

Appendix E

Conducted RF Output Power

Measurement of RF conducted Power
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Note:

State (DSI)	Trigger Conditions	Antenna No.
State3 (DSI3)	Receiver off Standalone	All WWAN Ant
State5 (DSI5)	Receiver on Standalone	All WWAN Ant
State8 (DSI8)	Receiver off Simultaneous transmission&Hotspot	All WWAN Ant
State10 (DSI10)	Receiver on Simultaneous transmission	All WWAN Ant



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Measurement of RF conducted Power

1 Conducted Power of Main Antenna (Ant0)

1.1 Conducted Power of GSM

GSM 850 state3/5/10										
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	31.91	32.01	31.99	32.50	-9.19	22.72	22.82	22.80	23.31
GPRS (GMSK)	1 TX Slot	31.57	31.98	31.98	32.50	-9.19	22.38	22.79	22.79	23.31
	2 TX Slots	29.22	29.15	29.48	30.00	-6.18	23.04	22.97	23.30	23.82
	3 TX Slots	27.71	27.78	27.42	28.50	-4.42	23.29	23.36	23.00	24.08
	4 TX Slots	26.27	26.36	26.79	27.50	-3.17	23.10	23.19	23.62	24.33
EGPRS (GMSK)	1 TX Slot	31.56	32.08	31.98	32.50	-9.19	22.37	22.89	22.79	23.31
	2 TX Slots	29.20	29.05	29.44	30.00	-6.18	23.02	22.87	23.26	23.82
	3 TX Slots	27.70	27.74	27.48	28.50	-4.42	23.28	23.32	23.06	24.08
	4 TX Slots	26.18	26.39	26.83	27.50	-3.17	23.01	23.22	23.66	24.33
EGPRS (8PSK)	1 TX Slot	26.32	26.15	26.54	27.00	-9.19	17.13	16.96	17.35	17.81
	2 TX Slots	24.01	24.21	24.33	25.00	-6.18	17.83	18.03	18.15	18.82
	3 TX Slots	22.07	22.81	22.37	23.50	-4.42	17.65	18.39	17.95	19.08
	4 TX Slots	21.05	21.62	21.42	22.50	-3.17	17.88	18.45	18.25	19.33

GSM 850 state8										
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	31.44	31.51	31.40	32.00	-9.19	22.25	22.32	22.21	22.81
GPRS (GMSK)	1 TX Slot	31.48	31.48	31.78	32.00	-9.19	22.29	22.29	22.59	22.81
	2 TX Slots	28.18	28.23	28.52	29.50	-6.18	22.00	22.05	22.34	23.32
	3 TX Slots	26.24	26.54	26.25	28.00	-4.42	21.82	22.12	21.83	23.58
	4 TX Slots	25.23	25.12	25.61	27.00	-3.17	22.06	21.95	22.44	23.83
EGPRS (GMSK)	1 TX Slot	31.58	31.49	31.74	32.00	-9.19	22.39	22.30	22.55	22.81
	2 TX Slots	28.26	28.32	28.62	29.50	-6.18	22.08	22.14	22.44	23.32
	3 TX Slots	26.34	26.47	26.30	28.00	-4.42	21.92	22.05	21.88	23.58
	4 TX Slots	25.26	25.09	25.55	27.00	-3.17	22.09	21.92	22.38	23.83
EGPRS (8PSK)	1 TX Slot	26.33	26.14	26.41	26.50	-9.19	17.14	16.95	17.22	17.31
	2 TX Slots	24.32	24.21	23.81	24.50	-6.18	18.14	18.03	17.63	18.32
	3 TX Slots	22.73	22.78	22.34	23.00	-4.42	18.31	18.36	17.92	18.58
	4 TX Slots	21.81	21.71	21.44	22.00	-3.17	18.64	18.54	18.27	18.83



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1.2 Conducted Power of WCDMA

WCDMA Band V state3/10					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.80	22.82	22.63	23.10
	12.2kbps AMR	22.86	22.86	22.56	23.10
HSDPA	Subtest 1	21.88	21.69	21.47	22.10
	Subtest 2	21.97	21.70	21.48	22.10
	Subtest 3	21.48	21.20	20.96	21.60
	Subtest 4	21.44	21.24	20.95	21.60
HSUPA	Subtest 1	21.69	21.86	21.66	22.30
	Subtest 2	19.86	19.83	19.65	20.30
	Subtest 3	20.79	20.81	20.62	21.30
	Subtest 4	19.69	19.79	19.61	20.30
	Subtest 5	21.85	21.80	21.59	22.30
DC-HSDPA	Subtest 1	21.88	21.70	21.55	22.10
	Subtest 2	22.03	21.61	21.38	22.10
	Subtest 3	21.46	21.22	21.05	21.60
	Subtest 4	21.40	21.26	20.93	21.60
HSPA+	16QAM	19.89	20.00	19.85	21.10

WCDMA Band V state5					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.30	23.27	23.07	23.60
	12.2kbps AMR	23.26	23.24	22.99	23.60
HSDPA	Subtest 1	22.45	22.24	22.01	22.60
	Subtest 2	22.48	22.29	21.99	22.60
	Subtest 3	21.97	21.75	21.49	22.10
	Subtest 4	21.99	21.76	21.49	22.10
HSUPA	Subtest 1	22.59	22.31	22.27	22.80
	Subtest 2	20.27	20.34	20.14	20.80
	Subtest 3	21.32	21.27	21.14	21.80
	Subtest 4	20.32	20.24	20.19	20.80
	Subtest 5	22.33	22.26	22.24	22.80
DC-HSDPA	Subtest 1	22.54	22.21	21.96	22.60
	Subtest 2	22.44	22.24	21.93	22.60
	Subtest 3	22.00	21.68	21.50	22.10
	Subtest 4	21.94	21.69	21.49	22.10
HSPA+	16QAM	20.51	20.46	20.39	21.60



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WCDMA Band V state8					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	21.37	21.29	21.10	21.60
	12.2kbps AMR	21.42	21.24	21.17	21.60
HSDPA	Subtest 1	20.40	20.47	20.16	20.60
	Subtest 2	20.42	20.43	20.18	20.60
	Subtest 3	19.90	19.95	19.68	20.10
	Subtest 4	19.89	19.90	19.68	20.10
HSUPA	Subtest 1	20.64	20.46	20.30	20.80
	Subtest 2	18.48	18.43	18.30	18.80
	Subtest 3	19.47	19.44	19.27	19.80
	Subtest 4	18.43	18.41	18.26	18.80
	Subtest 5	20.44	20.46	20.58	20.80
DC-HSDPA	Subtest 1	20.42	20.57	20.22	20.60
	Subtest 2	20.40	20.38	20.23	20.60
	Subtest 3	20.00	19.87	19.65	20.10
	Subtest 4	19.88	19.91	19.62	20.10
HSPA+	16QAM	18.62	18.61	18.51	19.60



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1.3 Conducted Power of LTE

LTE Band 5 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.81	22.73	22.86	23.50
		1	2	22.93	22.95	22.90	23.50
		1	5	22.75	22.73	22.48	23.50
		3	0	22.34	22.66	22.57	23.50
		3	2	22.50	22.74	22.69	23.50
		3	3	22.54	22.43	22.41	23.50
		6	0	22.51	22.61	22.54	23.00
	16QAM	1	0	22.55	22.69	22.40	23.00
		1	2	22.77	22.64	22.38	23.00
		1	5	22.58	22.93	22.75	23.00
		3	0	22.36	22.44	22.36	23.00
		3	2	22.39	22.43	22.55	23.00
		3	3	22.58	22.48	22.24	23.00
		6	0	21.30	21.51	21.13	22.00
	64QAM	1	0	21.05	21.05	21.06	22.00
		1	2	21.13	21.23	21.20	22.00
		1	5	20.84	20.98	21.01	22.00
		3	0	20.87	20.74	20.72	22.00
		3	2	20.76	21.00	20.81	22.00
		3	3	20.81	20.77	20.91	22.00
		6	0	19.83	19.81	19.94	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.53	22.72	22.87	23.50
		1	7	22.69	22.59	22.72	23.50
		1	14	22.84	22.52	22.38	23.50
		8	0	22.24	22.64	22.48	23.00
		8	4	22.41	22.58	22.42	23.00
		8	7	22.27	22.38	22.27	23.00
		15	0	22.47	22.51	22.42	23.00
	16QAM	1	0	22.74	22.87	22.55	23.00
		1	7	22.63	22.81	22.34	23.00
		1	14	22.47	22.80	22.67	23.00
		8	0	21.46	21.52	21.29	22.00
		8	4	21.43	21.48	21.44	22.00
		8	7	21.40	21.46	21.38	22.00
		15	0	21.43	21.59	21.14	22.00



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		1	0	21.18	21.22	20.98	22.00
		1	7	21.23	21.34	21.27	22.00
		1	14	20.82	20.95	21.14	22.00
	64QAM	8	0	20.02	19.83	19.86	21.00
		8	4	19.84	19.87	19.97	21.00
		8	7	19.74	19.81	19.87	21.00
		15	0	19.89	19.76	19.92	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	22.61	22.68	22.75	23.50
		1	13	22.87	22.92	22.95	23.50
		1	24	22.82	22.48	22.58	23.50
		12	0	22.43	22.68	22.60	23.00
		12	6	22.33	22.48	22.40	23.00
		12	13	22.36	22.42	22.30	23.00
		25	0	22.59	22.45	22.50	23.00
	16QAM	1	0	22.57	22.72	22.50	23.00
		1	13	22.74	22.64	22.21	23.00
		1	24	22.55	22.86	22.65	23.00
		12	0	21.43	21.48	21.51	22.00
		12	6	21.37	21.54	21.60	22.00
		12	13	21.55	21.44	21.28	22.00
		25	0	21.21	21.62	21.13	22.00
	64QAM	1	0	21.21	21.26	21.10	22.00
		1	13	21.07	21.15	21.09	22.00
		1	24	21.00	20.97	21.09	22.00
		12	0	19.84	19.84	19.84	21.00
		12	6	19.98	19.88	19.77	21.00
		12	13	19.81	19.69	19.91	21.00
		25	0	19.74	19.91	19.80	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	22.68	22.83	22.91	23.50
		1	25	22.87	23.16	22.91	23.50
		1	49	22.79	22.68	22.55	23.50
		25	0	22.40	22.64	22.60	23.00
		25	13	22.43	22.68	22.54	23.00
		25	25	22.47	22.52	22.32	23.00
		50	0	22.55	22.65	22.57	23.00
	16QAM	1	0	22.73	22.88	22.59	23.00
		1	25	22.82	22.83	22.33	23.00
		1	49	22.64	22.91	22.79	23.00
		25	0	21.47	21.54	21.48	22.00



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		25	13	21.49	21.54	21.62	22.00
		25	25	21.56	21.58	21.34	22.00
		50	0	21.41	21.65	21.15	22.00
	64QAM	1	0	21.16	21.22	21.18	22.00
		1	25	21.25	21.30	21.23	22.00
		1	49	21.02	21.02	21.12	22.00
		25	0	19.99	19.94	19.85	21.00
		25	13	19.94	19.97	19.95	21.00
		25	25	19.91	19.88	19.96	21.00
		50	0	19.87	19.96	20.00	21.00

LTE Band 5 state5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.46	23.58	23.46	24.00
		1	2	23.73	22.69	23.65	24.00
		1	5	23.72	23.50	23.57	24.00
		3	0	22.52	22.78	22.80	24.00
		3	2	22.72	22.84	22.68	24.00
		3	3	22.77	22.71	22.71	24.00
	16QAM	6	0	22.67	22.55	22.79	23.00
		1	0	22.87	22.71	22.73	23.00
		1	2	22.81	22.96	22.90	23.00
		1	5	22.93	22.74	22.58	23.00
		3	0	22.50	22.79	22.69	23.00
		3	2	22.74	22.73	22.60	23.00
	64QAM	3	3	22.58	22.54	22.60	23.00
		6	0	21.59	21.73	21.68	22.00
		1	0	21.15	20.97	20.92	22.00
		1	2	21.02	21.18	21.41	22.00
		1	5	20.81	21.01	21.01	22.00
		3	0	21.02	20.86	20.83	22.00
		3	2	20.94	20.92	20.83	22.00
		3	3	20.92	20.65	20.73	22.00
		6	0	19.97	19.89	20.13	21.00
3MHz	QPSK	1	0	23.32	23.47	23.43	24.00
		1	7	23.58	22.82	23.49	24.00
		1	14	23.56	23.54	23.38	24.00
		8	0	22.52	22.77	22.81	23.00
		8	4	22.59	22.64	22.75	23.00



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		8	7	22.74	22.72	22.63	23.00
		15	0	22.59	22.58	22.57	23.00
	16QAM	1	0	22.83	22.83	22.83	23.00
		1	7	22.89	22.79	22.98	23.00
		1	14	22.75	22.72	22.53	23.00
		8	0	21.45	21.59	21.82	22.00
		8	4	21.65	21.74	21.65	22.00
		8	7	21.72	21.54	21.43	22.00
		15	0	21.58	21.67	21.52	22.00
	64QAM	1	0	21.35	21.12	21.06	22.00
		1	7	21.15	21.00	21.20	22.00
		1	14	20.78	21.15	21.03	22.00
		8	0	20.05	19.84	19.65	21.00
		8	4	19.84	19.88	19.59	21.00
		8	7	19.81	19.77	19.49	21.00
		15	0	19.92	19.91	19.97	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.25	23.58	23.42	24.00
		1	13	23.57	23.65	23.62	24.00
		1	24	23.60	23.69	23.49	24.00
		12	0	22.54	22.74	22.76	23.00
		12	6	22.54	22.85	22.59	23.00
		12	13	22.73	22.49	22.66	23.00
		25	0	22.67	22.69	22.70	23.00
	16QAM	1	0	22.85	22.59	22.96	23.00
		1	13	22.99	22.98	23.00	23.00
		1	24	22.95	22.91	22.70	23.00
		12	0	21.37	21.79	21.70	22.00
		12	6	21.60	21.64	21.51	22.00
		12	13	21.68	21.70	21.52	22.00
		25	0	21.76	21.73	21.75	22.00
	64QAM	1	0	21.24	21.21	20.87	22.00
		1	13	20.96	21.17	21.42	22.00
		1	24	20.85	21.05	20.86	22.00
		12	0	20.00	19.74	19.84	21.00
		12	6	19.77	19.86	19.68	21.00
		12	13	19.85	19.71	19.56	21.00
		25	0	20.02	19.79	19.98	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.45	23.56	23.58	24.00
		1	25	23.70	23.91	23.61	24.00



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		1	49	23.73	23.67	23.55	24.00
		25	0	22.58	22.80	22.79	23.00
		25	13	22.67	22.84	22.73	23.00
		25	25	22.76	22.68	22.61	23.00
		50	0	22.64	22.71	22.77	23.00
	16QAM	1	0	22.88	22.79	22.91	23.00
		1	25	22.99	22.95	22.95	23.00
		1	49	22.94	22.92	22.68	23.00
		25	0	21.53	21.75	21.77	22.00
		25	13	21.71	21.76	21.68	22.00
		25	25	21.72	21.67	21.58	22.00
		50	0	21.72	21.70	21.72	22.00
	64QAM	1	0	21.34	21.17	21.06	22.00
		1	25	21.11	21.13	21.38	22.00
		1	49	20.88	21.17	21.01	22.00
		25	0	20.09	19.86	19.80	21.00
		25	13	19.96	20.05	19.78	21.00
		25	25	19.94	19.78	19.68	21.00
		50	0	20.00	19.90	20.10	21.00

LTE Band 5 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	21.32	21.40	21.48	22.00
		1	2	21.25	21.53	21.46	22.00
		1	5	21.23	21.51	21.23	22.00
		3	0	21.54	21.49	21.57	22.00
		3	2	21.51	21.70	21.50	22.00
		3	3	21.32	21.64	21.45	22.00
	16QAM	6	0	21.26	21.39	21.32	22.00
		1	0	21.45	21.54	21.61	22.00
		1	2	21.56	21.68	21.68	22.00
		1	5	21.73	21.59	21.53	22.00
		3	0	21.50	21.40	21.35	22.00
		3	2	21.33	21.57	21.32	22.00
		3	3	21.37	21.46	21.16	22.00
		6	0	21.46	21.53	21.37	22.00
	64QAM	1	0	21.76	21.69	21.74	22.00
		1	2	21.57	21.61	21.64	22.00
		1	5	21.57	21.71	21.39	22.00
		3	0	21.55	21.32	21.53	22.00



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		3	2	21.51	21.73	21.60	22.00
		3	3	21.32	21.63	21.29	22.00
		6	0	20.63	20.58	20.44	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	21.50	21.32	21.48	22.00
		1	7	21.32	21.56	21.46	22.00
		1	14	21.24	21.42	21.24	22.00
		8	0	21.43	21.43	21.24	22.00
		8	4	21.27	21.49	21.31	22.00
		8	7	21.43	21.61	21.27	22.00
		15	0	21.31	21.29	21.38	22.00
	16QAM	1	0	21.36	21.69	21.70	22.00
		1	7	21.68	21.84	21.82	22.00
		1	14	21.60	21.58	21.60	22.00
		8	0	21.44	21.40	21.52	22.00
		8	4	21.55	21.56	21.43	22.00
		8	7	21.48	21.62	21.38	22.00
		15	0	21.30	21.44	21.39	22.00
	64QAM	1	0	21.64	21.58	21.78	22.00
		1	7	21.47	21.78	21.58	22.00
		1	14	21.48	21.69	21.19	22.00
		8	0	20.58	20.36	20.59	21.00
		8	4	20.60	20.73	20.48	21.00
		8	7	20.50	20.50	20.46	21.00
		15	0	20.66	20.64	20.59	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	21.49	21.47	21.45	22.00
		1	13	21.32	21.47	21.43	22.00
		1	24	21.33	21.40	21.08	22.00
		12	0	21.23	21.43	21.39	22.00
		12	6	21.31	21.61	21.47	22.00
		12	13	21.39	21.50	21.37	22.00
		25	0	21.21	21.47	21.50	22.00
	16QAM	1	0	21.50	21.77	21.69	22.00
		1	13	21.59	21.74	21.68	22.00
		1	24	21.64	21.69	21.40	22.00
		12	0	21.37	21.57	21.53	22.00
		12	6	21.57	21.69	21.42	22.00
		12	13	21.39	21.43	21.35	22.00
		25	0	21.41	21.49	21.45	22.00
	64QAM	1	0	21.78	21.56	21.67	22.00



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		1	13	21.44	21.85	21.79	22.00
		1	24	21.53	21.51	21.17	22.00
		12	0	20.41	20.52	20.44	21.00
		12	6	20.61	20.74	20.46	21.00
		12	13	20.50	20.62	20.41	21.00
		25	0	20.59	20.72	20.53	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	21.46	21.50	21.48	22.00
		1	25	21.32	21.64	21.47	22.00
		1	49	21.40	21.49	21.26	22.00
		25	0	21.40	21.57	21.43	22.00
		25	13	21.44	21.60	21.46	22.00
		25	25	21.41	21.56	21.35	22.00
		50	0	21.38	21.49	21.47	22.00
	16QAM	1	0	21.46	21.73	21.75	22.00
		1	25	21.68	21.79	21.81	22.00
		1	49	21.74	21.65	21.58	22.00
		25	0	21.46	21.54	21.55	22.00
		25	13	21.52	21.66	21.52	22.00
		25	25	21.52	21.60	21.33	22.00
		50	0	21.47	21.56	21.47	22.00
	64QAM	1	0	21.74	21.69	21.79	22.00
		1	25	21.62	21.80	21.74	22.00
		1	49	21.65	21.68	21.37	22.00
		25	0	20.57	20.51	20.63	21.00
		25	13	20.68	20.70	20.62	21.00
		25	25	20.47	20.61	20.41	21.00
		50	0	20.61	20.69	20.60	21.00

LTE Band 5 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.24	22.40	22.58	23.00
		1	2	22.51	22.48	22.44	23.00
		1	5	22.27	22.58	22.16	23.00
		3	0	22.48	22.80	22.70	23.00
		3	2	22.65	22.52	22.48	23.00
		3	3	22.46	22.70	22.32	23.00
		6	0	22.44	22.54	22.62	23.00
	16QAM	1	0	22.78	22.81	22.76	23.00



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		1	2	22.79	22.83	22.86	23.00
		1	5	22.87	22.74	22.06	23.00
		3	0	21.45	21.48	21.50	23.00
		3	2	21.50	21.60	21.46	23.00
		3	3	21.61	21.72	21.59	23.00
		6	0	21.30	21.49	21.50	22.00
	64QAM	1	0	20.88	21.11	20.96	22.00
		1	2	21.07	21.16	21.07	22.00
		1	5	20.89	20.96	21.23	22.00
		3	0	20.98	21.06	21.10	22.00
		3	2	20.96	20.77	21.00	22.00
		3	3	20.68	21.12	20.87	22.00
		6	0	19.64	19.69	19.94	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.31	22.48	22.48	23.00
		1	7	22.50	22.61	22.49	23.00
		1	14	22.33	22.45	22.21	23.00
		8	0	22.43	22.46	22.65	23.00
		8	4	22.62	22.40	22.57	23.00
		8	7	22.43	22.44	22.37	23.00
		15	0	22.45	22.58	22.63	23.00
	16QAM	1	0	22.55	22.78	22.81	23.00
		1	7	22.68	22.82	22.86	23.00
		1	14	22.84	22.79	22.06	23.00
		8	0	21.36	21.61	21.53	22.00
		8	4	21.41	21.66	21.56	22.00
		8	7	21.44	21.69	21.67	22.00
		15	0	21.51	21.60	21.55	22.00
	64QAM	1	0	20.84	21.20	20.88	22.00
		1	7	21.15	21.25	21.06	22.00
		1	14	20.80	21.00	21.01	22.00
		8	0	19.97	19.87	19.91	21.00
		8	4	19.93	19.85	19.96	21.00
		8	7	19.76	19.97	20.00	21.00
		15	0	19.71	19.80	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	22.35	22.56	22.58	23.00
		1	13	22.29	22.45	22.42	23.00
		1	24	22.51	22.59	22.24	23.00
		12	0	22.23	22.51	22.62	23.00
		12	6	22.74	22.60	22.56	23.00



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		12	13	22.35	22.56	22.37	23.00
		25	0	22.33	22.59	22.40	23.00
	16QAM	1	0	22.61	22.83	22.94	23.00
		1	13	22.68	22.81	22.70	23.00
		1	24	22.76	22.73	22.03	23.00
		12	0	21.30	21.54	21.51	22.00
		12	6	21.34	21.47	21.41	22.00
		12	13	21.54	21.67	21.60	22.00
		25	0	21.29	21.48	21.61	22.00
	64QAM	1	0	20.84	21.11	20.89	22.00
		1	13	21.18	21.16	21.16	22.00
		1	24	20.78	21.00	21.26	22.00
		12	0	19.97	19.91	20.13	21.00
		12	6	19.91	19.71	20.00	21.00
		12	13	19.83	20.06	20.08	21.00
		25	0	19.58	19.67	19.83	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	22.35	22.53	22.59	23.00
		1	25	22.46	22.64	22.49	23.00
		1	49	22.47	22.54	22.36	23.00
		25	0	22.43	22.65	22.67	23.00
		25	13	22.70	22.56	22.58	23.00
		25	25	22.48	22.63	22.40	23.00
		50	0	22.53	22.59	22.59	23.00
	16QAM	1	0	22.75	22.87	22.90	23.00
		1	25	22.88	22.97	22.87	23.00
		1	49	22.83	22.91	22.19	23.00
		25	0	21.42	21.64	21.60	22.00
		25	13	21.49	21.65	21.55	22.00
		25	25	21.57	21.69	21.70	22.00
		50	0	21.47	21.65	21.66	22.00
	64QAM	1	0	21.03	21.20	21.02	22.00
		1	25	21.16	21.26	21.20	22.00
		1	49	20.98	21.02	21.21	22.00
		25	0	20.02	20.04	20.11	21.00
		25	13	20.10	19.90	20.13	21.00
		25	25	19.85	20.07	20.06	21.00
		50	0	19.77	19.82	19.95	21.00

LTE FDD Band 12 state3/5/8/10

Conducted Power(dBm)



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.74	23.74	23.81	24.50
		1	2	23.74	23.74	23.72	24.50
		1	5	23.75	23.80	23.79	24.50
		3	0	23.80	23.93	23.85	24.50
		3	2	23.77	23.95	23.92	24.50
		3	3	23.93	23.97	23.86	24.50
		6	0	22.79	22.79	22.71	23.50
	16QAM	1	0	22.44	22.52	22.61	23.50
		1	2	22.30	22.35	22.35	23.50
		1	5	22.24	22.30	22.23	23.50
		3	0	22.61	22.36	22.56	23.50
		3	2	22.50	22.39	22.67	23.50
		3	3	22.65	22.52	22.42	23.50
		6	0	21.97	21.90	21.74	22.50
	64QAM	1	0	21.09	21.27	21.00	22.50
		1	2	21.14	21.41	21.23	22.50
		1	5	21.19	21.24	21.15	22.50
		3	0	21.19	21.10	21.19	22.50
		3	2	21.25	21.37	21.11	22.50
		3	3	21.28	21.19	21.05	22.50
		6	0	20.28	20.06	20.09	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.90	23.96	23.74	24.50
		1	7	23.93	23.69	23.78	24.50
		1	14	23.86	23.85	23.89	24.50
		8	0	22.88	22.94	22.90	23.50
		8	4	22.95	22.78	22.78	23.50
		8	7	22.86	22.80	22.81	23.50
		15	0	22.71	22.81	22.90	23.50
	16QAM	1	0	22.59	22.44	22.49	23.50
		1	7	22.20	22.41	22.33	23.50
		1	14	22.09	22.42	22.12	23.50
		8	0	21.76	21.70	21.85	22.50
		8	4	21.81	21.67	21.81	22.50
		8	7	21.95	21.86	21.76	22.50
		15	0	21.84	21.93	21.87	22.50
	64QAM	1	0	21.05	21.14	21.09	22.50
		1	7	21.14	21.30	21.25	22.50
		1	14	21.38	21.27	21.17	22.50
		8	0	20.10	20.23	20.05	21.50



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		8	4	20.06	20.30	20.30	21.50
		8	7	20.35	20.12	20.28	21.50
		15	0	20.24	20.22	20.18	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.92	23.79	23.84	24.50
		1	13	23.95	23.74	23.67	24.50
		1	24	23.68	23.82	23.75	24.50
		12	0	22.82	23.00	22.74	23.50
		12	6	22.78	22.82	22.90	23.50
		12	13	22.89	22.74	22.81	23.50
		25	0	22.90	22.86	22.74	23.50
	16QAM	1	0	22.63	22.52	22.41	23.50
		1	13	22.23	22.27	22.42	23.50
		1	24	22.12	22.31	22.24	23.50
		12	0	21.77	21.76	21.76	22.50
		12	6	21.95	21.70	21.92	22.50
		12	13	21.83	21.86	21.89	22.50
		25	0	21.92	21.88	21.67	22.50
	64QAM	1	0	21.03	21.10	21.03	22.50
		1	13	21.22	21.22	21.36	22.50
		1	24	21.39	21.31	21.06	22.50
		12	0	19.96	20.18	20.08	21.50
		12	6	20.10	20.24	20.33	21.50
		12	13	20.15	20.15	20.04	21.50
		25	0	20.25	20.27	20.24	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.89	23.93	23.81	24.50
		1	25	23.90	23.89	23.84	24.50
		1	49	23.86	23.90	23.91	24.50
		25	0	22.93	22.95	22.92	23.50
		25	13	22.91	22.92	22.90	23.50
		25	25	22.92	22.92	22.94	23.50
		50	0	22.89	22.90	22.91	23.50
	16QAM	1	0	22.58	22.57	22.61	23.50
		1	25	22.38	22.46	22.46	23.50
		1	49	22.28	22.37	22.28	23.50
		25	0	21.87	21.86	21.93	22.50
		25	13	21.95	21.79	21.96	22.50
		25	25	21.99	21.96	21.88	22.50
		50	0	21.98	21.92	21.87	22.50
	64QAM	1	0	21.18	21.26	21.18	22.50



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		1	25	21.28	21.36	21.38	22.50
		1	49	21.37	21.30	21.24	22.50
		25	0	20.14	20.23	20.20	21.50
		25	13	20.25	20.32	20.28	21.50
		25	25	20.31	20.21	20.23	21.50
		50	0	20.26	20.25	20.25	21.50

LTE FDD Band 17 state3/5/8/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	23.75	23.64	23.50	24.50
		1	13	23.83	23.87	23.69	24.50
		1	24	23.89	23.66	23.68	24.50
		12	0	22.88	22.82	22.71	23.50
		12	6	22.74	22.84	22.67	23.50
		12	13	22.74	22.72	22.77	23.50
		25	0	22.87	22.92	22.68	23.50
	16QAM	1	0	22.37	22.31	22.38	23.50
		1	13	22.64	22.37	22.58	23.50
		1	24	22.34	22.42	22.45	23.50
		12	0	21.60	21.74	21.86	22.50
		12	6	21.90	21.80	21.60	22.50
		12	13	21.77	21.97	21.89	22.50
		25	0	21.78	21.93	21.75	22.50
	64QAM	1	0	21.34	21.39	21.30	22.50
		1	13	21.31	21.19	21.43	22.50
		1	24	21.27	21.32	21.20	22.50
		12	0	20.09	20.12	20.08	21.50
		12	6	20.28	20.07	20.17	21.50
		12	13	20.30	19.98	20.14	21.50
		25	0	20.11	20.19	20.15	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	23.93	23.80	23.68	24.50
		1	25	23.83	23.99	23.82	24.50
		1	49	23.97	23.77	23.84	24.50
		25	0	22.89	22.88	22.89	23.50



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		25	13	22.93	22.95	22.87	23.50
		25	25	22.88	22.88	22.82	23.50
		50	0	22.91	22.98	22.87	23.50
	16QAM	1	0	22.51	22.45	22.48	23.50
		1	25	22.67	22.56	22.57	23.50
		1	49	22.41	22.38	22.51	23.50
		25	0	21.78	21.81	21.92	22.50
		25	13	21.97	21.95	21.79	22.50
		25	25	21.93	21.93	21.92	22.50
		50	0	21.93	21.98	21.82	22.50
	64QAM	1	0	21.30	21.35	21.35	22.50
		1	25	21.42	21.36	21.49	22.50
		1	49	21.24	21.39	21.40	22.50
		25	0	20.08	20.13	20.03	21.50
		25	13	20.31	20.17	20.06	21.50
		25	25	20.29	20.16	20.26	21.50
		50	0	20.17	20.18	20.27	21.50

LTE Band 26 state3/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	23.29	23.57	23.73	24.00
		1	2	23.29	23.66	23.56	24.00
		1	5	23.12	23.40	23.37	24.00
		3	0	23.48	23.50	23.53	24.00
		3	2	23.45	23.59	23.55	24.00
		3	3	23.46	23.49	23.44	24.00
		6	0	22.49	22.41	22.44	23.00
	16QAM	1	0	22.79	22.69	22.77	23.00
		1	2	22.84	22.66	22.45	23.00
		1	5	22.35	22.52	22.40	23.00
		3	0	22.40	22.46	22.50	23.00
		3	2	22.48	22.42	22.48	23.00
		3	3	22.40	22.53	22.45	23.00
		6	0	21.51	21.42	21.44	22.00
	64QAM	1	0	20.93	20.81	20.93	22.00
		1	2	21.38	21.11	21.44	22.00
		1	5	21.04	20.99	20.87	22.00
		3	0	21.00	20.83	21.13	22.00
		3	2	20.71	20.89	20.72	22.00
		3	3	20.96	20.84	20.88	22.00



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		6	0	20.00	19.80	19.73	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.26	23.57	23.73	24.00
		1	7	23.25	23.68	23.59	24.00
		1	14	23.27	23.42	23.33	24.00
		8	0	22.34	22.51	22.52	23.00
		8	4	22.47	22.46	22.56	23.00
		8	7	22.23	22.40	22.40	23.00
		15	0	22.46	22.55	22.37	23.00
	16QAM	1	0	22.64	22.84	22.57	23.00
		1	7	22.72	22.63	22.29	23.00
		1	14	22.36	22.54	22.45	23.00
		8	0	21.34	21.45	21.47	22.00
		8	4	21.48	21.29	21.55	22.00
		8	7	21.40	21.42	21.57	22.00
		15	0	21.57	21.51	21.53	22.00
	64QAM	1	0	20.83	20.81	20.95	22.00
		1	7	21.47	21.12	21.32	22.00
		1	14	21.05	21.02	20.88	22.00
		8	0	20.03	19.80	20.04	21.00
		8	4	19.85	19.91	19.77	21.00
		8	7	20.03	19.96	19.76	21.00
		15	0	19.88	19.91	19.76	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	23.38	23.67	23.65	24.00
		1	13	23.38	23.68	23.70	24.00
		1	24	23.23	23.43	23.33	24.00
		12	0	22.40	22.56	22.47	23.00
		12	6	22.41	22.45	22.44	23.00
		12	13	22.29	22.39	22.40	23.00
		25	0	22.48	22.52	22.52	23.00
	16QAM	1	0	22.65	22.81	22.68	23.00
		1	13	22.74	22.71	22.47	23.00
		1	24	22.45	22.50	22.55	23.00
		12	0	21.22	21.35	21.49	22.00
		12	6	21.47	21.35	21.45	22.00
		12	13	21.47	21.54	21.55	22.00
		25	0	21.63	21.57	21.41	22.00
	64QAM	1	0	20.88	20.81	20.92	22.00
		1	13	21.38	21.11	21.26	22.00
		1	24	20.92	20.87	20.86	22.00



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		12	0	19.97	19.83	20.15	21.00
		12	6	19.77	19.82	19.80	21.00
		12	13	19.91	19.81	19.83	21.00
		25	0	20.00	19.87	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	23.24	23.61	23.66	24.00
		1	25	23.42	23.66	23.67	24.00
		1	49	23.16	23.44	23.43	24.00
		25	0	22.35	22.43	22.44	23.00
		25	13	22.40	22.40	22.56	23.00
		25	25	22.39	22.55	22.48	23.00
	16QAM	50	0	22.53	22.45	22.36	23.00
		1	0	22.74	22.76	22.67	23.00
		1	25	22.75	22.80	22.40	23.00
		1	49	22.52	22.61	22.37	23.00
		25	0	21.30	21.32	21.47	22.00
		25	13	21.36	21.38	21.55	22.00
	64QAM	25	25	21.50	21.45	21.52	22.00
		50	0	21.49	21.49	21.55	22.00
		1	0	20.83	20.67	20.98	22.00
		1	25	21.42	21.11	21.37	22.00
		1	49	20.87	20.90	20.73	22.00
		25	0	20.07	19.80	20.18	21.00
15MHz	QPSK	25	13	19.70	19.75	19.83	21.00
		25	25	19.98	19.93	19.76	21.00
		50	0	19.97	19.77	19.76	21.00
	16QAM	1	0	23.37	23.62	23.70	24.00
		1	38	23.39	23.76	23.70	24.00
		1	74	23.24	23.46	23.38	24.00
		36	0	22.44	22.56	22.50	23.00
		36	18	22.53	22.54	22.53	23.00
		36	39	22.34	22.53	22.52	23.00
	16QAM	75	0	22.52	22.56	22.47	23.00
		1	0	22.75	22.80	22.72	23.00
		1	38	22.81	22.78	22.42	23.00
		1	74	22.48	22.61	22.52	23.00
		36	0	21.31	21.43	21.48	22.00
		36	18	21.51	21.44	21.51	22.00
		36	39	21.50	21.51	21.54	22.00
		75	0	21.60	21.55	21.50	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	



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64QAM	1	0	20.97	20.82	21.07	22.00
	1	38	21.51	21.17	21.41	22.00
	1	74	21.00	20.98	20.83	22.00
	36	0	20.06	19.89	20.14	21.00
	36	18	19.85	19.88	19.83	21.00
	36	39	20.04	19.92	19.86	21.00
	75	0	19.96	19.90	19.79	21.00

LTE Band 26 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	21.95	21.81	21.99	22.50
		1	2	21.75	22.26	22.10	22.50
		1	5	21.75	21.83	21.77	22.50
		3	0	22.02	22.02	22.13	22.50
		3	2	22.04	22.04	22.11	22.50
		3	3	21.98	22.00	21.98	22.50
		6	0	22.05	22.09	22.14	22.50
	16QAM	1	0	22.17	21.92	22.13	22.50
		1	2	21.93	22.21	21.99	22.50
		1	5	22.03	21.98	21.90	22.50
		3	0	21.84	21.86	21.90	22.50
		3	2	21.91	21.68	21.81	22.50
		3	3	21.65	21.90	21.73	22.50
		6	0	21.56	21.65	21.44	22.00
	64QAM	1	0	20.84	20.84	20.99	22.00
		1	2	21.39	21.35	21.37	22.00
		1	5	20.72	20.84	20.77	22.00
		3	0	20.86	20.91	21.15	22.00
		3	2	20.86	20.62	20.85	22.00
		3	3	21.15	20.95	21.04	22.00
		6	0	20.10	19.90	19.84	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	22.26	21.91	21.89	22.50
		1	7	21.74	22.19	22.15	22.50
		1	14	21.88	21.85	21.68	22.50
		8	0	22.01	22.01	22.11	22.50
		8	4	21.96	22.03	22.12	22.50
		8	7	21.97	21.96	21.87	22.50
		15	0	21.97	21.96	22.15	22.50



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		1	0	22.11	21.90	22.18	22.50
		1	7	21.99	22.25	21.90	22.50
		1	14	21.87	21.98	21.86	22.50
	16QAM	8	0	21.53	21.64	21.57	22.00
		8	4	21.49	21.44	21.61	22.00
		8	7	21.50	21.65	21.41	22.00
		15	0	21.43	21.57	21.46	22.00
		1	0	20.91	20.92	20.92	22.00
		1	7	21.39	21.37	21.37	22.00
		1	14	20.74	20.99	20.80	22.00
	64QAM	8	0	20.01	19.96	20.07	21.00
		8	4	19.81	19.74	19.82	21.00
		8	7	20.07	19.81	20.06	21.00
		15	0	19.92	19.85	19.80	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
		1	0	22.05	21.81	21.81	22.50
		1	13	21.94	22.24	22.20	22.50
		1	24	21.95	21.73	21.61	22.50
	QPSK	12	0	21.97	22.04	22.07	22.50
		12	6	21.97	22.06	22.10	22.50
		12	13	22.05	21.95	21.98	22.50
		25	0	22.02	22.14	22.05	22.50
		1	0	22.27	21.98	22.26	22.50
		1	13	21.96	22.15	21.94	22.50
		1	24	22.02	22.16	21.93	22.50
	16QAM	12	0	21.47	21.67	21.61	22.00
		12	6	21.57	21.48	21.57	22.00
		12	13	21.35	21.64	21.40	22.00
		25	0	21.45	21.59	21.55	22.00
		1	0	20.91	20.93	20.96	22.00
		1	13	21.30	21.22	21.42	22.00
		1	24	20.85	20.91	20.78	22.00
	64QAM	12	0	19.98	20.01	20.14	21.00
		12	6	19.81	19.69	19.93	21.00
		12	13	20.02	19.97	20.04	21.00
		25	0	19.94	19.94	19.79	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
		1	0	22.08	21.92	21.99	22.50
		1	25	21.80	22.06	22.09	22.50
	QPSK	1	49	21.80	21.74	21.66	22.50
		25	0	22.14	22.15	22.05	22.50



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		25	13	22.09	22.11	22.06	22.50
		25	25	22.03	21.97	21.93	22.50
		50	0	22.14	21.97	22.09	22.50
	16QAM	1	0	22.17	21.87	22.26	22.50
		1	25	21.98	22.22	21.91	22.50
		1	49	22.03	22.00	22.01	22.50
		25	0	21.56	21.60	21.53	22.00
		25	13	21.57	21.49	21.66	22.00
		25	25	21.39	21.54	21.52	22.00
		50	0	21.42	21.52	21.56	22.00
	64QAM	1	0	20.81	21.01	20.99	22.00
		1	25	21.41	21.38	21.38	22.00
		1	49	20.82	20.88	20.71	22.00
		25	0	19.91	20.02	20.00	21.00
		25	13	19.76	19.80	19.93	21.00
		25	25	20.12	19.92	20.07	21.00
		50	0	19.95	19.87	19.89	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	22.05	21.89	21.95	22.50
		1	38	21.89	22.21	22.19	22.50
		1	74	21.90	21.86	21.75	22.50
		36	0	22.09	22.16	22.10	22.50
		36	18	22.06	22.09	22.10	22.50
		36	39	22.06	22.04	21.99	22.50
		75	0	22.11	22.11	22.20	22.50
	16QAM	1	0	22.13	22.01	22.27	22.50
		1	38	22.00	22.38	22.05	22.50
		1	74	22.01	22.13	22.01	22.50
		36	0	21.51	21.63	21.63	22.00
		36	18	21.64	21.49	21.64	22.00
		36	39	21.50	21.67	21.53	22.00
		75	0	21.56	21.62	21.57	22.00
	64QAM	1	0	20.87	20.98	21.03	22.00
		1	38	21.44	21.35	21.42	22.00
		1	74	20.83	20.95	20.82	22.00
		36	0	19.97	20.02	20.10	21.00
		36	18	19.90	19.77	19.92	21.00
		36	39	20.11	19.93	20.06	21.00
		75	0	20.05	19.98	19.85	21.00

LTE Band 26 state10

Conducted Power(dBm)



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	22.70	22.56	22.35	23.50
		1	2	22.83	22.83	22.86	23.50
		1	5	22.64	22.77	22.89	23.50
		3	0	22.78	22.83	22.89	23.50
		3	2	22.79	22.65	22.78	23.50
		3	3	22.72	22.63	22.80	23.50
		6	0	22.58	22.51	22.75	23.00
	16QAM	1	0	22.32	22.50	22.65	23.00
		1	2	22.93	22.64	22.56	23.00
		1	5	22.91	22.50	22.46	23.00
		3	0	22.43	22.45	22.46	23.00
		3	2	22.51	22.67	22.50	23.00
		3	3	22.46	22.51	22.43	23.00
		6	0	21.48	21.55	21.58	22.00
	64QAM	1	0	20.70	20.86	20.80	22.00
		1	2	21.50	21.19	21.31	22.00
		1	5	20.71	20.74	21.01	22.00
		3	0	20.76	21.00	20.99	22.00
		3	2	21.01	20.90	20.78	22.00
		3	3	20.98	20.71	20.80	22.00
		6	0	19.90	19.89	19.83	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	22.58	22.39	22.47	23.50
		1	7	22.79	22.85	22.81	23.50
		1	14	22.81	22.71	23.11	23.50
		8	0	22.38	22.60	22.51	23.00
		8	4	22.43	22.40	22.58	23.00
		8	7	22.44	22.60	22.53	23.00
		15	0	22.47	22.61	22.54	23.00
	16QAM	1	0	22.37	22.53	22.89	23.00
		1	7	22.70	22.55	22.64	23.00
		1	14	22.78	22.55	22.43	23.00
		8	0	21.45	21.41	21.34	22.00
		8	4	21.46	21.54	21.65	22.00
		8	7	21.38	21.71	21.64	22.00
		15	0	21.65	21.45	21.55	22.00
	64QAM	1	0	20.78	20.90	20.64	22.00
		1	7	21.43	21.12	21.24	22.00
		1	14	20.74	20.76	21.07	22.00



