	22.00
		50	25	21.15	20.56	20.57	22.00
		50	50	20.91	20.48	20.46	22.00
		100	0	20.98	20.63	20.46	22.00
	64QAM	1	0	21.59	21.44	20.41	22.00
		1	50	21.06	21.00	20.22	22.00
		1	99	21.38	21.81	20.55	22.00
		50	0	20.33	20.04	20.74	21.00
		50	25	20.73	20.06	20.44	21.00
		50	50	20.88	20.52	20.02	21.00
		100	0	20.82	20.05	20.12	21.00

LTE Band 66 State1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	21.55	21.28	21.46	22.50
		1	2	21.61	21.46	21.47	22.50
		1	5	21.54	21.49	21.40	22.50
		3	0	21.06	21.45	21.01	22.50
		3	1	21.16	21.34	21.27	22.50
		3	3	21.38	21.28	21.08	22.50
		6	0	20.15	20.32	20.18	21.50
	16QAM	1	0	21.27	21.27	20.17	21.50
		1	2	21.35	21.40	21.13	21.50
		1	5	21.32	21.08	20.76	21.50
		3	0	20.30	20.39	20.53	21.50
		3	1	20.48	20.69	20.13	21.50
		3	3	21.30	20.47	20.29	21.50
		6	0	19.21	19.71	19.21	20.50
	64QAM	1	0	19.64	20.00	19.97	20.50
		1	2	19.91	19.65	19.33	20.50
		1	5	20.23	19.20	19.36	20.50



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		3	0	19.71	19.80	20.10	20.50
		3	1	20.00	20.13	19.72	20.50
		3	3	20.36	20.10	19.81	20.50
		6	0	18.89	19.09	18.73	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	21.49	21.44	21.46	22.50
		1	7	21.49	21.34	21.49	22.50
		1	14	21.51	21.38	21.55	22.50
		8	0	20.08	20.33	20.03	21.50
		8	4	20.23	20.36	20.07	21.50
		8	7	20.21	20.28	20.03	21.50
		15	0	20.29	20.20	20.22	21.50
	16QAM	1	0	21.12	21.30	20.16	21.50
		1	7	21.36	21.34	21.23	21.50
		1	14	21.34	21.06	20.77	21.50
		8	0	19.32	19.29	19.61	20.50
		8	4	19.38	19.71	19.16	20.50
		8	7	20.25	19.53	19.27	20.50
		15	0	19.34	19.66	19.23	20.50
	64QAM	1	0	19.77	19.89	20.11	20.50
		1	7	19.98	19.53	19.15	20.50
		1	14	20.30	19.18	19.19	20.50
		8	0	18.76	18.74	19.04	19.50
		8	4	18.94	19.25	18.76	19.50
		8	7	19.32	19.02	18.68	19.50
		15	0	18.88	19.29	18.64	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	21.49	21.25	21.37	22.50
		1	13	21.65	21.47	21.54	22.50
		1	24	21.46	21.46	21.46	22.50
		12	0	20.13	20.40	20.10	21.50
		12	6	20.34	20.34	20.14	21.50
		12	13	20.29	20.32	20.01	21.50
		25	0	20.22	20.36	20.16	21.50
	16QAM	1	0	21.20	21.31	20.13	21.50
		1	13	21.38	21.37	21.17	21.50
		1	24	21.36	21.02	20.87	21.50



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		12	0	19.30	19.45	19.67	20.50
		12	6	19.38	19.67	19.13	20.50
		12	13	20.16	19.42	19.34	20.50
		25	0	19.37	19.59	19.03	20.50
	64QAM	1	0	19.69	20.02	19.95	20.50
		1	13	19.94	19.54	19.17	20.50
		1	24	20.31	19.30	19.20	20.50
		12	0	18.66	18.87	19.14	19.50
		12	6	18.85	19.26	18.73	19.50
		12	13	19.31	18.97	18.64	19.50
		25	0	18.86	19.27	18.80	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	21.54	21.44	21.44	22.50
		1	25	21.50	21.52	21.58	22.50
		1	49	21.52	21.44	21.51	22.50
		25	0	20.13	20.38	20.08	21.50
		25	13	20.31	20.25	20.10	21.50
		25	25	20.33	20.37	20.04	21.50
		50	0	20.32	20.26	20.06	21.50
	16QAM	1	0	21.10	21.29	20.19	21.50
		1	25	21.45	21.39	21.18	21.50
		1	49	21.24	21.08	20.82	21.50
		25	0	19.22	19.27	19.55	20.50
		25	13	19.52	19.54	19.16	20.50
		25	25	20.11	19.34	19.27	20.50
		50	0	19.29	19.77	19.15	20.50
	64QAM	1	0	19.77	19.92	20.08	20.50
		1	25	19.91	19.58	19.22	20.50
		1	49	20.16	19.18	19.37	20.50
		25	0	18.69	18.86	19.10	19.50
		25	13	18.88	19.26	18.78	19.50
		25	25	19.27	19.12	18.79	19.50
		50	0	18.82	19.24	18.62	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	21.43	21.35	21.34	22.50
		1	38	21.69	21.41	21.51	22.50
		1	74	21.48	21.39	21.45	22.50