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		8	0	20.00	19.81	19.93	21.00
		8	4	19.96	19.75	19.82	21.00
		8	7	19.96	19.78	19.94	21.00
		15	0	19.81	19.83	19.90	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	22.74	22.30	22.50	23.50
		1	13	22.82	22.87	22.87	23.50
		1	24	22.86	22.64	23.04	23.50
		12	0	22.44	22.62	22.50	23.00
		12	6	22.64	22.38	22.55	23.00
		12	13	22.55	22.50	22.42	23.00
		25	0	22.59	22.66	22.75	23.00
	16QAM	1	0	22.48	22.44	22.75	23.00
		1	13	22.72	22.46	22.60	23.00
		1	24	22.88	22.63	22.46	23.00
		12	0	21.35	21.35	21.49	22.00
		12	6	21.37	21.67	21.66	22.00
		12	13	21.53	21.71	21.52	22.00
		25	0	21.61	21.53	21.48	22.00
	64QAM	1	0	20.78	20.78	20.85	22.00
		1	13	21.48	20.98	21.21	22.00
		1	24	20.83	20.80	20.95	22.00
		12	0	19.96	19.92	19.94	21.00
		12	6	19.99	19.90	19.77	21.00
		12	13	19.90	19.79	19.93	21.00
		25	0	19.72	19.95	19.76	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	22.63	22.86	22.33	23.50
		1	25	22.72	22.85	22.79	23.50
		1	49	22.78	22.79	22.69	23.50
		25	0	22.37	22.64	22.52	23.00
		25	13	22.53	22.37	22.69	23.00
		25	25	22.52	22.55	22.56	23.00
		50	0	22.66	22.66	22.63	23.00
	16QAM	1	0	22.30	22.35	22.83	23.00
		1	25	22.76	22.64	22.73	23.00
		1	49	22.75	22.62	22.41	23.00
		25	0	21.30	21.54	21.28	22.00
		25	13	21.57	21.52	21.47	22.00
		25	25	21.51	21.50	21.47	22.00
		50	0	21.49	21.52	21.68	22.00



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		1	0	20.67	20.86	20.72	22.00
		1	25	21.38	20.97	21.23	22.00
		1	49	20.79	20.74	21.17	22.00
	64QAM	25	0	19.81	19.93	20.17	21.00
		25	13	19.95	19.88	19.89	21.00
		25	25	20.09	19.64	19.86	21.00
		50	0	19.71	19.77	19.84	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	22.77	22.89	22.53	23.50
		1	38	22.90	23.03	22.87	23.50
		1	74	22.82	22.75	23.07	23.50
		36	0	22.54	22.69	22.61	23.00
		36	18	22.62	22.49	22.67	23.00
		36	39	22.61	22.61	22.52	23.00
		75	0	22.62	22.66	22.71	23.00
	16QAM	1	0	22.49	22.52	22.84	23.00
		1	38	22.90	22.59	22.71	23.00
		1	74	22.88	22.62	22.61	23.00
		36	0	21.47	21.53	21.47	22.00
		36	18	21.54	21.64	21.62	22.00
		36	39	21.56	21.70	21.60	22.00
		75	0	21.60	21.57	21.66	22.00
	64QAM	1	0	20.79	20.90	20.82	22.00
		1	38	21.50	21.15	21.26	22.00
		1	74	20.90	20.78	21.15	22.00
		36	0	19.95	19.99	20.12	21.00
		36	18	19.97	19.91	19.95	21.00
		36	39	20.05	19.76	19.96	21.00
		75	0	19.90	19.90	19.86	21.00



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2 Conducted Power of Main Antenna (Ant1)

2.1 Conducted Power of GSM

GSM 850 state3/5										
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	32.35	32.40	32.55	33.00	-9.19	23.16	23.21	23.36	23.81
GPRS (GMSK)	1 TX Slot	32.34	32.33	32.58	33.00	-9.19	23.15	23.14	23.39	23.81
	2 TX Slots	29.30	29.24	29.43	30.50	-6.18	23.12	23.06	23.25	24.32
	3 TX Slots	27.53	27.43	27.43	29.00	-4.42	23.11	23.01	23.01	24.58
	4 TX Slots	26.23	26.23	26.54	28.00	-3.17	23.06	23.06	23.37	24.83
EGPRS (GMSK)	1 TX Slot	32.36	32.38	32.57	33.00	-9.19	23.17	23.19	23.38	23.81
	2 TX Slots	29.38	29.26	29.45	30.50	-6.18	23.20	23.08	23.27	24.32
	3 TX Slots	27.57	27.38	27.42	29.00	-4.42	23.15	22.96	23.00	24.58
	4 TX Slots	26.21	26.12	26.38	28.00	-3.17	23.04	22.95	23.21	24.83
EGPRS (8PSK)	1 TX Slot	27.23	26.97	27.31	28.00	-9.19	18.04	17.78	18.12	18.81
	2 TX Slots	25.35	24.81	25.37	26.00	-6.18	19.17	18.63	19.19	19.82
	3 TX Slots	23.90	23.32	23.61	24.50	-4.42	19.48	18.90	19.19	20.08
	4 TX Slots	22.69	22.30	22.72	23.50	-3.17	19.52	19.13	19.55	20.33

GSM 850 state8										
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	30.71	31.32	30.83	31.50	-9.19	21.52	22.13	21.64	22.31
GPRS (GMSK)	1 TX Slot	30.65	31.24	30.80	31.50	-9.19	21.46	22.05	21.61	22.31
	2 TX Slots	27.89	27.82	28.39	29.00	-6.18	21.71	21.64	22.21	22.82
	3 TX Slots	26.30	26.14	25.93	27.50	-4.42	21.88	21.72	21.51	23.08
	4 TX Slots	24.63	25.03	25.08	26.50	-3.17	21.46	21.86	21.91	23.33
EGPRS (GMSK)	1 TX Slot	30.73	31.28	30.85	31.50	-9.19	21.54	22.09	21.66	22.31
	2 TX Slots	27.89	27.72	28.44	29.00	-6.18	21.71	21.54	22.26	22.82
	3 TX Slots	26.35	26.07	26.00	27.50	-4.42	21.93	21.65	21.58	23.08
	4 TX Slots	24.64	25.05	25.10	26.50	-3.17	21.47	21.88	21.93	23.33
EGPRS (8PSK)	1 TX Slot	27.25	27.08	27.26	28.00	-9.19	18.06	17.89	18.07	18.81
	2 TX Slots	24.94	24.96	25.22	26.00	-6.18	18.76	18.78	19.04	19.82
	3 TX Slots	23.17	23.36	23.23	24.50	-4.42	18.75	18.94	18.81	20.08
	4 TX Slots	21.85	22.38	22.17	23.50	-3.17	18.68	19.21	19.00	20.33



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GSM 850 state10										
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	31.48	31.44	30.95	32.00	-9.19	22.29	22.25	21.76	22.81
GPRS (GMSK)	1 TX Slot	31.54	31.36	30.86	32.00	-9.19	22.35	22.17	21.67	22.81
	2 TX Slots	28.23	28.60	28.72	29.50	-6.18	22.05	22.42	22.54	23.32
	3 TX Slots	26.44	26.24	26.77	28.00	-4.42	22.02	21.82	22.35	23.58
	4 TX Slots	25.11	25.34	25.37	27.00	-3.17	21.94	22.17	22.20	23.83
EGPRS (GMSK)	1 TX Slot	31.47	31.35	30.76	32.00	-9.19	22.28	22.16	21.57	22.81
	2 TX Slots	28.32	28.61	28.69	29.50	-6.18	22.14	22.43	22.51	23.32
	3 TX Slots	26.34	26.32	26.74	28.00	-4.42	21.92	21.90	22.32	23.58
	4 TX Slots	25.11	25.44	25.41	27.00	-3.17	21.94	22.27	22.24	23.83
EGPRS (8PSK)	1 TX Slot	27.09	27.05	27.21	28.00	-9.19	17.90	17.86	18.02	18.81
	2 TX Slots	25.11	24.82	24.68	26.00	-6.18	18.93	18.64	18.50	19.82
	3 TX Slots	23.13	23.38	23.21	24.50	-4.42	18.71	18.96	18.79	20.08
	4 TX Slots	21.83	22.33	22.16	23.50	-3.17	18.66	19.16	18.99	20.33



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2.2 Conducted Power of WCDMA

WCDMA Band V state3					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.27	22.33	22.21	22.80
	12.2kbps AMR	22.21	22.27	22.28	22.80
HSDPA	Subtest 1	21.68	21.63	21.45	21.80
	Subtest 2	21.71	21.68	21.50	21.80
	Subtest 3	21.19	21.17	20.98	21.30
	Subtest 4	21.18	21.18	20.95	21.30
HSUPA	Subtest 1	21.62	21.45	21.35	22.00
	Subtest 2	19.53	19.49	19.29	20.00
	Subtest 3	20.51	20.43	20.26	21.00
	Subtest 4	19.52	19.43	19.25	20.00
	Subtest 5	21.55	21.44	21.28	22.00
DC-HSDPA	Subtest 1	21.61	21.56	21.44	21.80
	Subtest 2	21.67	21.78	21.45	21.80
	Subtest 3	21.17	21.21	20.94	21.30
	Subtest 4	21.19	21.27	20.96	21.30
HSPA+	16QAM	19.76	19.68	19.49	20.80

WCDMA Band V state5					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.79	22.69	22.61	23.30
	12.2kbps AMR	22.71	22.69	22.61	23.30
HSDPA	Subtest 1	22.24	22.11	21.87	22.30
	Subtest 2	22.22	22.06	21.89	22.30
	Subtest 3	21.75	21.61	21.38	21.80
	Subtest 4	21.76	21.61	21.38	21.80
HSUPA	Subtest 1	22.15	22.03	21.82	22.50
	Subtest 2	19.96	19.97	19.78	20.50
	Subtest 3	20.95	20.95	20.78	21.50
	Subtest 4	20.01	19.91	19.76	20.50
	Subtest 5	22.03	21.95	21.79	22.50
DC-HSDPA	Subtest 1	22.29	22.04	21.94	22.30
	Subtest 2	22.14	22.07	21.79	22.30
	Subtest 3	21.76	21.51	21.35	21.80
	Subtest 4	21.76	21.52	21.28	21.80
HSPA+	16QAM	20.22	20.12	19.99	21.30



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WCDMA Band V state8					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.78	20.83	20.70	21.30
	12.2kbps AMR	20.70	20.92	20.71	21.30
HSDPA	Subtest 1	20.23	20.09	19.91	20.30
	Subtest 2	20.23	20.07	19.89	20.30
	Subtest 3	19.75	19.59	19.39	19.80
	Subtest 4	19.72	19.59	19.39	19.80
HSUPA	Subtest 1	20.15	20.02	19.84	20.50
	Subtest 2	18.08	18.02	17.83	18.50
	Subtest 3	19.01	19.01	18.84	19.50
	Subtest 4	18.01	18.00	17.87	18.50
	Subtest 5	20.01	20.07	19.93	20.50
DC-HSDPA	Subtest 1	20.25	20.00	20.00	20.30
	Subtest 2	20.15	19.98	19.93	20.30
	Subtest 3	19.78	19.56	19.41	19.80
	Subtest 4	19.75	19.60	19.29	19.80
HSPA+	16QAM	18.22	18.23	18.06	19.30

WCDMA Band V state10					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	21.81	21.81	21.63	22.30
	12.2kbps AMR	21.86	21.78	21.61	22.30
HSDPA	Subtest 1	21.20	21.03	20.86	21.30
	Subtest 2	21.24	21.01	20.85	21.30
	Subtest 3	20.71	20.52	20.33	20.80
	Subtest 4	20.73	20.52	20.34	20.80
HSUPA	Subtest 1	20.19	20.08	20.82	21.50
	Subtest 2	18.51	19.04	18.83	19.50
	Subtest 3	20.02	20.00	19.82	20.50
	Subtest 4	19.01	19.03	18.82	19.50
	Subtest 5	21.01	21.03	20.83	21.50
DC-HSDPA	Subtest 1	21.13	21.00	20.81	21.30
	Subtest 2	21.26	20.99	20.89	21.30
	Subtest 3	20.77	20.55	20.27	20.80
	Subtest 4	20.70	20.42	20.34	20.80
HSPA+	16QAM	19.22	19.23	19.01	20.30



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2.3 Conducted Power of LTE

LTE Band 5 state3/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.26	22.24	22.20	23.00
		1	2	22.26	22.46	22.17	23.00
		1	5	22.16	22.11	22.00	23.00
		3	0	22.09	22.23	22.28	23.00
		3	2	22.15	22.36	22.42	23.00
		3	3	22.29	22.17	22.16	23.00
		6	0	22.18	22.37	22.29	23.00
	16QAM	1	0	22.56	22.70	22.63	23.00
		1	2	22.61	22.63	22.48	23.00
		1	5	22.55	22.74	22.30	23.00
		3	0	22.25	22.60	22.34	23.00
		3	2	22.40	22.44	22.34	23.00
		3	3	22.05	22.39	22.25	23.00
		6	0	22.31	22.30	22.24	23.00
	64QAM	1	0	22.07	21.54	22.51	23.00
		1	2	22.36	22.43	21.89	23.00
		1	5	22.39	22.02	22.08	23.00
		3	0	21.64	21.76	21.66	23.00
		3	2	21.81	22.00	21.70	23.00
		3	3	21.86	21.61	21.51	23.00
		6	0	20.97	20.76	20.62	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.13	22.23	22.25	23.00
		1	7	22.34	22.27	22.26	23.00
		1	14	22.26	22.14	22.21	23.00
		8	0	22.37	22.24	22.24	23.00
		8	4	22.41	22.49	22.29	23.00
		8	7	22.16	22.42	22.09	23.00
		15	0	22.13	22.45	22.30	23.00
	16QAM	1	0	22.58	22.57	22.80	23.00
		1	7	22.51	22.66	22.32	23.00
		1	14	22.68	22.73	22.40	23.00
		8	0	22.06	22.51	22.36	23.00
		8	4	22.15	22.39	22.43	23.00
		8	7	22.10	22.34	22.27	23.00
		15	0	22.43	22.35	22.33	23.00



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		1	0	22.30	21.53	22.38	23.00
		1	7	22.30	22.53	21.97	23.00
		1	14	22.15	21.98	22.17	23.00
	64QAM	8	0	20.70	20.98	20.50	22.00
		8	4	20.76	20.91	20.78	22.00
		8	7	20.93	20.62	20.70	22.00
		15	0	20.80	20.83	20.86	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
		1	0	21.99	22.13	22.30	23.00
		1	13	22.17	22.36	22.31	23.00
		1	24	22.31	22.10	22.04	23.00
	QPSK	12	0	22.21	22.33	22.39	23.00
		12	6	22.27	22.35	22.24	23.00
		12	13	22.33	22.15	22.14	23.00
		25	0	22.15	22.42	22.42	23.00
		1	0	22.28	22.50	22.60	23.00
		1	13	22.59	22.73	22.48	23.00
		1	24	22.68	22.71	22.48	23.00
	16QAM	12	0	22.26	22.36	22.34	23.00
		12	6	22.39	22.50	22.39	23.00
		12	13	22.10	22.26	22.38	23.00
		25	0	22.26	22.45	22.21	23.00
		1	0	22.05	21.68	22.43	23.00
		1	13	22.36	22.30	21.98	23.00
		1	24	22.19	22.04	22.22	23.00
	64QAM	12	0	20.75	20.76	20.58	22.00
		12	6	20.84	20.98	20.73	22.00
		12	13	20.67	20.85	20.67	22.00
		25	0	20.75	20.70	20.81	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
		1	0	22.23	22.32	22.30	23.00
		1	25	22.34	22.49	22.38	23.00
		1	49	22.32	22.28	22.23	23.00
	QPSK	25	0	22.33	22.44	22.47	23.00
		25	13	22.40	22.45	22.40	23.00
		25	25	22.38	22.38	22.25	23.00
		50	0	22.36	22.42	22.37	23.00
		1	0	22.53	22.65	22.80	23.00
		1	25	22.69	22.78	22.47	23.00
		1	49	22.75	22.82	22.48	23.00
	16QAM	25	0	22.29	22.56	22.46	23.00



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		25	13	22.38	22.52	22.40	23.00
		25	25	22.27	22.50	22.36	23.00
		50	0	22.42	22.46	22.38	23.00
	64QAM	1	0	22.29	21.75	22.49	23.00
		1	25	22.47	22.49	22.07	23.00
		1	49	22.37	22.06	22.30	23.00
		25	0	20.79	20.97	20.73	22.00
		25	13	20.92	21.01	20.94	22.00
		25	25	20.90	20.86	20.72	22.00
		50	0	20.94	20.94	20.85	22.00

LTE Band 5 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	20.63	20.99	20.85	21.50
		1	2	20.94	21.14	20.78	21.50
		1	5	20.84	20.86	20.60	21.50
		3	0	20.79	20.95	20.99	21.50
		3	2	20.99	21.03	20.80	21.50
		3	3	21.05	21.09	20.81	21.50
		6	0	20.86	20.95	21.00	21.50
	16QAM	1	0	21.01	21.29	21.06	21.50
		1	2	21.01	21.19	21.06	21.50
		1	5	20.97	21.22	20.83	21.50
		3	0	20.93	20.96	21.01	21.50
		3	2	20.84	20.91	20.88	21.50
		3	3	20.90	20.98	20.76	21.50
		6	0	20.82	20.85	21.03	21.50
	64QAM	1	0	20.91	20.98	20.95	21.50
		1	2	20.96	21.05	20.90	21.50
		1	5	20.97	20.61	20.73	21.50
		3	0	20.76	20.97	21.01	21.50
		3	2	21.01	21.07	20.85	21.50
		3	3	20.90	20.84	20.76	21.50
		6	0	20.79	20.92	20.89	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	20.64	21.09	20.84	21.50
		1	7	20.74	21.06	20.85	21.50
		1	14	20.88	20.82	20.56	21.50
		8	0	20.85	20.98	21.00	21.50



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		8	4	20.95	20.93	20.93	21.50
		8	7	21.05	20.95	20.74	21.50
		15	0	20.88	21.01	20.95	21.50
	16QAM	1	0	20.93	21.40	20.95	21.50
		1	7	20.99	21.30	21.09	21.50
		1	14	21.00	21.22	20.88	21.50
		8	0	20.75	20.88	21.04	21.50
		8	4	20.93	20.92	20.95	21.50
		8	7	20.85	21.10	20.77	21.50
		15	0	20.93	20.91	20.91	21.50
		1	0	20.82	20.89	20.84	21.50
	64QAM	1	7	20.80	20.88	20.83	21.50
		1	14	21.01	20.80	20.80	21.50
		8	0	20.79	21.01	21.04	21.50
		8	4	20.82	21.02	20.95	21.50
		8	7	20.96	20.86	20.84	21.50
		15	0	20.96	20.89	20.78	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	20.61	20.99	20.95	21.50
		1	13	20.86	21.13	20.88	21.50
		1	24	20.92	20.91	20.65	21.50
		12	0	20.86	20.83	20.89	21.50
		12	6	20.94	20.98	20.96	21.50
		12	13	20.94	20.97	20.83	21.50
		25	0	20.82	20.99	20.85	21.50
		1	0	20.99	21.41	21.02	21.50
	16QAM	1	13	20.92	21.25	21.13	21.50
		1	24	20.98	21.30	20.94	21.50
		12	0	20.94	20.91	21.03	21.50
		12	6	20.91	20.83	20.99	21.50
		12	13	20.76	20.99	20.64	21.50
		25	0	20.87	21.01	21.03	21.50
		1	0	20.92	20.83	20.95	21.50
		1	13	20.80	20.95	20.93	21.50
	64QAM	1	24	20.92	20.79	20.76	21.50
		12	0	20.95	21.02	20.99	21.50
		12	6	20.92	21.05	20.88	21.50
		12	13	20.90	20.93	20.90	21.50
		25	0	20.84	20.92	20.88	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	20.65	21.04	20.92	21.50



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		1	25	20.84	21.05	20.78	21.50
		1	49	20.94	20.84	20.61	21.50
		25	0	20.80	20.91	20.92	21.50
		25	13	20.97	20.97	20.89	21.50
		25	25	20.98	21.04	20.76	21.50
		50	0	20.90	20.93	20.92	21.50
	16QAM	1	0	20.99	21.37	20.99	21.50
		1	25	21.00	21.23	21.11	21.50
		1	49	20.92	21.24	20.92	21.50
		25	0	20.85	20.96	21.01	21.50
		25	13	20.91	20.93	20.94	21.50
		25	25	20.85	21.05	20.71	21.50
		50	0	20.90	20.91	20.95	21.50
	64QAM	1	0	20.84	20.90	20.90	21.50
		1	25	20.89	20.98	20.92	21.50
		1	49	20.93	20.70	20.81	21.50
		25	0	20.85	20.98	20.94	21.50
		25	13	20.92	21.04	20.92	21.50
		25	25	20.94	20.93	20.85	21.50
		50	0	20.88	20.90	20.82	21.50

LTE Band 5 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	21.36	21.29	21.46	22.00
		1	2	21.43	21.75	21.30	22.00
		1	5	21.26	21.37	21.18	22.00
		3	0	21.28	21.52	21.54	22.00
		3	2	21.46	21.55	21.31	22.00
		3	3	21.20	21.40	21.08	22.00
		6	0	21.37	21.35	21.48	22.00
	16QAM	1	0	21.61	21.49	21.80	22.00
		1	2	21.65	21.75	21.51	22.00
		1	5	21.83	21.55	21.48	22.00
		3	0	21.29	21.43	21.38	22.00
		3	2	21.48	21.41	21.44	22.00
		3	3	21.44	21.30	21.29	22.00
		6	0	21.42	21.49	21.29	22.00
	64QAM	1	0	20.97	21.56	21.45	22.00
		1	2	21.39	21.69	21.27	22.00
		1	5	21.45	21.40	21.08	22.00



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		3	0	21.19	21.54	21.32	22.00
		3	2	21.41	21.57	21.42	22.00
		3	3	21.31	21.39	21.19	22.00
		6	0	21.35	21.48	21.42	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	21.17	21.30	21.49	22.00
		1	7	21.44	21.76	21.19	22.00
		1	14	21.34	21.33	21.27	22.00
		8	0	21.29	21.42	21.56	22.00
		8	4	21.46	21.44	21.38	22.00
		8	7	21.18	21.51	21.26	22.00
		15	0	21.41	21.44	21.36	22.00
	16QAM	1	0	21.59	21.53	21.74	22.00
		1	7	21.56	21.79	21.59	22.00
		1	14	21.88	21.45	21.48	22.00
		8	0	21.33	21.42	21.23	22.00
		8	4	21.30	21.46	21.46	22.00
		8	7	21.50	21.29	21.31	22.00
		15	0	21.34	21.43	21.29	22.00
	64QAM	1	0	20.99	21.58	21.44	22.00
		1	7	21.27	21.78	21.26	22.00
		1	14	21.46	21.34	21.23	22.00
		8	0	21.16	21.62	21.41	22.00
		8	4	21.52	21.44	21.28	22.00
		8	7	21.48	21.45	21.18	22.00
		15	0	21.46	21.35	21.27	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	21.18	21.34	21.48	22.00
		1	13	21.48	21.74	21.31	22.00
		1	24	21.25	21.40	21.13	22.00
		12	0	21.42	21.54	21.54	22.00
		12	6	21.39	21.42	21.44	22.00
		12	13	21.17	21.36	21.09	22.00
		25	0	21.34	21.28	21.33	22.00
	16QAM	1	0	21.53	21.57	21.83	22.00
		1	13	21.62	21.91	21.60	22.00
		1	24	21.93	21.62	21.47	22.00
		12	0	21.31	21.59	21.35	22.00
		12	6	21.34	21.43	21.31	22.00
		12	13	21.43	21.26	21.26	22.00
		25	0	21.41	21.36	21.44	22.00



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		1	0	21.12	21.58	21.29	22.00
		1	13	21.25	21.65	21.30	22.00
		1	24	21.40	21.40	21.06	22.00
	64QAM	12	0	21.29	21.44	21.49	22.00
		12	6	21.36	21.56	21.40	22.00
		12	13	21.30	21.41	21.19	22.00
		25	0	21.46	21.41	21.27	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	21.27	21.32	21.39	22.00
		1	25	21.38	21.66	21.29	22.00
		1	49	21.28	21.39	21.23	22.00
		25	0	21.33	21.47	21.47	22.00
		25	13	21.37	21.46	21.40	22.00
		25	25	21.22	21.45	21.18	22.00
		50	0	21.38	21.37	21.39	22.00
	16QAM	1	0	21.56	21.51	21.84	22.00
		1	25	21.61	21.85	21.61	22.00
		1	49	21.86	21.55	21.52	22.00
		25	0	21.32	21.50	21.33	22.00
		25	13	21.38	21.47	21.40	22.00
		25	25	21.43	21.35	21.30	22.00
		50	0	21.43	21.46	21.37	22.00
	64QAM	1	0	21.05	21.63	21.38	22.00
		1	25	21.30	21.71	21.36	22.00
		1	49	21.44	21.37	21.13	22.00
		25	0	21.26	21.52	21.41	22.00
		25	13	21.44	21.49	21.38	22.00
		25	25	21.39	21.45	21.27	22.00
		50	0	21.38	21.43	21.35	22.00

LTE FDD Band 12 state3/5/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	24.41	24.45	24.28	25.00
		1	2	24.39	24.27	24.40	25.00
		1	5	24.40	24.23	24.45	25.00
		3	0	24.25	24.67	24.36	25.00
		3	2	24.54	24.45	24.62	25.00
		3	3	24.39	24.39	24.31	25.00
		6	0	23.70	23.45	23.44	24.00



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	16QAM	1	0	23.54	23.49	23.69	24.00
		1	2	23.87	23.65	23.75	24.00
		1	5	23.69	23.75	23.81	24.00
		3	0	23.44	23.78	23.72	24.00
		3	2	23.60	23.55	23.72	24.00
		3	3	23.48	23.77	23.60	24.00
		6	0	22.52	22.54	22.47	23.00
	64QAM	1	0	21.92	21.97	21.95	23.00
		1	2	22.27	22.08	22.11	23.00
		1	5	21.93	21.90	22.02	23.00
		3	0	21.88	21.95	21.66	23.00
		3	2	22.15	22.05	21.96	23.00
		3	3	21.89	21.72	21.67	23.00
		6	0	21.10	21.03	20.91	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	24.54	24.59	24.32	25.00
		1	7	24.51	24.56	24.51	25.00
		1	14	24.41	24.40	24.43	25.00
		8	0	23.42	23.70	23.48	24.00
		8	4	23.51	23.75	23.71	24.00
		8	7	23.67	23.63	23.62	24.00
		15	0	23.83	23.43	23.52	24.00
	16QAM	1	0	23.75	23.76	23.71	24.00
		1	7	23.81	23.68	23.76	24.00
		1	14	23.79	23.82	23.67	24.00
		8	0	22.63	22.62	22.59	23.00
		8	4	22.60	22.67	22.56	23.00
		8	7	22.53	22.76	22.79	23.00
		15	0	22.69	22.55	22.46	23.00
	64QAM	1	0	22.11	21.97	22.06	23.00
		1	7	22.15	22.22	22.16	23.00
		1	14	22.11	22.12	22.06	23.00
		8	0	20.86	20.68	20.94	22.00
		8	4	21.13	20.80	20.90	22.00
		8	7	21.15	20.72	20.92	22.00
		15	0	20.93	20.83	21.12	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	24.41	24.51	24.45	25.00
		1	13	24.45	24.58	24.53	25.00
		1	24	24.43	24.31	24.46	25.00
		12	0	23.39	23.73	23.43	24.00



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	16QAM	12	6	23.49	23.77	23.74	24.00
		12	13	23.69	23.73	23.47	24.00
		25	0	23.73	23.43	23.45	24.00
		1	0	23.74	23.59	23.69	24.00
		1	13	23.89	23.68	23.87	24.00
		1	24	23.70	23.64	23.54	24.00
		12	0	22.63	22.58	22.69	23.00
		12	6	22.74	22.64	22.56	23.00
		12	13	22.74	22.51	22.76	23.00
	64QAM	25	0	22.68	22.47	22.45	23.00
		1	0	22.06	21.87	22.01	23.00
		1	13	22.25	22.20	22.11	23.00
		1	24	21.90	21.88	22.03	23.00
		12	0	20.75	20.83	20.86	22.00
		12	6	20.97	21.05	21.12	22.00
		12	13	21.09	21.01	20.86	22.00
		25	0	20.87	20.99	21.13	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	24.45	24.60	24.41	25.00
		1	25	24.55	24.49	24.42	25.00
		1	49	24.44	24.40	24.42	25.00
		25	0	23.61	23.80	23.65	24.00
		25	13	23.71	23.76	23.74	24.00
		25	25	23.69	23.71	23.67	24.00
		50	0	23.78	23.67	23.65	24.00
	16QAM	1	0	23.79	23.73	23.84	24.00
		1	25	23.98	23.81	23.94	24.00
		1	49	23.89	23.82	23.76	24.00
		25	0	22.61	22.74	22.68	23.00
		25	13	22.79	22.77	22.73	23.00
		25	25	22.69	22.72	22.75	23.00
		50	0	22.68	22.68	22.62	23.00
	64QAM	1	0	22.11	22.02	22.13	23.00
		1	25	22.39	22.24	22.16	23.00
		1	49	22.12	22.11	22.26	23.00
		25	0	20.90	20.91	20.90	22.00
		25	13	21.13	21.00	21.07	22.00
		25	25	21.11	20.96	20.87	22.00
		50	0	21.09	20.99	21.12	22.00

LTE FDD Band 12 state8	Conducted Power(dBm)
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.52	23.69	23.45	24.00
		1	2	23.74	23.60	23.76	24.00
		1	5	23.66	23.48	23.58	24.00
		3	0	23.53	23.71	23.54	24.00
		3	2	23.66	23.65	23.53	24.00
		3	3	23.79	23.59	23.48	24.00
		6	0	23.62	23.50	23.47	24.00
	16QAM	1	0	23.83	23.79	23.59	24.00
		1	2	23.81	23.78	23.40	24.00
		1	5	23.65	23.80	23.73	24.00
		3	0	23.73	23.68	23.42	24.00
		3	2	23.83	23.67	23.58	24.00
		3	3	23.61	23.71	23.66	24.00
		6	0	22.71	22.64	22.45	23.00
	64QAM	1	0	21.76	21.99	22.17	23.00
		1	2	22.24	22.04	22.07	23.00
		1	5	22.25	21.89	22.12	23.00
		3	0	21.89	21.98	21.73	23.00
		3	2	21.88	21.89	22.16	23.00
		3	3	21.76	21.98	21.87	23.00
		6	0	20.98	20.76	20.95	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.62	23.58	23.63	24.00
		1	7	23.49	23.51	23.73	24.00
		1	14	23.53	23.63	23.55	24.00
		8	0	23.52	23.76	23.62	24.00
		8	4	23.80	23.74	23.82	24.00
		8	7	23.62	23.46	23.71	24.00
		15	0	23.56	23.52	23.52	24.00
	16QAM	1	0	23.61	23.60	23.64	24.00
		1	7	23.69	23.78	23.33	24.00
		1	14	23.90	23.89	23.54	24.00
		8	0	22.52	22.50	22.52	23.00
		8	4	22.63	22.57	22.77	23.00
		8	7	22.48	22.54	22.76	23.00
		15	0	22.47	22.56	22.71	23.00
	64QAM	1	0	21.94	21.98	22.07	23.00
		1	7	22.16	22.06	22.22	23.00
		1	14	21.99	21.93	22.10	23.00



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		8	0	21.01	20.88	20.77	22.00
		8	4	20.99	20.91	20.87	22.00
		8	7	20.61	21.05	20.87	22.00
		15	0	20.70	20.76	20.88	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.68	23.82	23.48	24.00
		1	13	23.78	23.34	23.72	24.00
		1	24	23.49	23.53	23.57	24.00
		12	0	23.59	23.60	23.50	24.00
		12	6	23.71	23.68	23.57	24.00
		12	13	23.56	23.64	23.53	24.00
		25	0	23.49	23.64	23.71	24.00
	16QAM	1	0	23.73	23.73	23.51	24.00
		1	13	23.74	23.94	23.40	24.00
		1	24	23.70	23.96	23.72	24.00
		12	0	22.75	22.68	22.57	23.00
		12	6	22.66	22.64	22.66	23.00
		12	13	22.68	22.59	22.64	23.00
		25	0	22.56	22.74	22.70	23.00
	64QAM	1	0	21.91	22.08	22.17	23.00
		1	13	22.09	22.16	22.31	23.00
		1	24	22.26	22.13	22.17	23.00
		12	0	20.81	20.94	20.72	22.00
		12	6	20.92	21.00	21.01	22.00
		12	13	20.88	20.93	20.70	22.00
		25	0	20.84	20.73	21.11	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.66	23.83	23.58	24.00
		1	25	23.74	23.56	23.82	24.00
		1	49	23.67	23.71	23.59	24.00
		25	0	23.58	23.72	23.61	24.00
		25	13	23.66	23.70	23.67	24.00
		25	25	23.71	23.60	23.60	24.00
		50	0	23.74	23.71	23.69	24.00
	16QAM	1	0	23.82	23.79	23.67	24.00
		1	25	23.98	23.89	23.56	24.00
		1	49	23.79	23.93	23.75	24.00
		25	0	22.72	22.63	22.67	23.00
		25	13	22.82	22.70	22.72	23.00
		25	25	22.71	22.75	22.71	23.00
		50	0	22.72	22.79	22.69	23.00



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64QAM	1	0	21.91	22.10	22.15	23.00
	1	25	22.20	22.20	22.28	23.00
	1	49	22.21	22.12	22.21	23.00
	25	0	21.02	21.03	20.91	22.00
	25	13	21.00	21.01	21.12	22.00
	25	25	20.86	21.02	20.95	22.00
	50	0	20.95	20.86	21.10	22.00

LTE FDD Band 17 state3/5/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	24.40	24.41	24.47	25.00
		1	13	24.64	24.53	24.65	25.00
		1	24	24.58	24.53	24.60	25.00
		12	0	23.68	23.64	23.71	24.00
		12	6	23.72	23.75	23.56	24.00
		12	13	23.64	23.60	23.62	24.00
		25	0	23.57	23.57	23.48	24.00
	16QAM	1	0	23.82	23.82	23.73	24.00
		1	13	23.59	23.92	23.81	24.00
		1	24	23.59	23.90	23.66	24.00
		12	0	22.56	22.50	22.66	23.00
		12	6	22.73	22.52	22.60	23.00
		12	13	22.54	22.61	22.46	23.00
		25	0	22.57	22.69	22.61	23.00
	64QAM	1	0	21.94	22.10	22.10	23.00
		1	13	22.01	22.11	22.11	23.00
		1	24	21.97	22.02	21.88	23.00
		12	0	20.74	20.73	20.97	22.00
		12	6	20.98	20.93	20.92	22.00
		12	13	20.74	20.82	20.86	22.00
		25	0	20.85	20.93	20.87	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	24.51	24.56	24.52	25.00
		1	25	24.67	24.63	24.64	25.00
		1	49	24.58	24.51	24.58	25.00
		25	0	23.64	23.62	23.68	24.00
		25	13	23.74	23.70	23.65	24.00
		25	25	23.60	23.55	23.68	24.00



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		50	0	23.67	23.70	23.58	24.00
	16QAM	1	0	23.97	23.94	23.83	24.00
		1	25	23.61	23.91	23.92	24.00
		1	49	23.55	23.93	23.74	24.00
		25	0	22.69	22.55	22.66	23.00
		25	13	22.69	22.64	22.56	23.00
		25	25	22.68	22.68	22.58	23.00
		50	0	22.57	22.67	22.69	23.00
	64QAM	1	0	22.08	22.16	22.08	23.00
		1	25	22.16	22.12	22.19	23.00
		1	49	22.09	22.12	21.94	23.00
		25	0	20.85	20.88	20.96	22.00
		25	13	20.99	20.99	21.02	22.00
		25	25	20.89	20.87	20.82	22.00
		50	0	20.84	20.89	20.86	22.00

LTE FDD Band 17 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	23.69	23.53	23.56	24.00
		1	13	23.47	23.66	23.75	24.00
		1	24	23.47	23.48	23.50	24.00
		12	0	23.57	23.46	23.61	24.00
		12	6	23.78	23.55	23.55	24.00
		12	13	23.62	23.67	23.68	24.00
		25	0	23.58	23.59	23.57	24.00
	16QAM	1	0	23.79	23.81	23.74	24.00
		1	13	23.93	23.94	23.82	24.00
		1	24	23.36	23.46	23.70	24.00
		12	0	22.71	22.58	22.48	23.00
		12	6	22.72	22.68	22.55	23.00
		12	13	22.44	22.72	22.56	23.00
		25	0	22.65	22.64	22.46	23.00
	64QAM	1	0	22.00	22.04	22.20	23.00
		1	13	22.08	22.07	22.10	23.00
		1	24	22.07	21.99	21.95	23.00
		12	0	20.80	20.82	20.83	22.00
		12	6	20.98	20.83	20.99	22.00
		12	13	20.68	20.81	20.71	22.00
		25	0	20.78	20.90	20.86	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				23780	23790	23800	
10MHz	QPSK	1	0	23.76	23.53	23.56	24.00
		1	25	23.62	23.61	23.72	24.00
		1	49	23.59	23.53	23.55	24.00
		25	0	23.56	23.61	23.69	24.00
		25	13	23.76	23.70	23.64	24.00
		25	25	23.57	23.71	23.67	24.00
		50	0	23.67	23.68	23.64	24.00
	16QAM	1	0	23.84	23.92	23.88	24.00
		1	25	23.98	23.94	23.95	24.00
		1	49	23.38	23.49	23.74	24.00
		25	0	22.67	22.64	22.59	23.00
		25	13	22.68	22.75	22.61	23.00
		25	25	22.58	22.68	22.68	23.00
		50	0	22.66	22.61	22.58	23.00
	64QAM	1	0	22.11	22.09	22.16	23.00
		1	25	22.12	22.11	22.11	23.00
		1	49	22.10	22.04	22.05	23.00
		25	0	20.86	20.87	20.86	22.00
		25	13	21.06	20.96	20.96	22.00
		25	25	20.81	20.83	20.85	22.00
		50	0	20.90	20.94	20.96	22.00

LTE Band 26 state3/5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	22.83	23.00	22.79	23.50
		1	2	22.93	22.74	22.83	23.50
		1	5	22.91	22.64	22.77	23.50
		3	0	23.07	23.00	22.91	23.50
		3	2	22.93	22.98	22.91	23.50
		3	3	22.99	22.95	22.96	23.50
		6	0	23.02	23.01	23.00	23.50
	16QAM	1	0	22.76	22.81	22.95	23.50
		1	2	23.16	22.83	22.96	23.50
		1	5	23.16	23.09	22.95	23.50
		3	0	22.45	22.45	22.44	23.50
		3	2	22.44	22.56	22.44	23.50
		3	3	22.30	22.50	22.34	23.50
		6	0	22.38	22.53	22.60	23.00
	64QAM	1	0	22.52	22.29	22.73	23.00



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		1	2	22.96	22.82	22.84	23.00
		1	5	22.85	22.88	22.76	23.00
		3	0	21.76	21.88	21.92	23.00
		3	2	21.63	21.63	21.77	23.00
		3	3	21.75	21.69	21.74	23.00
		6	0	20.53	20.77	20.62	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	22.87	23.01	22.89	23.50
		1	7	22.86	22.77	22.82	23.50
		1	14	22.86	22.55	22.77	23.50
		8	0	23.04	22.98	22.97	23.50
		8	4	23.07	23.09	22.96	23.50
		8	7	22.95	23.05	22.94	23.50
		15	0	22.99	23.05	23.02	23.50
	16QAM	1	0	22.88	22.93	22.87	23.50
		1	7	23.14	22.84	22.76	23.50
		1	14	23.16	23.18	22.99	23.50
		8	0	22.55	22.36	22.47	23.00
		8	4	22.48	22.62	22.38	23.00
		8	7	22.34	22.51	22.45	23.00
		15	0	22.52	22.44	22.51	23.00
	64QAM	1	0	22.59	22.38	22.70	23.00
		1	7	22.93	22.82	22.87	23.00
		1	14	22.83	22.80	22.79	23.00
		8	0	20.80	20.90	20.81	22.00
		8	4	20.73	20.63	20.77	22.00
		8	7	20.63	20.72	20.91	22.00
		15	0	20.52	20.79	20.59	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	22.86	22.97	22.79	23.50
		1	13	22.92	22.79	22.90	23.50
		1	24	22.87	22.54	22.89	23.50
		12	0	23.12	23.00	22.91	23.50
		12	6	22.98	23.00	23.06	23.50
		12	13	23.04	22.95	22.96	23.50
		25	0	23.10	22.99	22.91	23.50
	16QAM	1	0	22.86	23.00	22.97	23.50
		1	13	23.08	22.91	22.78	23.50
		1	24	23.11	23.08	22.89	23.50
		12	0	22.58	22.45	22.40	23.00
		12	6	22.35	22.53	22.39	23.00



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		12	13	22.30	22.66	22.37	23.00
		25	0	22.46	22.49	22.42	23.00
	64QAM	1	0	22.52	22.40	22.81	23.00
		1	13	22.85	22.86	22.85	23.00
		1	24	22.94	22.77	22.63	23.00
		12	0	20.79	20.90	20.89	22.00
		12	6	20.59	20.70	20.71	22.00
		12	13	20.68	20.77	20.88	22.00
		25	0	20.64	20.75	20.55	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	22.83	22.88	22.89	23.50
		1	25	22.89	22.79	22.72	23.50
		1	49	22.75	22.73	22.86	23.50
		25	0	22.99	23.09	22.84	23.50
		25	13	22.94	23.05	22.97	23.50
		25	25	23.07	22.93	23.02	23.50
		50	0	23.03	22.88	23.07	23.50
	16QAM	1	0	22.85	22.83	22.87	23.50
		1	25	23.10	22.78	22.80	23.50
		1	49	23.10	23.08	22.87	23.50
		25	0	22.45	22.48	22.44	23.00
		25	13	22.40	22.64	22.30	23.00
		25	25	22.31	22.59	22.44	23.00
		50	0	22.54	22.36	22.59	23.00
	64QAM	1	0	22.53	22.37	22.86	23.00
		1	25	22.87	22.99	22.77	23.00
		1	49	22.79	22.77	22.75	23.00
		25	0	20.95	20.78	20.85	22.00
		25	13	20.61	20.67	20.71	22.00
		25	25	20.69	20.69	20.93	22.00
		50	0	20.54	20.61	20.53	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	22.95	22.96	22.92	23.50
		1	38	22.96	22.82	22.86	23.50
		1	74	22.90	22.68	22.85	23.50
		36	0	23.11	23.11	22.97	23.50
		36	18	23.08	23.07	23.03	23.50
		36	39	23.04	23.06	23.03	23.50
		75	0	23.09	23.02	23.05	23.50
	16QAM	1	0	22.88	22.96	22.99	23.50
		1	38	23.12	22.87	22.91	23.50



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		1	74	23.11	23.18	22.96	23.50
		36	0	22.57	22.44	22.43	23.00
		36	18	22.49	22.62	22.42	23.00
		36	39	22.44	22.63	22.46	23.00
		75	0	22.53	22.50	22.57	23.00
	64QAM	1	0	22.64	22.43	22.84	23.00
		1	38	22.94	22.96	22.84	23.00
		1	74	22.91	22.90	22.76	23.00
		36	0	20.91	20.85	20.90	22.00
		36	18	20.74	20.78	20.75	22.00
		36	39	20.71	20.81	20.89	22.00
		75	0	20.64	20.74	20.65	22.00