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		36	0	20.14	20.33	19.95	21.50
		36	18	20.26	20.36	20.27	21.50
		36	39	20.33	20.41	20.14	21.50
		75	0	20.23	20.24	20.09	21.50
	16QAM	1	0	21.22	21.21	20.30	21.50
		1	38	21.41	21.22	21.11	21.50
		1	74	21.29	21.09	20.92	21.50
		36	0	19.18	19.37	19.56	20.50
		36	18	19.53	19.59	19.08	20.50
		36	39	20.16	19.34	19.34	20.50
		75	0	19.40	19.76	19.17	20.50
	64QAM	1	0	19.69	20.02	20.11	20.50
		1	38	20.04	19.59	19.22	20.50
		1	74	20.13	19.27	19.36	20.50
		36	0	18.64	18.78	19.18	19.50
		36	18	19.02	19.21	18.71	19.50
		36	39	19.28	19.07	18.80	19.50
		75	0	18.77	19.19	18.62	19.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
					132072	132322	132572
	20MHz	QPSK	1	0	21.46	21.34	21.43
			1	50	21.59	21.44	21.52
			1	99	21.56	21.40	21.45
			50	0	20.16	20.35	20.05
			50	25	20.26	20.26	20.17
			50	50	20.30	20.37	20.10
			100	0	20.24	20.28	20.13
		16QAM	1	0	21.17	21.26	20.20
			1	50	21.37	21.32	21.19
			1	99	21.34	21.04	20.83
			50	0	19.25	19.37	19.60
			50	25	19.48	19.64	19.10
			50	50	20.20	19.43	19.26
			100	0	19.31	19.69	19.13
		64QAM	1	0	19.74	19.96	20.02
			1	50	19.96	19.61	19.23
			1	99	20.23	19.21	19.28
			50	0	18.73	18.83	19.08
			50	25	18.95	19.22	18.72



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		50	50	19.37	19.05	18.72	19.50
		100	0	18.80	19.19	18.72	19.50

LTE Band 66 State2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	22.53	22.36	22.10	23.50
		1	2	22.76	22.31	22.37	23.50
		1	5	22.93	22.74	22.33	23.50
		3	0	22.10	22.18	22.12	23.50
		3	1	22.08	22.44	22.25	23.50
		3	3	22.29	22.29	22.37	23.50
		6	0	21.22	21.17	21.13	22.50
	16QAM	1	0	21.82	21.68	21.46	22.50
		1	2	22.08	22.19	21.43	22.50
		1	5	21.73	21.89	21.75	22.50
		3	0	21.35	21.45	21.30	22.50
		3	1	21.24	21.37	21.13	22.50
		3	3	21.47	21.36	21.34	22.50
		6	0	20.27	20.37	20.27	21.50
	64QAM	1	0	20.46	20.78	20.21	21.50
		1	2	20.60	20.19	20.60	21.50
		1	5	20.77	20.64	21.23	21.50
		3	0	20.84	21.02	21.16	21.50
		3	1	20.87	21.36	20.87	21.50
		3	3	20.84	20.98	20.72	21.50
		6	0	19.94	20.25	19.74	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	22.59	22.26	22.10	23.50
		1	7	22.85	22.29	22.25	23.50
		1	14	22.75	22.56	22.36	23.50
		8	0	21.11	21.37	21.17	22.50
		8	4	21.18	21.41	21.15	22.50
		8	7	21.39	21.34	21.34	22.50
		15	0	21.09	21.27	21.08	22.50
	16QAM	1	0	21.89	21.59	21.46	22.50
		1	7	21.97	22.28	21.34	22.50



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		1	14	21.76	21.94	21.73	22.50
		8	0	20.34	20.31	20.28	21.50
		8	4	20.17	20.31	20.21	21.50
		8	7	20.45	20.27	20.31	21.50
		15	0	20.16	20.44	20.30	21.50
	64QAM	1	0	20.51	20.64	20.26	21.50
		1	7	20.54	20.28	20.69	21.50
		1	14	20.75	20.71	21.23	21.50
		8	0	19.96	20.08	20.15	20.50
		8	4	19.82	20.31	19.85	20.50
		8	7	19.88	20.09	19.68	20.50
		15	0	19.92	20.20	19.63	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.57	22.30	22.14	23.50
		1	13	22.81	22.33	22.30	23.50
		1	24	22.83	22.64	22.30	23.50
		12	0	21.13	21.28	21.16	22.50
		12	6	21.08	21.37	21.22	22.50
		12	13	21.38	21.28	21.31	22.50
	16QAM	25	0	21.13	21.25	21.05	22.50
		1	0	21.79	21.63	21.38	22.50
		1	13	22.05	22.21	21.44	22.50
		1	24	21.79	21.91	21.69	22.50
		12	0	20.36	20.40	20.28	21.50
		12	6	20.21	20.39	20.12	21.50
	64QAM	12	13	20.40	20.34	20.36	21.50
		25	0	20.21	20.38	20.27	21.50
		1	0	20.54	20.72	20.25	21.50
		1	13	20.58	20.25	20.64	21.50
		1	24	20.78	20.62	21.17	21.50
		12	0	19.87	20.00	20.09	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	22.68	22.20	22.17	23.50
		1	25	22.76	22.36	22.40	23.50



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		1	49	22.81	22.67	22.23	23.50
		25	0	21.24	21.30	21.10	22.50
		25	13	21.19	21.39	21.34	22.50
		25	25	21.24	21.29	21.23	22.50
		50	0	21.15	21.22	21.05	22.50
	16QAM	1	0	21.87	21.66	21.57	22.50
		1	25	22.00	22.15	21.46	22.50
		1	49	21.82	21.81	21.73	22.50
		25	0	20.32	20.38	20.16	21.50
		25	13	20.27	20.45	20.20	21.50
		25	25	20.41	20.40	20.27	21.50
		50	0	20.25	20.42	20.09	21.50
	64QAM	1	0	20.64	20.61	20.13	21.50
		1	25	20.66	20.09	20.68	21.50
		1	49	20.86	20.57	21.12	21.50
		25	0	19.89	20.01	20.05	20.50
		25	13	19.82	20.20	19.75	20.50
		25	25	19.98	19.98	19.66	20.50
		50	0	19.75	20.12	19.67	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	22.51	22.17	22.16	23.50
		1	38	22.73	22.28	22.21	23.50
		1	74	22.77	22.66	22.15	23.50
		36	0	21.28	21.16	21.19	22.50
		36	18	21.11	21.48	21.23	22.50
		36	39	21.37	21.37	21.21	22.50
		75	0	21.19	21.20	21.21	22.50
	16QAM	1	0	21.74	21.69	21.47	22.50
		1	38	22.04	22.10	21.35	22.50
		1	74	21.64	21.91	21.65	22.50
		36	0	20.38	20.42	20.21	21.50
		36	18	20.23	20.31	20.12	21.50
		36	39	20.31	20.34	20.27	21.50
		75	0	20.22	20.36	20.11	21.50
	64QAM	1	0	20.58	20.61	20.30	21.50
		1	38	20.65	20.13	20.69	21.50
		1	74	20.80	20.61	21.12	21.50
		36	0	19.80	19.98	20.10	20.50



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		36	18	19.85	20.24	19.77	20.50
		36	39	19.91	20.01	19.80	20.50
		75	0	19.80	20.18	19.74	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	22.60	22.26	22.18	23.50
		1	50	22.83	22.33	22.30	23.50
		1	99	22.80	22.63	22.22	23.50
		50	0	21.21	21.23	21.10	22.50
		50	25	21.17	21.38	21.25	22.50
		50	50	21.34	21.35	21.24	22.50
		100	0	21.18	21.26	21.15	22.50
	16QAM	1	0	21.81	21.70	21.47	22.50
		1	50	21.95	22.16	21.41	22.50
		1	99	21.73	21.89	21.64	22.50
		50	0	20.29	20.36	20.21	21.50
		50	25	20.17	20.39	20.21	21.50
		50	50	20.34	20.44	20.28	21.50
		100	0	20.25	20.40	20.17	21.50
	64QAM	1	0	20.61	20.70	20.23	21.50
		1	50	20.65	20.15	20.73	21.50
		1	99	20.86	20.60	21.18	21.50
		50	0	19.81	20.01	20.13	20.50
		50	25	19.86	20.28	19.75	20.50
		50	50	19.96	19.98	19.70	20.50
		100	0	19.78	20.18	19.77	20.50

LTE Band 38 State1				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	19.81	19.88	19.71	21.00
		1	13	19.48	19.43	19.56	21.00
		1	24	19.43	19.33	19.36	21.00
		12	0	18.87	18.59	18.38	20.00
		12	6	18.45	18.53	18.40	20.00
		12	13	18.84	18.33	18.37	20.00
		25	0	18.53	18.42	18.57	20.00
	16QAM	1	0	18.94	18.62	18.49	20.00



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		1	13	18.92	18.42	18.28	20.00
		1	24	18.65	18.35	18.27	20.00
		12	0	17.50	17.12	17.07	19.00
		12	6	17.35	17.11	17.22	19.00
		12	13	17.79	17.17	17.28	19.00
		25	0	17.73	17.09	17.23	19.00
	64QAM	1	0	18.38	17.96	18.68	19.00
	64QAM	1	13	18.14	17.72	18.19	19.00
	64QAM	1	24	18.78	18.39	18.88	19.00
	64QAM	12	0	16.29	16.18	16.09	18.00
	64QAM	12	6	16.37	16.13	16.01	18.00
	64QAM	12	13	16.66	16.35	16.17	18.00
	64QAM	25	0	16.52	16.26	16.27	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	19.71	19.97	19.75	21.00
	QPSK	1	25	19.54	19.44	19.41	21.00
	QPSK	1	49	19.33	19.38	19.35	21.00
	QPSK	25	0	18.83	18.61	18.48	20.00
	QPSK	25	13	18.42	18.40	18.38	20.00
	QPSK	25	25	18.71	18.29	18.33	20.00
	QPSK	50	0	18.63	18.43	18.44	20.00
	16QAM	1	0	18.92	18.58	18.49	20.00
	16QAM	1	25	18.99	18.46	18.45	20.00
	16QAM	1	49	18.63	18.39	18.31	20.00
	16QAM	25	0	17.42	17.09	17.14	19.00
	16QAM	25	13	17.36	17.23	17.04	19.00
	16QAM	25	25	17.67	17.24	17.46	19.00
	16QAM	50	0	17.61	17.07	17.19	19.00
	64QAM	1	0	18.48	18.06	18.57	19.00
	64QAM	1	25	18.16	17.85	18.02	19.00
	64QAM	1	49	18.80	18.40	18.87	19.00
	64QAM	25	0	16.44	16.09	16.03	18.00
	64QAM	25	13	16.27	16.23	16.04	18.00
	64QAM	25	25	16.60	16.41	16.33	18.00
	64QAM	50	0	16.42	16.32	16.18	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	19.72	20.04	19.79	21.00