LTE Band 26 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	21.21	21.76	21.35	22.00
		1	2	21.31	21.23	21.33	22.00
		1	5	21.31	21.47	21.32	22.00
		3	0	21.30	21.51	21.32	22.00
		3	2	21.56	21.45	21.31	22.00
		3	3	21.26	21.48	21.33	22.00
		6	0	21.38	21.34	21.39	22.00
	16QAM	1	0	21.70	21.60	21.71	22.00
		1	2	21.48	21.63	21.68	22.00
		1	5	21.44	21.56	21.07	22.00
		3	0	21.43	21.38	21.41	22.00
		3	2	21.39	21.35	21.30	22.00
		3	3	21.20	21.47	21.37	22.00
		6	0	21.35	21.46	21.44	22.00
	64QAM	1	0	20.94	20.98	21.53	22.00
		1	2	21.13	21.57	21.28	22.00
		1	5	21.34	21.47	21.34	22.00
		3	0	21.42	21.46	21.44	22.00
		3	2	21.51	21.54	21.23	22.00
		3	3	21.43	21.41	21.33	22.00
		6	0	21.41	21.39	21.25	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	21.23	21.68	21.22	22.00
		1	7	21.26	21.30	21.47	22.00



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		1	14	21.28	21.45	21.33	22.00
		8	0	21.49	21.49	21.34	22.00
		8	4	21.51	21.46	21.48	22.00
		8	7	21.28	21.39	21.46	22.00
		15	0	21.56	21.43	21.36	22.00
	16QAM	1	0	21.72	21.48	21.53	22.00
		1	7	21.35	21.70	21.74	22.00
		1	14	21.40	21.46	21.05	22.00
		8	0	21.34	21.50	21.31	22.00
		8	4	21.54	21.46	21.47	22.00
		8	7	21.28	21.49	21.41	22.00
		15	0	21.42	21.37	21.36	22.00
	64QAM	1	0	21.04	20.91	21.46	22.00
		1	7	21.14	21.40	21.40	22.00
		1	14	21.35	21.51	21.29	22.00
		8	0	21.38	21.46	21.36	22.00
		8	4	21.51	21.43	21.31	22.00
		8	7	21.38	21.33	21.32	22.00
		15	0	21.45	21.40	21.38	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	21.31	21.67	21.30	22.00
		1	13	21.24	21.26	21.37	22.00
		1	24	21.16	21.34	21.29	22.00
		12	0	21.42	21.46	21.36	22.00
		12	6	21.47	21.42	21.32	22.00
		12	13	21.40	21.43	21.36	22.00
		25	0	21.46	21.36	21.43	22.00
	16QAM	1	0	21.73	21.51	21.64	22.00
		1	13	21.46	21.63	21.73	22.00
		1	24	21.45	21.48	21.13	22.00
		12	0	21.38	21.55	21.44	22.00
		12	6	21.48	21.49	21.43	22.00
		12	13	21.21	21.53	21.34	22.00
		25	0	21.44	21.47	21.31	22.00
	64QAM	1	0	20.95	21.02	21.59	22.00
		1	13	21.18	21.58	21.28	22.00
		1	24	21.39	21.61	21.24	22.00
		12	0	21.40	21.47	21.40	22.00
		12	6	21.39	21.48	21.22	22.00
		12	13	21.27	21.45	21.27	22.00
		25	0	21.47	21.45	21.36	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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Bandwidth	Modulation	RB size	RB offset	26740	26865	26990	Tune up
				Channel	Channel	Channel	
10MHz	QPSK	1	0	21.30	21.64	21.31	22.00
		1	25	21.14	21.33	21.35	22.00
		1	49	21.32	21.42	21.18	22.00
		25	0	21.34	21.51	21.35	22.00
		25	13	21.58	21.49	21.34	22.00
		25	25	21.28	21.44	21.28	22.00
		50	0	21.52	21.44	21.43	22.00
	16QAM	1	0	21.63	21.53	21.71	22.00
		1	25	21.40	21.77	21.76	22.00
		1	49	21.27	21.52	21.05	22.00
		25	0	21.42	21.41	21.43	22.00
		25	13	21.37	21.35	21.43	22.00
		25	25	21.20	21.42	21.44	22.00
		50	0	21.41	21.43	21.45	22.00
	64QAM	1	0	21.04	20.84	21.51	22.00
		1	25	21.14	21.42	21.43	22.00
		1	49	21.32	21.53	21.33	22.00
		25	0	21.38	21.46	21.41	22.00
		25	13	21.45	21.40	21.21	22.00
		25	25	21.43	21.26	21.26	22.00
		50	0	21.39	21.30	21.28	22.00
15MHz	QPSK	1	0	21.27	21.73	21.27	22.00
		1	38	21.24	21.24	21.40	22.00
		1	74	21.23	21.39	21.23	22.00
		36	0	21.40	21.50	21.30	22.00
		36	18	21.49	21.44	21.38	22.00
		36	39	21.32	21.47	21.36	22.00
		75	0	21.47	21.40	21.38	22.00
	16QAM	1	0	21.69	21.50	21.62	22.00
		1	38	21.45	21.72	21.77	22.00
		1	74	21.37	21.52	21.15	22.00
		36	0	21.34	21.46	21.35	22.00
		36	18	21.45	21.45	21.39	22.00
		36	39	21.30	21.51	21.40	22.00
		75	0	21.43	21.41	21.40	22.00
	64QAM	1	0	21.04	20.93	21.56	22.00
		1	38	21.22	21.49	21.38	22.00
		1	74	21.41	21.53	21.27	22.00
		36	0	20.81	20.94	20.76	22.00
		36	18	20.78	20.85	20.80	22.00



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		36	39	20.84	20.73	20.74	22.00
		75	0	20.68	20.81	20.80	22.00

LTE Band 26 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	21.69	21.74	21.96	22.50
		1	2	21.97	22.08	21.76	22.50
		1	5	21.92	21.91	22.03	22.50
		3	0	21.94	22.04	21.95	22.50
		3	2	21.93	21.86	22.01	22.50
		3	3	21.94	21.98	21.91	22.50
		6	0	22.10	21.94	21.98	22.50
	16QAM	1	0	22.17	22.18	21.39	22.50
		1	2	21.93	22.15	21.93	22.50
		1	5	21.47	22.15	22.01	22.50
		3	0	21.95	22.10	22.06	22.50
		3	2	21.98	22.05	21.91	22.50
		3	3	21.91	22.04	21.91	22.50
		6	0	21.94	21.97	22.02	22.50
	64QAM	1	0	21.69	22.06	22.08	22.50
		1	2	22.20	21.91	21.97	22.50
		1	5	21.83	21.80	21.85	22.50
		3	0	21.77	21.82	21.80	22.50
		3	2	21.73	21.56	21.70	22.50
		3	3	21.71	21.80	21.79	22.50
		6	0	20.76	20.70	20.65	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	21.85	21.70	21.98	22.50
		1	7	21.86	21.92	21.90	22.50
		1	14	21.93	22.00	22.06	22.50
		8	0	21.99	21.98	22.04	22.50
		8	4	21.91	21.95	22.05	22.50
		8	7	22.06	22.08	21.94	22.50
		15	0	22.07	21.91	21.88	22.50
	16QAM	1	0	22.13	22.06	21.41	22.50
		1	7	22.08	22.15	21.80	22.50
		1	14	21.56	22.16	21.97	22.50
		8	0	21.96	22.07	22.07	22.50
		8	4	21.94	21.93	21.92	22.50



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		8	7	21.93	21.87	21.94	22.50
		15	0	21.96	21.90	21.89	22.50
	64QAM	1	0	21.77	22.01	22.01	22.50
		1	7	22.11	22.00	21.81	22.50
		1	14	21.75	21.88	21.92	22.50
		8	0	20.86	20.72	20.81	22.00
		8	4	20.68	20.66	20.64	22.00
		8	7	20.84	20.78	20.85	22.00
		15	0	20.70	20.60	20.60	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	21.75	21.62	22.04	22.50
		1	13	21.88	21.95	21.83	22.50
		1	24	21.75	21.86	21.90	22.50
		12	0	21.85	21.96	22.05	22.50
		12	6	22.04	21.92	22.07	22.50
		12	13	21.88	22.05	21.91	22.50
		25	0	22.07	22.01	21.97	22.50
	16QAM	1	0	22.02	22.21	21.39	22.50
		1	13	21.98	22.22	21.88	22.50
		1	24	21.51	22.11	22.07	22.50
		12	0	21.92	21.96	21.97	22.50
		12	6	21.90	22.05	21.97	22.50
		12	13	21.95	22.01	21.79	22.50
		25	0	21.93	21.97	21.97	22.50
	64QAM	1	0	21.79	21.94	22.09	22.50
		1	13	22.19	21.96	21.93	22.50
		1	24	21.73	21.91	21.93	22.50
		12	0	20.77	20.70	20.76	22.00
		12	6	20.67	20.63	20.75	22.00
		12	13	20.69	20.87	20.90	22.00
		25	0	20.67	20.74	20.64	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	21.67	21.68	22.16	22.50
		1	25	21.85	21.96	21.78	22.50
		1	49	21.88	21.83	22.00	22.50
		25	0	22.04	21.90	21.94	22.50
		25	13	21.96	22.05	22.11	22.50
		25	25	21.92	21.92	21.93	22.50
		50	0	21.95	21.91	22.02	22.50
	16QAM	1	0	21.98	22.11	21.38	22.50
		1	25	21.93	21.98	21.76	22.50



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		1	49	21.49	22.14	21.96	22.50
		25	0	21.98	21.99	22.09	22.50
		25	13	21.91	21.89	22.03	22.50
		25	25	21.86	21.88	21.92	22.50
		50	0	21.97	21.88	22.05	22.50
	64QAM	1	0	21.74	21.91	22.12	22.50
		1	25	22.22	22.07	21.88	22.50
		1	49	21.85	21.92	21.79	22.50
		25	0	20.70	20.74	20.78	22.00
		25	13	20.71	20.65	20.69	22.00
		25	25	20.70	20.84	20.71	22.00
		50	0	20.72	20.70	20.73	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	21.80	21.71	22.06	22.50
		1	38	21.96	22.04	21.88	22.50
		1	74	21.90	21.95	22.02	22.50
		36	0	21.99	22.03	22.02	22.50
		36	18	22.05	22.01	22.06	22.50
		36	39	22.02	22.06	21.97	22.50
		75	0	22.10	22.06	21.98	22.50
	16QAM	1	0	22.13	22.16	21.50	22.50
		1	38	22.04	22.22	21.90	22.50
		1	74	21.56	22.30	22.03	22.50
		36	0	21.95	22.08	22.04	22.50
		36	18	22.02	22.04	22.01	22.50
		36	39	21.98	22.02	21.93	22.50
		75	0	22.06	22.01	22.04	22.50
	64QAM	1	0	21.83	22.05	22.09	22.50
		1	38	22.20	22.05	21.95	22.50
		1	74	21.82	21.94	21.90	22.50
		36	0	20.81	20.82	20.82	22.00
		36	18	20.82	20.69	20.78	22.00
		36	39	20.84	20.90	20.86	22.00
		75	0	20.71	20.73	20.73	22.00



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3 Conducted Power of Main Antenna (Ant3)

3.1 Conducted Power of GSM

GSM 1900 state3										
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	29.61	29.67	29.69	30.50	-9.19	20.42	20.48	20.50	21.31
GPRS (GMSK)	1 TX Slot	29.59	29.62	29.77	30.50	-9.19	20.40	20.43	20.58	21.31
	2 TX Slots	27.04	26.82	26.89	28.00	-6.18	20.86	20.64	20.71	21.82
	3 TX Slots	25.83	25.35	25.21	26.50	-4.42	21.41	20.93	20.79	22.08
	4 TX Slots	24.43	23.99	23.89	25.50	-3.17	21.26	20.82	20.72	22.33
EGPRS (GMSK)	1 TX Slot	29.56	29.69	29.87	30.50	-9.19	20.37	20.50	20.68	21.31
	2 TX Slots	27.01	26.82	26.85	28.00	-6.18	20.83	20.64	20.67	21.82
	3 TX Slots	25.73	25.39	25.27	26.50	-4.42	21.31	20.97	20.85	22.08
	4 TX Slots	24.37	23.98	23.92	25.50	-3.17	21.20	20.81	20.75	22.33
EGPRS (8PSK)	1 TX Slot	26.24	25.92	25.93	27.00	-9.19	17.05	16.73	16.74	17.81
	2 TX Slots	23.95	23.57	23.38	24.50	-6.18	17.77	17.39	17.20	18.32
	3 TX Slots	22.17	21.79	21.60	23.00	-4.42	17.75	17.37	17.18	18.58
	4 TX Slots	21.59	21.43	21.37	22.50	-3.17	18.42	18.26	18.20	19.33

GSM 1900 state5/10										
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	26.96	26.49	26.46	27.50	-9.19	17.77	17.30	17.27	18.31
GPRS (GMSK)	1 TX Slot	27.02	26.39	26.40	27.50	-9.19	17.83	17.20	17.21	18.31
	2 TX Slots	23.35	23.52	23.56	25.00	-6.18	17.17	17.34	17.38	18.82
	3 TX Slots	21.59	22.22	22.27	23.50	-4.42	17.17	17.80	17.85	19.08
	4 TX Slots	20.70	20.76	20.80	22.50	-3.17	17.53	17.59	17.63	19.33
EGPRS (GMSK)	1 TX Slot	27.06	26.31	26.37	27.50	-9.19	17.87	17.12	17.18	18.31
	2 TX Slots	23.30	23.50	23.61	25.00	-6.18	17.12	17.32	17.43	18.82
	3 TX Slots	21.68	22.31	22.26	23.50	-4.42	17.26	17.89	17.84	19.08
	4 TX Slots	20.78	20.81	20.85	22.50	-3.17	17.61	17.64	17.68	19.33
EGPRS (8PSK)	1 TX Slot	26.08	25.91	25.96	27.00	-9.19	16.89	16.72	16.77	17.81
	2 TX Slots	23.86	23.42	23.48	24.50	-6.18	17.68	17.24	17.30	18.32
	3 TX Slots	22.10	21.60	21.42	23.00	-4.42	17.68	17.18	17.00	18.58
	4 TX Slots	21.42	21.54	21.21	22.50	-3.17	18.25	18.37	18.04	19.33



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GSM 1900 state8										
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	28.69	28.10	28.25	29.00	-9.19	19.50	18.91	19.06	19.81
GPRS (GMSK)	1 TX Slot	28.61	28.02	28.27	29.00	-9.19	19.42	18.83	19.08	19.81
	2 TX Slots	25.61	25.03	25.06	26.50	-6.18	19.43	18.85	18.88	20.32
	3 TX Slots	23.31	23.22	23.17	25.00	-4.42	18.89	18.80	18.75	20.58
	4 TX Slots	22.28	22.15	22.43	24.00	-3.17	19.11	18.98	19.26	20.83
EGPRS (GMSK)	1 TX Slot	28.62	28.03	28.25	29.00	-9.19	19.43	18.84	19.06	19.81
	2 TX Slots	25.71	25.09	25.02	26.50	-6.18	19.53	18.91	18.84	20.32
	3 TX Slots	23.34	23.12	23.21	25.00	-4.42	18.92	18.70	18.79	20.58
	4 TX Slots	22.22	22.25	22.47	24.00	-3.17	19.05	19.08	19.30	20.83
EGPRS (8PSK)	1 TX Slot	25.97	25.83	25.76	27.00	-9.19	16.78	16.64	16.57	17.81
	2 TX Slots	23.76	23.47	23.33	24.50	-6.18	17.58	17.29	17.15	18.32
	3 TX Slots	22.04	21.52	21.45	23.00	-4.42	17.62	17.10	17.03	18.58
	4 TX Slots	21.39	21.34	21.22	22.50	-3.17	18.22	18.17	18.05	19.33



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3.2 Conducted Power of WCDMA

WCDMA Band II state3					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.35	20.33	20.40	20.80
	12.2kbps AMR	20.40	20.32	20.31	20.80
HSDPA	Subtest 1	19.74	19.75	19.77	19.80
	Subtest 2	19.74	19.70	19.75	19.80
	Subtest 3	18.93	18.91	18.98	19.30
	Subtest 4	18.95	18.91	18.97	19.30
HSUPA	Subtest 1	19.95	19.45	19.47	20.00
	Subtest 2	17.42	17.43	17.46	18.00
	Subtest 3	18.44	18.43	18.46	19.00
	Subtest 4	17.43	17.41	17.45	18.00
	Subtest 5	19.91	19.93	19.95	20.00
DC-HSDPA	Subtest 1	19.64	19.76	19.79	19.80
	Subtest 2	19.79	19.61	19.79	19.80
	Subtest 3	18.78	19.01	19.06	19.30
	Subtest 4	18.90	18.91	18.94	19.30
HSPA+	16QAM	17.68	17.66	17.65	18.80

WCDMA Band II state5/8					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.29	18.30	18.32	18.80
	12.2kbps AMR	18.24	18.36	18.31	18.80
HSDPA	Subtest 1	17.65	17.66	17.68	17.80
	Subtest 2	17.67	17.70	17.70	17.80
	Subtest 3	16.84	16.85	16.86	17.30
	Subtest 4	16.85	16.82	16.86	17.30
HSUPA	Subtest 1	17.89	17.51	17.56	18.00
	Subtest 2	15.35	15.34	15.36	16.00
	Subtest 3	16.34	16.34	16.37	17.00
	Subtest 4	15.36	15.33	15.35	16.00
	Subtest 5	17.88	17.87	17.88	18.00
DC-HSDPA	Subtest 1	17.73	17.71	17.58	17.80
	Subtest 2	17.57	17.62	17.71	17.80
	Subtest 3	16.77	16.79	16.80	17.30
	Subtest 4	16.82	16.82	16.86	17.30
HSPA+	16QAM	15.59	15.52	15.54	16.80



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WCDMA Band II state10					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.35	17.36	17.35	17.80
	12.2kbps AMR	17.43	17.39	17.43	17.80
HSDPA	Subtest 1	16.77	16.70	16.76	16.80
	Subtest 2	16.76	16.75	16.77	16.80
	Subtest 3	15.95	15.93	15.95	16.30
	Subtest 4	16.00	15.92	15.98	16.30
HSUPA	Subtest 1	16.93	16.96	16.98	17.00
	Subtest 2	14.42	14.46	14.47	15.00
	Subtest 3	15.47	15.46	15.47	16.00
	Subtest 4	14.46	14.45	14.49	15.00
	Subtest 5	16.92	16.94	16.97	17.00
DC-HSDPA	Subtest 1	16.71	16.63	16.75	16.80
	Subtest 2	16.78	16.70	16.67	16.80
	Subtest 3	16.05	15.86	15.85	16.30
	Subtest 4	16.09	15.85	15.91	16.30
HSPA+	16QAM	14.68	14.67	14.70	15.80

WCDMA Band IV state3					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.89	21.95	21.87	22.30
	12.2kbps AMR	21.87	21.95	21.78	22.30
HSDPA	Subtest 1	21.21	21.23	21.21	21.30
	Subtest 2	21.17	21.24	21.18	21.30
	Subtest 3	20.44	20.50	20.45	20.80
	Subtest 4	20.44	20.50	20.43	20.80
HSUPA	Subtest 1	20.93	20.98	20.95	21.50
	Subtest 2	18.92	18.95	18.93	19.50
	Subtest 3	19.91	19.95	19.93	20.50
	Subtest 4	18.92	18.98	18.90	19.50
	Subtest 5	21.15	21.23	21.18	21.50
DC-HSDPA	Subtest 1	21.15	21.08	21.09	21.30
	Subtest 2	21.27	21.29	21.20	21.30
	Subtest 3	20.59	20.61	20.55	20.80
	Subtest 4	20.55	20.44	20.29	20.80
HSPA+	16QAM	19.12	19.20	19.09	20.30



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WCDMA Band IV state5					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	18.22	18.33	18.23	18.80
	12.2kbps AMR	18.18	18.35	18.26	18.80
HSDPA	Subtest 1	17.59	17.63	17.62	17.80
	Subtest 2	17.58	17.64	17.61	17.80
	Subtest 3	16.84	16.89	16.90	17.30
	Subtest 4	16.82	16.88	16.86	17.30
HSUPA	Subtest 1	17.50	17.89	17.53	18.00
	Subtest 2	15.30	15.42	15.36	16.00
	Subtest 3	16.30	16.41	16.36	17.00
	Subtest 4	15.31	15.41	15.37	16.00
	Subtest 5	17.56	17.63	17.59	18.00
DC-HSDPA	Subtest 1	17.51	17.69	17.66	17.80
	Subtest 2	17.68	17.74	17.67	17.80
	Subtest 3	16.79	16.98	16.91	17.30
	Subtest 4	16.84	16.94	16.80	17.30
HSPA+	16QAM	15.54	15.65	15.58	16.80

WCDMA Band IV state8					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	19.79	19.87	19.77	20.30
	12.2kbps AMR	19.72	19.78	19.80	20.30
HSDPA	Subtest 1	19.18	19.24	19.17	19.30
	Subtest 2	19.18	19.24	19.18	19.30
	Subtest 3	18.43	18.50	18.47	18.80
	Subtest 4	18.38	18.46	18.43	18.80
HSUPA	Subtest 1	19.22	19.01	18.97	19.50
	Subtest 2	16.95	17.01	16.96	17.50
	Subtest 3	17.91	17.98	17.97	18.50
	Subtest 4	16.94	17.01	17.00	17.50
	Subtest 5	19.17	19.25	19.22	19.50
DC-HSDPA	Subtest 1	19.15	19.23	19.11	19.30
	Subtest 2	19.20	19.28	19.14	19.30
	Subtest 3	18.47	18.52	18.47	18.80
	Subtest 4	18.45	18.44	18.34	18.80
HSPA+	16QAM	17.19	17.22	17.24	18.30



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WCDMA Band IV state10					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	17.31	17.45	17.37	17.80
	12.2kbps AMR	17.22	17.39	17.38	17.80
HSDPA	Subtest 1	16.67	16.77	16.70	16.80
	Subtest 2	16.67	16.77	16.71	16.80
	Subtest 3	15.91	16.04	15.90	16.30
	Subtest 4	15.90	16.02	15.91	16.30
HSUPA	Subtest 1	16.71	16.79	16.74	17.00
	Subtest 2	14.44	14.52	14.48	15.00
	Subtest 3	15.41	15.51	15.50	16.00
	Subtest 4	14.44	14.51	14.47	15.00
	Subtest 5	16.68	16.78	16.76	17.00
DC-HSDPA	Subtest 1	16.59	16.71	16.64	16.80
	Subtest 2	16.60	16.76	16.77	16.80
	Subtest 3	15.81	15.97	15.80	16.30
	Subtest 4	16.00	16.06	15.97	16.30
HSPA+	16QAM	14.66	14.74	14.66	15.80



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3.3 Conducted Power of LTE

LTE Band 2 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	20.14	20.33	20.23	21.00
		1	2	20.14	20.33	20.15	21.00
		1	5	20.06	20.30	20.29	21.00
		3	0	20.30	20.30	20.25	21.00
		3	2	20.42	20.29	20.19	21.00
		3	3	20.36	20.44	20.30	21.00
		6	0	20.29	20.24	20.31	21.00
	16QAM	1	0	20.42	20.54	20.33	21.00
		1	2	20.43	20.54	20.41	21.00
		1	5	20.49	20.36	20.38	21.00
		3	0	20.28	20.23	20.37	21.00
		3	2	20.41	20.39	20.19	21.00
		3	3	20.42	20.36	20.32	21.00
		6	0	20.39	20.34	20.12	21.00
	64QAM	1	0	20.12	20.18	20.28	21.00
		1	2	20.32	20.40	20.22	21.00
		1	5	20.13	20.15	20.10	21.00
		3	0	20.44	20.21	20.32	21.00
		3	2	20.38	20.35	20.29	21.00
		3	3	20.19	20.37	20.42	21.00
		6	0	20.22	20.40	20.19	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	20.25	20.32	20.21	21.00
		1	7	20.17	20.25	20.25	21.00
		1	14	20.03	20.18	20.30	21.00
		8	0	20.22	20.40	20.35	21.00
		8	4	20.38	20.25	20.26	21.00
		8	7	20.43	20.42	20.25	21.00
		15	0	20.36	20.26	20.26	21.00
	16QAM	1	0	20.51	20.54	20.39	21.00
		1	7	20.39	20.61	20.30	21.00
		1	14	20.34	20.44	20.42	21.00
		8	0	20.30	20.21	20.31	21.00
		8	4	20.30	20.31	20.23	21.00
		8	7	20.30	20.30	20.19	21.00
		15	0	20.37	20.21	20.23	21.00



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		1	0	20.24	20.30	20.23	21.00
		1	7	20.27	20.27	20.22	21.00
		1	14	20.00	20.29	20.13	21.00
	64QAM	8	0	20.25	20.21	20.24	21.00
		8	4	20.27	20.39	20.26	21.00
		8	7	20.35	20.42	20.27	21.00
		15	0	20.37	20.40	20.35	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	20.27	20.24	20.19	21.00
		1	13	20.11	20.22	20.20	21.00
		1	24	20.04	20.22	20.24	21.00
		12	0	20.18	20.29	20.35	21.00
		12	6	20.22	20.15	20.33	21.00
		12	13	20.39	20.33	20.27	21.00
		25	0	20.44	20.10	20.18	21.00
	16QAM	1	0	20.45	20.37	20.42	21.00
		1	13	20.47	20.67	20.29	21.00
		1	24	20.46	20.46	20.39	21.00
		12	0	20.29	20.26	20.23	21.00
		12	6	20.47	20.25	20.12	21.00
		12	13	20.38	20.28	20.19	21.00
		25	0	20.33	20.28	20.16	21.00
	64QAM	1	0	20.05	20.21	20.20	21.00
		1	13	20.24	20.43	20.28	21.00
		1	24	20.08	20.14	20.00	21.00
		12	0	20.37	20.33	20.40	21.00
		12	6	20.39	20.41	20.28	21.00
		12	13	20.19	20.38	20.40	21.00
		25	0	20.30	20.31	20.33	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	20.22	20.29	20.22	21.00
		1	25	20.19	20.24	20.15	21.00
		1	49	20.01	20.24	20.34	21.00
		25	0	20.30	20.41	20.31	21.00
		25	13	20.24	20.24	20.21	21.00
		25	25	20.45	20.43	20.32	21.00
		50	0	20.34	20.15	20.26	21.00
	16QAM	1	0	20.49	20.48	20.49	21.00
		1	25	20.38	20.54	20.42	21.00
		1	49	20.37	20.46	20.51	21.00
		25	0	20.36	20.13	20.33	21.00



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		25	13	20.47	20.28	20.15	21.00
		25	25	20.37	20.32	20.21	21.00
		50	0	20.28	20.19	20.16	21.00
	64QAM	1	0	20.16	20.21	20.15	21.00
		1	25	20.38	20.28	20.28	21.00
		1	49	20.10	20.14	20.06	21.00
		25	0	20.28	20.24	20.32	21.00
		25	13	20.43	20.31	20.33	21.00
		25	25	20.34	20.26	20.37	21.00
		50	0	20.33	20.32	20.30	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	20.20	20.25	20.20	21.00
		1	38	20.06	20.25	20.28	21.00
		1	74	20.08	20.28	20.33	21.00
		36	0	20.20	20.43	20.35	21.00
		36	18	20.29	20.29	20.36	21.00
		36	39	20.46	20.37	20.40	21.00
		75	0	20.43	20.15	20.19	21.00
	16QAM	1	0	20.36	20.42	20.35	21.00
		1	38	20.44	20.63	20.35	21.00
		1	74	20.44	20.50	20.42	21.00
		36	0	20.28	20.17	20.30	21.00
		36	18	20.37	20.26	20.27	21.00
		36	39	20.32	20.42	20.21	21.00
		75	0	20.33	20.26	20.32	21.00
	64QAM	1	0	20.25	20.18	20.28	21.00
		1	38	20.31	20.42	20.41	21.00
		1	74	20.04	20.30	20.05	21.00
		36	0	20.37	20.29	20.34	21.00
		36	18	20.34	20.42	20.29	21.00
		36	39	20.35	20.28	20.32	21.00
		75	0	20.39	20.40	20.28	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	20.19	20.29	20.15	21.00
		1	50	20.12	20.25	20.24	21.00
		1	99	20.09	20.24	20.29	21.00
		50	0	20.28	20.37	20.25	21.00
		50	25	20.32	20.25	20.29	21.00
		50	50	20.36	20.35	20.32	21.00
		100	0	20.37	20.16	20.23	21.00
	16QAM	1	0	20.44	20.46	20.39	21.00



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		1	50	20.46	20.58	20.38	21.00
		1	99	20.40	20.43	20.41	21.00
		50	0	20.30	20.23	20.27	21.00
		50	25	20.40	20.31	20.21	21.00
		50	50	20.36	20.33	20.27	21.00
		100	0	20.31	20.26	20.22	21.00
	64QAM	1	0	20.15	20.24	20.24	21.00
		1	50	20.28	20.33	20.31	21.00
		1	99	20.08	20.23	20.05	21.00
		50	0	20.35	20.23	20.30	21.00
		50	25	20.35	20.32	20.26	21.00
		50	50	20.27	20.32	20.33	21.00
		100	0	20.31	20.33	20.28	21.00

LTE Band 2 state5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	18.07	18.71	18.42	19.00
		1	2	18.19	18.31	18.22	19.00
		1	5	17.98	18.01	18.23	19.00
		3	0	18.39	18.28	18.16	19.00
		3	2	18.27	18.15	18.13	19.00
		3	3	18.22	18.24	18.11	19.00
		6	0	18.29	18.40	18.19	19.00
	16QAM	1	0	18.30	18.62	18.50	19.00
		1	2	18.13	18.83	18.65	19.00
		1	5	18.65	18.57	18.45	19.00
		3	0	18.27	18.26	18.20	19.00
		3	2	18.34	18.32	18.19	19.00
		3	3	18.50	18.40	18.28	19.00
		6	0	18.27	18.27	18.23	19.00
	64QAM	1	0	18.41	18.03	18.46	19.00
		1	2	18.30	18.33	18.05	19.00
		1	5	18.20	18.33	18.18	19.00
		3	0	18.45	18.36	18.13	19.00
		3	2	18.27	18.31	18.27	19.00
		3	3	18.44	18.44	18.34	19.00
		6	0	18.28	18.31	18.08	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	18.06	18.73	18.48	19.00
		1	7	18.17	18.38	18.14	19.00



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		1	14	18.14	18.00	18.21	19.00
		8	0	18.38	18.39	18.30	19.00
		8	4	18.26	18.27	18.23	19.00
		8	7	18.26	18.29	18.21	19.00
		15	0	18.12	18.39	18.12	19.00
	16QAM	1	0	18.49	18.51	18.50	19.00
		1	7	18.15	18.79	18.56	19.00
		1	14	18.51	18.74	18.35	19.00
		8	0	18.38	18.31	18.25	19.00
		8	4	18.32	18.41	18.20	19.00
		8	7	18.33	18.45	18.43	19.00
		15	0	18.36	18.26	18.19	19.00
	64QAM	1	0	18.39	18.18	18.41	19.00
		1	7	18.27	18.33	18.24	19.00
		1	14	18.27	18.38	18.24	19.00
		8	0	18.28	18.37	18.14	19.00
		8	4	18.42	18.23	18.17	19.00
		8	7	18.32	18.42	18.49	19.00
		15	0	18.39	18.40	18.24	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.03	18.74	18.31	19.00
		1	13	18.07	18.38	18.06	19.00
		1	24	17.95	18.09	18.23	19.00
		12	0	18.20	18.32	18.24	19.00
		12	6	18.19	18.30	18.14	19.00
		12	13	18.37	18.14	18.17	19.00
		25	0	18.19	18.30	18.16	19.00
	16QAM	1	0	18.29	18.53	18.47	19.00
		1	13	18.18	18.79	18.66	19.00
		1	24	18.54	18.75	18.45	19.00
		12	0	18.42	18.24	18.34	19.00
		12	6	18.27	18.32	18.19	19.00
		12	13	18.39	18.44	18.29	19.00
		25	0	18.34	18.28	18.31	19.00
	64QAM	1	0	18.44	18.14	18.44	19.00
		1	13	18.25	18.36	18.17	19.00
		1	24	18.15	18.45	18.33	19.00
		12	0	18.27	18.38	18.20	19.00
		12	6	18.26	18.20	18.16	19.00
		12	13	18.34	18.42	18.42	19.00
		25	0	18.30	18.35	18.07	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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Bandwidth	Modulation	RB size	RB offset	18650	18900	19150	Tune up
				Channel 18675	Channel 18900	Channel 19125	
10MHz	QPSK	1	0	18.01	18.64	18.33	19.00
		1	25	18.19	18.34	18.11	19.00
		1	49	18.07	18.01	18.15	19.00
		25	0	18.31	18.39	18.16	19.00
		25	13	18.17	18.30	18.20	19.00
		25	25	18.32	18.15	18.13	19.00
		50	0	18.13	18.26	18.28	19.00
	16QAM	1	0	18.32	18.62	18.57	19.00
		1	25	18.25	18.71	18.47	19.00
		1	49	18.57	18.61	18.36	19.00
		25	0	18.27	18.34	18.38	19.00
		25	13	18.22	18.36	18.20	19.00
		25	25	18.36	18.43	18.38	19.00
		50	0	18.30	18.31	18.30	19.00
	64QAM	1	0	18.43	18.05	18.54	19.00
		1	25	18.35	18.48	18.12	19.00
		1	49	18.26	18.48	18.20	19.00
		25	0	18.26	18.33	18.10	19.00
		25	13	18.41	18.24	18.32	19.00
		25	25	18.40	18.43	18.33	19.00
		50	0	18.43	18.34	18.16	19.00
15MHz	QPSK	1	0	18.15	18.66	18.41	19.00
		1	38	18.08	18.36	18.08	19.00
		1	74	18.07	18.07	18.07	19.00
		36	0	18.26	18.42	18.14	19.00
		36	18	18.14	18.34	18.23	19.00
		36	39	18.20	18.28	18.14	19.00
		75	0	18.12	18.29	18.10	19.00
	16QAM	1	0	18.32	18.56	18.59	19.00
		1	38	18.21	18.73	18.53	19.00
		1	74	18.53	18.65	18.40	19.00
		36	0	18.28	18.28	18.29	19.00
		36	18	18.24	18.35	18.18	19.00
		36	39	18.50	18.49	18.38	19.00
		75	0	18.27	18.20	18.19	19.00
	64QAM	1	0	18.44	18.05	18.60	19.00
		1	38	18.23	18.41	18.07	19.00
		1	74	18.07	18.39	18.23	19.00
		36	0	18.32	18.27	18.27	19.00
		36	18	18.34	18.37	18.15	19.00



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		36	39	18.41	18.42	18.50	19.00
		75	0	18.33	18.29	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	18.11	18.68	18.41	19.00
		1	50	18.10	18.38	18.15	19.00
		1	99	18.05	18.06	18.17	19.00
		50	0	18.29	18.36	18.20	19.00
		50	25	18.23	18.25	18.20	19.00
		50	50	18.27	18.23	18.20	19.00
		100	0	18.20	18.34	18.18	19.00
	16QAM	1	0	18.39	18.52	18.57	19.00
		1	50	18.21	18.78	18.57	19.00
		1	99	18.55	18.66	18.40	19.00
		50	0	18.36	18.29	18.28	19.00
		50	25	18.32	18.32	18.15	19.00
		50	50	18.41	18.41	18.34	19.00
		100	0	18.35	18.26	18.28	19.00
	64QAM	1	0	18.42	18.11	18.50	19.00
		1	50	18.26	18.42	18.14	19.00
		1	99	18.17	18.41	18.25	19.00
		50	0	18.36	18.28	18.17	19.00
		50	25	18.36	18.29	18.24	19.00
		50	50	18.40	18.37	18.40	19.00
		100	0	18.35	18.31	18.17	19.00

LTE Band 2 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	18.90	19.13	18.86	19.50
		1	2	19.09	18.70	18.81	19.50
		1	5	18.75	18.62	18.76	19.50
		3	0	18.87	19.05	18.79	19.50
		3	2	19.05	18.79	18.71	19.50
		3	3	19.00	18.80	18.80	19.50
		6	0	18.92	18.83	18.74	19.50
	16QAM	1	0	18.40	18.84	19.04	19.50
		1	2	19.02	19.23	19.06	19.50
		1	5	19.08	19.03	18.74	19.50
		3	0	18.83	18.79	18.92	19.50
		3	2	19.07	18.73	18.78	19.50



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		3	3	18.97	19.04	19.02	19.50
		6	0	18.84	18.69	18.82	19.50
	64QAM	1	0	18.71	18.95	18.84	19.50
		1	2	18.89	18.60	18.83	19.50
		1	5	18.92	18.85	18.75	19.50
		3	0	18.87	18.78	18.73	19.50
		3	2	18.98	18.75	18.82	19.50
		3	3	18.88	18.90	18.81	19.50
		6	0	18.77	18.74	18.68	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	18.83	19.24	18.88	19.50
		1	7	19.07	18.69	18.62	19.50
		1	14	18.86	18.61	18.68	19.50
		8	0	18.98	19.07	18.78	19.50
		8	4	18.89	18.84	18.74	19.50
		8	7	18.95	18.92	18.89	19.50
		15	0	18.87	18.76	18.77	19.50
	16QAM	1	0	18.37	18.91	19.04	19.50
		1	7	18.94	19.29	18.99	19.50
		1	14	18.98	18.97	18.72	19.50
		8	0	18.88	18.70	18.88	19.50
		8	4	19.04	18.77	18.84	19.50
		8	7	18.79	19.04	19.02	19.50
		15	0	18.86	18.74	18.72	19.50
	64QAM	1	0	18.76	18.86	18.72	19.50
		1	7	18.93	18.56	18.84	19.50
		1	14	18.84	18.87	18.78	19.50
		8	0	18.89	18.76	18.70	19.50
		8	4	18.95	18.73	18.80	19.50
		8	7	18.98	18.83	18.83	19.50
		15	0	18.79	18.89	18.74	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.95	19.23	18.73	19.50
		1	13	19.21	18.76	18.76	19.50
		1	24	18.68	18.57	18.65	19.50
		12	0	18.81	19.05	18.68	19.50
		12	6	18.90	18.95	18.73	19.50
		12	13	18.97	18.96	18.91	19.50
		25	0	18.91	18.88	18.71	19.50
	16QAM	1	0	18.24	18.81	19.24	19.50
		1	13	18.95	19.30	19.04	19.50



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		1	24	18.96	19.12	18.66	19.50
		12	0	18.94	18.88	18.77	19.50
		12	6	19.03	18.73	18.77	19.50
		12	13	18.97	18.91	19.00	19.50
		25	0	18.81	18.67	18.84	19.50
	64QAM	1	0	18.73	18.91	18.89	19.50
		1	13	18.91	18.75	18.85	19.50
		1	24	18.90	18.89	18.78	19.50
		12	0	18.87	18.76	18.77	19.50
		12	6	18.98	18.88	18.73	19.50
		12	13	18.98	19.03	18.81	19.50
		25	0	18.81	18.92	18.73	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	18.93	19.18	18.69	19.50
		1	25	19.07	18.85	18.64	19.50
		1	49	18.76	18.62	18.78	19.50
		25	0	18.89	19.02	18.84	19.50
		25	13	19.06	18.81	18.77	19.50
		25	25	18.89	18.85	18.86	19.50
		50	0	18.89	18.75	18.73	19.50
	16QAM	1	0	18.37	18.92	19.12	19.50
		1	25	18.95	19.29	19.05	19.50
		1	49	18.95	19.07	18.83	19.50
		25	0	18.99	18.87	18.78	19.50
		25	13	19.01	18.68	18.89	19.50
		25	25	18.84	19.05	18.99	19.50
		50	0	18.86	18.77	18.70	19.50
	64QAM	1	0	18.81	18.82	18.81	19.50
		1	25	18.84	18.76	18.77	19.50
		1	49	18.97	18.86	18.79	19.50
		25	0	18.80	18.85	18.73	19.50
		25	13	18.80	18.90	18.68	19.50
		25	25	19.02	18.96	18.92	19.50
		50	0	18.85	18.90	18.75	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	18.92	19.19	18.77	19.50
		1	38	19.05	18.82	18.78	19.50
		1	74	18.85	18.61	18.64	19.50
		36	0	18.98	18.99	18.69	19.50
		36	18	18.87	18.93	18.78	19.50
		36	39	19.03	18.87	18.88	19.50



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		75	0	18.97	18.80	18.68	19.50
		1	0	18.38	18.95	19.22	19.50
		1	38	18.99	19.30	19.02	19.50
		1	74	18.93	19.01	18.73	19.50
		36	0	18.91	18.70	18.82	19.50
		36	18	19.05	18.67	18.75	19.50
		36	39	18.79	18.85	19.04	19.50
		75	0	18.95	18.82	18.78	19.50
		1	0	18.65	18.92	18.78	19.50
		1	38	18.97	18.57	18.77	19.50
		1	74	18.94	18.78	18.68	19.50
		36	0	18.88	18.85	18.78	19.50
		36	18	18.91	18.90	18.79	19.50
		36	39	18.95	18.85	18.94	19.50
		75	0	18.91	18.80	18.82	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	18.92	19.18	18.78	19.50
		1	50	19.15	18.78	18.72	19.50
		1	99	18.76	18.67	18.74	19.50
		50	0	18.88	18.97	18.76	19.50
		50	25	18.96	18.85	18.76	19.50
		50	50	18.93	18.90	18.89	19.50
		100	0	18.88	18.81	18.73	19.50
	16QAM	1	0	18.34	18.90	19.14	19.50
		1	50	19.03	19.33	18.96	19.50
		1	99	19.00	19.02	18.75	19.50
		50	0	18.93	18.80	18.82	19.50
		50	25	18.99	18.76	18.82	19.50
		50	50	18.87	18.95	18.94	19.50
		100	0	18.88	18.77	18.79	19.50
	64QAM	1	0	18.72	18.87	18.82	19.50
		1	50	18.87	18.66	18.76	19.50
		1	99	18.92	18.79	18.78	19.50
		50	0	18.89	18.80	18.80	19.50
		50	25	18.89	18.82	18.72	19.50
		50	50	18.94	18.93	18.84	19.50
		100	0	18.86	18.82	18.76	19.50

LTE Band 2 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				18607	18900	19193	
1.4MHz	QPSK	1	0	17.18	17.38	17.42	18.00
		1	2	17.17	17.16	17.19	18.00
		1	5	17.11	17.11	17.14	18.00
		3	0	17.36	17.17	17.37	18.00
		3	2	17.43	17.31	17.40	18.00
		3	3	17.37	17.46	17.47	18.00
		6	0	17.44	17.21	17.35	18.00
	16QAM	1	0	17.36	17.69	17.37	18.00
		1	2	17.69	17.69	17.41	18.00
		1	5	17.40	17.64	17.39	18.00
		3	0	17.45	17.31	17.18	18.00
		3	2	17.35	17.30	17.18	18.00
		3	3	17.29	17.32	17.17	18.00
		6	0	17.41	17.30	17.29	18.00
	64QAM	1	0	17.30	17.30	17.27	18.00
		1	2	17.24	17.37	17.19	18.00
		1	5	17.23	17.31	17.22	18.00
		3	0	17.47	17.16	17.29	18.00
		3	2	17.28	17.25	17.29	18.00
		3	3	17.32	17.46	17.32	18.00
		6	0	17.34	17.25	17.15	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	17.13	17.49	17.40	18.00
		1	7	17.21	17.26	17.17	18.00
		1	14	17.14	17.13	17.12	18.00
		8	0	17.20	17.19	17.33	18.00
		8	4	17.41	17.28	17.20	18.00
		8	7	17.43	17.36	17.44	18.00
		15	0	17.34	17.37	17.29	18.00
	16QAM	1	0	17.37	17.70	17.42	18.00
		1	7	17.74	17.50	17.45	18.00
		1	14	17.50	17.57	17.54	18.00
		8	0	17.46	17.35	17.33	18.00
		8	4	17.30	17.40	17.20	18.00
		8	7	17.34	17.34	17.26	18.00
		15	0	17.35	17.38	17.28	18.00
	64QAM	1	0	17.36	17.42	17.21	18.00
		1	7	17.18	17.38	17.16	18.00
		1	14	17.20	17.23	17.20	18.00
		8	0	17.28	17.23	17.18	18.00
		8	4	17.47	17.14	17.14	18.00