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		1	38	19.47	19.45	19.46	21.00
		1	74	19.44	19.32	19.41	21.00
		36	0	18.85	18.49	18.40	20.00
		36	18	18.44	18.56	18.56	20.00
		36	39	18.82	18.27	18.44	20.00
		75	0	18.52	18.53	18.55	20.00
	16QAM	1	0	18.86	18.66	18.56	20.00
		1	38	18.92	18.29	18.27	20.00
		1	74	18.61	18.34	18.26	20.00
		36	0	17.48	17.16	17.03	19.00
		36	18	17.38	17.23	17.11	19.00
		36	39	17.79	17.17	17.36	19.00
		75	0	17.61	17.09	17.22	19.00
	64QAM	1	0	18.43	18.07	18.60	19.00
		1	38	18.01	17.85	18.10	19.00
		1	74	18.79	18.39	18.95	19.00
		36	0	16.40	16.12	16.32	18.00
		36	18	16.34	16.09	16.13	18.00
		36	39	16.62	16.49	16.30	18.00
		75	0	16.57	16.18	16.12	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	19.71	19.96	19.76	21.00
		1	50	19.47	19.42	19.51	21.00
		1	99	19.37	19.29	19.44	21.00
		50	0	18.79	18.59	18.45	20.00
		50	25	18.51	18.46	18.46	20.00
		50	50	18.76	18.35	18.38	20.00
		100	0	18.56	18.46	18.52	20.00
	16QAM	1	0	18.87	18.68	18.56	20.00
		1	50	18.89	18.36	18.36	20.00
		1	99	18.56	18.32	18.24	20.00
		50	0	17.48	17.06	17.12	19.00
		50	25	17.45	17.13	17.13	19.00
		50	50	17.77	17.16	17.37	19.00
		100	0	17.66	17.05	17.28	19.00
	64QAM	1	0	18.43	18.05	18.60	19.00
		1	50	18.11	17.78	18.12	19.00
		1	99	18.72	18.34	18.86	19.00



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		50	0	16.35	16.13	16.07	18.00
		50	25	16.37	16.16	16.04	18.00
		50	50	16.61	16.39	16.27	18.00
		100	0	16.49	16.26	16.18	18.00

LTE Band 38 State2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.63	22.63	22.56	24.00
		1	13	22.55	22.45	22.36	24.00
		1	24	22.51	22.33	22.15	24.00
		12	0	21.70	21.70	21.45	23.00
		12	6	21.66	21.52	21.44	23.00
		12	13	21.66	21.47	21.33	23.00
		25	0	21.65	21.54	21.52	23.00
	16QAM	1	0	22.29	22.28	21.43	23.00
		1	13	22.26	21.92	21.29	23.00
		1	24	22.12	22.06	21.18	23.00
		12	0	21.02	20.64	20.71	22.00
		12	6	20.67	20.43	20.50	22.00
		12	13	20.80	20.49	20.46	22.00
		25	0	20.80	20.79	20.48	22.00
	64QAM	1	0	20.82	21.13	20.98	22.00
		1	13	20.82	20.82	20.78	22.00
		1	24	20.54	20.73	20.55	22.00
		12	0	20.49	20.31	19.81	21.00
		12	6	20.27	19.96	20.16	21.00
		12	13	20.22	19.95	19.98	21.00
		25	0	20.05	19.84	20.22	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.64	22.60	22.65	24.00
		1	25	22.67	22.44	22.41	24.00
		1	49	22.62	22.27	22.23	24.00
		25	0	21.75	21.68	21.49	23.00
		25	13	21.75	21.61	21.37	23.00
		25	25	21.49	21.33	21.33	23.00
		50	0	21.83	21.52	21.50	23.00



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	16QAM	1	0	22.36	22.22	21.50	23.00
		1	25	22.34	22.03	21.28	23.00
		1	49	22.11	21.94	21.28	23.00
		25	0	20.96	20.73	20.73	22.00
		25	13	20.72	20.57	20.49	22.00
		25	25	20.84	20.37	20.34	22.00
		50	0	20.84	20.76	20.57	22.00
	64QAM	1	0	20.86	21.10	20.84	22.00
		1	25	20.79	20.94	20.91	22.00
		1	49	20.71	20.62	20.62	22.00
		25	0	20.38	20.15	19.96	21.00
		25	13	20.26	20.07	20.18	21.00
		25	25	20.41	19.90	20.08	21.00
		50	0	20.14	19.87	20.26	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.49	22.62	22.66	24.00
		1	38	22.61	22.55	22.41	24.00
		1	74	22.54	22.24	22.28	24.00
		36	0	21.84	21.69	21.42	23.00
		36	18	21.66	21.52	21.48	23.00
		36	39	21.62	21.48	21.39	23.00
		75	0	21.83	21.56	21.49	23.00
	16QAM	1	0	22.20	22.12	21.41	23.00
		1	38	22.17	21.98	21.28	23.00
		1	74	22.00	22.02	21.22	23.00
		36	0	20.94	20.60	20.64	22.00
		36	18	20.68	20.59	20.50	22.00
		36	39	20.78	20.46	20.43	22.00
		75	0	20.76	20.80	20.66	22.00
	64QAM	1	0	20.93	21.10	20.99	22.00
		1	38	20.72	20.83	20.74	22.00
		1	74	20.68	20.68	20.63	22.00
		36	0	20.45	20.11	19.80	21.00
		36	18	20.16	20.09	20.22	21.00
		36	39	20.24	19.99	20.01	21.00
		75	0	20.07	19.80	20.12	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	