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		8	7	17.34	17.40	17.48	18.00
		15	0	17.40	17.23	17.22	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.14	17.53	17.42	18.00
		1	13	17.09	17.27	17.25	18.00
		1	24	17.22	17.22	17.06	18.00
		12	0	17.35	17.19	17.25	18.00
		12	6	17.41	17.30	17.21	18.00
		12	13	17.38	17.37	17.33	18.00
		25	0	17.44	17.32	17.29	18.00
	16QAM	1	0	17.39	17.76	17.49	18.00
		1	13	17.74	17.57	17.33	18.00
		1	24	17.36	17.59	17.54	18.00
		12	0	17.44	17.40	17.21	18.00
		12	6	17.43	17.47	17.29	18.00
		12	13	17.29	17.33	17.25	18.00
		25	0	17.37	17.32	17.16	18.00
	64QAM	1	0	17.20	17.33	17.20	18.00
		1	13	17.19	17.48	17.13	18.00
		1	24	17.39	17.22	17.22	18.00
		12	0	17.42	17.27	17.26	18.00
		12	6	17.37	17.27	17.25	18.00
		12	13	17.27	17.27	17.29	18.00
		25	0	17.46	17.29	17.15	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	17.20	17.38	17.42	18.00
		1	25	17.01	17.32	17.24	18.00
		1	49	17.13	17.10	16.99	18.00
		25	0	17.20	17.21	17.38	18.00
		25	13	17.31	17.19	17.29	18.00
		25	25	17.42	17.32	17.45	18.00
		50	0	17.43	17.29	17.24	18.00
	16QAM	1	0	17.26	17.61	17.52	18.00
		1	25	17.76	17.70	17.32	18.00
		1	49	17.56	17.64	17.54	18.00
		25	0	17.34	17.25	17.19	18.00
		25	13	17.41	17.46	17.36	18.00
		25	25	17.29	17.34	17.18	18.00
		50	0	17.39	17.27	17.16	18.00
	64QAM	1	0	17.30	17.42	17.11	18.00
		1	25	17.17	17.35	17.28	18.00



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		1	49	17.36	17.25	17.23	18.00
		25	0	17.34	17.29	17.35	18.00
		25	13	17.40	17.31	17.16	18.00
		25	25	17.29	17.36	17.46	18.00
		50	0	17.54	17.37	17.16	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.17	17.53	17.39	18.00
		1	38	17.05	17.12	17.16	18.00
		1	74	17.06	17.22	17.09	18.00
		36	0	17.24	17.17	17.25	18.00
		36	18	17.40	17.27	17.34	18.00
		36	39	17.30	17.44	17.41	18.00
		75	0	17.31	17.36	17.39	18.00
	16QAM	1	0	17.21	17.59	17.46	18.00
		1	38	17.74	17.52	17.42	18.00
		1	74	17.41	17.59	17.47	18.00
		36	0	17.45	17.36	17.16	18.00
		36	18	17.40	17.45	17.34	18.00
		36	39	17.37	17.40	17.27	18.00
		75	0	17.31	17.25	17.19	18.00
	64QAM	1	0	17.24	17.46	17.17	18.00
		1	38	17.29	17.48	17.24	18.00
		1	74	17.21	17.35	17.36	18.00
		36	0	17.35	17.30	17.21	18.00
		36	18	17.41	17.16	17.14	18.00
		36	39	17.44	17.39	17.47	18.00
		75	0	17.41	17.30	17.29	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.19	17.45	17.44	18.00
		1	50	17.11	17.22	17.17	18.00
		1	99	17.13	17.15	17.08	18.00
		50	0	17.28	17.22	17.29	18.00
		50	25	17.37	17.25	17.30	18.00
		50	50	17.37	17.36	17.41	18.00
		100	0	17.38	17.27	17.34	18.00
	16QAM	1	0	17.31	17.67	17.44	18.00
		1	50	17.68	17.60	17.40	18.00
		1	99	17.46	17.64	17.45	18.00
		50	0	17.42	17.30	17.25	18.00
		50	25	17.33	17.37	17.27	18.00
		50	50	17.34	17.39	17.27	18.00



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		100	0	17.36	17.30	17.20	18.00
		1	0	17.26	17.36	17.17	18.00
		1	50	17.20	17.41	17.22	18.00
		1	99	17.30	17.25	17.29	18.00
	64QAM	50	0	17.37	17.22	17.25	18.00
		50	25	17.37	17.21	17.23	18.00
		50	50	17.37	17.37	17.38	18.00
		100	0	17.44	17.29	17.23	18.00

LTE Band 4 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.81	22.00	21.97	22.50
		1	2	22.03	21.83	21.76	22.50
		1	5	22.21	22.41	22.32	22.50
		3	0	21.89	22.00	22.05	22.50
		3	2	21.99	21.96	21.89	22.50
		3	3	22.01	22.22	22.02	22.50
		6	0	21.96	21.97	21.88	22.50
	16QAM	1	0	21.89	22.16	22.29	22.50
		1	2	22.19	22.22	22.05	22.50
		1	5	22.13	22.03	22.19	22.50
		3	0	21.91	22.02	22.02	22.50
		3	2	22.09	21.96	21.92	22.50
		3	3	22.14	22.25	22.07	22.50
		6	0	21.96	22.03	21.95	22.50
	64QAM	1	0	21.69	21.41	21.73	22.50
		1	2	21.91	21.97	21.93	22.50
		1	5	22.13	22.17	22.19	22.50
		3	0	21.37	21.32	21.44	22.50
		3	2	21.41	21.49	21.49	22.50
		3	3	21.38	21.40	21.54	22.50
		6	0	21.85	21.94	21.75	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.82	22.08	22.09	22.50
		1	7	22.14	21.92	21.71	22.50
		1	14	22.34	22.25	22.37	22.50
		8	0	22.00	22.06	22.00	22.50
		8	4	22.00	22.00	22.05	22.50
		8	7	22.09	22.10	22.18	22.50



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		15	0	22.01	22.13	21.97	22.50
		1	0	21.81	22.02	22.11	22.50
		1	7	22.26	22.19	22.18	22.50
		1	14	22.11	22.20	22.14	22.50
		8	0	21.90	21.97	22.01	22.50
		8	4	21.97	22.03	21.93	22.50
		8	7	21.99	22.30	22.10	22.50
		15	0	22.01	22.00	21.95	22.50
		1	0	21.79	21.55	21.90	22.50
		1	7	22.06	21.81	22.03	22.50
		1	14	22.07	22.12	22.15	22.50
		8	0	21.94	21.76	21.89	22.00
		8	4	21.75	21.94	21.92	22.00
		8	7	21.94	21.98	22.00	22.00
		15	0	21.90	21.85	21.83	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.76	22.05	22.13	22.50
		1	13	22.06	21.95	21.83	22.50
		1	24	22.25	22.15	22.23	22.50
		12	0	21.98	22.00	22.09	22.50
		12	6	21.98	22.01	21.94	22.50
		12	13	22.14	22.12	22.10	22.50
		25	0	22.09	22.07	21.94	22.50
	16QAM	1	0	21.77	22.11	22.12	22.50
		1	13	22.23	22.11	22.13	22.50
		1	24	22.07	22.20	22.00	22.50
		12	0	21.97	21.99	22.07	22.50
		12	6	22.05	22.15	21.98	22.50
		12	13	22.09	22.14	22.08	22.50
		25	0	22.02	22.03	22.01	22.50
	64QAM	1	0	21.75	21.37	21.89	22.50
		1	13	21.98	21.88	22.01	22.50
		1	24	21.97	22.06	22.10	22.50
		12	0	21.85	21.73	21.80	22.00
		12	6	21.74	21.84	21.90	22.00
		12	13	21.81	21.97	21.96	22.00
		25	0	21.74	21.92	21.91	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.85	21.93	22.14	22.50
		1	25	22.15	21.99	21.73	22.50
		1	49	22.36	22.32	22.18	22.50



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		25	0	22.00	21.99	22.00	22.50
		25	13	21.98	22.05	22.07	22.50
		25	25	22.02	22.05	22.05	22.50
		50	0	21.92	22.11	22.01	22.50
	16QAM	1	0	21.77	22.15	22.23	22.50
		1	25	22.31	22.18	22.04	22.50
		1	49	22.07	22.06	22.18	22.50
		25	0	21.91	22.01	22.14	22.50
		25	13	22.08	22.01	22.01	22.50
		25	25	21.97	22.14	22.11	22.50
		50	0	22.05	22.02	22.09	22.50
		1	0	21.83	21.39	21.85	22.50
	64QAM	1	25	21.90	21.82	21.93	22.50
		1	49	22.01	22.15	22.15	22.50
		25	0	21.88	21.74	21.81	22.00
		25	13	21.78	21.84	21.79	22.00
		25	25	21.83	21.95	21.86	22.00
		50	0	21.94	21.99	21.78	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.69	22.05	22.07	22.50
		1	38	22.04	21.85	21.80	22.50
		1	74	22.30	22.30	22.18	22.50
		36	0	21.93	21.97	22.11	22.50
		36	18	22.07	22.02	22.01	22.50
		36	39	22.12	22.20	22.21	22.50
		75	0	21.98	22.05	21.90	22.50
	16QAM	1	0	21.75	22.03	22.29	22.50
		1	38	22.20	22.13	22.12	22.50
		1	74	22.17	22.10	22.17	22.50
		36	0	21.95	22.03	22.06	22.50
		36	18	22.01	22.02	21.96	22.50
		36	39	22.14	22.30	22.11	22.50
		75	0	21.93	22.10	22.07	22.50
	64QAM	1	0	21.76	21.40	21.77	22.50
		1	38	21.99	21.98	21.89	22.50
		1	74	22.14	22.15	22.09	22.50
		36	0	21.95	21.84	21.78	22.00
		36	18	21.75	21.98	21.94	22.00
		36	39	21.85	21.91	21.91	22.00
		75	0	21.85	21.91	21.91	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	



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20MHz	QPSK	1	0	21.77	22.02	22.07	22.50
		1	50	22.09	21.93	21.80	22.50
		1	99	22.27	22.32	22.27	22.50
		50	0	21.92	22.04	22.05	22.50
		50	25	22.03	22.06	21.99	22.50
		50	50	22.05	22.14	22.12	22.50
		100	0	22.02	22.07	21.95	22.50
	16QAM	1	0	21.81	22.12	22.21	22.50
		1	50	22.24	22.13	22.09	22.50
		1	99	22.12	22.12	22.10	22.50
		50	0	21.98	22.00	22.07	22.50
		50	25	22.03	22.05	22.00	22.50
		50	50	22.07	22.21	22.12	22.50
		100	0	22.00	22.02	22.03	22.50
	64QAM	1	0	21.73	21.47	21.80	22.50
		1	50	21.97	21.91	21.99	22.50
		1	99	22.04	22.15	22.10	22.50
		50	0	21.97	21.81	21.88	22.00
		50	25	21.83	21.94	21.89	22.00
		50	50	21.88	21.98	21.94	22.00
		100	0	22.00	21.95	21.84	22.00

LTE Band 4 state5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	18.22	18.26	18.68	19.00
		1	2	18.25	18.34	18.53	19.00
		1	5	18.46	18.41	18.43	19.00
		3	0	18.20	18.45	18.39	19.00
		3	2	18.39	18.42	18.39	19.00
		3	3	18.50	18.58	18.56	19.00
		6	0	18.34	18.54	18.35	19.00
	16QAM	1	0	18.43	18.64	18.53	19.00
		1	2	18.76	18.78	18.80	19.00
		1	5	18.70	18.69	18.59	19.00
		3	0	18.29	18.46	18.42	19.00
		3	2	18.43	18.47	18.42	19.00
		3	3	18.44	18.43	18.56	19.00
		6	0	18.45	18.32	18.59	19.00
	64QAM	1	0	18.39	18.28	18.62	19.00
		1	2	18.27	18.56	18.61	19.00



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		1	5	18.64	18.67	18.41	19.00
		3	0	18.28	18.39	18.57	19.00
		3	2	18.36	18.33	18.44	19.00
		3	3	18.39	18.43	18.50	19.00
		6	0	18.48	18.49	18.49	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	18.15	18.34	18.52	19.00
		1	7	18.19	18.29	18.52	19.00
		1	14	18.57	18.36	18.53	19.00
		8	0	18.24	18.35	18.53	19.00
		8	4	18.50	18.40	18.46	19.00
		8	7	18.47	18.57	18.42	19.00
		15	0	18.48	18.38	18.45	19.00
	16QAM	1	0	18.47	18.47	18.46	19.00
		1	7	18.67	18.75	18.78	19.00
		1	14	18.66	18.71	18.62	19.00
		8	0	18.30	18.32	18.51	19.00
		8	4	18.44	18.53	18.49	19.00
		8	7	18.56	18.56	18.54	19.00
		15	0	18.48	18.38	18.57	19.00
	64QAM	1	0	18.50	18.25	18.66	19.00
		1	7	18.35	18.39	18.56	19.00
		1	14	18.56	18.66	18.48	19.00
		8	0	18.18	18.32	18.51	19.00
		8	4	18.41	18.33	18.43	19.00
		8	7	18.32	18.53	18.59	19.00
		15	0	18.49	18.34	18.41	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	18.21	18.23	18.67	19.00
		1	13	18.36	18.43	18.52	19.00
		1	24	18.58	18.35	18.54	19.00
		12	0	18.23	18.52	18.42	19.00
		12	6	18.45	18.39	18.39	19.00
		12	13	18.45	18.65	18.58	19.00
		25	0	18.35	18.38	18.52	19.00
	16QAM	1	0	18.47	18.50	18.53	19.00
		1	13	18.74	18.78	18.68	19.00
		1	24	18.68	18.62	18.64	19.00
		12	0	18.44	18.43	18.39	19.00
		12	6	18.34	18.42	18.41	19.00
		12	13	18.51	18.55	18.53	19.00



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		25	0	18.39	18.41	18.46	19.00
		1	0	18.45	18.39	18.63	19.00
		1	13	18.38	18.57	18.61	19.00
		1	24	18.52	18.75	18.49	19.00
		12	0	18.17	18.40	18.56	19.00
		12	6	18.33	18.27	18.56	19.00
		12	13	18.39	18.60	18.57	19.00
		25	0	18.43	18.35	18.35	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	18.11	18.17	18.61	19.00
		1	25	18.18	18.30	18.63	19.00
		1	49	18.63	18.27	18.44	19.00
		25	0	18.31	18.37	18.54	19.00
		25	13	18.49	18.49	18.51	19.00
		25	25	18.54	18.65	18.58	19.00
		50	0	18.43	18.36	18.35	19.00
	16QAM	1	0	18.43	18.55	18.57	19.00
		1	25	18.65	18.69	18.73	19.00
		1	49	18.72	18.72	18.67	19.00
		25	0	18.36	18.35	18.50	19.00
		25	13	18.49	18.49	18.38	19.00
		25	25	18.43	18.50	18.60	19.00
		50	0	18.49	18.48	18.52	19.00
	64QAM	1	0	18.46	18.40	18.61	19.00
		1	25	18.41	18.48	18.61	19.00
		1	49	18.55	18.74	18.60	19.00
		25	0	18.24	18.36	18.40	19.00
		25	13	18.31	18.36	18.49	19.00
		25	25	18.37	18.44	18.48	19.00
		50	0	18.35	18.39	18.40	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	18.09	18.32	18.68	19.00
		1	38	18.36	18.41	18.57	19.00
		1	74	18.46	18.33	18.45	19.00
		36	0	18.38	18.53	18.54	19.00
		36	18	18.46	18.40	18.50	19.00
		36	39	18.43	18.59	18.40	19.00
		75	0	18.39	18.46	18.33	19.00
	16QAM	1	0	18.44	18.50	18.61	19.00
		1	38	18.74	18.80	18.83	19.00
		1	74	18.67	18.78	18.54	19.00



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		36	0	18.30	18.30	18.48	19.00
		36	18	18.46	18.44	18.41	19.00
		36	39	18.45	18.57	18.41	19.00
		75	0	18.33	18.42	18.46	19.00
	64QAM	1	0	18.48	18.39	18.49	19.00
		1	38	18.35	18.57	18.53	19.00
		1	74	18.48	18.55	18.56	19.00
		36	0	18.29	18.37	18.57	19.00
		36	18	18.44	18.30	18.47	19.00
		36	39	18.46	18.59	18.62	19.00
		75	0	18.49	18.43	18.42	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	18.18	18.25	18.59	19.00
		1	50	18.27	18.33	18.56	19.00
		1	99	18.56	18.37	18.45	19.00
		50	0	18.30	18.45	18.49	19.00
		50	25	18.42	18.46	18.42	19.00
		50	50	18.46	18.60	18.50	19.00
		100	0	18.40	18.46	18.43	19.00
	16QAM	1	0	18.38	18.55	18.56	19.00
		1	50	18.69	18.85	18.73	19.00
		1	99	18.70	18.72	18.64	19.00
		50	0	18.36	18.39	18.47	19.00
		50	25	18.41	18.47	18.48	19.00
		50	50	18.46	18.51	18.51	19.00
		100	0	18.40	18.38	18.51	19.00
	64QAM	1	0	18.41	18.34	18.58	19.00
		1	50	18.34	18.49	18.53	19.00
		1	99	18.56	18.65	18.50	19.00
		50	0	18.25	18.39	18.48	19.00
		50	25	18.40	18.29	18.53	19.00
		50	50	18.41	18.50	18.53	19.00
		100	0	18.41	18.39	18.43	19.00

LTE Band 4 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	19.65	19.76	19.85	20.50
		1	2	19.90	20.13	19.84	20.50
		1	5	19.94	20.37	20.02	20.50



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		3	0	19.73	19.84	20.07	20.50
		3	2	19.94	19.92	19.94	20.50
		3	3	19.86	20.12	20.05	20.50
		6	0	19.96	19.96	20.01	20.50
	16QAM	1	0	19.82	19.99	20.34	20.50
		1	2	20.02	20.22	20.26	20.50
		1	5	19.76	20.30	19.94	20.50
		3	0	19.86	19.86	19.94	20.50
		3	2	19.88	20.06	19.97	20.50
		3	3	20.03	20.22	20.23	20.50
		6	0	19.91	20.11	20.01	20.50
	64QAM	1	0	19.49	19.77	19.98	20.50
		1	2	19.95	20.12	19.96	20.50
		1	5	19.85	20.18	20.13	20.50
		3	0	19.73	19.97	19.97	20.50
		3	2	19.87	19.98	20.03	20.50
		3	3	19.92	20.21	20.14	20.50
		6	0	19.98	20.08	19.95	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	19.68	19.77	20.00	20.50
		1	7	19.95	20.12	19.82	20.50
		1	14	20.05	20.32	20.02	20.50
		8	0	19.71	19.99	20.04	20.50
		8	4	19.95	19.95	20.00	20.50
		8	7	19.94	20.05	20.01	20.50
		15	0	19.92	20.03	19.96	20.50
	16QAM	1	0	19.84	19.99	20.37	20.50
		1	7	20.07	20.37	20.18	20.50
		1	14	19.68	20.23	20.05	20.50
		8	0	19.95	19.84	20.10	20.50
		8	4	19.88	20.01	19.94	20.50
		8	7	20.13	20.17	20.15	20.50
		15	0	19.91	20.15	20.00	20.50
	64QAM	1	0	19.49	19.79	20.00	20.50
		1	7	19.85	20.13	19.97	20.50
		1	14	19.89	20.19	19.97	20.50
		8	0	19.73	19.97	19.96	20.50
		8	4	19.86	19.96	19.95	20.50
		8	7	20.03	20.13	20.00	20.50
		15	0	19.96	20.02	19.92	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	



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5MHz	QPSK	1	0	19.62	19.84	19.91	20.50
		1	13	19.97	20.23	19.93	20.50
		1	24	19.93	20.43	20.00	20.50
		12	0	19.72	19.91	19.88	20.50
		12	6	19.98	19.97	20.08	20.50
		12	13	20.01	20.02	20.01	20.50
		25	0	20.03	19.88	19.95	20.50
	16QAM	1	0	19.92	20.16	20.34	20.50
		1	13	19.96	20.39	20.31	20.50
		1	24	19.85	20.22	20.07	20.50
		12	0	19.80	19.93	20.07	20.50
		12	6	20.03	20.09	19.95	20.50
		12	13	20.20	20.10	20.22	20.50
		25	0	19.93	20.12	20.01	20.50
	64QAM	1	0	19.65	19.91	19.97	20.50
		1	13	19.88	20.07	19.96	20.50
		1	24	19.87	20.21	19.98	20.50
		12	0	19.85	19.95	20.07	20.50
		12	6	19.94	19.92	20.01	20.50
		12	13	20.11	20.08	20.05	20.50
		25	0	19.88	20.11	20.06	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	19.67	19.82	20.04	20.50
		1	25	19.90	20.12	19.96	20.50
		1	49	20.07	20.33	19.99	20.50
		25	0	19.67	19.87	20.03	20.50
		25	13	19.87	19.87	20.02	20.50
		25	25	19.92	20.07	20.03	20.50
		50	0	19.88	19.88	20.06	20.50
	16QAM	1	0	19.90	20.18	20.49	20.50
		1	25	20.06	20.41	20.30	20.50
		1	49	19.80	20.29	20.06	20.50
		25	0	19.85	19.82	19.98	20.50
		25	13	19.92	20.12	20.01	20.50
		25	25	20.13	20.14	20.26	20.50
		50	0	19.91	19.96	20.13	20.50
	64QAM	1	0	19.63	19.88	19.98	20.50
		1	25	19.80	20.15	19.94	20.50
		1	49	19.81	20.17	20.01	20.50
		25	0	19.77	19.94	19.96	20.50
		25	13	19.95	19.96	19.90	20.50
		25	25	20.06	20.02	19.98	20.50



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		50	0	19.89	20.03	19.93	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	19.63	19.70	20.00	20.50
		1	38	19.92	20.18	19.87	20.50
		1	74	20.06	20.40	20.05	20.50
		36	0	19.81	19.94	19.87	20.50
		36	18	19.90	19.98	20.01	20.50
		36	39	19.97	20.18	20.02	20.50
		75	0	19.88	19.84	19.95	20.50
	16QAM	1	0	19.77	20.03	20.23	20.50
		1	38	20.05	20.37	20.37	20.50
		1	74	19.75	20.29	19.96	20.50
		36	0	19.93	19.93	20.11	20.50
		36	18	19.99	20.14	20.07	20.50
		36	39	20.06	20.13	20.17	20.50
		75	0	19.85	19.99	20.08	20.50
	64QAM	1	0	19.64	19.86	19.97	20.50
		1	38	19.85	20.15	19.98	20.50
		1	74	19.90	20.30	19.95	20.50
		36	0	19.85	19.89	19.98	20.50
		36	18	19.99	20.03	19.87	20.50
		36	39	20.03	20.19	20.14	20.50
		75	0	19.92	19.98	20.03	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	19.65	19.80	19.94	20.50
		1	50	19.91	20.22	19.92	20.50
		1	99	20.00	20.34	20.00	20.50
		50	0	19.75	19.91	19.97	20.50
		50	25	19.97	19.94	19.99	20.50
		50	50	19.92	20.08	20.05	20.50
		100	0	19.97	19.94	19.96	20.50
	16QAM	1	0	19.84	20.08	20.41	20.50
		1	50	20.05	20.32	20.27	20.50
		1	99	19.75	20.26	19.99	20.50
		50	0	19.87	19.89	20.01	20.50
		50	25	19.96	20.05	20.02	20.50
		50	50	20.10	20.15	20.17	20.50
		100	0	19.94	20.06	20.08	20.50
	64QAM	1	0	19.58	19.81	20.07	20.50
		1	50	19.86	20.07	20.02	20.50
		1	99	19.91	20.24	20.03	20.50



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		50	0	19.81	19.96	20.00	20.50
		50	25	19.95	19.94	19.97	20.50
		50	50	20.01	20.12	20.08	20.50
		100	0	19.93	20.05	19.98	20.50

LTE Band 4 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	17.05	17.42	17.32	18.00
		1	2	17.23	17.42	17.48	18.00
		1	5	17.45	17.35	17.96	18.00
		3	0	17.26	17.39	17.50	18.00
		3	2	17.47	17.44	17.42	18.00
		3	3	17.58	17.48	17.45	18.00
		6	0	17.33	17.33	17.48	18.00
	16QAM	1	0	17.66	17.50	17.68	18.00
		1	2	17.74	17.72	17.89	18.00
		1	5	17.71	17.69	17.67	18.00
		3	0	17.26	17.31	17.30	18.00
		3	2	17.40	17.52	17.48	18.00
		3	3	17.45	17.59	17.59	18.00
		6	0	17.47	17.49	17.44	18.00
	64QAM	1	0	17.19	17.25	17.33	18.00
		1	2	17.28	17.61	17.47	18.00
		1	5	17.50	17.71	17.46	18.00
		3	0	17.28	17.58	17.44	18.00
		3	2	17.40	17.37	17.52	18.00
		3	3	17.54	17.62	17.63	18.00
		6	0	17.49	17.46	17.45	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	17.24	17.38	17.19	18.00
		1	7	17.23	17.37	17.36	18.00
		1	14	17.51	17.46	17.94	18.00
		8	0	17.22	17.45	17.35	18.00
		8	4	17.52	17.48	17.44	18.00
		8	7	17.44	17.64	17.56	18.00
		15	0	17.33	17.40	17.32	18.00
	16QAM	1	0	17.66	17.58	17.71	18.00
		1	7	17.69	17.73	17.75	18.00
		1	14	17.71	17.99	17.66	18.00



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		8	0	17.22	17.46	17.34	18.00
		8	4	17.29	17.59	17.58	18.00
		8	7	17.41	17.54	17.56	18.00
		15	0	17.47	17.55	17.44	18.00
	64QAM	1	0	17.13	17.25	17.33	18.00
		1	7	17.38	17.53	17.58	18.00
		1	14	17.42	17.73	17.46	18.00
		8	0	17.26	17.52	17.42	18.00
		8	4	17.42	17.38	17.46	18.00
		8	7	17.53	17.53	17.54	18.00
		15	0	17.50	17.34	17.47	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.14	17.51	17.39	18.00
		1	13	17.40	17.33	17.39	18.00
		1	24	17.42	17.33	17.89	18.00
		12	0	17.26	17.41	17.48	18.00
		12	6	17.44	17.38	17.43	18.00
		12	13	17.57	17.47	17.43	18.00
		25	0	17.41	17.44	17.43	18.00
	16QAM	1	0	17.68	17.41	17.71	18.00
		1	13	17.72	17.59	17.88	18.00
		1	24	17.71	17.83	17.61	18.00
		12	0	17.18	17.36	17.47	18.00
		12	6	17.29	17.40	17.47	18.00
		12	13	17.57	17.53	17.51	18.00
		25	0	17.45	17.58	17.51	18.00
	64QAM	1	0	17.12	17.29	17.35	18.00
		1	13	17.43	17.62	17.53	18.00
		1	24	17.48	17.72	17.43	18.00
		12	0	17.20	17.54	17.40	18.00
		12	6	17.43	17.32	17.53	18.00
		12	13	17.50	17.55	17.59	18.00
		25	0	17.45	17.38	17.38	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.20	17.34	17.30	18.00
		1	25	17.32	17.31	17.47	18.00
		1	49	17.44	17.44	17.92	18.00
		25	0	17.20	17.37	17.41	18.00
		25	13	17.47	17.54	17.49	18.00
		25	25	17.48	17.52	17.52	18.00
		50	0	17.37	17.43	17.30	18.00



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		1	0	17.52	17.59	17.67	18.00
		1	25	17.73	17.75	17.76	18.00
		1	49	17.67	17.74	17.66	18.00
	16QAM	25	0	17.23	17.40	17.43	18.00
		25	13	17.39	17.58	17.42	18.00
		25	25	17.57	17.57	17.66	18.00
		50	0	17.44	17.60	17.36	18.00
		1	0	17.25	17.28	17.37	18.00
		1	25	17.35	17.64	17.57	18.00
	64QAM	1	49	17.43	17.53	17.61	18.00
		25	0	17.22	17.41	17.37	18.00
		25	13	17.42	17.31	17.36	18.00
		25	25	17.42	17.60	17.50	18.00
		50	0	17.49	17.42	17.42	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
		1	0	17.24	17.44	17.20	18.00
		1	38	17.22	17.40	17.50	18.00
		1	74	17.47	17.42	17.94	18.00
	QPSK	36	0	17.15	17.43	17.34	18.00
		36	18	17.43	17.50	17.42	18.00
		36	39	17.62	17.56	17.53	18.00
		75	0	17.39	17.38	17.32	18.00
		1	0	17.62	17.45	17.66	18.00
		1	38	17.62	17.71	17.69	18.00
		1	74	17.72	17.84	17.79	18.00
	16QAM	36	0	17.26	17.33	17.42	18.00
		36	18	17.30	17.57	17.56	18.00
		36	39	17.49	17.53	17.58	18.00
		75	0	17.50	17.49	17.40	18.00
		1	0	17.22	17.28	17.24	18.00
		1	38	17.31	17.56	17.61	18.00
		1	74	17.49	17.69	17.54	18.00
	64QAM	36	0	17.26	17.40	17.33	18.00
		36	18	17.42	17.43	17.38	18.00
		36	39	17.53	17.50	17.65	18.00
		75	0	17.45	17.41	17.35	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
		1	0	17.15	17.42	17.29	18.00
		1	50	17.30	17.35	17.44	18.00
		1	99	17.46	17.41	17.89	18.00
	QPSK	50	0	17.22	17.42	17.41	18.00



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		50	25	17.48	17.44	17.45	18.00
		50	50	17.53	17.54	17.49	18.00
		100	0	17.39	17.42	17.40	18.00
	16QAM	1	0	17.61	17.49	17.68	18.00
		1	50	17.64	17.66	17.79	18.00
		1	99	17.66	17.92	17.70	18.00
		50	0	17.28	17.39	17.38	18.00
		50	25	17.39	17.50	17.49	18.00
		50	50	17.49	17.57	17.56	18.00
		100	0	17.40	17.50	17.45	18.00
	64QAM	1	0	17.19	17.28	17.27	18.00
		1	50	17.33	17.59	17.56	18.00
		1	99	17.41	17.63	17.51	18.00
		50	0	17.27	17.48	17.43	18.00
		50	25	17.37	17.40	17.43	18.00
		50	50	17.45	17.60	17.55	18.00
		100	0	17.41	17.39	17.45	18.00

LTE Band 7 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	19.89	19.92	20.03	20.50
		1	13	19.73	19.95	19.88	20.50
		1	24	19.56	19.47	19.62	20.50
		12	0	20.04	19.98	19.83	20.50
		12	6	20.07	19.79	19.72	20.50
		12	13	19.83	19.69	19.78	20.50
		25	0	19.91	19.84	19.94	20.50
	16QAM	1	0	19.90	19.95	19.86	20.50
		1	13	19.83	19.90	19.93	20.50
		1	24	19.99	19.85	19.77	20.50
		12	0	20.05	19.89	19.77	20.50
		12	6	20.08	19.82	20.00	20.50
		12	13	19.82	19.86	19.94	20.50
		25	0	19.89	19.75	19.85	20.50
	64QAM	1	0	19.76	19.46	19.72	20.50
		1	13	19.57	19.92	19.73	20.50
		1	24	19.66	19.75	19.65	20.50
		12	0	20.11	19.90	19.81	20.50



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		12	6	19.99	19.85	19.78	20.50
		12	13	19.99	19.82	19.89	20.50
		25	0	20.04	19.81	19.70	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	19.85	20.01	20.02	20.50
		1	25	19.78	19.95	19.87	20.50
		1	49	19.56	19.50	19.52	20.50
		25	0	20.00	20.01	19.88	20.50
		25	13	19.92	19.90	19.73	20.50
		25	25	19.89	19.70	19.83	20.50
		50	0	20.06	19.77	19.89	20.50
	16QAM	1	0	19.97	19.95	19.87	20.50
		1	25	19.92	19.93	20.01	20.50
		1	49	19.92	19.80	19.65	20.50
		25	0	20.04	19.82	19.97	20.50
		25	13	19.97	19.87	20.00	20.50
		25	25	19.87	19.80	20.00	20.50
		50	0	20.01	19.83	19.94	20.50
	64QAM	1	0	19.81	19.45	19.89	20.50
		1	25	19.65	19.89	19.78	20.50
		1	49	19.71	19.77	19.55	20.50
		25	0	19.95	19.92	19.85	20.50
		25	13	19.90	19.79	19.82	20.50
		25	25	20.05	19.67	19.95	20.50
		50	0	19.88	19.84	19.67	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.94	19.98	19.88	20.50
		1	38	19.76	19.86	19.73	20.50
		1	74	19.48	19.35	19.60	20.50
		36	0	20.00	19.95	19.74	20.50
		36	18	20.06	19.71	19.72	20.50
		36	39	19.96	19.82	19.91	20.50
		75	0	20.04	19.84	19.84	20.50
	16QAM	1	0	19.88	20.11	20.02	20.50
		1	38	19.94	19.79	19.99	20.50
		1	74	19.86	19.85	19.64	20.50
		36	0	20.06	19.88	19.80	20.50
		36	18	20.06	19.72	19.90	20.50



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		36	39	19.87	19.84	20.00	20.50
		75	0	19.95	19.86	19.85	20.50
	64QAM	1	0	19.67	19.45	19.83	20.50
		1	38	19.72	19.98	19.69	20.50
		1	74	19.77	19.82	19.66	20.50
		36	0	19.95	19.76	19.70	20.50
		36	18	19.92	19.80	19.87	20.50
		36	39	19.91	19.84	19.84	20.50
		75	0	19.96	19.87	19.72	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.88	19.97	19.96	20.50
		1	50	19.83	19.91	19.78	20.50
		1	99	19.57	19.44	19.57	20.50
		50	0	20.00	20.01	19.84	20.50
		50	25	19.98	19.80	19.82	20.50
		50	50	19.87	19.77	19.81	20.50
		100	0	19.96	19.76	19.86	20.50
	16QAM	1	0	19.98	20.04	19.94	20.50
		1	50	19.88	19.87	19.91	20.50
		1	99	19.90	19.75	19.73	20.50
		50	0	20.05	19.87	19.87	20.50
		50	25	19.99	19.78	19.92	20.50
		50	50	19.90	19.78	19.93	20.50
		100	0	19.98	19.82	19.84	20.50
	64QAM	1	0	19.74	19.47	19.79	20.50
		1	50	19.66	19.93	19.69	20.50
		1	99	19.70	19.80	19.64	20.50
		50	0	20.03	19.86	19.78	20.50
		50	25	19.98	19.82	19.85	20.50
		50	50	19.99	19.76	19.91	20.50
		100	0	19.98	19.80	19.67	20.50

LTE Band 7 state5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	16.89	16.96	16.82	17.50
		1	13	16.67	16.51	16.54	17.50



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		1	24	16.97	16.69	16.79	17.50
		12	0	16.87	16.84	16.84	17.50
		12	6	16.75	16.59	16.61	17.50
		12	13	16.76	16.63	16.70	17.50
		25	0	16.78	16.80	16.78	17.50
	16QAM	1	0	17.01	16.86	16.76	17.50
		1	13	16.99	16.91	16.76	17.50
		1	24	16.74	16.72	16.77	17.50
		12	0	16.88	16.78	16.73	17.50
		12	6	16.98	16.61	16.70	17.50
		12	13	16.91	16.59	16.67	17.50
		25	0	16.78	16.78	16.64	17.50
	64QAM	1	0	16.94	16.44	16.51	17.50
		1	13	16.75	16.74	16.64	17.50
		1	24	16.69	16.80	16.62	17.50
		12	0	16.82	16.76	16.81	17.50
		12	6	16.78	16.67	16.72	17.50
		12	13	16.92	16.72	16.70	17.50
		25	0	16.78	16.70	16.77	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	16.81	16.90	16.91	17.50
		1	25	16.72	16.62	16.51	17.50
		1	49	16.88	16.57	16.68	17.50
		25	0	16.88	16.98	16.68	17.50
		25	13	16.81	16.59	16.74	17.50
		25	25	16.78	16.62	16.75	17.50
		50	0	16.74	16.97	16.69	17.50
	16QAM	1	0	16.85	16.95	16.59	17.50
		1	25	16.83	16.87	16.91	17.50
		1	49	16.76	16.91	16.84	17.50
		25	0	17.05	16.75	16.74	17.50
		25	13	16.89	16.64	16.77	17.50
		25	25	16.92	16.63	16.67	17.50
		50	0	16.74	16.70	16.74	17.50
	64QAM	1	0	16.91	16.56	16.58	17.50
		1	25	16.75	16.68	16.63	17.50
		1	49	16.66	16.70	16.67	17.50
		25	0	16.88	16.62	16.79	17.50
		25	13	16.76	16.70	16.78	17.50



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		25	25	16.87	16.59	16.72	17.50
		50	0	16.85	16.65	16.69	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	16.89	16.82	16.82	17.50
		1	38	16.64	16.61	16.52	17.50
		1	74	16.87	16.57	16.76	17.50
		36	0	16.80	16.83	16.80	17.50
		36	18	16.86	16.63	16.79	17.50
		36	39	16.89	16.63	16.74	17.50
		75	0	16.87	16.97	16.88	17.50
	16QAM	1	0	16.89	16.81	16.75	17.50
		1	38	16.88	16.81	16.79	17.50
		1	74	16.72	16.88	16.79	17.50
		36	0	16.78	16.65	16.68	17.50
		36	18	16.84	16.76	16.90	17.50
		36	39	16.75	16.61	16.75	17.50
		75	0	16.85	16.77	16.62	17.50
	64QAM	1	0	17.02	16.46	16.61	17.50
		1	38	16.61	16.63	16.67	17.50
		1	74	16.74	16.61	16.76	17.50
		36	0	16.79	16.70	16.69	17.50
		36	18	16.91	16.69	16.77	17.50
		36	39	16.84	16.54	16.60	17.50
		75	0	16.87	16.58	16.73	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	16.90	16.92	16.82	17.50
		1	50	16.64	16.58	16.54	17.50
		1	99	16.88	16.61	16.73	17.50
		50	0	16.87	16.90	16.77	17.50
		50	25	16.82	16.65	16.69	17.50
		50	50	16.85	16.70	16.75	17.50
		100	0	16.78	16.90	16.79	17.50
	16QAM	1	0	16.99	16.88	16.67	17.50
		1	50	16.90	16.87	16.86	17.50
		1	99	16.77	16.82	16.84	17.50
		50	0	16.96	16.72	16.71	17.50
		50	25	16.91	16.69	16.80	17.50
		50	50	16.82	16.65	16.75	17.50



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		100	0	16.84	16.71	16.70	17.50
	64QAM	1	0	16.92	16.52	16.51	17.50
		1	50	16.67	16.68	16.66	17.50
		1	99	16.70	16.70	16.71	17.50
		50	0	16.87	16.69	16.72	17.50
		50	25	16.81	16.67	16.74	17.50
		50	50	16.82	16.64	16.66	17.50
		100	0	16.83	16.61	16.68	17.50

LTE Band 7 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	17.81	17.99	17.69	18.50
		1	13	17.83	17.63	17.59	18.50
		1	24	17.62	17.92	17.43	18.50
		12	0	17.82	17.92	17.79	18.50
		12	6	17.76	17.54	17.83	18.50
		12	13	17.71	17.59	17.75	18.50
		25	0	17.83	17.62	17.71	18.50
	16QAM	1	0	17.94	17.78	17.78	18.50
		1	13	17.96	17.89	18.04	18.50
		1	24	17.76	17.68	18.05	18.50
		12	0	18.07	17.71	17.78	18.50
		12	6	17.90	17.63	17.74	18.50
		12	13	17.79	17.66	17.75	18.50
		25	0	17.81	17.68	17.68	18.50
	64QAM	1	0	17.83	17.80	17.68	18.50
		1	13	17.81	17.64	17.56	18.50
		1	24	17.64	17.49	17.44	18.50
		12	0	17.92	17.67	17.69	18.50
		12	6	17.85	17.63	17.85	18.50
		12	13	17.86	17.75	17.85	18.50
		25	0	18.01	17.63	17.84	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	17.88	17.98	17.65	18.50
		1	25	17.81	17.63	17.47	18.50
		1	49	17.54	18.08	17.47	18.50



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		25	0	17.95	17.89	17.83	18.50
		25	13	17.88	17.49	17.80	18.50
		25	25	17.75	17.59	17.64	18.50
		50	0	17.83	17.70	17.67	18.50
	16QAM	1	0	17.98	17.79	17.78	18.50
		1	25	17.85	18.02	18.02	18.50
		1	49	17.79	17.70	18.14	18.50
		25	0	17.93	17.89	17.69	18.50
		25	13	17.97	17.63	17.72	18.50
		25	25	17.73	17.62	17.78	18.50
		50	0	17.82	17.64	17.72	18.50
	64QAM	1	0	17.69	17.62	17.49	18.50
		1	25	17.61	17.49	17.64	18.50
		1	49	17.65	17.47	17.50	18.50
		25	0	17.95	17.87	17.73	18.50
		25	13	17.87	17.59	17.77	18.50
		25	25	17.88	17.78	17.76	18.50
		50	0	17.99	17.72	17.82	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	17.80	17.97	17.70	18.50
		1	38	17.94	17.52	17.48	18.50
		1	74	17.67	18.04	17.41	18.50
		36	0	17.93	17.91	17.77	18.50
		36	18	17.81	17.60	17.77	18.50
		36	39	17.71	17.58	17.71	18.50
		75	0	17.92	17.71	17.66	18.50
	16QAM	1	0	18.06	17.69	17.76	18.50
		1	38	17.82	17.86	17.56	18.50
		1	74	17.85	17.61	18.03	18.50
		36	0	17.95	17.87	17.86	18.50
		36	18	17.85	17.65	17.78	18.50
		36	39	17.70	17.67	17.73	18.50
		75	0	17.97	17.74	17.79	18.50
	64QAM	1	0	17.68	17.74	17.54	18.50
		1	38	17.81	17.59	17.62	18.50
		1	74	17.66	17.44	17.52	18.50
		36	0	17.96	17.70	17.79	18.50
		36	18	17.83	17.59	17.85	18.50
		36	39	17.81	17.68	17.72	18.50



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Bandwidth	Modulation	75	0	17.84	17.70	17.84	18.50
		RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	17.82	17.99	17.71	18.50
		1	50	17.88	17.54	17.55	18.50
		1	99	17.61	17.98	17.40	18.50
		50	0	17.92	17.93	17.77	18.50
		50	25	17.85	17.56	17.76	18.50
		50	50	17.79	17.60	17.74	18.50
		100	0	17.89	17.71	17.75	18.50
		100	50	17.89	17.71	17.75	18.50
	16QAM	1	0	17.99	17.72	17.85	18.50
		1	50	17.92	17.94	18.18	18.50
		1	99	17.82	17.69	18.07	18.50
		50	0	17.97	17.79	17.77	18.50
		50	25	17.88	17.71	17.76	18.50
		50	50	17.78	17.69	17.73	18.50
		100	0	17.89	17.67	17.74	18.50
		100	50	17.89	17.67	17.74	18.50
	64QAM	1	0	17.77	17.72	17.58	18.50
		1	50	17.71	17.55	17.59	18.50
		1	99	17.57	17.49	17.54	18.50
		50	0	17.97	17.77	17.71	18.50
		50	25	17.91	17.63	17.75	18.50
		50	50	17.78	17.68	17.76	18.50
		100	0	17.91	17.65	17.74	18.50
		100	50	17.91	17.65	17.74	18.50

LTE Band 7 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	16.25	15.79	15.78	16.50
		1	13	15.81	16.05	15.62	16.50
		1	24	15.94	15.96	15.60	16.50
		12	0	16.05	15.78	15.81	16.50
		12	6	15.99	15.76	15.74	16.50
		12	13	15.78	15.69	15.82	16.50
		25	0	16.02	15.73	15.84	16.50
		25	13	16.02	15.73	15.84	16.50
	16QAM	1	0	16.10	15.71	15.88	16.50
		1	13	16.18	16.03	16.16	16.50
		1	24	15.78	15.63	15.78	16.50
		1	24	15.78	15.63	15.78	16.50



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		12	0	16.06	15.82	15.88	16.50
		12	6	16.01	15.77	15.73	16.50
		12	13	15.98	15.77	15.83	16.50
		25	0	15.96	15.67	15.78	16.50
	64QAM	1	0	15.93	15.90	15.47	16.50
		1	13	15.91	15.68	15.92	16.50
		1	24	15.78	15.85	15.80	16.50
		12	0	15.93	15.97	15.91	16.50
		12	6	16.14	15.87	15.73	16.50
		12	13	15.95	15.69	15.90	16.50
		25	0	15.93	15.74	15.81	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	15.85	15.66	15.82	16.50
		1	25	15.83	15.93	15.64	16.50
		1	49	15.88	16.00	15.69	16.50
		25	0	15.96	15.86	15.73	16.50
		25	13	16.11	15.78	15.87	16.50
		25	25	15.90	15.64	15.86	16.50
		50	0	16.01	15.62	15.88	16.50
	16QAM	1	0	16.07	15.90	15.87	16.50
		1	25	16.08	15.90	16.05	16.50
		1	49	15.89	15.76	15.86	16.50
		25	0	16.12	15.96	15.96	16.50
		25	13	16.05	15.75	15.72	16.50
		25	25	16.04	15.83	15.80	16.50
		50	0	15.94	15.65	15.89	16.50
	64QAM	1	0	15.92	15.97	15.53	16.50
		1	25	15.81	15.79	15.85	16.50
		1	49	15.96	15.73	15.75	16.50
		25	0	16.12	15.94	15.95	16.50
		25	13	15.97	15.73	15.74	16.50
		25	25	15.85	15.83	15.82	16.50
		50	0	16.01	15.76	15.89	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	15.92	15.77	15.82	16.50
		1	38	15.80	15.89	15.52	16.50
		1	74	15.92	15.82	15.57	16.50
		36	0	16.01	15.79	15.82	16.50



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		36	18	16.03	15.75	15.83	16.50
		36	39	15.97	15.78	15.80	16.50
		75	0	15.91	15.78	15.76	16.50
	16QAM	1	0	16.11	15.84	15.89	16.50
		1	38	16.04	15.92	16.16	16.50
		1	74	15.80	15.69	15.79	16.50
		36	0	16.06	15.93	15.98	16.50
		36	18	16.06	15.85	15.73	16.50
		36	39	16.03	15.79	15.86	16.50
		75	0	15.92	15.80	15.92	16.50
	64QAM	1	0	15.86	15.92	15.36	16.50
		1	38	15.81	15.78	15.83	16.50
		1	74	15.82	15.73	15.90	16.50
		36	0	16.03	15.82	16.00	16.50
		36	18	15.99	15.82	15.85	16.50
		36	39	15.87	15.86	15.84	16.50
		75	0	15.89	15.87	15.73	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	16.25	15.75	15.77	16.50
		1	50	15.76	15.95	15.56	16.50
		1	99	15.86	15.92	15.61	16.50
		50	0	15.98	15.81	15.80	16.50
		50	25	16.02	15.74	15.81	16.50
		50	50	15.87	15.70	15.79	16.50
		100	0	15.96	15.70	15.80	16.50
	16QAM	1	0	16.06	15.81	15.83	16.50
		1	50	16.12	15.93	16.12	16.50
		1	99	15.88	15.66	15.86	16.50
		50	0	16.05	15.87	15.88	16.50
		50	25	15.97	15.81	15.76	16.50
		50	50	15.94	15.77	15.86	16.50
		100	0	15.97	15.75	15.83	16.50
	64QAM	1	0	15.90	15.98	15.46	16.50
		1	50	15.82	15.77	15.87	16.50
		1	99	15.87	15.78	15.80	16.50
		50	0	16.03	15.87	15.92	16.50
		50	25	16.04	15.81	15.83	16.50
		50	50	15.92	15.76	15.84	16.50
		100	0	15.98	15.81	15.83	16.50



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LTE Band 38 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.58	22.45	22.41	23.00
		1	13	22.42	22.44	22.56	23.00
		1	24	22.45	22.39	22.43	23.00
		12	0	22.80	22.67	22.64	23.00
		12	6	22.67	22.61	22.57	23.00
		12	13	22.81	22.53	22.57	23.00
		25	0	22.89	22.69	22.70	23.00
	16QAM	1	0	22.66	22.61	22.41	23.00
		1	13	22.57	22.74	22.71	23.00
		1	24	22.52	22.53	22.43	23.00
		12	0	22.66	22.47	22.35	23.00
		12	6	22.70	22.48	22.45	23.00
		12	13	22.42	22.57	22.31	23.00
		25	0	22.36	22.53	22.40	23.00
	64QAM	1	0	22.63	22.50	22.47	23.00
		1	13	22.48	22.67	22.52	23.00
		1	24	22.59	22.42	22.20	23.00
		12	0	21.38	21.44	21.61	22.00
		12	6	21.30	21.36	21.32	22.00
		12	13	21.21	21.25	21.30	22.00
		25	0	21.43	21.34	21.39	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.57	22.38	22.51	23.00
		1	25	22.69	22.42	22.45	23.00
		1	49	22.50	22.34	22.19	23.00
		25	0	22.64	22.84	22.73	23.00
		25	13	22.74	22.61	22.57	23.00
		25	25	22.67	22.74	22.79	23.00
		50	0	22.86	22.77	22.67	23.00
	16QAM	1	0	22.63	22.79	22.45	23.00
		1	25	22.80	22.86	22.87	23.00
		1	49	22.50	22.63	22.37	23.00
		25	0	22.61	22.65	22.64	23.00
		25	13	22.62	22.34	22.41	23.00
		25	25	22.59	22.54	22.51	23.00
		50	0	22.64	22.58	22.30	23.00



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		1	0	22.77	22.50	22.55	23.00
		1	25	22.32	22.64	22.45	23.00
		1	49	22.47	22.48	22.25	23.00
	64QAM	25	0	21.32	21.54	21.55	22.00
		25	13	21.35	21.27	21.24	22.00
		25	25	21.30	21.50	21.50	22.00
		50	0	21.51	21.50	21.57	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.64	22.39	22.47	23.00
		1	38	22.64	22.51	22.45	23.00
		1	74	22.45	22.58	22.17	23.00
		36	0	22.64	22.83	22.50	23.00
		36	18	22.84	22.57	22.65	23.00
		36	39	22.87	22.52	22.64	23.00
		75	0	22.79	22.77	22.83	23.00
	16QAM	1	0	22.69	22.66	22.54	23.00
		1	38	22.57	22.63	22.87	23.00
		1	74	22.60	22.78	22.56	23.00
		36	0	22.46	22.55	22.45	23.00
		36	18	22.67	22.37	22.54	23.00
		36	39	22.44	22.41	22.34	23.00
		75	0	22.42	22.47	22.45	23.00
	64QAM	1	0	22.73	22.46	22.52	23.00
		1	38	22.43	22.54	22.43	23.00
		1	74	22.43	22.23	22.33	23.00
		36	0	21.25	21.28	21.41	22.00
		36	18	21.40	21.47	21.17	22.00
		36	39	21.26	21.41	21.44	22.00
		75	0	21.62	21.25	21.34	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	22.53	22.49	22.55	23.00
		1	50	22.55	22.57	22.44	23.00
		1	99	22.48	22.44	22.31	23.00
		50	0	22.74	22.73	22.61	23.00
		50	25	22.78	22.69	22.60	23.00
		50	50	22.77	22.64	22.66	23.00
		100	0	22.76	22.72	22.68	23.00
	16QAM	1	0	22.69	22.71	22.43	23.00
		1	50	22.72	22.74	22.85	23.00
		1	99	22.46	22.64	22.43	23.00
		50	0	22.51	22.50	22.50	23.00



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		50	25	22.56	22.46	22.44	23.00
		50	50	22.45	22.48	22.38	23.00
		100	0	22.51	22.49	22.43	23.00
	64QAM	1	0	22.75	22.54	22.51	23.00
		1	50	22.37	22.60	22.44	23.00
		1	99	22.52	22.36	22.26	23.00
		50	0	21.36	21.43	21.49	22.00
		50	25	21.29	21.38	21.31	22.00
		50	50	21.27	21.36	21.45	22.00
		100	0	21.48	21.39	21.49	22.00

LTE Band 38 state5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	18.92	18.92	19.02	19.50
		1	13	18.97	18.93	18.97	19.50
		1	24	18.92	19.01	18.86	19.50
		12	0	19.22	19.25	19.23	19.50
		12	6	19.21	19.10	18.97	19.50
		12	13	19.27	18.99	19.13	19.50
		25	0	19.18	19.14	19.06	19.50
	16QAM	1	0	19.11	19.17	19.07	19.50
		1	13	19.03	19.15	19.14	19.50
		1	24	19.03	19.07	18.79	19.50
		12	0	19.37	19.11	19.12	19.50
		12	6	19.21	18.97	19.09	19.50
		12	13	19.04	19.17	19.13	19.50
		25	0	19.21	19.20	19.19	19.50
	64QAM	1	0	19.06	19.04	18.95	19.50
		1	13	19.03	18.99	19.03	19.50
		1	24	18.94	18.98	18.96	19.50
		12	0	19.36	19.13	19.13	19.50
		12	6	19.35	19.13	19.02	19.50
		12	13	19.31	19.24	19.00	19.50
		25	0	19.29	19.25	19.15	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	18.80	18.98	18.96	19.50
		1	25	19.04	18.93	19.12	19.50
		1	49	19.00	18.87	18.83	19.50
		25	0	19.20	19.25	19.22	19.50



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		25	13	19.31	19.14	19.04	19.50
		25	25	19.22	19.09	19.01	19.50
		50	0	19.17	19.10	19.10	19.50
	16QAM	1	0	19.14	19.14	19.01	19.50
		1	25	19.09	19.09	19.27	19.50
		1	49	18.97	19.09	18.92	19.50
		25	0	19.17	19.25	19.11	19.50
		25	13	19.35	19.01	19.10	19.50
		25	25	19.21	19.21	19.09	19.50
		50	0	19.17	19.25	19.08	19.50
		1	0	19.22	19.14	18.93	19.50
	64QAM	1	25	19.03	19.05	18.96	19.50
		1	49	19.01	19.09	18.80	19.50
		25	0	19.31	19.32	19.17	19.50
		25	13	19.35	19.19	18.93	19.50
		25	25	19.22	19.23	19.03	19.50
		50	0	19.23	19.15	19.11	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	18.73	18.97	19.01	19.50
		1	38	19.12	19.01	18.97	19.50
		1	74	18.98	19.01	18.88	19.50
		36	0	19.22	19.26	19.30	19.50
		36	18	19.20	19.10	18.98	19.50
		36	39	19.31	18.98	19.03	19.50
		75	0	19.18	19.08	18.94	19.50
		1	0	19.04	19.24	19.03	19.50
	16QAM	1	38	19.11	19.01	19.20	19.50
		1	74	19.08	19.12	18.88	19.50
		36	0	19.23	19.11	19.26	19.50
		36	18	19.18	18.95	18.99	19.50
		36	39	19.06	19.27	19.10	19.50
		75	0	19.25	19.16	19.13	19.50
		1	0	19.08	19.21	19.04	19.50
		1	38	19.00	18.97	18.99	19.50
	64QAM	1	74	18.96	18.95	18.83	19.50
		36	0	19.26	19.29	19.29	19.50
		36	18	19.35	19.27	19.03	19.50
		36	39	19.26	19.26	19.05	19.50
		75	0	19.14	19.29	19.01	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	18.82	18.94	19.01	19.50



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		1	50	19.02	19.00	19.02	19.50
		1	99	18.97	18.91	18.82	19.50
		50	0	19.25	19.18	19.21	19.50
		50	25	19.30	19.10	18.98	19.50
		50	50	19.24	19.06	19.03	19.50
		100	0	19.18	19.10	19.02	19.50
	16QAM	1	0	19.06	19.22	19.08	19.50
		1	50	19.05	19.07	19.20	19.50
		1	99	19.03	19.08	18.85	19.50
		50	0	19.27	19.18	19.17	19.50
		50	25	19.27	19.05	19.03	19.50
		50	50	19.14	19.21	19.15	19.50
		100	0	19.19	19.18	19.15	19.50
	64QAM	1	0	19.16	19.14	18.96	19.50
		1	50	19.07	18.98	18.97	19.50
		1	99	19.00	19.02	18.90	19.50
		50	0	19.27	19.22	19.20	19.50
		50	25	19.26	19.19	18.99	19.50
		50	50	19.23	19.18	19.02	19.50
		100	0	19.23	19.20	19.06	19.50

LTE Band 38 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.07	21.11	21.07	21.50
		1	13	21.05	21.02	20.94	21.50
		1	24	20.96	21.07	20.88	21.50
		12	0	21.20	21.17	21.24	21.50
		12	6	21.32	21.17	21.15	21.50
		12	13	21.32	21.20	21.16	21.50
		25	0	21.35	21.09	21.21	21.50
	16QAM	1	0	20.89	21.22	20.97	21.50
		1	13	21.32	21.24	21.14	21.50
		1	24	21.14	20.70	20.82	21.50
		12	0	21.39	21.26	21.24	21.50
		12	6	21.24	21.29	21.17	21.50
		12	13	21.33	21.27	21.11	21.50
		25	0	21.25	21.18	21.21	21.50
	64QAM	1	0	21.06	21.11	20.88	21.50
		1	13	21.12	21.24	21.01	21.50
		1	24	21.00	21.05	20.47	21.50



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		12	0	21.22	21.29	21.35	21.50
		12	6	21.32	21.14	21.28	21.50
		12	13	21.18	21.21	21.22	21.50
		25	0	21.34	21.13	21.18	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	21.10	21.12	20.98	21.50
		1	25	20.99	21.16	20.90	21.50
		1	49	21.14	21.01	20.78	21.50
		25	0	21.32	21.18	21.33	21.50
		25	13	21.28	21.29	21.19	21.50
		25	25	21.18	21.26	21.09	21.50
	16QAM	50	0	21.28	21.21	21.13	21.50
		1	0	20.96	21.13	20.88	21.50
		1	25	21.31	21.12	21.03	21.50
		1	49	21.07	20.70	20.83	21.50
		25	0	21.25	21.30	21.13	21.50
		25	13	21.21	21.27	21.18	21.50
	64QAM	25	25	21.19	21.20	21.15	21.50
		50	0	21.34	21.16	21.27	21.50
		1	0	21.11	21.11	20.87	21.50
		1	25	21.25	21.34	20.92	21.50
		1	49	20.84	21.04	20.34	21.50
		25	0	21.23	21.26	21.25	21.50
		25	13	21.22	21.33	21.24	21.50
		25	25	21.26	21.30	21.08	21.50
		50	0	21.33	21.13	21.21	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	20.95	21.10	20.90	21.50
		1	38	20.96	21.09	21.01	21.50
		1	74	21.05	20.95	20.73	21.50
		36	0	21.21	21.29	21.27	21.50
		36	18	21.34	21.22	21.29	21.50
		36	39	21.34	21.22	21.17	21.50
		75	0	21.28	21.14	21.36	21.50
	16QAM	1	0	20.91	21.16	20.85	21.50
		1	38	21.24	21.09	21.04	21.50
		1	74	21.17	20.69	20.91	21.50
		36	0	21.25	21.26	21.21	21.50
		36	18	21.33	21.34	21.28	21.50
		36	39	21.34	21.14	21.16	21.50
		75	0	21.34	21.18	21.22	21.50



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		1	0	20.98	21.10	20.90	21.50
		1	38	21.16	21.26	21.02	21.50
		1	74	21.00	20.89	20.46	21.50
	64QAM	36	0	21.39	21.17	21.20	21.50
		36	18	21.31	21.18	21.12	21.50
		36	39	21.18	21.18	21.20	21.50
		75	0	21.35	21.29	21.10	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	21.04	21.17	20.97	21.50
		1	50	21.03	21.12	20.94	21.50
		1	99	21.04	21.01	20.81	21.50
		50	0	21.28	21.26	21.24	21.50
		50	25	21.33	21.21	21.22	21.50
		50	50	21.28	21.20	21.12	21.50
		100	0	21.30	21.19	21.19	21.50
	16QAM	1	0	20.94	21.13	20.94	21.50
		1	50	21.23	21.17	21.10	21.50
		1	99	21.09	20.74	20.92	21.50
		50	0	21.32	21.26	21.20	21.50
		50	25	21.31	21.28	21.19	21.50
		50	50	21.29	21.20	21.16	21.50
		100	0	21.31	21.24	21.18	21.50
	64QAM	1	0	21.08	21.19	20.95	21.50
		1	50	21.18	21.29	20.94	21.50
		1	99	20.93	20.98	20.44	21.50
		50	0	21.30	21.26	21.26	21.50
		50	25	21.30	21.23	21.18	21.50
		50	50	21.28	21.23	21.14	21.50
		100	0	21.29	21.21	21.20	21.50

LTE Band 38 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	17.99	18.09	17.99	18.50
		1	13	18.10	18.03	18.05	18.50
		1	24	18.02	17.86	17.76	18.50
		12	0	18.32	18.15	18.15	18.50
		12	6	18.18	18.12	18.09	18.50
		12	13	18.31	18.13	18.01	18.50
		25	0	18.21	18.13	18.05	18.50



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	16QAM	1	0	17.97	18.12	18.03	18.50
		1	13	18.14	18.19	17.95	18.50
		1	24	18.21	18.02	17.83	18.50
		12	0	18.19	18.04	18.17	18.50
		12	6	18.39	18.07	18.18	18.50
		12	13	18.19	18.04	18.08	18.50
		25	0	18.29	18.14	17.96	18.50
	64QAM	1	0	18.11	18.16	18.14	18.50
		1	13	18.15	18.09	17.90	18.50
		1	24	17.89	17.90	17.92	18.50
		12	0	18.19	18.12	18.23	18.50
		12	6	18.22	18.19	18.05	18.50
		12	13	18.36	18.07	17.93	18.50
		25	0	18.27	18.09	18.11	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	17.96	18.08	17.90	18.50
		1	25	17.98	17.95	17.96	18.50
		1	49	18.08	18.00	17.85	18.50
		25	0	18.33	18.07	18.19	18.50
		25	13	18.28	18.21	18.22	18.50
		25	25	18.27	18.04	17.99	18.50
		50	0	18.25	18.18	18.04	18.50
	16QAM	1	0	18.14	18.23	18.07	18.50
		1	25	18.15	18.12	18.04	18.50
		1	49	18.12	17.90	17.85	18.50
		25	0	18.14	18.14	18.17	18.50
		25	13	18.28	18.13	18.22	18.50
		25	25	18.32	18.20	18.16	18.50
		50	0	18.14	18.24	18.04	18.50
	64QAM	1	0	18.12	18.03	18.12	18.50
		1	25	18.08	18.06	17.82	18.50
		1	49	17.79	17.95	17.89	18.50
		25	0	18.20	18.08	18.21	18.50
		25	13	18.20	18.15	18.00	18.50
		25	25	18.28	18.04	17.97	18.50
		50	0	18.31	18.07	18.11	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	18.06	18.09	17.91	18.50
		1	38	18.08	17.91	18.06	18.50
		1	74	18.05	17.90	17.68	18.50
		36	0	18.32	18.18	18.03	18.50



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		36	18	18.26	18.17	18.09	18.50
		36	39	18.32	18.09	17.95	18.50
		75	0	18.23	18.11	18.13	18.50
	16QAM	1	0	18.07	18.09	18.10	18.50
		1	38	18.29	18.04	17.94	18.50
		1	74	18.22	17.90	17.92	18.50
		36	0	18.19	18.13	18.09	18.50
		36	18	18.31	18.05	18.17	18.50
		36	39	18.38	18.14	18.18	18.50
		75	0	18.22	18.21	17.94	18.50
	64QAM	1	0	17.96	18.16	18.03	18.50
		1	38	18.04	18.00	17.84	18.50
		1	74	17.91	17.95	17.94	18.50
		36	0	18.10	18.00	18.17	18.50
		36	18	18.17	18.22	18.04	18.50
		36	39	18.33	18.03	18.12	18.50
		75	0	18.12	18.08	18.15	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	17.96	18.05	17.94	18.50
		1	50	18.05	18.00	17.97	18.50
		1	99	17.99	17.91	17.78	18.50
		50	0	18.23	18.13	18.11	18.50
		50	25	18.20	18.15	18.17	18.50
		50	50	18.23	18.13	17.99	18.50
		100	0	18.28	18.18	18.12	18.50
	16QAM	1	0	18.07	18.17	18.00	18.50
		1	50	18.21	18.09	18.04	18.50
		1	99	18.12	17.95	17.89	18.50
		50	0	18.10	18.13	18.18	18.50
		50	25	18.29	18.05	18.12	18.50
		50	50	18.29	18.11	18.12	18.50
		100	0	18.20	18.15	18.00	18.50
	64QAM	1	0	18.02	18.07	18.04	18.50
		1	50	18.14	18.03	17.84	18.50
		1	99	17.81	17.92	17.88	18.50
		50	0	18.19	18.10	18.22	18.50
		50	25	18.22	18.20	17.98	18.50
		50	50	18.27	18.09	18.02	18.50
		100	0	18.21	18.12	18.10	18.50

LTE Band 41 2496 - 2690 PC2 state3

Conducted Power(dBm)



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	24.65	24.82	24.83	24.54	24.84	25.80
		1	13	25.3	24.96	25.33	25.25	25.1	25.80
		1	24	25.45	24.92	25.26	25.21	25.2	25.80
		12	0	24.7	24.69	25	24.78	24.85	25.30
		12	6	24.99	24.96	24.87	24.89	25.16	25.30
		12	13	24.95	24.95	24.88	24.76	24.87	25.30
		25	0	25.09	25.05	24.92	24.92	25.01	25.30
	16QAM	1	0	24.59	24.46	24.58	24.57	24.67	25.30
		1	13	25.02	24.99	24.9	24.95	25.05	25.30
		1	24	25.04	24.98	25.01	24.96	24.74	25.30
		12	0	23.73	23.91	23.84	23.91	23.96	24.30
		12	6	24.1	23.97	23.95	23.78	23.88	24.30
		12	13	23.8	23.76	23.98	23.73	23.99	24.30
		25	0	23.82	23.94	24.05	23.7	23.97	24.30
	64QAM	1	0	23.95	24.20	24.02	23.94	24.09	24.30
		1	13	24.04	23.89	24.14	23.92	24.08	24.30
		1	24	24.04	23.89	23.97	23.91	24.07	24.30
		12	0	22.70	22.67	22.89	22.84	22.72	23.30
		12	6	22.89	22.93	22.88	22.80	22.96	23.30
		12	13	22.97	22.65	22.85	22.76	22.75	23.30
		25	0	22.94	22.73	22.93	22.72	22.59	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	24.55	24.81	24.75	24.47	24.76	25.80
		1	25	25.14	24.95	25.08	25.28	25.29	25.80
		1	49	25.44	24.96	25.4	25.11	25.22	25.80
		25	0	24.73	24.77	24.82	24.64	24.9	25.30
		25	13	24.9	24.91	24.9	24.62	24.99	25.30
		25	25	25.15	24.96	24.78	24.64	24.97	25.30
		50	0	24.96	24.99	24.94	24.92	25.06	25.30
	16QAM	1	0	24.68	24.59	24.56	24.49	24.54	25.30
		1	25	25.17	25.05	24.96	24.82	24.95	25.30
		1	49	24.97	24.78	24.94	24.79	24.93	25.30
		25	0	23.87	23.75	23.74	23.81	23.79	24.30
		25	13	23.98	24.1	24.07	23.74	23.91	24.30
		25	25	23.92	23.92	23.92	23.78	24.04	24.30
		50	0	23.78	23.91	23.94	23.69	24.02	24.30
	64QAM	1	0	24.20	24.00	24.16	23.95	24.09	24.30
		1	25	24.14	24.02	24.09	23.84	23.94	24.30
		1	49	24.05	23.91	23.85	24.12	24.07	24.30



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		25	0	22.92	22.56	22.87	22.68	22.80	23.30
		25	13	22.77	22.77	22.88	22.85	22.80	23.30
		25	25	22.72	22.69	22.93	22.66	22.61	23.30
		50	0	22.73	22.89	22.96	22.84	22.67	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	24.67	24.86	24.62	24.66	24.64	25.80
		1	38	25.15	25.06	25.15	25.3	25.26	25.80
		1	74	25.28	24.96	25.32	25.11	25.3	25.80
		36	0	24.99	24.76	24.92	24.55	24.66	25.30
		36	18	24.7	25.03	24.86	24.65	24.92	25.30
		36	39	25.15	24.8	24.94	24.92	24.77	25.30
		75	0	25.01	25.04	24.85	24.74	24.94	25.30
	16QAM	1	0	24.48	24.61	24.58	24.3	24.58	25.30
		1	38	24.95	24.98	24.93	24.7	25.11	25.30
		1	74	25	24.74	24.98	24.96	24.84	25.30
		36	0	23.88	23.8	23.86	23.91	23.94	24.30
		36	18	24.04	23.88	23.87	23.94	24.12	24.30
		36	39	23.99	23.95	23.94	23.63	23.89	24.30
		75	0	23.77	23.91	23.97	23.91	24.04	24.30
	64QAM	1	0	23.99	24.17	24.15	24.03	23.86	24.30
		1	38	23.96	24.10	23.96	24.00	23.93	24.30
		1	74	23.96	23.82	23.97	23.90	24.05	24.30
		36	0	22.81	22.60	22.62	22.59	22.83	23.30
		36	18	22.65	22.87	22.86	22.85	22.78	23.30
		36	39	22.79	22.62	22.72	22.82	22.58	23.30
		75	0	22.80	22.70	22.89	22.70	22.85	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	24.63	24.82	24.68	24.51	24.7	25.80
		1	50	25.15	24.96	25.2	25.23	25.23	25.80
		1	99	25.3	24.88	25.28	25.15	25.3	25.80
		50	0	24.85	24.82	24.91	24.7	24.81	25.30
		50	25	24.85	24.92	24.91	24.75	25.01	25.30
		50	50	25	24.86	24.93	24.77	24.86	25.30
		100	0	25.04	24.9	24.97	24.77	25.02	25.30
	16QAM	1	0	24.56	24.61	24.58	24.42	24.54	25.30
		1	50	25.02	24.97	24.98	24.84	24.98	25.30
		1	99	24.95	24.85	24.93	24.81	24.89	25.30
		50	0	23.82	23.82	23.88	23.77	23.87	24.30
		50	25	23.99	23.95	24	23.87	23.99	24.30
		50	50	23.91	23.9	23.95	23.77	23.95	24.30
		100	0	23.91	23.99	23.98	23.8	23.99	24.30



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64QAM	1	0	24.09	24.07	24.07	24.08	23.99	24.30
	1	50	23.99	24.03	24.01	23.92	23.99	24.30
	1	99	24.01	23.93	23.99	24.00	24.04	24.30
	50	0	22.79	22.71	22.76	22.71	22.85	23.30
	50	25	22.80	22.92	22.86	22.93	22.86	23.30
	50	50	22.84	22.73	22.82	22.81	22.73	23.30
	100	0	22.86	22.76	22.83	22.81	22.74	23.30

LTE Band 41 2496 - 2690 PC2 state5				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	20.08	20.21	20.52	20.19	20.2	20.80
		1	13	20.1	20.09	20.19	20.21	20.2	20.80
		1	24	20.04	20.04	20.39	20.21	20.36	20.80
		12	0	20.14	20.14	20.14	20.2	20	20.80
		12	6	20.26	20.28	20.21	20.14	20.09	20.80
		12	13	20.13	20.03	20.32	20.3	20.12	20.80
		25	0	20.12	20.01	20.33	20.07	20.09	20.80
	16QAM	1	0	20.48	20.43	20.26	20.61	20.55	20.80
		1	13	20.31	20.33	20.37	20.16	20.24	20.80
		1	24	20.39	20.53	20.38	20.43	20.51	20.80
		12	0	20.13	20.08	20.17	20.12	20.24	20.80
		12	6	20.14	20.21	20.38	20.08	20.15	20.80
		12	13	20.01	20.07	20.19	20.12	20.26	20.80
		25	0	20.11	20.27	20.32	20.04	20.14	20.80
	64QAM	1	0	20.40	20.39	20.62	20.21	20.22	20.80
		1	13	20.40	20.39	20.24	20.32	20.20	20.80
		1	24	20.28	20.23	20.17	20.22	20.28	20.80
		12	0	20.08	20.12	20.24	19.99	20.09	20.80
		12	6	20.16	20.09	20.17	19.99	19.96	20.80
		12	13	20.29	20.18	20.25	20.09	20.15	20.80
		25	0	20.17	20.28	20.33	20.08	20.02	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	20.08	20.28	20.44	20.23	20.17	20.80
		1	25	20.18	20.14	20.16	20.34	20.25	20.80
		1	49	20.1	20.17	20.24	20.3	20.17	20.80
		25	0	20.06	20.06	20.21	20.16	20.16	20.80
		25	13	20.28	20.31	20.28	20.14	20	20.80
		25	25	20.13	20.22	20.31	20.13	20.23	20.80
		50	0	20.15	20.03	20.3	20.2	20.17	20.80



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	16QAM	1	0	20.47	20.29	20.2	20.54	20.48	20.80
		1	25	20.29	20.26	20.38	20.23	20.19	20.80
		1	49	20.43	20.49	20.47	20.37	20.49	20.80
		25	0	20.15	20.04	20.31	20.18	20.1	20.80
		25	13	20.18	20.15	20.37	20.03	20.2	20.80
		25	25	20.01	20.2	20.21	20.17	20.16	20.80
		50	0	20.14	20.24	20.18	20.04	20.14	20.80
	64QAM	1	0	20.30	20.32	20.65	20.26	20.06	20.80
		1	25	20.38	20.38	20.24	20.16	20.08	20.80
		1	49	20.18	20.22	20.31	20.30	20.25	20.80
		25	0	20.06	20.14	20.25	20.02	20.20	20.80
		25	13	20.24	20.07	20.35	19.96	19.97	20.80
		25	25	20.20	20.18	20.16	20.16	20.22	20.80
		50	0	20.27	20.22	20.19	20.12	20.02	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	20.09	20.17	20.35	20.12	20.34	20.80
		1	38	20.25	20.09	20.19	20.16	20.26	20.80
		1	74	20.14	20.11	20.42	20.35	20.29	20.80
		36	0	20.14	20.03	20.15	20.06	20	20.80
		36	18	20.25	20.21	20.29	20.28	20.04	20.80
		36	39	20.22	20.22	20.17	20.27	20.19	20.80
		75	0	20.18	19.98	20.26	20.04	20.17	20.80
	16QAM	1	0	20.4	20.42	20.23	20.61	20.55	20.80
		1	38	20.22	20.16	20.39	20.12	20.14	20.80
		1	74	20.36	20.44	20.33	20.34	20.37	20.80
		36	0	20.19	20.22	20.25	20.11	20.17	20.80
		36	18	20.16	20.1	20.31	20.18	20.13	20.80
		36	39	20.11	20.2	20.19	20.23	20.2	20.80
		75	0	20.24	20.22	20.15	20.08	20.08	20.80
	64QAM	1	0	20.37	20.27	20.64	20.26	20.26	20.80
		1	38	20.40	20.23	20.19	20.31	20.11	20.80
		1	74	20.33	20.21	20.25	20.31	20.32	20.80
		36	0	20.09	20.14	20.07	19.98	20.02	20.80
		36	18	20.23	20.19	20.23	19.91	19.99	20.80
		36	39	20.30	20.18	20.24	20.10	20.24	20.80
		75	0	20.25	20.29	20.28	20.06	20.04	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	20.12	20.21	20.43	20.22	20.27	20.80
		1	50	20.18	20.14	20.09	20.24	20.27	20.80
		1	99	20.08	20.08	20.34	20.28	20.27	20.80
		50	0	20.1	20.13	20.23	20.1	20.08	20.80



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		50	25	20.18	20.26	20.3	20.18	20.1	20.80
		50	50	20.15	20.13	20.24	20.23	20.16	20.80
		100	0	20.16	20.07	20.31	20.12	20.07	20.80
	16QAM	1	0	20.38	20.38	20.28	20.51	20.55	20.80
		1	50	20.26	20.24	20.35	20.19	20.22	20.80
		1	99	20.35	20.44	20.42	20.43	20.43	20.80
		50	0	20.11	20.13	20.22	20.11	20.15	20.80
		50	25	20.19	20.13	20.31	20.12	20.1	20.80
		50	50	20.1	20.17	20.25	20.19	20.21	20.80
		100	0	20.19	20.19	20.23	20.02	20.11	20.80
	64QAM	1	0	20.30	20.30	20.59	20.16	20.16	20.80
		1	50	20.39	20.32	20.18	20.25	20.16	20.80
		1	99	20.27	20.28	20.23	20.29	20.26	20.80
		50	0	20.07	20.05	20.17	20.07	20.11	20.80
		50	25	20.19	20.11	20.26	20.00	20.06	20.80
		50	50	20.24	20.19	20.24	20.06	20.14	20.80
		100	0	20.21	20.29	20.27	20.16	20.08	20.80

LTE Band 41 2496 - 2690 PC2 state8				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	23.11	23.49	23.25	23.2	23.28	23.80
		1	13	23.56	23.28	23.44	22.93	23.44	23.80
		1	24	23.39	23.32	23.28	23.15	23.52	23.80
		12	0	23.43	23.28	23.23	22.99	23.22	23.80
		12	6	23.53	23.18	23.31	23.16	23.57	23.80
		12	13	23.64	23.38	23.22	23.09	23.49	23.80
		25	0	23.41	23.18	23.25	23.19	23.1	23.80
	16QAM	1	0	23.51	23.51	23.54	23.07	23.26	23.80
		1	13	23.37	23.48	23.47	23.23	23.22	23.80
		1	24	23.31	23.36	23.44	23.41	23.64	23.80
		12	0	23.12	23.21	23.42	23.03	23.09	23.80
		12	6	23.21	23.48	23.43	23.15	23.41	23.80
		12	13	23.37	23.35	23.3	23.25	23.3	23.80
		25	0	23.23	23.45	23.32	23.15	23.3	23.80
	64QAM	1	0	23.39	23.24	23.47	23.06	23.50	23.80
		1	13	23.35	23.07	23.07	23.35	23.43	23.80
		1	24	22.89	23.25	23.04	23.24	23.07	23.80
		12	0	23.13	23.02	23.21	23.07	22.90	23.30
		12	6	23.04	23.05	23.28	23.03	22.92	23.30
		12	13	23.30	23.08	23.10	23.27	23.03	23.30



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		25	0	22.91	23.03	23.20	23.16	23.10	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	23.22	23.36	23.34	23.17	23.33	23.80
		1	25	23.5	23.3	23.39	22.95	23.39	23.80
		1	49	23.31	23.28	23.4	23.01	23.54	23.80
		25	0	23.29	23.3	23.33	23.25	23.18	23.80
		25	13	23.43	23.3	23.24	23.12	23.62	23.80
		25	25	23.38	23.28	23.33	23.12	23.45	23.80
		50	0	23.57	23.46	23.35	23.05	23.18	23.80
	16QAM	1	0	23.72	23.45	23.44	23.29	23.19	23.80
		1	25	23.28	23.32	23.38	23.23	23.41	23.80
		1	49	23.36	23.43	23.53	23.34	23.7	23.80
		25	0	23.27	23.24	23.45	23.17	23.31	23.80
		25	13	23.24	23.5	23.3	23.06	23.62	23.80
		25	25	23.12	23.21	23.39	23.26	23.46	23.80
		50	0	23.31	23.25	23.28	23.17	23.13	23.80
	64QAM	1	0	23.16	23.20	23.51	23.00	23.55	23.80
		1	25	23.30	23.00	23.25	23.24	23.42	23.80
		1	49	22.82	23.30	22.98	23.48	23.24	23.80
		25	0	23.27	23.01	22.98	23.08	23.13	23.30
		25	13	22.88	23.28	23.18	23.22	22.97	23.30
		25	25	23.01	22.97	23.05	23.19	23.07	23.30
		50	0	23.16	23.23	23.23	23.18	23.13	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	23.09	23.3	23.21	23.23	23.43	23.80
		1	38	23.41	23.29	23.38	23.09	23.19	23.80
		1	74	23.4	23.1	23.42	23.11	23.44	23.80
		36	0	23.49	23.1	23.36	23.15	23.14	23.80
		36	18	23.33	23.41	23.45	23.31	23.61	23.80
		36	39	23.63	23.34	23.19	23.03	23.39	23.80
		75	0	23.43	23.3	23.25	23.13	23.21	23.80
	16QAM	1	0	23.6	23.47	23.57	23.2	23.32	23.80
		1	38	23.21	23.34	23.24	23.23	23.39	23.80
		1	74	23.22	23.44	23.44	23.44	23.61	23.80
		36	0	23.32	23.23	23.37	23.04	23.09	23.80
		36	18	23.14	23.27	23.25	23.14	23.6	23.80
		36	39	23.11	23.4	23.31	23.17	23.34	23.80
		75	0	23.32	23.41	23.22	23.02	23.29	23.80
	64QAM	1	0	23.29	23.28	23.37	23.05	23.64	23.80
		1	38	23.24	22.94	23.03	23.19	23.31	23.80
		1	74	22.86	23.10	23.20	23.53	23.01	23.80



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		36	0	23.28	22.94	22.99	23.00	22.89	23.30
		36	18	22.88	23.22	23.04	23.01	22.91	23.30
		36	39	23.00	23.19	23.20	23.26	23.17	23.30
		75	0	23.16	23.13	23.05	23.20	23.20	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.15	23.34	23.35	23.25	23.34	23.80
		1	50	23.42	23.25	23.33	23.07	23.33	23.80
		1	99	23.33	23.2	23.34	23.05	23.51	23.80
		50	0	23.38	23.25	23.29	23.11	23.29	23.80
		50	25	23.43	23.3	23.39	23.16	23.58	23.80
		50	50	23.5	23.27	23.34	23.02	23.42	23.80
		100	0	23.44	23.33	23.36	23.13	23.25	23.80
	16QAM	1	0	23.65	23.43	23.48	23.19	23.32	23.80
		1	50	23.32	23.33	23.32	23.15	23.29	23.80
		1	99	23.29	23.44	23.43	23.3	23.62	23.80
		50	0	23.17	23.31	23.32	23.13	23.18	23.80
		50	25	23.25	23.36	23.37	23.18	23.51	23.80
		50	50	23.24	23.32	23.3	23.14	23.42	23.80
		100	0	23.23	23.34	23.32	23.15	23.23	23.80
	64QAM	1	0	23.29	23.33	23.36	22.99	23.50	23.80
		1	50	23.28	22.99	23.13	23.22	23.29	23.80
		1	99	22.94	23.16	23.08	23.39	23.14	23.80
		50	0	23.21	23.05	23.11	23.10	23.03	23.30
		50	25	23.02	23.14	23.18	23.16	22.98	23.30
		50	50	23.15	23.10	23.13	23.12	23.15	23.30
		100	0	23.02	23.14	23.12	23.09	23.17	23.30

LTE Band 41 2496 - 2690 PC2 state10				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	19.3	19.35	19.3	19.46	19.38	19.80
		1	13	19.35	19.33	19.34	19.27	19.21	19.80
		1	24	19.17	19.1	19.1	19.46	19.43	19.80
		12	0	19.18	19.1	19.27	19.21	19.23	19.80
		12	6	19.13	19.17	19.38	19.17	19.11	19.80
		12	13	19.14	19.1	19.18	19.2	19.21	19.80
		25	0	19.24	19.16	19.37	19.15	19.06	19.80
	16QAM	1	0	19.25	19.32	19.47	19.6	19.54	19.80
		1	13	19.58	19.56	19.61	19.26	19.38	19.80
		1	24	19.19	19.09	19.37	19.48	19.53	19.80



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		12	0	19.17	19.04	19.32	19.2	19.03	19.80
		12	6	19.26	19.17	19.37	18.99	19.25	19.80
		12	13	19.24	19.17	19.31	19.16	19.18	19.80
		25	0	19.07	18.99	19.26	19.21	19.14	19.80
	64QAM	1	0	19.08	19.04	19.45	19.46	19.39	19.80
		1	13	19.37	19.45	19.45	19.24	19.30	19.80
		1	24	19.00	18.94	19.35	19.34	19.26	19.80
		12	0	18.95	19.12	19.22	18.94	19.10	19.80
		12	6	19.02	19.13	19.38	19.06	19.25	19.80
		12	13	19.06	19.16	19.28	19.20	19.14	19.80
		25	0	19.27	19.10	19.36	18.99	19.15	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	19.28	19.38	19.3	19.46	19.26	19.80
		1	25	19.35	19.33	19.33	19.22	19.31	19.80
		1	49	19.16	19.15	19.16	19.42	19.32	19.80
		25	0	19.16	19.13	19.22	19.19	19.11	19.80
		25	13	19.26	19.1	19.24	19.16	19.11	19.80
		25	25	19.09	19.19	19.33	19.17	19.13	19.80
		50	0	19.11	19.25	19.25	19.21	19.06	19.80
	16QAM	1	0	19.28	19.31	19.56	19.59	19.44	19.80
		1	25	19.58	19.54	19.47	19.29	19.45	19.80
		1	49	19.22	19.05	19.42	19.37	19.4	19.80
		25	0	19.17	19.11	19.17	19.1	19.04	19.80
		25	13	19.17	19.17	19.39	19.15	19.19	19.80
		25	25	19.11	19.27	19.38	19.21	19.23	19.80
		50	0	19.24	19.07	19.25	19.24	19.03	19.80
	64QAM	1	0	18.99	19.08	19.31	19.41	19.52	19.80
		1	25	19.36	19.32	19.45	19.37	19.33	19.80
		1	49	19.06	19.04	19.34	19.46	19.45	19.80
		25	0	19.07	19.03	19.07	18.87	18.99	19.80
		25	13	19.03	19.25	19.34	19.11	19.19	19.80
		25	25	18.97	19.13	19.28	19.20	19.10	19.80
		50	0	19.15	19.06	19.31	19.15	19.15	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	19.37	19.37	19.3	19.26	19.29	19.80
		1	38	19.33	19.25	19.17	19.16	19.32	19.80
		1	74	19.25	19.19	19.21	19.41	19.36	19.80
		36	0	19.22	19.07	19.34	19.27	19.15	19.80
		36	18	19.18	19.27	19.34	19.15	19.13	19.80
		36	39	19.07	19.2	19.26	19.31	19.16	19.80
		75	0	19.07	19.18	19.37	19.28	19.2	19.80