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20MHz	QPSK	1	0	22.58	22.53	22.65	24.00
		1	50	22.60	22.49	22.44	24.00
		1	99	22.58	22.32	22.25	24.00
		50	0	21.76	21.70	21.43	23.00
		50	25	21.70	21.53	21.43	23.00
		50	50	21.57	21.43	21.43	23.00
		100	0	21.73	21.58	21.46	23.00
	16QAM	1	0	22.27	22.22	21.50	23.00
		1	50	22.24	21.97	21.28	23.00
		1	99	22.02	21.99	21.19	23.00
		50	0	20.92	20.69	20.66	22.00
		50	25	20.75	20.51	20.55	22.00
		50	50	20.82	20.40	20.40	22.00
		100	0	20.74	20.74	20.58	22.00
	64QAM	1	0	20.90	21.10	20.94	22.00
		1	50	20.78	20.87	20.82	22.00
		1	99	20.61	20.68	20.58	22.00
		50	0	20.43	20.21	19.88	21.00
		50	25	20.17	19.99	20.17	21.00
		50	50	20.31	19.94	20.01	21.00
		100	0	20.09	19.90	20.16	21.00

LTE Band 41 State1				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	19.81	19.47	19.73	19.54	19.45	21.00
		1	13	19.66	19.37	19.36	19.58	19.55	21.00
		1	24	19.61	19.41	19.31	19.32	19.33	21.00
		12	0	18.94	18.53	18.63	18.12	18.57	20.00
		12	6	18.62	18.52	18.57	18.40	18.48	20.00
		12	13	18.74	18.41	18.40	18.16	18.44	20.00
		25	0	18.77	18.41	18.51	18.42	18.45	20.00
	16QAM	1	0	18.71	18.49	18.55	18.19	18.58	20.00
		1	13	18.55	18.13	18.92	18.60	18.46	20.00
		1	24	18.08	18.41	18.45	18.21	18.26	20.00
		12	0	17.21	17.11	17.14	17.18	17.17	19.00
		12	6	17.06	17.18	17.03	17.10	17.16	19.00
		12	13	17.38	17.21	17.29	17.10	17.31	19.00



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		25	0	17.13	17.12	17.16	17.38	17.17	19.00
	64QAM	1	0	18.17	17.96	17.94	18.05	18.22	19.00
		1	13	17.87	17.61	17.68	17.74	17.95	19.00
		1	24	18.59	18.12	18.35	18.71	18.17	19.00
		12	0	16.18	16.19	16.42	16.08	16.37	18.00
		12	6	16.01	16.15	16.47	16.10	16.45	18.00
		12	13	16.33	16.38	16.55	16.54	16.53	18.00
		25	0	16.15	16.16	16.56	16.29	16.54	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	19.85	19.43	19.80	19.45	19.42	21.00
		1	25	19.66	19.28	19.46	19.49	19.69	21.00
		1	49	19.46	19.38	19.33	19.43	19.46	21.00
		25	0	18.76	18.37	18.53	18.66	18.70	20.00
		25	13	18.66	18.40	18.43	18.29	18.51	20.00
		25	25	18.55	18.57	18.45	18.22	18.40	20.00
		50	0	18.73	18.34	18.45	18.31	18.44	20.00
	16QAM	1	0	18.70	18.52	18.42	18.28	18.71	20.00
		1	25	18.72	18.11	18.89	18.55	18.46	20.00
		1	49	18.14	18.56	18.33	18.24	18.32	20.00
		25	0	17.32	17.38	17.39	17.16	17.26	19.00
		25	13	17.07	17.07	17.13	17.03	17.24	19.00
		25	25	17.42	17.22	17.25	17.19	17.26	19.00
		50	0	17.04	17.07	17.21	17.25	17.24	19.00
	64QAM	1	0	18.03	17.98	18.01	18.06	18.34	19.00
		1	25	17.86	17.52	17.79	17.78	17.81	19.00
		1	49	18.51	18.05	18.51	18.75	18.23	19.00
		25	0	16.34	16.11	16.27	16.22	16.36	18.00
		25	13	16.13	16.18	16.42	16.18	16.36	18.00
		25	25	16.40	16.42	16.56	16.64	16.47	18.00
		50	0	16.10	16.13	16.54	16.27	16.43	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	19.99	19.38	19.65	19.43	19.54	21.00
		1	38	19.75	19.42	19.43	19.49	19.59	21.00
		1	74	19.52	19.33	19.30	19.33	19.41	21.00
		36	0	18.91	18.44	18.55	18.12	18.52	20.00
		36	18	18.68	18.49	18.46	18.27	18.49	20.00
		36	39	18.71	18.53	18.36	18.14	18.46	20.00



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		75	0	18.64	18.45	18.54	18.28	18.45	20.00
	16QAM	1	0	18.88	18.42	18.59	18.12	18.73	20.00
		1	38	18.60	18.21	18.91	18.57	18.45	20.00
		1	74	18.03	18.48	18.41	18.15	18.20	20.00
		36	0	17.28	17.29	17.37	17.04	17.21	19.00
		36	18	17.09	17.14	17.04	17.16	17.18	19.00
		36	39	17.30	17.13	17.36	17.15	17.28	19.00
		75	0	17.05	17.14	17.06	17.36	17.21	19.00
	64QAM	1	0	18.04	17.96	18.01	18.14	18.21	19.00
		1	38	17.78	17.47	17.86	17.76	17.98	19.00
		1	74	18.65	18.16	18.47	18.61	18.21	19.00
		36	0	16.30	16.15	16.31	16.16	16.43	18.00
		36	18	16.17	16.18	16.48	16.28	16.44	18.00
		36	39	16.27	16.39	16.57	16.55	16.55	18.00
		75	0	16.12	16.15	16.47	16.29	16.54	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	19.91	19.48	19.75	19.49	19.52	21.00
		1	50	19.73	19.38	19.45	19.48	19.59	21.00
		1	99	19.55	19.41	19.36	19.37	19.43	21.00
		50	0	18.86	18.47	18.56	18.02	18.60	20.00
		50	25	18.72	18.47	18.51	18.30	18.51	20.00
		50	50	18.65	18.49	18.41	18.16	18.36	20.00
		100	0	18.70	18.40	18.47	18.35	18.54	20.00
	16QAM	1	0	18.79	18.42	18.51	18.22	18.65	20.00
		1	50	18.63	18.18	18.89	18.62	18.40	20.00
		1	99	18.06	18.51	18.38	18.19	18.23	20.00
		50	0	17.26	17.05	17.03	17.06	17.22	19.00
		50	25	17.05	17.08	17.11	17.13	17.20	19.00
		50	50	17.32	17.16	17.27	17.19	17.25	19.00
		100	0	17.14	17.06	17.12	17.29	17.24	19.00
	64QAM	1	0	18.08	17.94	18.01	18.14	18.26	19.00
		1	50	17.86	17.53	17.77	17.79	17.89	19.00
		1	99	18.58	18.09	18.41	18.68	18.15	19.00
		50	0	16.28	16.14	16.36	16.12	16.46	18.00
		50	25	16.07	16.14	16.40	16.18	16.42	18.00
		50	50	16.33	16.32	16.65	16.54	16.49	18.00
		100	0	16.17	16.23	16.51	16.34	16.48	18.00



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LTE Band 41 State2				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	22.42	22.38	22.55	22.12	22.35	24.00
		1	13	22.65	22.47	22.41	22.33	22.65	24.00
		1	24	22.52	22.42	22.33	22.21	22.27	24.00
		12	0	21.93	21.59	21.53	21.30	21.56	23.00
		12	6	21.88	21.50	21.47	21.29	21.59	23.00
		12	13	21.52	21.31	21.52	21.43	21.41	23.00
		25	0	21.80	21.41	21.12	21.32	21.47	23.00
	16QAM	1	0	22.15	22.04	21.63	21.59	22.02	23.00
		1	13	22.26	22.14	21.44	21.82	22.08	23.00
		1	24	21.84	21.97	21.90	22.05	21.83	23.00
		12	0	20.89	20.60	20.69	20.21	20.51	22.00
		12	6	20.91	20.65	20.48	20.26	20.53	22.00
		12	13	20.64	20.52	20.28	20.37	20.69	22.00
		25	0	21.00	20.42	20.42	20.45	20.65	22.00
	64QAM	1	0	21.14	20.84	21.00	20.13	20.27	22.00
		1	13	20.96	20.90	20.76	20.15	20.59	22.00
		1	24	20.97	20.90	20.66	20.25	20.53	22.00
		12	0	20.40	20.22	20.12	19.71	20.24	21.00
		12	6	20.47	20.19	20.10	20.02	20.13	21.00
		12	13	20.16	20.18	19.99	19.75	20.17	21.00
		25	0	20.45	19.93	20.10	19.99	20.15	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.48	22.35	22.57	22.08	22.28	24.00
		1	25	22.74	22.46	22.34	22.28	22.67	24.00
		1	49	22.56	22.38	22.29	22.32	22.35	24.00
		25	0	21.86	21.44	21.52	21.19	21.52	23.00
		25	13	21.74	21.61	21.47	21.35	21.61	23.00
		25	25	21.62	21.25	21.45	21.28	21.46	23.00
		50	0	21.80	21.51	21.22	21.25	21.51	23.00
	16QAM	1	0	22.23	22.05	21.46	21.68	21.97	23.00
		1	25	22.23	22.15	21.31	21.72	22.06	23.00
		1	49	21.98	21.98	21.94	21.88	21.74	23.00
		25	0	20.95	20.58	20.55	20.24	20.59	22.00