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	16QAM	1	0	19.34	19.31	19.56	19.51	19.56	19.80
		1	38	19.54	19.42	19.57	19.27	19.47	19.80
		1	74	19.24	19.08	19.48	19.54	19.45	19.80
		36	0	19.13	19.16	19.35	19.1	19.01	19.80
		36	18	19.19	19.25	19.27	18.96	19.21	19.80
		36	39	19.07	19.23	19.34	19.09	19.23	19.80
		75	0	19.1	19.04	19.2	19.1	19.12	19.80
	64QAM	1	0	18.94	18.98	19.34	19.49	19.42	19.80
		1	38	19.38	19.51	19.34	19.38	19.40	19.80
		1	74	19.04	18.98	19.44	19.35	19.29	19.80
		36	0	19.01	19.09	19.22	18.88	19.11	19.80
		36	18	19.08	19.27	19.28	19.17	19.13	19.80
		36	39	19.11	19.10	19.28	19.11	19.16	19.80
		75	0	19.17	19.03	19.32	19.14	19.05	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	19.31	19.38	19.33	19.36	19.29	19.80
		1	50	19.26	19.27	19.24	19.24	19.26	19.80
		1	99	19.19	19.17	19.2	19.41	19.37	19.80
		50	0	19.12	19.05	19.26	19.22	19.13	19.80
		50	25	19.17	19.2	19.31	19.09	19.14	19.80
		50	50	19.13	19.2	19.24	19.25	19.15	19.80
		100	0	19.14	19.2	19.3	19.2	19.14	19.80
	16QAM	1	0	19.31	19.32	19.55	19.53	19.52	19.80
		1	50	19.49	19.46	19.51	19.31	19.37	19.80
		1	99	19.17	19.13	19.47	19.45	19.47	19.80
		50	0	19.17	19.11	19.26	19.14	19.11	19.80
		50	25	19.18	19.27	19.33	19.06	19.15	19.80
		50	50	19.17	19.22	19.3	19.12	19.17	19.80
		100	0	19.17	19.08	19.29	19.14	19.04	19.80
	64QAM	1	0	19.00	19.05	19.38	19.49	19.43	19.80
		1	50	19.35	19.41	19.43	19.30	19.32	19.80
		1	99	19.02	19.04	19.36	19.37	19.35	19.80
		50	0	19.05	19.09	19.16	18.95	19.05	19.80
		50	25	19.12	19.22	19.30	19.07	19.16	19.80
		50	50	19.07	19.11	19.25	19.17	19.17	19.80
		100	0	19.20	19.11	19.26	19.05	19.09	19.80

LTE Band 41 2496 - 2690 PC3 state3				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	23.38	23.5	23.52	23.55	23.32	24.50



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		1	13	23.29	23.39	23.36	23.22	23.41	24.50
		1	24	23.18	23.43	23.25	23.23	23.34	24.50
		12	0	23.3	23.62	23.46	23.49	23.35	24.00
		12	6	23.48	23.69	23.66	23.26	23.38	24.00
		12	13	23.59	23.6	23.53	23.46	23.59	24.00
		25	0	23.46	23.64	23.68	23.41	23.33	24.00
	16QAM	1	0	23.43	23.38	23.6	23.71	23.51	24.00
		1	13	23.52	23.42	23.62	23.25	23.55	24.00
		1	24	23.43	23.36	23.55	23.59	23.56	24.00
		12	0	22.43	22.76	22.49	22.53	22.57	23.00
		12	6	22.53	22.51	22.56	22.4	22.52	23.00
		12	13	22.5	22.48	22.44	22.35	22.43	23.00
	64QAM	25	0	22.6	22.58	22.59	22.34	22.49	23.00
		1	0	22.66	22.83	22.74	22.56	22.42	23.00
		1	13	22.41	22.53	22.46	22.58	22.32	23.00
		1	24	22.48	22.60	22.46	22.49	22.29	23.00
		12	0	21.61	21.58	21.54	21.63	21.36	22.00
		12	6	21.74	21.48	21.65	21.50	21.60	22.00
		12	13	21.45	21.50	21.57	21.47	21.69	22.00
		25	0	21.48	21.48	21.55	21.49	21.27	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	23.29	23.39	23.42	23.52	23.35	24.50
		1	25	23.37	23.38	23.41	23.17	23.3	24.50
		1	49	23.29	23.41	23.26	23.31	23.32	24.50
		25	0	23.46	23.54	23.34	23.48	23.38	24.00
		25	13	23.57	23.73	23.56	23.42	23.31	24.00
		25	25	23.6	23.47	23.49	23.4	23.58	24.00
		50	0	23.42	23.66	23.57	23.34	23.39	24.00
	16QAM	1	0	23.52	23.53	23.54	23.7	23.53	24.00
		1	25	23.57	23.42	23.57	23.26	23.56	24.00
		1	49	23.46	23.27	23.63	23.67	23.41	24.00
		25	0	22.38	22.63	22.54	22.48	22.45	23.00
		25	13	22.53	22.61	22.63	22.35	22.5	23.00
		25	25	22.51	22.47	22.5	22.33	22.4	23.00
		50	0	22.44	22.57	22.57	22.35	22.3	23.00
	64QAM	1	0	22.50	22.74	22.62	22.46	22.31	23.00
		1	25	22.40	22.45	22.56	22.60	22.38	23.00
		1	49	22.39	22.60	22.50	22.45	22.43	23.00
		25	0	21.68	21.65	21.56	21.52	21.38	22.00
		25	13	21.65	21.62	21.49	21.45	21.56	22.00
		25	25	21.43	21.51	21.57	21.57	21.51	22.00
		50	0	21.59	21.50	21.60	21.56	21.46	22.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	23.34	23.5	23.54	23.53	23.34	24.50
		1	38	23.44	23.43	23.49	23.11	23.47	24.50
		1	74	23.33	23.4	23.37	23.36	23.27	24.50
		36	0	23.43	23.55	23.37	23.44	23.41	24.00
		36	18	23.49	23.54	23.51	23.25	23.31	24.00
		36	39	23.6	23.55	23.49	23.39	23.59	24.00
		75	0	23.46	23.64	23.59	23.43	23.33	24.00
	16QAM	1	0	23.48	23.38	23.52	23.74	23.49	24.00
		1	38	23.49	23.43	23.55	23.3	23.46	24.00
		1	74	23.37	23.37	23.56	23.71	23.43	24.00
		36	0	22.47	22.69	22.52	22.48	22.5	23.00
		36	18	22.41	22.56	22.55	22.45	22.5	23.00
		36	39	22.55	22.48	22.39	22.37	22.42	23.00
		75	0	22.51	22.51	22.59	22.36	22.4	23.00
	64QAM	1	0	22.56	22.73	22.59	22.46	22.34	23.00
		1	38	22.37	22.45	22.36	22.49	22.34	23.00
		1	74	22.37	22.62	22.34	22.58	22.44	23.00
		36	0	21.61	21.55	21.48	21.56	21.43	22.00
		36	18	21.72	21.53	21.51	21.42	21.56	22.00
		36	39	21.47	21.46	21.54	21.55	21.66	22.00
		75	0	21.61	21.57	21.53	21.56	21.33	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.39	23.42	23.42	23.45	23.42	24.50
		1	50	23.34	23.37	23.40	23.20	23.37	24.50
		1	99	23.45	23.33	23.29	23.31	23.31	24.50
		50	0	23.40	23.55	23.57	23.45	23.33	24.00
		50	25	23.56	23.44	23.55	23.34	23.41	24.00
		50	50	23.52	23.54	23.53	23.40	23.50	24.00
		100	0	23.46	23.66	23.60	23.41	23.41	24.00
	16QAM	1	0	23.49	23.43	23.62	23.64	23.44	24.00
		1	50	23.49	23.52	23.63	23.35	23.53	24.00
		1	99	23.40	23.35	23.62	23.67	23.48	24.00
		50	0	22.41	22.67	22.57	22.43	22.48	23.00
		50	25	22.50	22.59	22.59	22.40	22.42	23.00
		50	50	22.46	22.45	22.46	22.43	22.48	23.00
		100	0	22.51	22.61	22.58	22.35	22.40	23.00
	64QAM	1	0	22.59	22.75	22.64	22.51	22.41	23.00
		1	50	22.41	22.47	22.46	22.55	22.35	23.00
		1	99	22.42	22.57	22.42	22.54	22.37	23.00
		50	0	21.60	21.56	21.50	21.54	21.44	22.00



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		50	25	21.72	21.52	21.58	21.51	21.66	22.00
		50	50	21.52	21.53	21.47	21.51	21.59	22.00
		100	0	21.53	21.56	21.53	21.55	21.37	22.00

LTE Band 41 2496 - 2690 PC3 state5				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	18.32	18.33	18.37	18.42	18.32	19.50
		1	13	18.38	18.47	18.45	18.44	18.39	19.50
		1	24	18.4	18.41	18.39	18.54	18.36	19.50
		12	0	18.35	18.51	18.5	18.49	18.45	19.50
		12	6	18.39	18.29	18.7	18.39	18.51	19.50
		12	13	18.41	18.52	18.49	18.43	18.48	19.50
		25	0	18.56	18.48	18.57	18.5	18.38	19.50
	16QAM	1	0	18.35	18.44	18.58	18.51	18.45	19.50
		1	13	18.39	18.49	18.46	18.33	18.35	19.50
		1	24	18.4	18.47	18.64	18.36	18.42	19.50
		12	0	18.54	18.37	18.48	18.51	18.47	19.50
		12	6	18.41	18.46	18.69	18.39	18.49	19.50
		12	13	18.39	18.43	18.66	18.47	18.38	19.50
		25	0	18.54	18.48	18.53	18.44	18.36	19.50
	64QAM	1	0	18.57	18.49	18.72	18.38	18.43	19.50
		1	13	18.48	18.25	18.36	18.41	18.40	19.50
		1	24	18.23	18.02	18.38	18.59	18.50	19.50
		12	0	18.44	18.47	18.46	18.46	18.48	19.50
		12	6	18.52	18.33	18.61	18.43	18.47	19.50
		12	13	18.49	18.37	18.64	18.35	18.49	19.50
		25	0	18.42	18.58	18.62	18.46	18.42	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	18.36	18.32	18.44	18.36	18.35	19.50
		1	25	18.53	18.44	18.42	18.28	18.33	19.50
		1	49	18.35	18.52	18.43	18.6	18.39	19.50
		25	0	18.41	18.45	18.5	18.51	18.36	19.50
		25	13	18.58	18.47	18.67	18.32	18.36	19.50
		25	25	18.4	18.53	18.55	18.39	18.44	19.50
		50	0	18.51	18.45	18.62	18.48	18.53	19.50
	16QAM	1	0	18.31	18.4	18.55	18.5	18.56	19.50
		1	25	18.46	18.47	18.33	18.31	18.34	19.50
		1	49	18.42	18.34	18.64	18.4	18.35	19.50
		25	0	18.48	18.34	18.64	18.39	18.5	19.50



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		25	13	18.42	18.66	18.72	18.34	18.4	19.50
		25	25	18.47	18.45	18.6	18.48	18.58	19.50
		50	0	18.58	18.57	18.53	18.42	18.33	19.50
	64QAM	1	0	18.56	18.46	18.58	18.42	18.38	19.50
		1	25	18.50	18.25	18.42	18.44	18.46	19.50
		1	49	18.20	17.99	18.53	18.42	18.39	19.50
		25	0	18.42	18.40	18.54	18.42	18.34	19.50
		25	13	18.38	18.48	18.59	18.26	18.47	19.50
		25	25	18.47	18.38	18.57	18.46	18.50	19.50
		50	0	18.58	18.52	18.62	18.40	18.39	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	18.42	18.36	18.37	18.44	18.29	19.50
		1	38	18.37	18.46	18.37	18.3	18.39	19.50
		1	74	18.35	18.34	18.48	18.41	18.34	19.50
		36	0	18.37	18.57	18.62	18.38	18.46	19.50
		36	18	18.45	18.32	18.65	18.37	18.45	19.50
		36	39	18.51	18.51	18.61	18.36	18.58	19.50
		75	0	18.46	18.4	18.59	18.46	18.53	19.50
	16QAM	1	0	18.48	18.51	18.49	18.33	18.55	19.50
		1	38	18.54	18.38	18.48	18.18	18.23	19.50
		1	74	18.38	18.35	18.64	18.48	18.31	19.50
		36	0	18.39	18.5	18.65	18.33	18.5	19.50
		36	18	18.46	18.55	18.69	18.38	18.46	19.50
		36	39	18.36	18.34	18.56	18.53	18.57	19.50
		75	0	18.58	18.62	18.59	18.5	18.33	19.50
	64QAM	1	0	18.43	18.49	18.59	18.47	18.41	19.50
		1	38	18.45	18.24	18.42	18.32	18.53	19.50
		1	74	18.15	18.13	18.53	18.57	18.45	19.50
		36	0	18.41	18.38	18.59	18.45	18.44	19.50
		36	18	18.39	18.41	18.58	18.43	18.38	19.50
		36	39	18.37	18.27	18.65	18.48	18.53	19.50
		75	0	18.55	18.58	18.61	18.51	18.43	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	18.42	18.42	18.46	18.41	18.34	19.50
		1	50	18.45	18.51	18.4	18.34	18.32	19.50
		1	99	18.37	18.44	18.43	18.51	18.42	19.50
		50	0	18.45	18.48	18.54	18.41	18.44	19.50
		50	25	18.48	18.38	18.64	18.41	18.46	19.50
		50	50	18.47	18.46	18.54	18.46	18.54	19.50
		100	0	18.52	18.49	18.59	18.46	18.45	19.50
	16QAM	1	0	18.39	18.41	18.54	18.43	18.53	19.50



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		1	50	18.45	18.39	18.43	18.28	18.32	19.50
		1	99	18.39	18.41	18.58	18.43	18.33	19.50
		50	0	18.44	18.43	18.56	18.42	18.44	19.50
		50	25	18.49	18.56	18.67	18.3	18.39	19.50
		50	50	18.43	18.35	18.59	18.56	18.48	19.50
		100	0	18.53	18.55	18.62	18.4	18.43	19.50
	64QAM	1	0	18.50	18.53	18.65	18.41	18.38	19.50
		1	50	18.40	18.33	18.32	18.37	18.44	19.50
		1	99	18.13	18.03	18.44	18.52	18.43	19.50
		50	0	18.41	18.40	18.52	18.44	18.44	19.50
		50	25	18.47	18.40	18.62	18.35	18.41	19.50
		50	50	18.40	18.34	18.55	18.43	18.47	19.50
		100	0	18.50	18.56	18.65	18.49	18.41	19.50

LTE Band 41 2496 - 2690 PC3 state8				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	21.5	21.45	21.64	21.5	21.64	22.50
		1	13	21.38	21.58	21.47	21.29	21.46	22.50
		1	24	21.45	21.43	21.55	21.4	21.48	22.50
		12	0	21.48	21.6	21.6	21.53	21.5	22.50
		12	6	21.52	21.57	21.84	21.44	21.52	22.50
		12	13	21.49	21.46	21.51	21.46	21.54	22.50
		25	0	21.54	21.4	21.7	21.41	21.43	22.50
	16QAM	1	0	21.7	21.41	21.61	21.47	21.55	22.50
		1	13	21.37	21.58	21.67	21.35	21.59	22.50
		1	24	21.34	21.54	21.67	21.58	21.54	22.50
		12	0	21.59	21.57	21.6	21.37	21.42	22.50
		12	6	21.54	21.61	21.62	21.44	21.55	22.50
		12	13	21.62	21.52	21.58	21.51	21.53	22.50
		25	0	21.52	21.57	21.65	21.43	21.32	22.50
	64QAM	1	0	21.41	21.39	21.56	21.35	21.49	22.50
		1	13	21.43	21.51	21.56	21.44	21.38	22.50
		1	24	21.49	21.47	21.35	21.72	21.42	22.50
		12	0	21.46	21.54	21.58	21.56	21.33	22.00
		12	6	21.60	21.73	21.67	21.49	21.52	22.00
		12	13	21.46	21.59	21.65	21.39	21.54	22.00
		25	0	21.49	21.28	21.65	21.41	21.46	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	21.57	21.46	21.73	21.42	21.52	22.50



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		1	25	21.38	21.51	21.46	21.34	21.4	22.50
		1	49	21.45	21.39	21.48	21.33	21.43	22.50
		25	0	21.44	21.53	21.68	21.52	21.52	22.50
		25	13	21.5	21.49	21.79	21.58	21.52	22.50
		25	25	21.46	21.44	21.57	21.45	21.48	22.50
		50	0	21.52	21.47	21.77	21.39	21.48	22.50
	16QAM	1	0	21.6	21.54	21.74	21.39	21.66	22.50
		1	25	21.49	21.39	21.57	21.44	21.69	22.50
		1	49	21.42	21.45	21.64	21.45	21.51	22.50
		25	0	21.59	21.44	21.59	21.54	21.51	22.50
		25	13	21.58	21.65	21.72	21.48	21.57	22.50
		25	25	21.48	21.54	21.52	21.46	21.43	22.50
	64QAM	50	0	21.56	21.51	21.7	21.43	21.33	22.50
		1	0	21.51	21.56	21.67	21.30	21.40	22.50
		1	25	21.53	21.45	21.57	21.48	21.40	22.50
		1	49	21.44	21.46	21.29	21.52	21.50	22.50
		25	0	21.56	21.42	21.43	21.51	21.52	22.00
		25	13	21.64	21.76	21.62	21.41	21.45	22.00
		25	25	21.42	21.70	21.53	21.53	21.61	22.00
		50	0	21.55	21.26	21.66	21.41	21.48	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	21.57	21.46	21.67	21.54	21.63	22.50
		1	38	21.34	21.58	21.43	21.39	21.52	22.50
		1	74	21.45	21.44	21.66	21.43	21.4	22.50
		36	0	21.38	21.61	21.61	21.5	21.55	22.50
		36	18	21.67	21.63	21.85	21.57	21.49	22.50
		36	39	21.51	21.56	21.62	21.47	21.43	22.50
		75	0	21.48	21.38	21.6	21.56	21.51	22.50
	16QAM	1	0	21.58	21.4	21.74	21.37	21.52	22.50
		1	38	21.35	21.57	21.54	21.45	21.74	22.50
		1	74	21.35	21.53	21.55	21.59	21.49	22.50
		36	0	21.64	21.43	21.7	21.54	21.52	22.50
		36	18	21.57	21.74	21.57	21.47	21.61	22.50
		36	39	21.54	21.51	21.6	21.44	21.5	22.50
		75	0	21.51	21.49	21.73	21.59	21.38	22.50
	64QAM	1	0	21.53	21.53	21.56	21.41	21.59	22.50
		1	38	21.57	21.51	21.51	21.38	21.37	22.50
		1	74	21.34	21.50	21.48	21.66	21.39	22.50
		36	0	21.50	21.51	21.47	21.47	21.34	22.00
		36	18	21.52	21.76	21.65	21.29	21.50	22.00
		36	39	21.42	21.61	21.67	21.37	21.55	22.00
		75	0	21.53	21.29	21.71	21.45	21.34	22.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	21.51	21.49	21.67	21.48	21.6	22.50
		1	50	21.42	21.52	21.53	21.39	21.44	22.50
		1	99	21.39	21.41	21.58	21.39	21.39	22.50
		50	0	21.45	21.51	21.7	21.47	21.55	22.50
		50	25	21.59	21.59	21.7	21.5	21.54	22.50
		50	50	21.49	21.53	21.61	21.47	21.45	22.50
		100	0	21.5	21.46	21.69	21.47	21.51	22.50
	16QAM	1	0	21.62	21.49	21.7	21.39	21.59	22.50
		1	50	21.4	21.48	21.58	21.44	21.67	22.50
		1	99	21.37	21.48	21.64	21.49	21.56	22.50
		50	0	21.54	21.48	21.63	21.44	21.46	22.50
		50	25	21.59	21.64	21.64	21.38	21.51	22.50
		50	50	21.57	21.57	21.62	21.44	21.52	22.50
		100	0	21.56	21.59	21.65	21.49	21.4	22.50
	64QAM	1	0	21.45	21.49	21.64	21.37	21.49	22.50
		1	50	21.50	21.48	21.49	21.44	21.33	22.50
		1	99	21.40	21.52	21.38	21.62	21.47	22.50
		50	0	21.46	21.51	21.49	21.48	21.42	22.00
		50	25	21.61	21.66	21.68	21.39	21.50	22.00
		50	50	21.48	21.66	21.57	21.46	21.51	22.00
		100	0	21.47	21.33	21.65	21.45	21.42	22.00

LTE Band 41 2496 - 2690 PC3 state10				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	17.38	17.53	17.55	17.35	17.33	18.50
		1	13	17.37	17.39	17.58	17.19	17.37	18.50
		1	24	17.37	17.2	17.52	17.45	17.47	18.50
		12	0	17.38	17.61	17.54	17.64	17.4	18.50
		12	6	17.5	17.37	17.67	17.32	17.42	18.50
		12	13	17.63	17.58	17.49	17.42	17.56	18.50
		25	0	17.5	17.4	17.51	17.47	17.37	18.50
	16QAM	1	0	17.3	17.37	17.65	17.64	17.59	18.50
		1	13	17.41	17.47	17.51	17.46	17.46	18.50
		1	24	17.13	17.36	17.61	17.27	17.53	18.50
		12	0	17.38	17.4	17.46	17.61	17.53	18.50
		12	6	17.44	17.64	17.56	17.46	17.38	18.50
		12	13	17.45	17.61	17.62	17.51	17.55	18.50
		25	0	17.45	17.47	17.54	17.65	17.44	18.50



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		1	0	17.39	17.35	17.49	17.56	17.52	18.50
		1	13	17.37	17.21	17.41	17.32	17.30	18.50
		1	24	17.34	17.36	17.44	17.34	17.47	18.50
	64QAM	12	0	17.40	17.37	17.47	17.39	17.43	18.50
		12	6	17.42	17.44	17.41	17.58	17.51	18.50
		12	13	17.48	17.40	17.52	17.65	17.50	18.50
		25	0	17.56	17.55	17.68	17.31	17.31	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	17.42	17.35	17.47	17.46	17.47	18.50
		1	25	17.4	17.49	17.38	17.24	17.26	18.50
		1	49	17.23	17.33	17.43	17.51	17.33	18.50
		25	0	17.45	17.53	17.48	17.63	17.58	18.50
		25	13	17.53	17.43	17.52	17.34	17.51	18.50
		25	25	17.44	17.5	17.63	17.62	17.51	18.50
		50	0	17.44	17.43	17.65	17.5	17.57	18.50
	16QAM	1	0	17.37	17.24	17.49	17.58	17.48	18.50
		1	25	17.32	17.32	17.52	17.41	17.45	18.50
		1	49	17.18	17.21	17.67	17.28	17.52	18.50
		25	0	17.41	17.33	17.51	17.6	17.48	18.50
		25	13	17.57	17.53	17.55	17.55	17.41	18.50
		25	25	17.52	17.53	17.58	17.56	17.45	18.50
		50	0	17.46	17.48	17.63	17.46	17.4	18.50
	64QAM	1	0	17.41	17.50	17.49	17.49	17.47	18.50
		1	25	17.39	17.27	17.44	17.30	17.24	18.50
		1	49	17.21	17.24	17.55	17.33	17.38	18.50
		25	0	17.44	17.40	17.58	17.42	17.52	18.50
		25	13	17.48	17.47	17.48	17.68	17.41	18.50
		25	25	17.58	17.57	17.48	17.66	17.48	18.50
		50	0	17.57	17.66	17.50	17.43	17.38	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	17.33	17.51	17.5	17.47	17.46	18.50
		1	38	17.46	17.48	17.54	17.37	17.39	18.50
		1	74	17.31	17.14	17.48	17.55	17.42	18.50
		36	0	17.36	17.63	17.5	17.64	17.46	18.50
		36	18	17.45	17.37	17.52	17.38	17.46	18.50
		36	39	17.51	17.53	17.62	17.56	17.55	18.50
		75	0	17.54	17.48	17.65	17.52	17.56	18.50
	16QAM	1	0	17.47	17.34	17.53	17.58	17.63	18.50
		1	38	17.51	17.33	17.54	17.45	17.44	18.50
		1	74	17.28	17.2	17.47	17.32	17.53	18.50
		36	0	17.44	17.5	17.6	17.48	17.55	18.50



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		36	18	17.46	17.64	17.57	17.57	17.4	18.50
		36	39	17.51	17.57	17.7	17.62	17.43	18.50
		75	0	17.41	17.57	17.54	17.45	17.47	18.50
	64QAM	1	0	17.46	17.48	17.42	17.40	17.59	18.50
		1	38	17.27	17.16	17.50	17.35	17.29	18.50
		1	74	17.25	17.29	17.46	17.30	17.30	18.50
		36	0	17.35	17.44	17.45	17.36	17.47	18.50
		36	18	17.44	17.35	17.59	17.68	17.41	18.50
		36	39	17.56	17.48	17.57	17.61	17.62	18.50
		75	0	17.55	17.52	17.70	17.32	17.44	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	17.4	17.45	17.53	17.45	17.41	18.50
		1	50	17.39	17.44	17.48	17.27	17.34	18.50
		1	99	17.31	17.23	17.45	17.48	17.38	18.50
		50	0	17.46	17.56	17.58	17.57	17.5	18.50
		50	25	17.51	17.47	17.62	17.39	17.45	18.50
		50	50	17.53	17.49	17.59	17.52	17.49	18.50
		100	0	17.53	17.44	17.59	17.56	17.47	18.50
	16QAM	1	0	17.39	17.33	17.55	17.58	17.53	18.50
		1	50	17.42	17.39	17.49	17.42	17.43	18.50
		1	99	17.23	17.3	17.57	17.36	17.45	18.50
		50	0	17.47	17.42	17.56	17.56	17.47	18.50
		50	25	17.53	17.6	17.59	17.49	17.46	18.50
		50	50	17.53	17.51	17.63	17.55	17.5	18.50
		100	0	17.49	17.57	17.62	17.55	17.45	18.50
	64QAM	1	0	17.45	17.41	17.48	17.47	17.52	18.50
		1	50	17.36	17.26	17.51	17.34	17.25	18.50
		1	99	17.28	17.30	17.53	17.29	17.38	18.50
		50	0	17.45	17.46	17.55	17.39	17.47	18.50
		50	25	17.51	17.43	17.50	17.58	17.49	18.50
		50	50	17.51	17.49	17.58	17.60	17.58	18.50
		100	0	17.49	17.56	17.60	17.40	17.41	18.50



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4 Conducted Power of Main Antenna (Ant4)

4.1 Conducted Power of GSM

GSM 1900 state3/5/10										
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	29.51	29.42	29.63	30.50	-9.19	20.32	20.23	20.44	21.31
GPRS (GMSK)	1 TX Slot	29.54	29.38	29.53	30.50	-9.19	20.35	20.19	20.34	21.31
	2 TX Slots	27.20	26.87	26.66	28.00	-6.18	21.02	20.69	20.48	21.82
	3 TX Slots	25.72	25.29	25.43	26.50	-4.42	21.30	20.87	21.01	22.08
	4 TX Slots	24.66	24.75	24.76	25.50	-3.17	21.49	21.58	21.59	22.33
EGPRS (GMSK)	1 TX Slot	29.45	29.44	29.63	30.50	-9.19	20.26	20.25	20.44	21.31
	2 TX Slots	27.30	26.88	26.65	28.00	-6.18	21.12	20.70	20.47	21.82
	3 TX Slots	25.62	25.24	25.50	26.50	-4.42	21.20	20.82	21.08	22.08
	4 TX Slots	24.50	24.61	24.57	25.50	-3.17	21.33	21.44	21.40	22.33
EGPRS (8PSK)	1 TX Slot	26.07	26.05	26.17	27.00	-9.19	16.88	16.86	16.98	17.81
	2 TX Slots	23.56	23.93	23.34	24.50	-6.18	17.38	17.75	17.16	18.32
	3 TX Slots	21.82	22.16	22.23	23.00	-4.42	17.40	17.74	17.81	18.58
	4 TX Slots	21.42	21.56	21.54	22.50	-3.17	18.25	18.39	18.37	19.33

GSM 1900 state8										
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	28.91	28.40	28.63	29.50	-9.19	19.72	19.21	19.44	20.31
GPRS (GMSK)	1 TX Slot	28.84	28.45	28.62	29.50	-9.19	19.65	19.26	19.43	20.31
	2 TX Slots	25.46	25.29	25.77	27.00	-6.18	19.28	19.11	19.59	20.82
	3 TX Slots	23.95	23.73	23.74	25.50	-4.42	19.53	19.31	19.32	21.08
	4 TX Slots	22.67	22.63	22.65	24.50	-3.17	19.50	19.46	19.48	21.33
EGPRS (GMSK)	1 TX Slot	28.76	28.54	28.57	29.50	-9.19	19.57	19.35	19.38	20.31
	2 TX Slots	25.55	25.32	25.86	27.00	-6.18	19.37	19.14	19.68	20.82
	3 TX Slots	24.05	23.77	23.75	25.50	-4.42	19.63	19.35	19.33	21.08
	4 TX Slots	22.54	22.60	22.63	24.50	-3.17	19.37	19.43	19.46	21.33
EGPRS (8PSK)	1 TX Slot	26.05	26.13	26.08	27.00	-9.19	16.86	16.94	16.89	17.81
	2 TX Slots	23.58	23.87	23.26	24.50	-6.18	17.40	17.69	17.08	18.32
	3 TX Slots	21.83	22.24	22.18	23.00	-4.42	17.41	17.82	17.76	18.58
	4 TX Slots	21.35	21.51	21.47	22.50	-3.17	18.18	18.34	18.30	19.33



4.2 Conducted Power of WCDMA

WCDMA Band II state3					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.78	20.84	20.73	21.30
	12.2kbps AMR	20.71	20.80	20.66	21.30
HSDPA	Subtest 1	20.22	20.21	20.23	20.30
	Subtest 2	20.23	20.22	20.24	20.30
	Subtest 3	19.39	19.39	19.38	19.80
	Subtest 4	19.35	19.38	19.34	19.80
HSUPA	Subtest 1	19.90	19.85	19.88	20.50
	Subtest 2	17.84	17.85	17.85	18.50
	Subtest 3	18.86	18.81	18.84	19.50
	Subtest 4	17.88	17.87	17.85	18.50
	Subtest 5	20.37	20.35	20.36	20.50
DC-HSDPA	Subtest 1	20.15	20.16	20.14	20.30
	Subtest 2	20.25	20.18	20.28	20.30
	Subtest 3	19.40	19.38	19.40	19.80
	Subtest 4	19.44	19.34	19.43	19.80
HSPA+	16QAM	18.11	18.07	18.07	19.30

WCDMA Band II state5/10					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	24.02	24.04	24.06	24.80
	12.2kbps AMR	23.98	24.01	24.05	24.80
HSDPA	Subtest 1	23.59	23.57	23.60	23.80
	Subtest 2	23.60	23.59	23.62	23.80
	Subtest 3	22.64	22.60	22.62	23.30
	Subtest 4	22.62	22.62	22.60	23.30
HSUPA	Subtest 1	23.62	23.11	23.15	24.00
	Subtest 2	21.11	21.10	21.16	22.00
	Subtest 3	22.07	22.12	22.11	23.00
	Subtest 4	21.07	21.11	21.13	22.00
	Subtest 5	23.54	23.18	23.59	24.00
DC-HSDPA	Subtest 1	23.53	23.57	23.51	23.80
	Subtest 2	23.57	23.63	23.59	23.80
	Subtest 3	22.55	22.56	22.53	23.30
	Subtest 4	22.72	22.59	22.66	23.30
HSPA+	16QAM	21.30	21.34	21.32	22.80



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WCDMA Band II state8					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	19.18	19.17	19.13	19.80
	12.2kbps AMR	19.15	19.13	19.12	19.80
HSDPA	Subtest 1	18.62	18.63	18.65	18.80
	Subtest 2	18.65	18.58	18.60	18.80
	Subtest 3	17.81	17.75	17.82	18.30
	Subtest 4	17.81	17.76	17.79	18.30
HSUPA	Subtest 1	18.79	18.54	18.56	19.00
	Subtest 2	16.28	16.25	16.26	17.00
	Subtest 3	17.25	17.23	17.28	18.00
	Subtest 4	16.24	16.26	16.29	17.00
	Subtest 5	18.76	18.72	18.76	19.00
DC-HSDPA	Subtest 1	18.63	18.72	18.73	18.80
	Subtest 2	18.61	18.65	18.64	18.80
	Subtest 3	17.89	17.72	17.85	18.30
	Subtest 4	17.73	17.69	17.88	18.30
HSPA+	16QAM	16.45	16.47	16.50	17.80

WCDMA Band IV state3					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.06	21.18	21.13	21.80
	12.2kbps AMR	20.99	21.15	21.02	21.80
HSDPA	Subtest 1	20.57	20.64	20.60	20.80
	Subtest 2	20.56	20.65	20.61	20.80
	Subtest 3	19.74	19.81	19.80	20.30
	Subtest 4	19.67	19.81	19.79	20.30
HSUPA	Subtest 1	20.18	20.29	20.24	21.00
	Subtest 2	18.16	18.26	18.27	19.00
	Subtest 3	19.14	19.25	19.26	20.00
	Subtest 4	18.16	18.26	18.24	19.00
	Subtest 5	20.65	20.79	20.76	21.00
DC-HSDPA	Subtest 1	20.63	20.72	20.61	20.80
	Subtest 2	20.51	20.58	20.64	20.80
	Subtest 3	19.67	19.86	19.70	20.30
	Subtest 4	19.57	19.90	19.69	20.30
HSPA+	16QAM	18.39	18.46	18.48	19.80



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WCDMA Band IV state5/10					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	24.10	24.24	24.18	24.80
	12.2kbps AMR	24.10	24.23	24.22	24.80
HSDPA	Subtest 1	23.61	23.69	23.66	23.80
	Subtest 2	23.58	23.66	23.64	23.80
	Subtest 3	22.72	22.78	22.77	23.30
	Subtest 4	22.67	22.80	22.74	23.30
HSUPA	Subtest 1	23.23	23.33	23.30	24.00
	Subtest 2	21.23	21.28	21.25	22.00
	Subtest 3	22.20	22.33	22.31	23.00
	Subtest 4	21.19	21.30	21.28	22.00
	Subtest 5	23.71	23.77	23.76	24.00
DC-HSDPA	Subtest 1	23.54	23.63	23.75	23.80
	Subtest 2	23.53	23.61	23.54	23.80
	Subtest 3	22.67	22.79	22.87	23.30
	Subtest 4	22.57	22.85	22.79	23.30
HSPA+	16QAM	21.43	21.49	21.48	22.80

WCDMA Band IV state8					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	19.70	19.77	19.81	20.30
	12.2kbps AMR	19.55	19.65	19.70	20.30
HSDPA	Subtest 1	19.14	19.23	19.21	19.30
	Subtest 2	19.16	19.23	19.19	19.30
	Subtest 3	18.33	18.40	18.36	18.80
	Subtest 4	18.28	18.37	18.34	18.80
HSUPA	Subtest 1	18.78	18.88	18.85	19.50
	Subtest 2	16.78	16.86	16.86	17.50
	Subtest 3	17.75	17.87	17.87	18.50
	Subtest 4	16.77	16.91	16.89	17.50
	Subtest 5	19.27	19.35	19.32	19.50
DC-HSDPA	Subtest 1	19.19	19.23	19.18	19.30
	Subtest 2	19.07	19.27	19.16	19.30
	Subtest 3	18.40	18.34	18.27	18.80
	Subtest 4	18.30	18.36	18.37	18.80
HSPA+	16QAM	16.96	17.13	17.08	18.30



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4.3 Conducted Power of LTE

LTE Band 2 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	20.57	20.45	20.51	21.50
		1	2	20.30	20.72	20.81	21.50
		1	5	20.48	20.40	20.63	21.50
		3	0	20.73	20.71	20.64	21.50
		3	2	20.64	20.70	20.56	21.50
		3	3	20.76	20.66	20.62	21.50
		6	0	20.78	20.65	20.78	21.50
	16QAM	1	0	20.98	20.92	20.69	21.50
		1	2	21.06	21.04	20.59	21.50
		1	5	20.92	20.85	20.72	21.50
		3	0	20.64	20.73	20.49	21.50
		3	2	20.83	20.70	20.67	21.50
		3	3	20.84	20.75	20.61	21.50
		6	0	20.81	20.59	20.74	21.50
	64QAM	1	0	20.45	20.64	20.67	21.50
		1	2	20.39	20.64	20.80	21.50
		1	5	20.57	20.65	20.59	21.50
		3	0	20.69	20.66	20.60	21.50
		3	2	20.78	20.75	20.62	21.50
		3	3	20.77	20.80	20.50	21.50
		6	0	20.69	20.69	20.26	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	20.50	20.45	20.55	21.50
		1	7	20.30	20.78	20.74	21.50
		1	14	20.57	20.48	20.61	21.50
		8	0	20.60	20.73	20.55	21.50
		8	4	20.80	20.64	20.66	21.50
		8	7	20.68	20.71	20.79	21.50
		15	0	20.59	20.72	20.70	21.50
	16QAM	1	0	20.84	20.87	20.56	21.50
		1	7	20.97	20.98	20.59	21.50
		1	14	20.88	20.82	20.79	21.50
		8	0	20.73	20.73	20.67	21.50
		8	4	20.84	20.68	20.70	21.50
		8	7	20.91	20.91	20.70	21.50



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		15	0	20.76	20.59	20.68	21.50
	64QAM	1	0	20.58	20.68	20.51	21.50
		1	7	20.44	20.66	20.76	21.50
		1	14	20.64	20.80	20.61	21.50
		8	0	20.61	20.63	20.49	21.00
		8	4	20.73	20.70	20.62	21.00
		8	7	20.78	20.64	20.67	21.00
		15	0	20.76	20.68	20.26	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	20.58	20.53	20.61	21.50
		1	13	20.29	20.73	20.67	21.50
		1	24	20.39	20.43	20.67	21.50
		12	0	20.71	20.74	20.49	21.50
		12	6	20.83	20.71	20.70	21.50
		12	13	20.59	20.80	20.80	21.50
		25	0	20.62	20.68	20.77	21.50
	16QAM	1	0	21.00	20.77	20.59	21.50
		1	13	20.91	20.98	20.58	21.50
		1	24	20.89	20.84	20.72	21.50
		12	0	20.69	20.72	20.55	21.50
		12	6	20.69	20.63	20.71	21.50
		12	13	20.77	20.73	20.66	21.50
		25	0	20.79	20.59	20.60	21.50
	64QAM	1	0	20.59	20.65	20.71	21.50
		1	13	20.50	20.70	20.72	21.50
		1	24	20.64	20.68	20.58	21.50
		12	0	20.75	20.75	20.60	21.00
		12	6	20.74	20.69	20.61	21.00
		12	13	20.83	20.79	20.68	21.00
		25	0	20.73	20.59	20.31	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	20.46	20.57	20.60	21.50
		1	25	20.40	20.71	20.77	21.50
		1	49	20.55	20.46	20.60	21.50
		25	0	20.72	20.65	20.51	21.50
		25	13	20.69	20.61	20.55	21.50
		25	25	20.63	20.65	20.76	21.50
		50	0	20.77	20.68	20.76	21.50
	16QAM	1	0	20.97	20.78	20.52	21.50
		1	25	20.89	21.07	20.65	21.50



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		1	49	20.77	20.85	20.83	21.50
		25	0	20.72	20.71	20.60	21.50
		25	13	20.81	20.59	20.73	21.50
		25	25	20.81	20.83	20.69	21.50
		50	0	20.61	20.66	20.62	21.50
	64QAM	1	0	20.45	20.64	20.65	21.50
		1	25	20.53	20.60	20.73	21.50
		1	49	20.70	20.69	20.66	21.50
		25	0	20.58	20.66	20.53	21.00
		25	13	20.66	20.81	20.61	21.00
		25	25	20.84	20.64	20.63	21.00
		50	0	20.66	20.65	20.26	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	20.53	20.42	20.56	21.50
		1	38	20.31	20.85	20.80	21.50
		1	74	20.46	20.39	20.61	21.50
		36	0	20.78	20.76	20.64	21.50
		36	18	20.83	20.70	20.66	21.50
		36	39	20.71	20.73	20.78	21.50
		75	0	20.74	20.58	20.77	21.50
	16QAM	1	0	20.86	20.86	20.59	21.50
		1	38	21.06	21.01	20.53	21.50
		1	74	20.82	20.79	20.71	21.50
		36	0	20.56	20.80	20.52	21.50
		36	18	20.67	20.54	20.60	21.50
		36	39	20.87	20.84	20.60	21.50
		75	0	20.67	20.61	20.66	21.50
	64QAM	1	0	20.60	20.64	20.57	21.50
		1	38	20.49	20.58	20.88	21.50
		1	74	20.72	20.77	20.58	21.50
		36	0	20.68	20.73	20.55	21.00
		36	18	20.77	20.74	20.62	21.00
		36	39	20.83	20.78	20.54	21.00
		75	0	20.68	20.74	20.34	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	20.49	20.50	20.51	21.50
		1	50	20.37	20.76	20.75	21.50
		1	99	20.48	20.49	20.57	21.50
		50	0	20.69	20.75	20.59	21.50
		50	25	20.73	20.65	20.64	21.50



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	16QAM	50	50	20.66	20.75	20.72	21.50
		100	0	20.68	20.67	20.75	21.50
		1	0	20.93	20.85	20.60	21.50
		1	50	20.96	21.01	20.56	21.50
		1	99	20.87	20.82	20.79	21.50
		50	0	20.63	20.70	20.59	21.50
		50	25	20.76	20.62	20.70	21.50
		50	50	20.81	20.82	20.69	21.50
		100	0	20.71	20.63	20.70	21.50
	64QAM	1	0	20.54	20.70	20.61	21.50
		1	50	20.44	20.63	20.79	21.50
		1	99	20.64	20.73	20.64	21.50
		50	0	20.66	20.72	20.52	21.00
		50	25	20.70	20.72	20.67	21.00
		50	50	20.78	20.74	20.58	21.00
		100	0	20.68	20.68	20.28	21.00

LTE Band 2 state5/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.52	23.27	23.08	24.00
		1	2	23.26	23.28	23.34	24.00
		1	5	23.26	23.22	23.34	24.00
		3	0	23.40	23.42	23.32	24.00
		3	2	23.33	23.21	23.22	24.00
		3	3	23.38	23.26	23.21	24.00
		6	0	22.17	22.45	22.12	23.00
	16QAM	1	0	22.40	22.19	22.45	23.00
		1	2	22.61	22.39	22.37	23.00
		1	5	22.15	22.23	22.54	23.00
		3	0	22.48	22.23	22.23	23.00
		3	2	22.37	22.29	22.31	23.00
		3	3	22.52	22.53	22.30	23.00
		6	0	21.44	21.13	21.36	22.00
	64QAM	1	0	21.20	21.32	21.49	22.00
		1	2	21.40	21.29	21.47	22.00
		1	5	21.34	21.27	21.41	22.00
		3	0	21.13	21.13	21.06	22.00
		3	2	21.17	21.16	21.31	22.00
		3	3	21.34	21.12	21.27	22.00