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		25	13	20.77	20.63	20.61	20.36	20.57	22.00
		25	25	20.75	20.47	20.27	20.40	20.54	22.00
		50	0	20.92	20.36	20.53	20.41	20.55	22.00
	64QAM	1	0	21.16	20.80	21.09	20.13	20.30	22.00
		1	25	21.03	20.89	20.73	20.27	20.55	22.00
		1	49	20.95	20.98	20.76	20.27	20.62	22.00
		25	0	20.43	20.13	20.13	19.65	20.14	21.00
		25	13	20.29	20.21	20.13	19.91	20.22	21.00
		25	25	20.31	20.15	19.98	19.90	19.99	21.00
		50	0	20.29	19.88	20.07	19.97	20.14	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.56	22.34	22.51	22.08	22.26	24.00
		1	38	22.68	22.44	22.31	22.32	22.53	24.00
		1	74	22.54	22.38	22.30	22.25	22.30	24.00
		36	0	21.96	21.49	21.36	21.30	21.54	23.00
		36	18	21.69	21.62	21.49	21.17	21.62	23.00
		36	39	21.64	21.21	21.56	21.29	21.54	23.00
		75	0	21.85	21.50	21.24	21.40	21.31	23.00
	16QAM	1	0	22.15	21.98	21.55	21.62	21.91	23.00
		1	38	22.20	22.29	21.25	21.89	21.93	23.00
		1	74	21.80	22.03	21.95	22.03	21.88	23.00
		36	0	20.88	20.51	20.58	20.26	20.52	22.00
		36	18	20.90	20.65	20.52	20.37	20.58	22.00
		36	39	20.63	20.47	20.44	20.37	20.51	22.00
		75	0	21.01	20.50	20.38	20.50	20.48	22.00
	64QAM	1	0	21.29	20.90	21.06	20.10	20.30	22.00
		1	38	21.03	20.98	20.67	20.33	20.52	22.00
		1	74	20.92	20.91	20.75	20.36	20.58	22.00
		36	0	20.26	20.15	20.15	19.72	20.19	21.00
		36	18	20.38	20.18	20.10	19.87	20.23	21.00
		36	39	20.13	20.13	20.13	19.78	20.15	21.00
		75	0	20.35	19.95	20.14	20.15	20.17	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.51	22.44	22.52	22.13	22.29	24.00
		1	50	22.68	22.50	22.41	22.26	22.58	24.00
		1	99	22.46	22.33	22.27	22.30	22.36	24.00
		50	0	21.88	21.53	21.45	21.20	21.58	23.00



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		50	25	21.79	21.55	21.49	21.27	21.56	23.00
		50	50	21.55	21.28	21.46	21.37	21.51	23.00
		100	0	21.79	21.43	21.19	21.30	21.41	23.00
	16QAM	1	0	22.24	21.97	21.56	21.64	22.00	23.00
		1	50	22.25	22.23	21.34	21.82	22.03	23.00
		1	99	21.90	21.95	21.93	21.95	21.78	23.00
		50	0	20.98	20.59	20.63	20.23	20.60	22.00
		50	25	20.85	20.66	20.54	20.35	20.48	22.00
		50	50	20.68	20.53	20.37	20.40	20.61	22.00
		100	0	20.94	20.42	20.43	20.42	20.56	22.00
	64QAM	1	0	21.24	20.89	21.07	20.17	20.34	22.00
		1	50	21.05	20.90	20.75	20.25	20.53	22.00
		1	99	20.87	20.94	20.66	20.34	20.61	22.00
		50	0	20.36	20.16	20.13	19.67	20.16	21.00
		50	25	20.39	20.11	20.17	19.94	20.13	21.00
		50	50	20.23	20.08	20.07	19.84	20.07	21.00
		100	0	20.36	19.94	20.13	20.06	20.17	21.00



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2 Conducted Power of Main Antenna (Ant2)

2.1 Conducted Power of GSM

GSM 850										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	31.83	31.85	31.95	33.50	-9.19	22.64	22.66	22.76	24.31
GPRS (GMSK)	1 TX Slot	31.85	31.90	32.01	33.50	-9.19	22.66	22.71	22.82	24.31
	2 TX Slots	29.72	29.72	29.73	31.00	-6.18	23.54	23.54	23.55	24.82
	3 TX Slots	27.99	27.91	27.92	29.00	-4.42	23.57	23.49	23.50	24.58
	4 TX Slots	25.67	25.59	25.61	27.00	-3.17	22.50	22.42	22.44	23.83
EGPRS (GMSK)	1 TX Slot	31.84	31.96	31.93	33.50	-9.19	22.65	22.77	22.74	24.31
	2 TX Slots	29.79	29.65	29.81	31.00	-6.18	23.61	23.47	23.63	24.82
	3 TX Slots	27.98	27.88	27.98	29.00	-4.42	23.56	23.46	23.56	24.58
	4 TX Slots	25.73	25.53	25.65	27.00	-3.17	22.56	22.36	22.48	23.83
EGPRS (8PSK)	1 TX Slot	24.97	24.98	24.91	26.00	-9.19	15.78	15.79	15.72	16.81
	2 TX Slots	23.79	23.83	23.72	25.00	-6.18	17.61	17.65	17.54	18.82
	3 TX Slots	21.31	21.41	21.34	23.00	-4.42	16.89	16.99	16.92	18.58
	4 TX Slots	18.57	18.83	18.93	20.00	-3.17	15.40	15.66	15.76	16.83



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2.2 Conducted Power of WCDMA

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.99	23.04	22.84	24.00
	12.2kbps AMR	22.97	22.96	22.85	24.00
HSDPA	Subtest 1	21.70	21.50	21.58	22.50
	Subtest 2	21.47	21.22	21.31	22.50
	Subtest 3	21.11	20.92	21.02	22.50
	Subtest 4	21.14	21.10	21.09	22.50
HSUPA	Subtest 1	19.66	20.17	20.11	21.50
	Subtest 2	20.28	19.86	19.67	21.50
	Subtest 3	20.63	20.61	20.56	22.50
	Subtest 4	19.77	19.87	19.73	21.00
	Subtest 5	21.50	21.41	21.37	22.50
DC-HSDPA	Subtest 1	21.80	21.55	21.67	22.50
	Subtest 2	21.50	21.28	21.40	22.50
	Subtest 3	21.14	20.92	20.99	22.50
	Subtest 4	21.14	21.18	21.03	22.50
HSPA+	16QAM	21.82	21.77	21.71	23.50