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		6	0	20.34	20.23	20.01	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.51	23.31	23.26	24.00
		1	7	23.23	23.22	23.19	24.00
		1	14	23.30	23.30	23.46	24.00
		8	0	22.13	22.48	22.19	23.00
		8	4	22.20	22.40	22.11	23.00
		8	7	22.38	22.19	22.45	23.00
		15	0	22.36	22.34	22.23	23.00
	16QAM	1	0	22.21	21.99	22.60	23.00
		1	7	22.65	22.25	22.45	23.00
		1	14	22.30	22.24	22.40	23.00
		8	0	21.34	21.41	21.26	22.00
		8	4	21.25	21.34	21.18	22.00
		8	7	21.36	21.43	21.40	22.00
		15	0	21.28	21.04	21.34	22.00
	64QAM	1	0	21.28	21.14	21.49	22.00
		1	7	21.40	21.46	21.21	22.00
		1	14	21.39	21.31	21.27	22.00
		8	0	20.15	20.26	20.00	21.00
		8	4	20.15	20.13	20.18	21.00
		8	7	20.43	20.28	20.24	21.00
		15	0	20.27	20.06	20.01	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.53	23.52	23.03	24.00
		1	13	23.31	23.18	23.23	24.00
		1	24	23.20	23.33	23.33	24.00
		12	0	22.42	22.28	22.16	23.00
		12	6	22.27	22.15	22.16	23.00
		12	13	22.21	22.44	22.43	23.00
		25	0	22.30	22.33	22.24	23.00
	16QAM	1	0	22.22	22.04	22.32	23.00
		1	13	22.62	22.34	22.55	23.00
		1	24	22.21	22.21	22.50	23.00
		12	0	21.37	21.15	21.31	22.00
		12	6	21.39	21.28	21.14	22.00
		12	13	21.53	21.53	21.16	22.00
		25	0	21.40	21.24	21.29	22.00
	64QAM	1	0	21.15	21.25	21.40	22.00
		1	13	21.10	21.47	21.45	22.00



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		1	24	21.14	21.37	21.44	22.00
		12	0	20.07	20.22	20.00	21.00
		12	6	20.21	20.28	20.42	21.00
		12	13	20.18	20.14	20.24	21.00
		25	0	20.32	20.19	20.16	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.25	23.43	23.07	24.00
		1	25	23.41	23.07	23.04	24.00
		1	49	23.26	23.21	23.23	24.00
		25	0	22.35	22.26	22.33	23.00
		25	13	22.23	22.32	22.23	23.00
		25	25	22.19	22.38	22.17	23.00
		50	0	22.33	22.29	22.15	23.00
	16QAM	1	0	22.21	22.26	22.50	23.00
		1	25	22.47	22.21	22.29	23.00
		1	49	22.29	22.31	22.52	23.00
		25	0	21.36	21.15	21.23	22.00
		25	13	21.48	21.29	21.12	22.00
		25	25	21.51	21.32	21.38	22.00
		50	0	21.49	21.12	21.25	22.00
	64QAM	1	0	21.40	21.20	21.32	22.00
		1	25	21.27	21.44	21.27	22.00
		1	49	21.14	21.41	21.47	22.00
		25	0	20.09	20.16	20.10	21.00
		25	13	20.20	20.23	20.37	21.00
		25	25	20.23	20.28	20.10	21.00
		50	0	20.17	20.25	20.06	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.39	23.54	22.99	24.00
		1	38	23.33	23.23	23.19	24.00
		1	74	23.28	23.29	23.20	24.00
		36	0	22.23	22.19	22.23	23.00
		36	18	22.19	22.30	22.39	23.00
		36	39	22.17	22.34	22.42	23.00
		75	0	22.29	22.19	22.01	23.00
	16QAM	1	0	22.34	22.10	22.48	23.00
		1	38	22.67	22.45	22.45	23.00
		1	74	22.20	22.14	22.54	23.00
		36	0	21.32	21.13	21.35	22.00
		36	18	21.29	21.27	21.28	22.00



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		36	39	21.34	21.32	21.41	22.00
		75	0	21.30	21.24	21.28	22.00
	64QAM	1	0	21.32	21.26	21.28	22.00
		1	38	21.11	21.17	21.46	22.00
		1	74	21.37	21.14	21.27	22.00
		36	0	20.20	20.23	20.14	21.00
		36	18	20.21	20.34	20.20	21.00
		36	39	20.34	20.29	20.05	21.00
		75	0	20.25	20.16	20.22	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.38	23.40	23.13	24.00
		1	50	23.28	23.16	23.19	24.00
		1	99	23.30	23.29	23.33	24.00
		50	0	22.28	22.34	22.23	23.00
		50	25	22.27	22.27	22.26	23.00
		50	50	22.25	22.29	22.30	23.00
		100	0	22.31	22.33	22.16	23.00
	16QAM	1	0	22.32	22.12	22.46	23.00
		1	50	22.62	22.36	22.41	23.00
		1	99	22.26	22.24	22.52	23.00
		50	0	21.35	21.28	21.22	22.00
		50	25	21.35	21.26	21.22	22.00
		50	50	21.42	21.39	21.26	22.00
		100	0	21.37	21.13	21.21	22.00
	64QAM	1	0	21.29	21.29	21.38	22.00
		1	50	21.25	21.32	21.36	22.00
		1	99	21.26	21.26	21.34	22.00
		50	0	20.20	20.19	20.12	21.00
		50	25	20.21	20.21	20.31	21.00
		50	50	20.29	20.23	20.15	21.00
		100	0	20.21	20.19	20.09	21.00

LTE Band 2 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.03	19.35	19.14	20.00
		1	2	19.40	19.23	18.93	20.00
		1	5	19.35	18.82	19.47	20.00
		3	0	19.21	19.24	19.12	20.00



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		3	2	19.32	19.21	19.08	20.00
		3	3	19.15	19.21	19.25	20.00
		6	0	19.27	19.10	19.26	20.00
	16QAM	1	0	19.42	19.04	19.23	20.00
		1	2	19.29	19.35	19.32	20.00
		1	5	19.36	19.24	19.27	20.00
		3	0	19.04	19.17	19.00	20.00
		3	2	19.13	19.15	19.08	20.00
		3	3	19.14	19.18	19.29	20.00
		6	0	19.15	19.20	19.15	20.00
		1	0	19.09	19.11	19.18	20.00
	64QAM	1	2	19.27	19.14	19.06	20.00
		1	5	19.10	19.23	19.24	20.00
		3	0	19.14	19.10	19.11	20.00
		3	2	19.21	19.20	19.11	20.00
		3	3	19.13	19.34	19.13	20.00
		6	0	19.24	19.08	19.19	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	19.11	19.46	19.12	20.00
		1	7	19.44	19.22	19.11	20.00
		1	14	19.37	18.79	19.41	20.00
		8	0	19.16	19.37	19.09	20.00
		8	4	19.18	19.21	19.07	20.00
		8	7	19.13	19.17	19.19	20.00
		15	0	19.28	19.06	19.17	20.00
	16QAM	1	0	19.31	19.01	19.27	20.00
		1	7	19.36	19.25	19.39	20.00
		1	14	19.31	19.25	19.22	20.00
		8	0	19.07	19.11	19.04	20.00
		8	4	19.17	19.09	19.12	20.00
		8	7	19.15	19.16	19.14	20.00
		15	0	19.15	19.18	19.11	20.00
	64QAM	1	0	19.07	19.18	19.18	20.00
		1	7	19.24	19.12	19.14	20.00
		1	14	19.18	19.20	19.19	20.00
		8	0	19.14	19.10	19.08	20.00
		8	4	19.20	19.09	19.15	20.00
		8	7	19.13	19.21	19.10	20.00
		15	0	19.21	19.14	19.13	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	



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5MHz	QPSK	1	0	19.12	19.39	19.30	20.00
		1	13	19.26	19.21	18.92	20.00
		1	24	19.34	18.77	19.38	20.00
		12	0	19.18	19.36	19.10	20.00
		12	6	19.19	19.22	19.04	20.00
		12	13	19.30	19.16	19.22	20.00
		25	0	19.18	19.07	19.22	20.00
	16QAM	1	0	19.34	19.16	19.33	20.00
		1	13	19.32	19.26	19.42	20.00
		1	24	19.38	19.28	19.27	20.00
		12	0	19.05	19.11	18.97	20.00
		12	6	19.32	19.13	19.16	20.00
		12	13	19.11	19.33	19.28	20.00
		25	0	19.16	19.05	19.09	20.00
	64QAM	1	0	19.19	19.10	19.20	20.00
		1	13	19.23	19.13	19.21	20.00
		1	24	19.18	19.17	19.06	20.00
		12	0	19.23	19.10	19.17	20.00
		12	6	19.07	19.11	19.19	20.00
		12	13	19.17	19.25	19.02	20.00
		25	0	19.20	19.16	19.16	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.06	19.34	19.14	20.00
		1	25	19.25	19.19	19.07	20.00
		1	49	19.44	18.87	19.35	20.00
		25	0	19.09	19.27	19.24	20.00
		25	13	19.23	19.18	19.10	20.00
		25	25	19.15	19.07	19.23	20.00
		50	0	19.21	19.15	19.25	20.00
	16QAM	1	0	19.23	19.06	19.14	20.00
		1	25	19.25	19.30	19.26	20.00
		1	49	19.35	19.31	19.22	20.00
		25	0	19.15	19.16	18.95	20.00
		25	13	19.28	19.10	19.05	20.00
		25	25	19.08	19.15	19.16	20.00
		50	0	19.15	19.15	19.09	20.00
	64QAM	1	0	19.14	19.13	19.20	20.00
		1	25	19.19	19.09	19.23	20.00
		1	49	19.25	19.11	19.08	20.00
		25	0	19.16	19.11	19.16	20.00
		25	13	19.24	19.16	19.18	20.00



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		25	25	19.16	19.23	18.99	20.00
		50	0	19.18	19.09	19.24	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.04	19.36	19.16	20.00
		1	38	19.37	19.33	19.03	20.00
		1	74	19.38	18.88	19.27	20.00
		36	0	19.16	19.31	19.21	20.00
		36	18	19.21	19.04	18.98	20.00
		36	39	19.28	19.15	19.20	20.00
		75	0	19.19	19.13	19.17	20.00
	16QAM	1	0	19.37	19.15	19.33	20.00
		1	38	19.28	19.39	19.23	20.00
		1	74	19.45	19.31	19.23	20.00
		36	0	19.22	19.19	19.03	20.00
		36	18	19.15	19.21	19.04	20.00
		36	39	19.22	19.34	19.24	20.00
		75	0	19.24	19.12	19.08	20.00
	64QAM	1	0	19.05	19.23	19.19	20.00
		1	38	19.12	19.19	19.05	20.00
		1	74	19.24	19.17	19.07	20.00
		36	0	19.14	19.17	19.15	20.00
		36	18	19.14	19.05	19.06	20.00
		36	39	19.31	19.18	19.10	20.00
		75	0	19.22	19.21	19.26	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	19.04	19.39	19.20	20.00
		1	50	19.34	19.26	19.01	20.00
		1	99	19.38	18.87	19.37	20.00
		50	0	19.16	19.27	19.15	20.00
		50	25	19.26	19.13	19.04	20.00
		50	50	19.23	19.14	19.23	20.00
		100	0	19.20	19.09	19.16	20.00
	16QAM	1	0	19.32	19.07	19.24	20.00
		1	50	19.33	19.32	19.33	20.00
		1	99	19.35	19.34	19.21	20.00
		50	0	19.12	19.10	19.03	20.00
		50	25	19.22	19.11	19.14	20.00
		50	50	19.16	19.24	19.19	20.00
		100	0	19.18	19.13	19.17	20.00
	64QAM	1	0	19.10	19.18	19.22	20.00



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		1	50	19.17	19.16	19.15	20.00
		1	99	19.16	19.13	19.14	20.00
		50	0	19.16	19.09	19.10	20.00
		50	25	19.16	19.13	19.13	20.00
		50	50	19.22	19.24	19.08	20.00
		100	0	19.19	19.15	19.20	20.00

LTE Band 4 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.54	21.95	22.10	22.50
		1	2	21.63	21.72	21.73	22.50
		1	5	21.68	21.92	22.01	22.50
		3	0	21.63	21.85	22.01	22.50
		3	2	21.85	21.98	21.85	22.50
		3	3	21.83	21.93	22.09	22.50
		6	0	21.91	21.90	21.91	22.50
	16QAM	1	0	21.99	21.97	21.60	22.50
		1	2	22.00	22.08	22.04	22.50
		1	5	21.72	22.13	21.77	22.50
		3	0	21.78	21.77	21.86	22.50
		3	2	21.85	21.98	21.90	22.50
		3	3	21.99	22.10	22.12	22.50
		6	0	21.81	21.79	21.96	22.50
	64QAM	1	0	21.60	21.64	22.04	22.50
		1	2	21.67	21.77	21.95	22.50
		1	5	21.73	22.13	21.87	22.50
		3	0	22.18	22.30	22.36	22.50
		3	2	22.26	22.36	22.32	22.50
		3	3	22.32	22.49	22.36	22.50
		6	0	21.98	21.97	21.89	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.57	21.94	21.92	22.50
		1	7	21.76	21.91	21.87	22.50
		1	14	21.76	21.82	21.96	22.50
		8	0	21.62	22.04	21.88	22.50
		8	4	21.84	21.89	21.96	22.50
		8	7	21.79	21.94	21.93	22.50
		15	0	21.88	21.89	21.97	22.50



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	16QAM	1	0	21.91	21.91	21.63	22.50
		1	7	21.89	22.05	22.08	22.50
		1	14	21.76	22.00	21.79	22.50
		8	0	21.76	21.82	21.88	22.50
		8	4	21.87	21.90	21.99	22.50
		8	7	21.93	22.09	22.02	22.50
		15	0	21.78	21.81	21.94	22.50
	64QAM	1	0	21.44	21.63	22.03	22.50
		1	7	21.66	21.81	22.02	22.50
		1	14	21.92	22.12	21.90	22.50
		8	0	21.70	21.95	21.79	22.00
		8	4	21.80	21.93	21.84	22.00
		8	7	21.90	21.89	21.91	22.00
		15	0	21.92	21.98	21.92	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.64	21.94	21.92	22.50
		1	13	21.70	21.86	21.87	22.50
		1	24	21.82	21.98	22.01	22.50
		12	0	21.78	21.89	22.03	22.50
		12	6	21.96	21.80	21.98	22.50
		12	13	21.87	21.94	21.98	22.50
		25	0	21.85	21.83	21.88	22.50
	16QAM	1	0	21.96	21.90	21.55	22.50
		1	13	21.90	22.01	22.06	22.50
		1	24	21.81	22.00	21.87	22.50
		12	0	21.72	21.91	22.03	22.50
		12	6	21.86	21.93	21.97	22.50
		12	13	21.85	21.91	21.95	22.50
		25	0	21.96	21.76	21.82	22.50
	64QAM	1	0	21.52	21.66	21.90	22.50
		1	13	21.82	21.74	21.88	22.50
		1	24	21.80	21.99	21.90	22.50
		12	0	21.62	21.79	21.90	22.00
		12	6	21.75	21.97	21.92	22.00
		12	13	21.88	21.97	21.90	22.00
		25	0	21.83	21.89	21.93	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.52	21.95	21.98	22.50
		1	25	21.67	21.77	21.80	22.50
		1	49	21.69	21.85	21.84	22.50



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		25	0	21.82	21.95	21.96	22.50
		25	13	21.85	21.94	21.88	22.50
		25	25	21.88	21.95	22.02	22.50
		50	0	21.81	21.88	21.87	22.50
	16QAM	1	0	21.97	21.95	21.57	22.50
		1	25	21.86	22.05	21.98	22.50
		1	49	21.77	22.06	21.74	22.50
		25	0	21.80	21.85	21.97	22.50
		25	13	21.89	21.97	21.95	22.50
		25	25	21.86	22.00	21.98	22.50
		50	0	21.82	21.85	21.89	22.50
	64QAM	1	0	21.53	21.63	21.91	22.50
		1	25	21.64	21.81	21.95	22.50
		1	49	21.92	21.99	21.82	22.50
		25	0	21.71	21.82	21.79	22.00
		25	13	21.89	21.85	21.89	22.00
		25	25	21.94	21.97	21.83	22.00
		50	0	21.85	21.86	21.99	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.47	21.96	21.93	22.50
		1	38	21.71	21.74	21.78	22.50
		1	74	21.74	21.91	21.97	22.50
		36	0	21.73	22.06	21.96	22.50
		36	18	21.96	21.78	21.98	22.50
		36	39	21.76	21.95	21.93	22.50
		75	0	21.79	21.83	21.98	22.50
	16QAM	1	0	21.94	22.07	21.54	22.50
		1	38	21.85	22.01	21.96	22.50
		1	74	21.78	22.01	21.86	22.50
		36	0	21.70	21.88	21.89	22.50
		36	18	22.00	21.81	21.91	22.50
		36	39	21.96	22.10	22.07	22.50
		75	0	21.85	21.94	21.92	22.50
	64QAM	1	0	21.58	21.59	22.03	22.50
		1	38	21.68	21.75	21.97	22.50
		1	74	21.86	22.10	21.91	22.50
		36	0	21.75	21.85	21.89	22.00
		36	18	21.82	21.82	21.84	22.00
		36	39	21.98	21.78	21.85	22.00
		75	0	21.96	21.91	21.97	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				20050	20175	20300	
20MHz	QPSK	1	0	21.56	22.00	22.02	22.50
		1	50	21.69	21.82	21.80	22.50
		1	99	21.75	21.90	21.91	22.50
		50	0	21.72	21.94	21.93	22.50
		50	25	21.91	21.88	21.95	22.50
		50	50	21.85	22.03	22.02	22.50
		100	0	21.87	21.90	21.96	22.50
	16QAM	1	0	21.90	21.97	21.63	22.50
		1	50	21.95	22.13	22.06	22.50
		1	99	21.82	22.04	21.80	22.50
		50	0	21.72	21.87	21.94	22.50
		50	25	21.94	21.91	21.98	22.50
		50	50	21.94	22.01	22.03	22.50
		100	0	21.86	21.86	21.88	22.50
	64QAM	1	0	21.52	21.68	21.95	22.50
		1	50	21.72	21.75	21.96	22.50
		1	99	21.83	22.04	21.82	22.50
		50	0	21.69	21.87	21.84	22.00
		50	25	21.81	21.90	21.88	22.00
		50	50	21.93	21.98	21.86	22.00
		100	0	21.88	21.88	21.97	22.00

LTE Band 4 state5/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	24.14	24.25	24.21	25.00
		1	2	24.21	24.29	24.28	25.00
		1	5	24.28	23.96	24.66	25.00
		3	0	24.21	24.18	24.28	25.00
		3	2	24.17	24.22	24.38	25.00
		3	3	24.26	24.47	24.63	25.00
		6	0	23.15	23.22	23.35	24.00
	16QAM	1	0	23.15	23.35	23.48	24.00
		1	2	23.41	23.37	23.60	24.00
		1	5	23.41	23.69	23.62	24.00
		3	0	23.24	23.25	23.29	24.00
		3	2	23.33	23.26	23.38	24.00
		3	3	23.41	23.63	23.44	24.00
		6	0	22.25	22.16	22.33	23.00



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		1	0	21.44	21.98	21.90	23.00
		1	2	21.89	21.98	21.93	23.00
		1	5	22.01	22.04	22.10	23.00
	64QAM	3	0	22.03	22.15	22.41	23.00
		3	2	22.35	22.19	22.46	23.00
		3	3	22.25	22.50	22.38	23.00
		6	0	21.24	21.30	21.31	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
		1	0	24.15	24.25	24.19	25.00
		1	7	24.11	24.29	24.13	25.00
		1	14	24.15	23.90	24.26	25.00
	QPSK	8	0	23.03	23.28	23.19	24.00
		8	4	23.11	23.35	23.28	24.00
		8	7	23.31	23.46	23.49	24.00
		15	0	23.24	23.34	23.43	24.00
		1	0	23.05	23.42	23.56	24.00
		1	7	23.50	23.44	23.71	24.00
		1	14	23.55	23.78	23.58	24.00
	16QAM	8	0	22.20	22.21	22.16	23.00
		8	4	22.19	22.29	22.26	23.00
		8	7	22.50	22.46	22.41	23.00
		15	0	22.24	22.33	22.28	23.00
		1	0	21.56	21.91	21.94	23.00
		1	7	21.92	21.96	21.89	23.00
		1	14	22.02	21.95	22.17	23.00
	64QAM	8	0	21.16	21.10	21.34	22.00
		8	4	21.34	21.23	21.34	22.00
		8	7	21.20	21.34	21.43	22.00
		15	0	21.18	21.33	21.25	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
		1	0	24.14	24.24	24.09	25.00
		1	13	24.23	24.21	24.18	25.00
		1	24	24.21	23.88	24.36	25.00
	QPSK	12	0	23.24	23.16	23.36	24.00
		12	6	23.08	23.12	23.40	24.00
		12	13	23.20	23.41	23.46	24.00
		25	0	23.19	23.34	23.49	24.00
		1	0	23.04	23.45	23.47	24.00
	16QAM	1	13	23.38	23.30	23.58	24.00
		1	24	23.51	23.61	23.58	24.00



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		12	0	22.19	22.37	22.19	23.00
		12	6	22.18	22.43	22.47	23.00
		12	13	22.29	22.63	22.52	23.00
		25	0	22.36	22.33	22.20	23.00
	64QAM	1	0	21.45	21.97	21.88	23.00
		1	13	21.73	21.96	21.92	23.00
		1	24	21.96	22.04	22.11	23.00
		12	0	21.17	21.09	21.24	22.00
		12	6	21.25	21.33	21.42	22.00
		12	13	21.27	21.32	21.48	22.00
		25	0	21.14	21.21	21.32	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	24.09	24.12	24.03	25.00
		1	25	24.22	24.35	24.17	25.00
		1	49	24.31	23.93	24.47	25.00
		25	0	23.12	23.26	23.14	24.00
		25	13	23.10	23.34	23.34	24.00
		25	25	23.13	23.37	23.51	24.00
		50	0	23.25	23.33	23.31	24.00
	16QAM	1	0	23.08	23.44	23.53	24.00
		1	25	23.34	23.36	23.66	24.00
		1	49	23.52	23.68	23.50	24.00
		25	0	22.31	22.29	22.28	23.00
		25	13	22.26	22.39	22.36	23.00
		25	25	22.38	22.57	22.54	23.00
		50	0	22.39	22.14	22.23	23.00
	64QAM	1	0	21.47	21.84	21.86	23.00
		1	25	21.75	22.08	22.02	23.00
		1	49	22.07	22.01	22.13	23.00
		25	0	21.06	21.13	21.37	22.00
		25	13	21.16	21.19	21.36	22.00
		25	25	21.33	21.45	21.34	22.00
		50	0	21.21	21.08	21.31	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.93	24.24	24.17	25.00
		1	38	24.14	24.19	24.21	25.00
		1	74	24.25	23.83	24.32	25.00
		36	0	23.26	23.36	23.13	24.00
		36	18	23.07	23.13	23.40	24.00
		36	39	23.21	23.33	23.59	24.00



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		75	0	23.20	23.20	23.39	24.00
	16QAM	1	0	23.08	23.42	23.61	24.00
		1	38	23.49	23.40	23.58	24.00
		1	74	23.43	23.75	23.66	24.00
		36	0	22.11	22.30	22.20	23.00
		36	18	22.35	22.20	22.29	23.00
		36	39	22.33	22.48	22.62	23.00
		75	0	22.30	22.20	22.33	23.00
	64QAM	1	0	21.52	22.00	21.92	23.00
		1	38	21.78	21.93	22.03	23.00
		1	74	21.99	21.85	22.11	23.00
		36	0	21.11	21.27	21.38	22.00
		36	18	21.23	21.10	21.31	22.00
		36	39	21.31	21.51	21.33	22.00
		75	0	21.07	21.28	21.17	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	24.13	24.23	24.20	25.00
		1	50	24.23	24.38	24.28	25.00
		1	99	24.34	23.91	24.77	25.00
		50	0	23.23	23.33	23.33	24.00
		50	25	23.22	23.31	23.42	24.00
		50	50	23.27	23.51	23.58	24.00
		100	0	23.29	23.38	23.46	24.00
				23.14	23.42	23.61	24.00
	16QAM	1	50	23.51	23.42	23.68	24.00
		1	99	23.57	23.73	23.70	24.00
		50	0	22.27	22.34	22.36	23.00
		50	25	22.31	22.40	22.43	23.00
		50	50	22.48	22.60	22.60	23.00
		100	0	22.39	22.33	22.33	23.00
				21.63	22.04	22.03	23.00
		1	50	21.93	22.07	22.09	23.00
	64QAM	1	99	22.10	22.05	22.12	23.00
		50	0	21.13	21.29	21.38	22.00
		50	25	21.32	21.28	21.41	22.00
		50	50	21.32	21.48	21.50	22.00
		100	0	21.25	21.28	21.36	22.00

LTE Band 4 state8	Conducted Power(dBm)
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	19.48	19.72	19.93	20.50
		1	2	19.72	19.72	19.94	20.50
		1	5	19.71	19.94	19.88	20.50
		3	0	19.61	19.82	20.03	20.50
		3	2	19.85	19.88	20.05	20.50
		3	3	20.00	20.04	19.87	20.50
		6	0	19.78	19.87	19.92	20.50
	16QAM	1	0	19.60	19.74	20.01	20.50
		1	2	20.12	20.09	20.04	20.50
		1	5	20.09	20.13	20.15	20.50
		3	0	19.75	19.80	19.91	20.50
		3	2	19.89	19.95	19.91	20.50
		3	3	19.96	20.04	20.01	20.50
		6	0	19.79	19.77	20.00	20.50
	64QAM	1	0	19.80	19.84	19.97	20.50
		1	2	19.84	19.64	19.97	20.50
		1	5	19.75	19.94	20.06	20.50
		3	0	19.59	19.88	19.95	20.50
		3	2	19.78	19.98	19.94	20.50
		3	3	19.91	19.97	20.05	20.50
		6	0	19.95	19.91	19.86	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	19.54	19.58	20.06	20.50
		1	7	19.86	19.70	19.83	20.50
		1	14	19.70	19.92	19.99	20.50
		8	0	19.65	19.89	19.88	20.50
		8	4	19.88	19.78	19.91	20.50
		8	7	19.84	20.08	19.93	20.50
		15	0	19.86	19.93	19.89	20.50
	16QAM	1	0	19.72	19.78	20.04	20.50
		1	7	20.23	19.98	20.05	20.50
		1	14	20.13	20.08	20.13	20.50
		8	0	19.73	19.80	19.93	20.50
		8	4	19.78	19.82	19.83	20.50
		8	7	19.86	20.10	20.05	20.50
		15	0	19.97	19.82	19.91	20.50
	64QAM	1	0	19.91	19.84	19.81	20.50
		1	7	19.78	19.78	20.04	20.50
		1	14	19.77	19.93	20.12	20.50



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		8	0	19.69	19.84	19.91	20.50
		8	4	19.75	19.91	20.06	20.50
		8	7	19.95	20.03	20.11	20.50
		15	0	19.85	19.99	19.84	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	19.53	19.66	19.89	20.50
		1	13	19.81	19.72	19.89	20.50
		1	24	19.70	19.99	19.86	20.50
		12	0	19.75	19.85	19.89	20.50
		12	6	19.84	19.91	20.00	20.50
		12	13	19.92	20.03	19.95	20.50
		25	0	19.82	19.79	19.91	20.50
	16QAM	1	0	19.77	19.81	20.14	20.50
		1	13	20.02	20.04	20.02	20.50
		1	24	20.11	20.09	20.19	20.50
		12	0	19.63	19.85	19.90	20.50
		12	6	19.79	19.90	19.93	20.50
		12	13	19.93	19.97	19.99	20.50
		25	0	19.91	19.94	19.92	20.50
	64QAM	1	0	19.86	19.76	19.93	20.50
		1	13	19.82	19.66	20.02	20.50
		1	24	19.77	19.99	20.14	20.50
		12	0	19.57	19.88	19.93	20.50
		12	6	19.92	19.96	19.93	20.50
		12	13	19.94	20.02	19.93	20.50
		25	0	19.91	19.88	19.90	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	19.60	19.67	20.01	20.50
		1	25	19.80	19.62	19.81	20.50
		1	49	19.80	20.00	19.84	20.50
		25	0	19.65	19.88	19.95	20.50
		25	13	19.86	19.88	19.94	20.50
		25	25	19.98	20.04	19.98	20.50
		50	0	19.81	19.81	19.92	20.50
	16QAM	1	0	19.67	19.78	20.09	20.50
		1	25	20.21	19.97	19.99	20.50
		1	49	20.08	20.17	20.25	20.50
		25	0	19.65	19.86	19.95	20.50
		25	13	19.79	19.79	19.77	20.50
		25	25	19.83	20.11	20.15	20.50



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		50	0	19.98	19.86	19.94	20.50
	64QAM	1	0	19.90	19.81	19.98	20.50
		1	25	19.75	19.76	20.01	20.50
		1	49	19.79	19.87	20.09	20.50
		25	0	19.68	19.91	19.90	20.50
		25	13	19.83	20.07	19.98	20.50
		25	25	19.78	19.95	19.93	20.50
		50	0	19.80	19.85	19.89	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	19.55	19.71	20.04	20.50
		1	38	19.86	19.78	19.87	20.50
		1	74	19.69	19.93	19.98	20.50
		36	0	19.65	19.84	19.92	20.50
		36	18	19.96	19.83	19.91	20.50
		36	39	20.01	19.94	19.99	20.50
		75	0	19.78	19.81	19.79	20.50
	16QAM	1	0	19.67	19.76	19.95	20.50
		1	38	20.11	19.96	20.05	20.50
		1	74	20.13	20.20	20.14	20.50
		36	0	19.73	19.78	19.85	20.50
		36	18	19.91	19.99	19.80	20.50
		36	39	19.92	19.96	19.98	20.50
		75	0	19.88	19.76	19.93	20.50
	64QAM	1	0	19.75	19.83	19.96	20.50
		1	38	19.88	19.74	20.00	20.50
		1	74	19.83	20.02	20.08	20.50
		36	0	19.62	19.87	19.87	20.50
		36	18	19.75	20.04	19.88	20.50
		36	39	19.81	19.88	19.98	20.50
		75	0	19.94	19.90	19.96	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	19.56	19.65	19.99	20.50
		1	50	19.79	19.71	19.91	20.50
		1	99	19.76	19.92	19.89	20.50
		50	0	19.69	19.84	19.94	20.50
		50	25	19.87	19.81	19.99	20.50
		50	50	19.91	20.00	19.94	20.50
		100	0	19.84	19.88	19.88	20.50
	16QAM	1	0	19.70	19.77	20.05	20.50
		1	50	20.46	20.04	20.02	20.50



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		1	99	20.13	20.14	20.20	20.50
		50	0	19.72	19.86	19.87	20.50
		50	25	19.84	19.89	19.87	20.50
		50	50	19.89	20.01	20.05	20.50
		100	0	19.88	19.85	19.96	20.50
	64QAM	1	0	19.81	19.75	19.91	20.50
		1	50	19.83	19.74	20.07	20.50
		1	99	19.82	19.96	20.07	20.50
		50	0	19.61	19.84	19.96	20.50
		50	25	19.82	19.99	19.97	20.50
		50	50	19.87	19.97	20.03	20.50
		100	0	19.89	19.94	19.90	20.50

LTE Band 7 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.32	22.46	22.82	23.00
		1	13	22.21	22.48	22.41	23.00
		1	24	22.38	22.65	22.22	23.00
		12	0	22.39	22.68	22.55	23.00
		12	6	22.49	22.50	22.53	23.00
		12	13	22.53	22.59	22.49	23.00
		25	0	22.52	22.60	22.60	23.00
	16QAM	1	0	22.89	22.62	22.82	23.00
		1	13	22.35	22.79	22.71	23.00
		1	24	22.52	22.82	22.86	23.00
		12	0	22.40	22.20	22.46	23.00
		12	6	22.57	22.60	22.15	23.00
		12	13	22.40	22.54	22.61	23.00
		25	0	22.67	22.63	22.64	23.00
	64QAM	1	0	22.40	22.45	22.54	23.00
		1	13	22.29	22.70	22.32	23.00
		1	24	22.42	22.20	22.41	23.00
		12	0	21.52	21.45	21.59	22.00
		12	6	21.42	21.64	21.56	22.00
		12	13	21.43	21.22	21.54	22.00
		25	0	20.51	20.39	20.53	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	



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10MHz	QPSK	1	0	22.36	22.31	22.72	23.00
		1	25	22.41	22.44	22.31	23.00
		1	49	22.33	22.69	22.19	23.00
		25	0	22.55	22.68	22.57	23.00
		25	13	22.57	22.51	22.49	23.00
		25	25	22.43	22.43	22.54	23.00
		50	0	22.52	22.49	22.67	23.00
	16QAM	1	0	22.70	22.57	22.66	23.00
		1	25	22.42	22.80	22.61	23.00
		1	49	22.51	22.88	22.86	23.00
		25	0	22.34	22.22	22.60	23.00
		25	13	22.52	22.58	22.12	23.00
		25	25	22.41	22.53	22.50	23.00
		50	0	22.50	22.57	22.58	23.00
	64QAM	1	0	22.52	22.43	22.41	23.00
		1	25	22.36	22.62	22.22	23.00
		1	49	22.51	22.13	22.36	23.00
		25	0	21.49	21.63	21.58	22.00
		25	13	21.45	21.66	21.57	22.00
		25	25	21.43	21.37	21.59	22.00
		50	0	20.60	20.27	20.54	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.39	22.33	22.71	23.00
		1	38	22.21	22.56	22.31	23.00
		1	74	22.30	22.83	22.13	23.00
		36	0	22.44	22.61	22.48	23.00
		36	18	22.48	22.56	22.52	23.00
		36	39	22.40	22.39	22.52	23.00
		75	0	22.38	22.53	22.53	23.00
	16QAM	1	0	22.78	22.56	22.82	23.00
		1	38	22.48	22.67	22.70	23.00
		1	74	22.38	22.75	22.93	23.00
		36	0	22.38	22.09	22.44	23.00
		36	18	22.51	22.55	22.25	23.00
		36	39	22.57	22.50	22.50	23.00
		75	0	22.51	22.71	22.66	23.00
	64QAM	1	0	22.47	22.38	22.53	23.00
		1	38	22.30	22.66	22.26	23.00
		1	74	22.37	22.11	22.42	23.00



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		36	0	21.50	21.60	21.53	22.00
		36	18	21.49	21.62	21.64	22.00
		36	39	21.39	21.27	21.43	22.00
		75	0	20.59	20.23	20.54	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.35	22.39	22.73	23.00
		1	50	22.31	22.47	22.41	23.00
		1	99	22.32	22.74	22.22	23.00
		50	0	22.49	22.58	22.57	23.00
		50	25	22.50	22.54	22.50	23.00
		50	50	22.47	22.49	22.51	23.00
		100	0	22.46	22.58	22.60	23.00
	16QAM	1	0	22.80	22.55	22.72	23.00
		1	50	22.40	22.71	22.63	23.00
		1	99	22.46	22.81	22.88	23.00
		50	0	22.41	22.17	22.51	23.00
		50	25	22.52	22.53	22.18	23.00
		50	50	22.49	22.60	22.53	23.00
		100	0	22.58	22.62	22.59	23.00
	64QAM	1	0	22.44	22.48	22.46	23.00
		1	50	22.37	22.69	22.30	23.00
		1	99	22.46	22.18	22.34	23.00
		50	0	21.56	21.55	21.51	22.00
		50	25	21.52	21.66	21.62	22.00
		50	50	21.48	21.31	21.51	22.00
		100	0	20.53	20.29	20.56	22.00

LTE Band 7 state5/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	24.72	24.41	24.49	25.00
		1	13	24.40	24.50	24.48	25.00
		1	24	24.45	24.67	24.43	25.00
		12	0	23.80	23.83	23.53	24.00
		12	6	23.75	23.80	23.77	24.00
		12	13	23.75	23.59	23.61	24.00
		25	0	23.77	23.56	23.77	24.00
	16QAM	1	0	23.92	23.71	22.86	24.00



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		1	13	23.81	23.42	23.88	24.00
		1	24	23.76	23.77	23.77	24.00
		12	0	22.62	22.71	22.66	23.00
		12	6	22.52	22.68	22.60	23.00
		12	13	22.58	22.75	22.59	23.00
		25	0	22.68	22.71	22.67	23.00
	64QAM	1	0	22.59	22.60	22.70	23.00
		1	13	22.64	22.53	22.47	23.00
		1	24	22.85	22.84	22.81	23.00
		12	0	21.54	21.44	21.47	22.00
		12	6	21.62	21.53	21.59	22.00
		12	13	21.41	21.41	21.31	22.00
		25	0	21.52	21.54	21.54	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
		1	0	24.56	24.39	24.50	25.00
		1	25	24.43	24.55	24.43	25.00
		1	49	24.28	24.59	24.38	25.00
		25	0	23.77	23.71	23.52	24.00
		25	13	23.68	23.76	23.69	24.00
		25	25	23.74	23.64	23.62	24.00
		50	0	23.79	23.63	23.73	24.00
	QPSK	1	0	23.79	23.76	22.89	24.00
		1	25	23.73	23.45	23.76	24.00
		1	49	23.63	23.76	23.83	24.00
		25	0	22.64	22.66	22.75	23.00
		25	13	22.52	22.77	22.59	23.00
		25	25	22.68	22.70	22.56	23.00
		50	0	22.55	22.78	22.63	23.00
	16QAM	1	0	22.72	22.66	22.55	23.00
		1	25	22.73	22.64	22.60	23.00
		1	49	22.96	22.86	22.82	23.00
		25	0	21.53	21.38	21.48	22.00
		25	13	21.52	21.56	21.62	22.00
		25	25	21.33	21.43	21.40	22.00
		50	0	21.49	21.54	21.51	22.00
	64QAM	1	0	22.72	22.66	22.55	23.00
		1	25	22.73	22.64	22.60	23.00
		1	49	22.96	22.86	22.82	23.00
		25	0	21.53	21.38	21.48	22.00
		25	13	21.52	21.56	21.62	22.00
		25	25	21.33	21.43	21.40	22.00
		50	0	21.49	21.54	21.51	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
		1	0	24.72	24.55	24.35	25.00
		1	38	24.47	24.46	24.31	25.00
	QPSK						



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		1	74	24.33	24.42	24.45	25.00
		36	0	23.70	23.73	23.60	24.00
		36	18	23.72	23.66	23.72	24.00
		36	39	23.61	23.67	23.58	24.00
		75	0	23.68	23.71	23.78	24.00
	16QAM	1	0	23.78	23.76	22.86	24.00
		1	38	23.68	23.41	23.83	24.00
		1	74	23.65	23.92	23.82	24.00
		36	0	22.60	22.78	22.80	23.00
		36	18	22.54	22.80	22.67	23.00
		36	39	22.52	22.67	22.54	23.00
		75	0	22.72	22.61	22.61	23.00
	64QAM	1	0	22.77	22.64	22.66	23.00
		1	38	22.57	22.57	22.61	23.00
		1	74	22.80	22.80	22.88	23.00
		36	0	21.56	21.42	21.52	22.00
		36	18	21.54	21.46	21.63	22.00
		36	39	21.40	21.51	21.42	22.00
		75	0	21.46	21.40	21.55	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	24.66	24.49	24.44	25.00
		1	50	24.47	24.54	24.39	25.00
		1	99	24.37	24.75	24.37	25.00
		50	0	23.75	23.77	23.58	24.00
		50	25	23.70	23.73	23.68	24.00
		50	50	23.65	23.63	23.64	24.00
		100	0	23.69	23.63	23.69	24.00
	16QAM	1	0	23.83	23.80	22.94	24.00
		1	50	23.76	23.48	23.78	24.00
		1	99	23.72	23.82	23.73	24.00
		50	0	22.57	22.68	22.74	23.00
		50	25	22.59	22.71	22.69	23.00
		50	50	22.58	22.68	22.61	23.00
		100	0	22.65	22.70	22.67	23.00
	64QAM	1	0	22.67	22.57	22.63	23.00
		1	50	22.63	22.63	22.56	23.00
		1	99	22.87	22.80	22.81	23.00
		50	0	21.50	21.48	21.43	22.00
		50	25	21.60	21.53	21.61	22.00



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	50	50	21.41	21.41	21.32	22.00
	100	0	21.43	21.45	21.46	22.00

LTE Band 7 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	20.38	20.65	20.48	21.00
		1	13	20.51	20.68	20.82	21.00
		1	24	20.28	20.88	20.56	21.00
		12	0	20.68	20.62	20.45	21.00
		12	6	20.64	20.48	20.51	21.00
		12	13	20.63	20.53	20.61	21.00
		25	0	20.64	20.62	20.56	21.00
	16QAM	1	0	20.87	20.87	20.74	21.00
		1	13	20.73	20.81	20.83	21.00
		1	24	20.76	20.80	20.53	21.00
		12	0	20.59	20.51	20.65	21.00
		12	6	20.68	20.72	20.66	21.00
		12	13	20.62	20.68	20.64	21.00
		25	0	20.53	20.61	20.57	21.00
	64QAM	1	0	20.52	20.40	20.55	21.00
		1	13	20.52	20.81	20.67	21.00
		1	24	20.73	20.81	20.78	21.00
		12	0	20.41	20.43	20.59	21.00
		12	6	20.68	20.58	20.67	21.00
		12	13	20.48	20.54	20.57	21.00
		25	0	20.57	20.68	20.74	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	20.40	20.59	20.33	21.00
		1	25	20.55	20.83	20.84	21.00
		1	49	20.34	20.75	20.64	21.00
		25	0	20.52	20.60	20.57	21.00
		25	13	20.53	20.51	20.69	21.00
		25	25	20.60	20.43	20.54	21.00
		50	0	20.57	20.52	20.45	21.00
	16QAM	1	0	20.82	20.89	20.66	21.00
		1	25	20.87	20.87	20.97	21.00
		1	49	20.80	20.70	20.56	21.00



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		25	0	20.58	20.66	20.63	21.00
		25	13	20.62	20.69	20.66	21.00
		25	25	20.49	20.66	20.62	21.00
		50	0	20.51	20.62	20.65	21.00
	64QAM	1	0	20.54	20.41	20.53	21.00
		1	25	20.39	20.67	20.75	21.00
		1	49	20.65	20.70	20.66	21.00
		25	0	20.46	20.46	20.56	21.00
		25	13	20.64	20.47	20.69	21.00
		25	25	20.57	20.63	20.44	21.00
		50	0	20.52	20.68	20.73	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	20.38	20.54	20.45	21.00
		1	38	20.64	20.74	20.84	21.00
		1	74	20.26	20.79	20.51	21.00
		36	0	20.63	20.52	20.59	21.00
		36	18	20.52	20.51	20.61	21.00
		36	39	20.64	20.49	20.65	21.00
		75	0	20.47	20.61	20.60	21.00
	16QAM	1	0	20.80	20.88	20.59	21.00
		1	38	20.87	20.79	20.84	21.00
		1	74	20.70	20.77	20.54	21.00
		36	0	20.65	20.51	20.59	21.00
		36	18	20.73	20.57	20.57	21.00
		36	39	20.64	20.51	20.64	21.00
		75	0	20.64	20.45	20.65	21.00
	64QAM	1	0	20.36	20.57	20.48	21.00
		1	38	20.42	20.67	20.72	21.00
		1	74	20.71	20.83	20.64	21.00
		36	0	20.40	20.61	20.57	21.00
		36	18	20.70	20.64	20.56	21.00
		36	39	20.48	20.53	20.59	21.00
		75	0	20.52	20.60	20.56	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	20.47	20.59	20.39	21.00
		1	50	20.59	20.78	20.78	21.00
		1	99	20.36	20.79	20.61	21.00
		50	0	20.59	20.61	20.51	21.00