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2.3 Conducted Power of LTE

LTE Band 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	24.24	24.13	24.03	25.00
		1	2	24.39	24.14	23.90	25.00
		1	5	24.29	24.19	23.95	25.00
		3	0	23.99	23.89	23.77	25.00
		3	2	24.01	23.95	23.83	25.00
		3	3	23.94	23.90	23.89	25.00
		6	0	22.87	22.84	22.83	24.00
	16QAM	1	0	22.69	22.88	22.92	24.00
		1	2	22.92	23.11	23.18	24.00
		1	5	22.79	22.96	22.67	24.00
		3	0	23.04	23.47	23.34	24.00
		3	2	23.09	23.33	23.11	24.00
		3	3	23.03	23.34	23.10	24.00
		6	0	21.97	21.81	21.74	23.00
	64QAM	1	0	22.86	22.22	22.37	23.00
		1	2	22.26	22.37	21.84	23.00
		1	5	22.26	22.11	21.73	23.00
		3	0	22.10	21.99	21.52	23.00
		3	2	22.09	21.87	21.67	23.00
		3	3	22.11	21.97	21.92	23.00
		6	0	21.17	20.97	21.23	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.89	24.04	23.80	25.00
		1	7	23.77	24.09	23.68	25.00
		1	14	23.86	23.82	23.97	25.00
		8	0	22.89	22.85	22.80	24.00
		8	4	22.84	22.93	22.85	24.00
		8	7	22.88	22.94	22.95	24.00
		15	0	22.82	22.90	22.97	24.00
	16QAM	1	0	23.21	23.21	22.84	24.00
		1	7	23.02	22.98	23.01	24.00
		1	14	23.22	23.22	23.15	24.00



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		8	0	22.36	21.92	21.81	23.00
		8	4	22.29	22.04	21.94	23.00
		8	7	22.22	22.06	21.95	23.00
		15	0	22.08	21.86	22.01	23.00
	64QAM	1	0	22.24	22.12	22.27	23.00
		1	7	21.90	22.46	22.67	23.00
		1	14	21.75	22.40	21.94	23.00
		8	0	20.82	21.07	21.10	22.00
		8	4	21.15	21.11	20.87	22.00
		8	7	21.44	21.12	20.82	22.00
		15	0	21.16	21.14	20.86	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.93	23.98	23.84	25.00
		1	13	23.75	24.00	23.76	25.00
		1	24	23.82	23.96	23.86	25.00
		12	0	22.97	22.85	22.87	24.00
		12	6	22.83	22.85	23.01	24.00
		12	13	22.74	23.03	23.02	24.00
		25	0	22.94	22.82	23.07	24.00
	16QAM	1	0	23.14	23.14	22.98	24.00
		1	13	23.09	23.02	22.95	24.00
		1	24	23.21	23.12	23.09	24.00
		12	0	22.42	22.01	21.90	23.00
		12	6	22.39	22.03	21.93	23.00
		12	13	22.26	22.05	21.88	23.00
		25	0	22.17	21.91	21.86	23.00
	64QAM	1	0	22.07	21.98	22.14	23.00
		1	13	21.82	22.36	22.76	23.00
		1	24	21.80	22.38	21.87	23.00
		12	0	20.74	20.94	21.07	22.00
		12	6	21.06	21.09	20.85	22.00
		12	13	21.45	21.16	20.80	22.00
		25	0	21.17	21.17	20.84	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.92	23.97	23.88	25.00
		1	25	23.81	24.00	23.74	25.00
		1	49	23.78	23.88	23.87	25.00



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		25	0	22.97	22.83	22.88	24.00
		25	13	22.91	22.93	22.91	24.00
		25	25	22.82	22.94	22.96	24.00
		50	0	22.87	22.87	22.99	24.00
	16QAM	1	0	23.18	23.20	22.92	24.00
		1	25	23.05	22.98	22.96	24.00
		1	49	23.26	23.13	23.16	24.00
		25	0	22.32	21.99	21.89	23.00
		25	13	22.29	21.97	21.88	23.00
		25	25	22.21	21.98	21.85	23.00
		50	0	22.08	21.93	21.91	23.00
	64QAM	1	0	22.15	22.06	22.19	23.00
		1	25	21.90	22.36	22.73	23.00
		1	49	21.77	22.41	21.85	23.00
		25	0	20.79	21.01	21.05	22.00
		25	13	21.06	21.02	20.87	22.00
		25	25	21.52	21.17	20.84	22.00
		50	0	21.12	21.14	20.88	22.00

LTE FDD Band 12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	24.01	23.77	23.99	25.00
		1	2	23.71	23.90	23.91	25.00
		1	5	23.57	23.92	23.94	25.00
		3	0	23.82	23.79	23.91	25.00
		3	2	23.82	23.75	23.87	25.00
		3	3	23.80	23.75	23.92	25.00
		6	0	22.66	22.77	23.02	24.00
	16QAM	1	0	22.77	22.84	22.74	24.00
		1	2	23.07	22.62	22.78	24.00
		1	5	22.72	22.69	23.36	24.00
		3	0	22.97	23.18	23.24	24.00
		3	2	23.31	23.23	23.14	24.00
		3	3	23.08	23.00	23.16	24.00
		6	0	21.60	21.55	21.67	23.00
	64QAM	1	0	22.32	22.47	22.35	23.00
		1	2	22.26	22.42	22.18	23.00



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