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		50	25	20.60	20.54	20.59	21.00
		50	50	20.59	20.52	20.57	21.00
		100	0	20.56	20.61	20.54	21.00
	16QAM	1	0	20.85	20.79	20.69	21.00
		1	50	20.80	20.81	20.89	21.00
		1	99	20.70	20.70	20.59	21.00
		50	0	20.62	20.61	20.62	21.00
		50	25	20.63	20.65	20.57	21.00
		50	50	20.58	20.61	20.58	21.00
		100	0	20.61	20.54	20.65	21.00
	64QAM	1	0	20.44	20.49	20.54	21.00
		1	50	20.47	20.72	20.67	21.00
		1	99	20.66	20.79	20.71	21.00
		50	0	20.37	20.52	20.60	21.00
		50	25	20.62	20.57	20.65	21.00
		50	50	20.55	20.58	20.54	21.00
		100	0	20.58	20.61	20.64	21.00

LTE Band 38 state3/5/10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	24.43	24.40	24.46	25.00
		1	13	24.53	24.58	24.31	25.00
		1	24	24.47	24.40	24.19	25.00
		12	0	23.80	23.60	23.53	24.00
		12	6	23.66	23.48	23.39	24.00
		12	13	23.65	23.53	23.47	24.00
		25	0	23.73	23.43	23.47	24.00
	16QAM	1	0	23.51	23.59	23.36	24.00
		1	13	23.37	23.50	23.23	24.00
		1	24	23.39	23.33	23.24	24.00
		12	0	22.65	22.56	22.63	23.00
		12	6	22.65	22.39	22.60	23.00
		12	13	22.71	22.57	22.49	23.00
		25	0	22.66	22.51	22.55	23.00
	64QAM	1	0	22.50	22.28	22.51	23.00
		1	13	22.35	22.53	22.32	23.00
		1	24	22.34	22.41	22.18	23.00



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		12	0	21.61	21.56	21.44	22.00
		12	6	21.53	21.61	21.47	22.00
		12	13	21.72	21.46	21.54	22.00
		25	0	21.72	21.36	21.48	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	24.43	24.48	24.55	25.00
		1	25	24.54	24.50	24.30	25.00
		1	49	24.36	24.27	24.30	25.00
		25	0	23.60	23.54	23.43	24.00
		25	13	23.62	23.42	23.50	24.00
		25	25	23.74	23.54	23.59	24.00
		50	0	23.60	23.54	23.56	24.00
	16QAM	1	0	23.54	23.49	23.46	24.00
		1	25	23.45	23.48	23.31	24.00
		1	49	23.42	23.33	23.35	24.00
		25	0	22.80	22.61	22.62	23.00
		25	13	22.65	22.55	22.54	23.00
		25	25	22.65	22.49	22.55	23.00
		50	0	22.65	22.54	22.61	23.00
	64QAM	1	0	22.44	22.29	22.41	23.00
		1	25	22.52	22.61	22.29	23.00
		1	49	22.28	22.47	22.20	23.00
		25	0	21.79	21.57	21.54	22.00
		25	13	21.61	21.43	21.40	22.00
		25	25	21.58	21.59	21.55	22.00
		50	0	21.72	21.38	21.61	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	24.40	24.44	24.39	25.00
		1	38	24.41	24.45	24.28	25.00
		1	74	24.34	24.27	24.28	25.00
		36	0	23.67	23.64	23.53	24.00
		36	18	23.74	23.47	23.39	24.00
		36	39	23.73	23.48	23.60	24.00
		75	0	23.74	23.57	23.62	24.00
	16QAM	1	0	23.52	23.52	23.33	24.00
		1	38	23.49	23.49	23.36	24.00
		1	74	23.46	23.42	23.21	24.00
		36	0	22.64	22.62	22.57	23.00
		36	18	22.77	22.40	22.60	23.00
		36	39	22.63	22.58	22.49	23.00



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		75	0	22.62	22.56	22.48	23.00
	64QAM	1	0	22.44	22.28	22.35	23.00
		1	38	22.35	22.50	22.44	23.00
		1	74	22.36	22.37	22.25	23.00
		36	0	21.61	21.50	21.44	22.00
		36	18	21.56	21.59	21.60	22.00
		36	39	21.57	21.43	21.64	22.00
		75	0	21.68	21.54	21.46	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	24.50	24.47	24.46	25.00
		1	50	24.56	24.50	24.37	25.00
		1	99	24.39	24.36	24.26	25.00
		50	0	23.70	23.57	23.49	24.00
		50	25	23.69	23.49	23.44	24.00
		50	50	23.65	23.45	23.52	24.00
		100	0	23.67	23.47	23.55	24.00
	16QAM	1	0	23.49	23.53	23.42	24.00
		1	50	23.41	23.49	23.30	24.00
		1	99	23.46	23.41	23.31	24.00
		50	0	22.70	22.62	22.56	23.00
		50	25	22.68	22.48	22.53	23.00
		50	50	22.64	22.53	22.49	23.00
		100	0	22.60	22.53	22.53	23.00
	64QAM	1	0	22.44	22.33	22.42	23.00
		1	50	22.42	22.55	22.35	23.00
		1	99	22.38	22.40	22.24	23.00
		50	0	21.69	21.53	21.53	22.00
		50	25	21.62	21.51	21.50	22.00
		50	50	21.66	21.50	21.56	22.00
		100	0	21.71	21.46	21.54	22.00

LTE Band 38 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.03	23.02	22.97	23.50
		1	13	23.15	23.18	22.91	23.50
		1	24	23.02	22.97	22.90	23.50
		12	0	23.35	23.23	23.28	23.50
		12	6	23.26	23.31	23.14	23.50



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		12	13	23.31	23.15	23.10	23.50
		25	0	23.29	23.20	23.16	23.50
	16QAM	1	0	23.26	22.81	23.14	23.50
		1	13	23.08	22.97	23.15	23.50
		1	24	22.99	22.43	22.80	23.50
		12	0	22.64	22.61	22.34	23.00
		12	6	22.64	22.53	22.44	23.00
		12	13	22.59	22.37	22.51	23.00
		25	0	22.46	22.53	22.44	23.00
	64QAM	1	0	22.06	21.78	22.09	23.00
		1	13	22.23	21.76	22.12	23.00
		1	24	22.02	22.08	22.01	23.00
		12	0	21.72	21.59	21.66	22.00
		12	6	21.75	21.53	21.46	22.00
		12	13	21.75	21.53	21.52	22.00
		25	0	21.68	21.66	21.48	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.16	23.00	23.03	23.50
		1	25	23.13	23.23	22.91	23.50
		1	49	23.04	22.91	22.97	23.50
		25	0	23.25	23.19	23.17	23.50
		25	13	23.26	23.29	23.17	23.50
		25	25	23.27	23.18	23.09	23.50
		50	0	23.39	23.26	23.11	23.50
	16QAM	1	0	23.19	22.83	23.10	23.50
		1	25	22.98	22.88	23.11	23.50
		1	49	22.94	22.43	22.95	23.50
		25	0	22.56	22.56	22.29	23.00
		25	13	22.61	22.46	22.62	23.00
		25	25	22.58	22.46	22.41	23.00
		50	0	22.49	22.41	22.55	23.00
	64QAM	1	0	21.95	21.82	22.14	23.00
		1	25	22.20	21.81	22.06	23.00
		1	49	22.04	22.06	21.89	23.00
		25	0	21.81	21.41	21.59	22.00
		25	13	21.75	21.62	21.50	22.00
		25	25	21.68	21.56	21.59	22.00
		50	0	21.70	21.64	21.45	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	23.06	23.13	23.13	23.50



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		1	38	23.14	23.06	23.05	23.50
		1	74	23.00	22.93	22.86	23.50
		36	0	23.27	23.29	23.15	23.50
		36	18	23.36	23.25	23.15	23.50
		36	39	23.30	23.41	23.18	23.50
		75	0	23.40	23.13	23.28	23.50
	16QAM	1	0	23.19	22.84	23.09	23.50
		1	38	23.03	22.91	23.08	23.50
		1	74	22.89	22.58	22.77	23.50
		36	0	22.62	22.46	22.38	23.00
		36	18	22.56	22.56	22.48	23.00
		36	39	22.61	22.45	22.43	23.00
		75	0	22.59	22.56	22.51	23.00
	64QAM	1	0	21.97	21.90	22.07	23.00
		1	38	22.27	21.77	22.12	23.00
		1	74	21.95	22.07	21.92	23.00
		36	0	21.77	21.49	21.54	22.00
		36	18	21.63	21.48	21.46	22.00
		36	39	21.70	21.42	21.49	22.00
		75	0	21.60	21.64	21.43	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	23.12	23.10	23.05	23.50
		1	50	23.11	23.16	22.98	23.50
		1	99	23.05	23.01	22.88	23.50
		50	0	23.32	23.20	23.21	23.50
		50	25	23.30	23.21	23.20	23.50
		50	50	23.25	23.16	23.18	23.50
		100	0	23.31	23.22	23.20	23.50
	16QAM	1	0	23.22	22.87	23.04	23.50
		1	50	23.07	22.93	23.05	23.50
		1	99	22.94	22.52	22.87	23.50
		50	0	22.56	22.51	22.38	23.00
		50	25	22.61	22.46	22.54	23.00
		50	50	22.59	22.42	22.48	23.00
		100	0	22.55	22.48	22.45	23.00
	64QAM	1	0	21.96	21.85	22.07	23.00
		1	50	22.20	21.77	22.11	23.00
		1	99	22.01	22.08	21.98	23.00
		50	0	21.78	21.51	21.64	22.00
		50	25	21.71	21.53	21.54	22.00
		50	50	21.67	21.50	21.49	22.00



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		100	0	21.67	21.56	21.46	22.00
--	--	-----	---	-------	-------	-------	-------

LTE Band 41 2496 - 2690 PC2 state3/5/8/10				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	24.9	24.92	24.83	25.09	24.75	26.30
		1	13	24.92	25.13	25.05	25.08	25.06	26.30
		1	24	24.85	25.02	25.09	24.97	25.03	26.30
		12	0	24.47	24.61	24.53	24.51	24.69	25.30
		12	6	24.5	24.64	24.72	24.65	24.71	25.30
		12	13	24.73	24.67	24.73	24.42	24.55	25.30
		25	0	24.55	24.63	24.73	24.33	24.58	25.30
	16QAM	1	0	24.28	24.45	24.95	24.62	24.5	25.30
		1	13	24.51	24.61	24.55	24.67	24.66	25.30
		1	24	24.29	24.42	24.61	24.51	24.43	25.30
		12	0	23.77	23.74	23.58	23.59	23.79	24.30
		12	6	23.77	23.53	23.85	23.5	23.68	24.30
		12	13	23.67	23.5	23.84	23.59	23.31	24.30
		25	0	23.51	23.72	23.59	23.31	23.49	24.30
	64QAM	1	0	23.64	23.47	24.01	23.18	23.40	24.30
		1	13	23.63	23.56	23.70	23.44	23.61	24.30
		1	24	23.42	23.47	23.80	23.50	23.44	24.30
		12	0	22.50	22.46	22.34	22.50	22.67	23.30
		12	6	22.63	22.66	22.64	22.62	22.53	23.30
		12	13	22.47	22.64	22.69	22.43	22.74	23.30
		25	0	22.75	22.68	22.58	22.44	22.71	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	24.91	24.84	25.08	25.18	24.84	26.30
		1	25	25.07	25.03	25.2	25.06	25.18	26.30
		1	49	25.06	24.77	24.96	24.99	24.95	26.30
		25	0	24.55	24.53	24.68	24.35	24.84	25.30
		25	13	24.52	24.6	24.75	24.37	24.55	25.30
		25	25	24.68	24.62	24.71	24.55	24.52	25.30
		50	0	24.61	24.75	24.7	24.47	24.52	25.30
	16QAM	1	0	24.56	24.51	24.89	24.47	24.28	25.30
		1	25	24.65	24.62	24.64	24.59	24.62	25.30
		1	49	24.21	24.39	24.7	24.6	24.43	25.30
		25	0	23.58	23.62	23.66	23.56	23.85	24.30
		25	13	23.76	23.69	23.87	23.56	23.68	24.30



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		25	25	23.55	23.41	23.75	23.38	23.56	24.30
		50	0	23.62	23.61	23.73	23.59	23.35	24.30
	64QAM	1	0	23.39	23.60	23.92	23.39	23.66	24.30
		1	25	23.39	23.54	23.70	23.51	23.39	24.30
		1	49	23.39	23.26	23.56	23.25	23.35	24.30
		25	0	22.77	22.69	22.38	22.43	22.59	23.30
		25	13	22.72	22.73	22.67	22.63	22.76	23.30
		25	25	22.40	22.45	22.69	22.47	22.69	23.30
		50	0	22.74	22.57	22.63	22.51	22.77	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	24.69	24.88	24.9	25.01	24.74	26.30
		1	38	24.87	25.09	25.05	24.9	25.13	26.30
		1	74	25.01	24.89	25.07	24.99	24.96	26.30
		36	0	24.64	24.51	24.68	24.38	24.71	25.30
		36	18	24.68	24.62	24.83	24.45	24.59	25.30
		36	39	24.55	24.54	24.58	24.62	24.45	25.30
		75	0	24.46	24.65	24.81	24.33	24.54	25.30
	16QAM	1	0	24.29	24.32	24.87	24.63	24.3	25.30
		1	38	24.76	24.59	24.48	24.55	24.49	25.30
		1	74	24.22	24.35	24.68	24.72	24.4	25.30
		36	0	23.73	23.74	23.53	23.49	23.81	24.30
		36	18	23.72	23.59	23.82	23.63	23.56	24.30
		36	39	23.6	23.42	23.82	23.33	23.55	24.30
		75	0	23.43	23.52	23.7	23.33	23.47	24.30
	64QAM	1	0	23.59	23.58	23.72	23.31	23.52	24.30
		1	38	23.54	23.44	23.63	23.62	23.53	24.30
		1	74	23.43	23.37	23.65	23.43	23.46	24.30
		36	0	22.55	22.56	22.56	22.58	22.71	23.30
		36	18	22.60	22.76	22.55	22.57	22.73	23.30
		36	39	22.46	22.55	22.65	22.50	22.60	23.30
		75	0	22.53	22.64	22.43	22.42	22.78	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	24.92	24.93	25.08	25.14	24.93	26.30
		1	50	25.12	25.22	25.37	25.12	25.29	26.30
		1	99	25.09	25.02	25.19	25.08	25.09	26.30
		50	0	24.68	24.71	24.73	24.57	24.81	25.30
		50	25	24.72	24.74	24.8	24.6	24.76	25.30
		50	50	24.69	24.7	24.78	24.62	24.64	25.30
		100	0	24.65	24.73	24.78	24.57	24.7	25.30
	16QAM	1	0	24.51	24.5	25.03	24.63	24.52	25.30



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		1	50	24.71	24.66	24.65	24.71	24.71	25.30
		1	99	24.43	24.52	24.69	24.68	24.52	25.30
		50	0	23.75	23.73	23.78	23.66	23.8	24.30
		50	25	23.73	23.72	23.89	23.6	23.81	24.30
		50	50	23.63	23.62	23.81	23.57	23.55	24.30
		100	0	23.58	23.67	23.77	23.56	23.57	24.30
	64QAM	1	0	23.59	23.61	23.96	23.36	23.62	24.30
		1	50	23.62	23.67	23.82	23.57	23.60	24.30
		1	99	23.58	23.48	23.79	23.50	23.43	24.30
		50	0	22.75	22.69	22.53	22.55	22.76	23.30
		50	25	22.67	22.75	22.63	22.60	22.76	23.30
		50	50	22.62	22.70	22.65	22.65	22.74	23.30
		100	0	22.77	22.74	22.63	22.56	22.80	23.30

LTE Band 41 2496 - 2690 PC3 state3/5/8/10				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	24.19	24.29	24.2	24.26	24.16	25.00
		1	13	24.17	24.16	24.31	24.4	24.18	25.00
		1	24	24.19	24.18	24.18	24.21	23.99	25.00
		12	0	23.12	23.28	23.45	23.21	22.96	24.00
		12	6	23.37	23.56	23.34	23.46	23.05	24.00
		12	13	23.31	23.51	23.41	23.56	23.15	24.00
		25	0	23.4	23.42	23.34	23.32	23.04	24.00
	16QAM	1	0	23.43	23.26	23.57	23.31	23.18	24.00
		1	13	23.36	23.32	23.45	23.44	23.21	24.00
		1	24	23.37	23.27	23.49	23.34	23	24.00
		12	0	22.35	22.4	22.25	22.39	21.94	23.00
		12	6	22.62	22.39	22.48	22.54	22.19	23.00
		12	13	22.32	22.44	22.43	22.46	22.04	23.00
		25	0	22.44	22.58	22.53	22.44	22.17	23.00
	64QAM	1	0	22.27	22.23	22.15	22.23	22.07	23.00
		1	13	22.34	22.26	22.47	22.37	22.02	23.00
		1	24	22.09	22.25	22.22	22.07	22.07	23.00
		12	0	21.35	21.29	21.35	21.25	21.21	22.00
		12	6	21.38	21.30	21.42	21.37	21.16	22.00
		12	13	21.50	21.49	21.50	21.45	21.25	22.00
		25	0	21.58	21.54	21.50	21.62	21.03	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	



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10MHz	QPSK	1	0	24.22	24.24	24.31	24.35	24.01	25.00
		1	25	24.42	24.18	24.4	24.37	24.07	25.00
		1	49	24.16	24.1	24.16	24.25	24.02	25.00
		25	0	23.26	23.11	23.5	23.12	23.08	24.00
		25	13	23.51	23.63	23.42	23.41	23.22	24.00
		25	25	23.44	23.48	23.32	23.42	23.23	24.00
		50	0	23.49	23.41	23.35	23.35	23.02	24.00
	16QAM	1	0	23.29	23.42	23.6	23.16	23.35	24.00
		1	25	23.42	23.46	23.49	23.27	23.2	24.00
		1	49	23.38	23.31	23.51	23.38	23.06	24.00
		25	0	22.35	22.32	22.31	22.42	22.05	23.00
		25	13	22.52	22.53	22.49	22.63	22.26	23.00
		25	25	22.43	22.4	22.38	22.35	22.19	23.00
		50	0	22.42	22.58	22.47	22.4	22.02	23.00
	64QAM	1	0	22.35	22.24	22.13	22.15	21.92	23.00
		1	25	22.18	22.24	22.39	22.42	21.99	23.00
		1	49	22.26	22.34	22.17	22.08	22.19	23.00
		25	0	21.38	21.32	21.43	21.21	21.21	22.00
		25	13	21.38	21.30	21.34	21.38	21.06	22.00
		25	25	21.51	21.34	21.49	21.46	21.25	22.00
		50	0	21.46	21.42	21.37	21.57	21.09	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	24.24	24.23	24.2	24.36	24.04	25.00
		1	38	24.21	24.15	24.21	24.22	24.13	25.00
		1	74	24.22	24.18	24.26	24.14	24.15	25.00
		36	0	23.32	23.24	23.53	23.12	23	24.00
		36	18	23.55	23.62	23.3	23.57	23.18	24.00
		36	39	23.43	23.55	23.47	23.56	23.28	24.00
		75	0	23.35	23.43	23.49	23.28	23.04	24.00
	16QAM	1	0	23.23	23.38	23.47	23.22	23.17	24.00
		1	38	23.41	23.42	23.59	23.43	23.17	24.00
		1	74	23.38	23.29	23.38	23.2	23.05	24.00
		36	0	22.38	22.38	22.34	22.3	21.99	23.00
		36	18	22.57	22.56	22.41	22.63	22.14	23.00
		36	39	22.29	22.53	22.43	22.46	22.15	23.00
		75	0	22.48	22.56	22.34	22.33	22.14	23.00
	64QAM	1	0	22.28	22.35	22.17	22.22	22.04	23.00
		1	38	22.25	22.16	22.37	22.22	21.92	23.00
		1	74	22.28	22.18	22.26	22.24	22.12	23.00
		36	0	21.30	21.28	21.45	21.31	21.17	22.00
		36	18	21.45	21.29	21.35	21.31	21.14	22.00



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		36	39	21.41	21.44	21.38	21.33	21.18	22.00
		75	0	21.50	21.51	21.51	21.64	21.10	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	24.29	24.3	24.29	24.26	24.09	25.00
		1	50	24.26	24.2	24.34	24.31	24.12	25.00
		1	99	24.24	24.16	24.21	24.24	24.05	25.00
		50	0	23.22	23.21	23.55	23.2	23.06	24.00
		50	25	23.45	23.54	23.4	23.48	23.15	24.00
		50	50	23.37	23.46	23.39	23.47	23.22	24.00
		100	0	23.4	23.37	23.43	23.3	23.06	24.00
	16QAM	1	0	23.33	23.35	23.57	23.24	23.26	24.00
		1	50	23.42	23.42	23.49	23.35	23.16	24.00
		1	99	23.36	23.35	23.44	23.3	23.09	24.00
		50	0	22.33	22.41	22.35	22.34	22.04	23.00
		50	25	22.53	22.47	22.46	22.54	22.18	23.00
		50	50	22.38	22.44	22.36	22.41	22.12	23.00
		100	0	22.46	22.51	22.43	22.37	22.12	23.00
	64QAM	1	0	22.25	22.32	22.21	22.15	22.01	23.00
		1	50	22.24	22.25	22.43	22.32	21.97	23.00
		1	99	22.19	22.28	22.25	22.16	22.11	23.00
		50	0	21.33	21.26	21.35	21.28	21.13	22.00
		50	25	21.40	21.31	21.42	21.31	21.15	22.00
		50	50	21.45	21.44	21.43	21.42	21.19	22.00
		100	0	21.52	21.48	21.44	21.54	21.12	22.00



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5 Conducted Power of Main Antenna (Ant5)

5.1 Conducted Power of LTE

LTE Band 4 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.14	22.11	22.03	23.30
		1	2	22.16	22.17	22.20	23.30
		1	5	22.27	22.88	22.30	23.30
		3	0	22.04	22.11	22.02	23.30
		3	2	22.26	22.21	22.22	23.30
		3	3	22.19	22.79	22.31	23.30
		6	0	21.93	21.94	21.95	22.80
	16QAM	1	0	22.14	22.10	22.03	22.80
		1	2	22.01	22.24	22.08	22.80
		1	5	21.73	22.38	22.22	22.80
		3	0	22.03	21.98	22.02	22.80
		3	2	22.24	22.17	21.94	22.80
		3	3	22.05	22.17	22.06	22.80
		6	0	20.82	20.91	20.94	21.80
	64QAM	1	0	21.14	21.48	21.16	21.80
		1	2	21.58	21.44	21.65	21.80
		1	5	21.61	21.53	21.42	21.80
		3	0	21.14	21.39	21.26	21.80
		3	2	21.63	21.45	21.64	21.80
		3	3	21.60	21.52	21.52	21.80
		6	0	20.53	20.49	20.45	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.16	22.02	22.06	23.30
		1	7	22.22	22.19	22.10	23.30
		1	14	22.27	22.96	22.27	23.30
		8	0	21.74	21.87	21.81	22.80
		8	4	21.84	21.81	21.91	22.80
		8	7	21.94	21.85	22.07	22.80
		15	0	21.85	21.89	22.00	22.80
	16QAM	1	0	22.29	22.14	22.09	22.80
		1	7	22.13	22.22	21.97	22.80
		1	14	21.72	22.53	22.19	22.80
		8	0	20.47	20.89	20.93	21.80
		8	4	21.07	20.91	21.00	21.80



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	64QAM	8	7	20.84	21.04	20.95	21.80
		15	0	20.87	20.93	20.91	21.80
		1	0	21.19	21.52	21.31	21.80
		1	7	21.51	21.43	21.58	21.80
		1	14	21.45	21.46	21.47	21.80
		8	0	20.29	20.35	20.35	20.80
		8	4	20.37	20.36	20.41	20.80
		8	7	20.43	20.53	20.45	20.80
		15	0	20.46	20.50	20.38	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.17	22.12	22.06	23.30
		1	13	22.14	22.33	22.15	23.30
		1	24	22.38	22.97	22.17	23.30
		12	0	21.90	21.88	21.89	22.80
		12	6	22.02	21.93	21.86	22.80
		12	13	21.88	22.05	22.04	22.80
		25	0	22.02	21.86	21.90	22.80
	16QAM	1	0	22.24	21.97	22.05	22.80
		1	13	22.07	22.18	22.01	22.80
		1	24	21.67	22.46	22.33	22.80
		12	0	20.62	20.96	20.94	21.80
		12	6	21.03	20.89	20.85	21.80
		12	13	21.01	21.04	21.00	21.80
		25	0	20.84	20.87	20.89	21.80
	64QAM	1	0	21.31	21.57	21.23	21.80
		1	13	21.44	21.35	21.63	21.80
		1	24	21.64	21.54	21.33	21.80
		12	0	20.23	20.30	20.32	20.80
		12	6	20.41	20.44	20.36	20.80
		12	13	20.35	20.46	20.54	20.80
		25	0	20.49	20.42	20.30	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.17	22.17	22.19	23.30
		1	25	22.16	22.26	22.25	23.30
		1	49	22.40	22.84	22.16	23.30
		25	0	21.82	21.80	21.88	22.80
		25	13	22.04	21.84	21.91	22.80
		25	25	21.89	22.04	21.91	22.80
		50	0	21.98	22.05	21.89	22.80



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		1	0	22.20	22.07	21.99	22.80
		1	25	22.01	22.13	22.09	22.80
		1	49	21.61	22.51	22.28	22.80
	16QAM	25	0	20.51	20.89	20.85	21.80
		25	13	20.95	20.99	21.01	21.80
		25	25	20.93	21.15	20.89	21.80
		50	0	20.89	21.02	20.96	21.80
		1	0	21.18	21.54	21.24	21.80
		1	25	21.58	21.44	21.63	21.80
		1	49	21.60	21.45	21.30	21.80
	64QAM	25	0	20.39	20.29	20.35	20.80
		25	13	20.40	20.40	20.35	20.80
		25	25	20.51	20.56	20.57	20.80
		50	0	20.53	20.36	20.39	20.80
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
		1	0	22.12	22.21	22.19	23.30
		1	38	22.26	22.34	22.12	23.30
		1	74	22.41	22.85	22.22	23.30
	QPSK	36	0	21.79	21.78	21.96	22.80
		36	18	22.03	21.96	21.93	22.80
		36	39	21.87	21.99	22.07	22.80
		75	0	21.92	22.03	21.97	22.80
		1	0	22.28	22.06	22.04	22.80
		1	38	22.14	22.24	21.97	22.80
		1	74	21.60	22.40	22.19	22.80
	16QAM	36	0	20.48	20.89	20.91	21.80
		36	18	20.99	21.01	20.97	21.80
		36	39	21.04	21.17	20.97	21.80
		75	0	20.87	20.91	20.92	21.80
		1	0	21.17	21.50	21.14	21.80
		1	38	21.43	21.42	21.69	21.80
		1	74	21.54	21.47	21.42	21.80
	64QAM	36	0	20.26	20.43	20.31	20.80
		36	18	20.37	20.54	20.27	20.80
		36	39	20.45	20.61	20.60	20.80
		75	0	20.52	20.32	20.50	20.80
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
		1	0	22.14	22.12	22.09	23.30
	QPSK	1	50	22.24	22.24	22.19	23.30



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		1	99	22.37	22.91	22.25	23.30
		50	0	21.83	21.87	21.88	22.80
		50	25	21.94	21.91	21.87	22.80
		50	50	21.97	21.95	21.99	22.80
		100	0	21.95	21.95	21.94	22.80
	16QAM	1	0	22.24	22.07	22.00	22.80
		1	50	22.09	22.23	22.02	22.80
		1	99	21.70	22.44	22.26	22.80
		50	0	20.57	20.89	20.93	21.80
		50	25	20.99	20.97	20.91	21.80
		50	50	20.94	21.12	20.96	21.80
		100	0	20.91	20.93	20.91	21.80
	64QAM	1	0	21.24	21.49	21.22	21.80
		1	50	21.51	21.38	21.64	21.80
		1	99	21.55	21.51	21.40	21.80
		50	0	20.30	20.33	20.40	20.80
		50	25	20.46	20.46	20.37	20.80
		50	50	20.44	20.53	20.50	20.80
		100	0	20.47	20.41	20.40	20.80

LTE Band 4 state5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.00	21.66	21.81	22.80
		1	2	21.91	22.04	21.84	22.80
		1	5	21.94	21.86	21.99	22.80
		3	0	21.87	21.92	21.97	22.80
		3	2	21.94	22.04	21.80	22.80
		3	3	21.98	22.04	21.94	22.80
		6	0	21.98	21.81	21.87	22.80
	16QAM	1	0	21.72	22.05	22.10	22.80
		1	2	22.25	22.39	21.96	22.80
		1	5	22.11	22.30	22.16	22.80
		3	0	21.62	22.00	22.00	22.80
		3	2	22.35	22.30	21.99	22.80
		3	3	22.21	22.23	22.23	22.80
		6	0	21.03	20.97	20.83	21.80
	64QAM	1	0	21.24	21.55	21.36	21.80
		1	2	21.56	21.30	21.80	21.80



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		1	5	21.60	21.48	21.40	21.80
		3	0	21.17	21.54	21.41	21.80
		3	2	21.63	21.36	21.66	21.80
		3	3	21.55	21.43	21.37	21.80
		6	0	20.42	20.28	20.35	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.02	21.77	21.75	22.80
		1	7	21.86	22.00	21.81	22.80
		1	14	22.01	21.83	22.13	22.80
		8	0	21.84	21.93	21.91	22.80
		8	4	22.01	22.00	21.92	22.80
		8	7	22.03	21.95	21.85	22.80
		15	0	21.95	21.96	21.88	22.80
	16QAM	1	0	21.83	21.98	22.18	22.80
		1	7	22.16	22.32	22.02	22.80
		1	14	22.22	22.22	22.10	22.80
		8	0	20.73	20.92	20.78	21.80
		8	4	20.91	21.00	20.86	21.80
		8	7	21.00	21.05	20.99	21.80
		15	0	20.97	20.82	20.93	21.80
	64QAM	1	0	21.41	21.63	21.33	21.80
		1	7	21.55	21.34	21.75	21.80
		1	14	21.65	21.67	21.36	21.80
		8	0	20.27	20.47	20.39	20.80
		8	4	20.44	20.40	20.50	20.80
		8	7	20.34	20.60	20.47	20.80
		15	0	20.36	20.38	20.26	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.82	21.82	21.66	22.80
		1	13	21.87	22.04	21.86	22.80
		1	24	21.87	21.95	22.07	22.80
		12	0	21.92	21.86	21.92	22.80
		12	6	21.91	22.02	21.79	22.80
		12	13	22.05	21.99	21.90	22.80
		25	0	21.88	21.91	21.95	22.80
	16QAM	1	0	21.86	22.03	22.24	22.80
		1	13	22.14	22.40	21.98	22.80
		1	24	22.24	22.22	22.09	22.80
		12	0	20.68	20.90	20.95	21.80



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		12	6	20.98	20.90	20.89	21.80
		12	13	20.99	20.96	21.05	21.80
		25	0	21.00	20.84	20.81	21.80
	64QAM	1	0	21.30	21.51	21.26	21.80
		1	13	21.71	21.24	21.69	21.80
		1	24	21.62	21.59	21.30	21.80
		12	0	20.13	20.40	20.47	20.80
		12	6	20.46	20.43	20.39	20.80
		12	13	20.38	20.54	20.44	20.80
		25	0	20.34	20.30	20.24	20.80
		25	0	20.34	20.30	20.24	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.92	21.73	21.68	22.80
		1	25	21.87	22.02	21.91	22.80
		1	49	21.87	21.84	22.15	22.80
		25	0	21.87	21.90	21.94	22.80
		25	13	22.06	22.05	21.85	22.80
		25	25	22.09	21.95	21.88	22.80
		50	0	22.01	21.96	21.83	22.80
		50	0	22.01	21.96	21.83	22.80
	16QAM	1	0	21.78	22.06	22.08	22.80
		1	25	22.21	22.29	22.00	22.80
		1	49	22.16	22.20	22.05	22.80
		25	0	20.74	20.89	20.89	21.80
		25	13	20.95	20.84	20.87	21.80
		25	25	20.91	21.09	21.08	21.80
		50	0	20.93	20.96	20.84	21.80
		50	0	20.93	20.96	20.84	21.80
	64QAM	1	0	21.41	21.66	21.31	21.80
		1	25	21.64	21.23	21.76	21.80
		1	49	21.61	21.67	21.44	21.80
		25	0	20.20	20.31	20.44	20.80
		25	13	20.42	20.48	20.36	20.80
		25	25	20.36	20.55	20.56	20.80
		50	0	20.40	20.36	20.34	20.80
		50	0	20.40	20.36	20.34	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.00	21.77	21.81	22.80
		1	38	21.90	22.10	21.84	22.80
		1	74	21.92	21.91	22.17	22.80
		36	0	21.93	22.01	21.93	22.80
		36	18	21.93	21.99	21.86	22.80
		36	39	22.02	21.97	21.88	22.80
		36	39	22.02	21.97	21.88	22.80



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		75	0	22.03	21.93	21.91	22.80
	16QAM	1	0	21.71	22.08	22.11	22.80
		1	38	22.10	22.24	21.99	22.80
		1	74	22.23	22.33	22.05	22.80
		36	0	20.69	20.91	20.78	21.80
		36	18	20.92	20.85	20.92	21.80
		36	39	20.91	20.96	21.10	21.80
		75	0	20.92	20.80	20.97	21.80
	64QAM	1	0	21.40	21.60	21.25	21.80
		1	38	21.68	21.35	21.65	21.80
		1	74	21.53	21.47	21.40	21.80
		36	0	20.28	20.39	20.31	20.80
		36	18	20.38	20.39	20.48	20.80
		36	39	20.36	20.57	20.59	20.80
		75	0	20.49	20.27	20.33	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	21.92	21.75	21.72	22.80
		1	50	21.94	22.01	21.86	22.80
		1	99	21.91	21.87	22.08	22.80
		50	0	21.84	21.93	21.91	22.80
		50	25	21.96	21.96	21.87	22.80
		50	50	22.01	22.03	21.91	22.80
		100	0	21.98	21.90	21.85	22.80
	16QAM	1	0	21.78	22.03	22.15	22.80
		1	50	22.18	22.30	22.01	22.80
		1	99	22.15	22.24	22.15	22.80
		50	0	20.76	20.87	20.87	21.80
		50	25	20.95	20.90	20.84	21.80
		50	50	20.96	20.99	21.05	21.80
		100	0	20.93	20.88	20.88	21.80
	64QAM	1	0	21.32	21.58	21.26	21.80
		1	50	21.61	21.32	21.71	21.80
		1	99	21.56	21.57	21.37	21.80
		50	0	20.20	20.39	20.40	20.80
		50	25	20.43	20.49	20.42	20.80
		50	50	20.42	20.58	20.49	20.80
		100	0	20.39	20.34	20.30	20.80

LTE Band 4 state8	Conducted Power(dBm)
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	20.22	20.30	20.41	21.30
		1	2	20.52	20.50	20.45	21.30
		1	5	20.30	20.61	20.30	21.30
		3	0	20.34	20.54	20.32	21.30
		3	2	20.44	20.42	20.33	21.30
		3	3	20.54	20.51	20.35	21.30
		6	0	20.36	20.31	20.43	21.30
	16QAM	1	0	20.64	20.34	20.69	21.30
		1	2	20.35	20.48	20.62	21.30
		1	5	20.76	20.68	20.54	21.30
		3	0	20.40	20.44	20.34	21.30
		3	2	20.38	20.08	20.18	21.30
		3	3	20.51	20.47	20.47	21.30
		6	0	20.47	20.40	20.37	21.30
	64QAM	1	0	20.76	20.87	20.83	21.30
		1	2	20.95	20.85	20.98	21.30
		1	5	20.98	21.03	20.89	21.30
		3	0	20.81	20.72	20.94	21.30
		3	2	20.93	20.93	20.78	21.30
		3	3	20.58	20.96	20.97	21.30
		6	0	20.28	20.44	20.50	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	20.26	20.21	20.43	21.30
		1	7	20.50	20.44	20.44	21.30
		1	14	20.38	20.74	20.31	21.30
		8	0	20.25	20.54	20.32	21.30
		8	4	20.50	20.59	20.29	21.30
		8	7	20.45	20.63	20.47	21.30
		15	0	20.52	20.46	20.34	21.30
	16QAM	1	0	20.62	20.17	20.61	21.30
		1	7	20.31	20.43	20.58	21.30
		1	14	20.64	20.76	20.45	21.30
		8	0	20.37	20.29	20.44	21.30
		8	4	20.46	20.05	20.28	21.30
		8	7	20.55	20.57	20.60	21.30
		15	0	20.53	20.25	20.34	21.30
	64QAM	1	0	20.80	20.99	20.71	21.30



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		1	7	21.01	20.78	20.98	21.30
		1	14	21.03	20.90	20.87	21.30
		8	0	20.45	20.23	20.37	20.80
		8	4	20.44	20.30	20.17	20.80
		8	7	20.21	20.55	20.54	20.80
		15	0	20.29	20.35	20.39	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	20.18	20.36	20.33	21.30
		1	13	20.44	20.61	20.45	21.30
		1	24	20.45	20.65	20.29	21.30
		12	0	20.31	20.51	20.19	21.30
		12	6	20.50	20.42	20.15	21.30
		12	13	20.42	20.54	20.54	21.30
		25	0	20.43	20.47	20.37	21.30
	16QAM	1	0	20.53	20.25	20.73	21.30
		1	13	20.26	20.43	20.59	21.30
		1	24	20.72	20.88	20.59	21.30
		12	0	20.42	20.30	20.42	21.30
		12	6	20.30	19.97	20.20	21.30
		12	13	20.52	20.54	20.60	21.30
		25	0	20.37	20.43	20.38	21.30
	64QAM	1	0	20.74	20.93	20.86	21.30
		1	13	20.92	20.86	21.08	21.30
		1	24	20.99	20.88	20.92	21.30
		12	0	20.43	20.20	20.32	20.80
		12	6	20.48	20.38	20.16	20.80
		12	13	20.23	20.59	20.47	20.80
		25	0	20.33	20.44	20.47	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	20.25	20.25	20.34	21.30
		1	25	20.54	20.45	20.32	21.30
		1	49	20.47	20.57	20.17	21.30
		25	0	20.26	20.49	20.26	21.30
		25	13	20.32	20.51	20.22	21.30
		25	25	20.40	20.56	20.55	21.30
		50	0	20.53	20.36	20.41	21.30
	16QAM	1	0	20.50	20.19	20.78	21.30
		1	25	20.17	20.51	20.50	21.30
		1	49	20.63	20.71	20.63	21.30



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		25	0	20.31	20.31	20.43	21.30
		25	13	20.33	19.99	20.20	21.30
		25	25	20.61	20.49	20.57	21.30
		50	0	20.48	20.27	20.32	21.30
	64QAM	1	0	20.66	20.99	20.72	21.30
		1	25	20.99	20.84	21.04	21.30
		1	49	20.98	21.04	20.98	21.30
		25	0	20.28	20.22	20.38	20.80
		25	13	20.48	20.28	20.28	20.80
		25	25	20.11	20.51	20.41	20.80
		50	0	20.40	20.53	20.43	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	20.09	20.21	20.44	21.30
		1	38	20.56	20.47	20.43	21.30
		1	74	20.38	20.54	20.22	21.30
		36	0	20.34	20.41	20.17	21.30
		36	18	20.38	20.50	20.20	21.30
		36	39	20.39	20.65	20.44	21.30
		75	0	20.39	20.39	20.38	21.30
	16QAM	1	0	20.50	20.28	20.76	21.30
		1	38	20.25	20.37	20.60	21.30
		1	74	20.75	20.74	20.64	21.30
		36	0	20.28	20.38	20.38	21.30
		36	18	20.42	20.04	20.30	21.30
		36	39	20.58	20.45	20.49	21.30
		75	0	20.35	20.33	20.44	21.30
	64QAM	1	0	20.79	20.98	20.88	21.30
		1	38	21.04	20.87	20.95	21.30
		1	74	21.09	21.04	20.95	21.30
		36	0	20.34	20.29	20.47	20.80
		36	18	20.33	20.48	20.30	20.80
		36	39	20.19	20.59	20.48	20.80
		75	0	20.29	20.38	20.33	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	20.17	20.28	20.41	21.30
		1	50	20.47	20.51	20.42	21.30
		1	99	20.39	20.64	20.25	21.30
		50	0	20.34	20.48	20.23	21.30
		50	25	20.41	20.51	20.25	21.30



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		50	50	20.44	20.56	20.45	21.30
		100	0	20.44	20.38	20.38	21.30
	16QAM	1	0	20.58	20.25	20.69	21.30
		1	50	20.27	20.45	20.54	21.30
		1	99	20.68	20.78	20.54	21.30
		50	0	20.34	20.36	20.37	21.30
		50	25	20.37	20.07	20.21	21.30
		50	50	20.57	20.52	20.52	21.30
		100	0	20.43	20.34	20.40	21.30
	64QAM	1	0	20.72	20.91	20.81	21.30
		1	50	20.96	20.88	21.04	21.30
		1	99	21.04	20.96	20.93	21.30
		50	0	20.36	20.30	20.38	20.80
		50	25	20.43	20.38	20.23	20.80
		50	50	20.14	20.50	20.47	20.80
		100	0	20.38	20.43	20.41	20.80

LTE Band 4 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	20.51	20.56	20.90	21.80
		1	2	20.80	20.84	20.91	21.80
		1	5	20.77	20.89	20.79	21.80
		3	0	20.82	20.83	20.83	21.80
		3	2	20.91	20.71	20.76	21.80
		3	3	20.83	21.06	20.95	21.80
		6	0	20.85	20.84	20.76	21.80
	16QAM	1	0	20.80	21.00	20.89	21.80
		1	2	21.00	21.18	21.21	21.80
		1	5	20.93	21.07	21.15	21.80
		3	0	20.74	20.80	20.84	21.80
		3	2	20.79	20.90	20.73	21.80
		3	3	20.80	21.02	20.85	21.80
		6	0	20.85	20.86	20.78	21.80
	64QAM	1	0	21.18	21.39	21.19	21.80
		1	2	21.38	21.37	21.73	21.80
		1	5	21.45	21.48	21.45	21.80
		3	0	21.40	21.41	21.52	21.80
		3	2	21.37	21.43	21.30	21.80



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		3	3	21.46	21.50	21.57	21.80
		6	0	20.44	20.37	20.40	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	20.58	20.55	20.81	21.80
		1	7	20.80	20.82	20.93	21.80
		1	14	20.78	20.74	20.84	21.80
		8	0	20.66	20.77	20.66	21.80
		8	4	20.85	20.76	20.81	21.80
		8	7	20.75	20.90	20.84	21.80
		15	0	20.82	20.81	20.81	21.80
	16QAM	1	0	20.74	20.96	20.93	21.80
		1	7	21.02	21.14	21.22	21.80
		1	14	21.04	21.14	21.15	21.80
		8	0	20.70	20.75	20.79	21.80
		8	4	20.93	20.82	20.78	21.80
		8	7	20.91	20.98	20.86	21.80
		15	0	20.83	20.92	20.71	21.80
	64QAM	1	0	21.23	21.50	21.28	21.80
		1	7	21.39	21.21	21.73	21.80
		1	14	21.37	21.47	21.35	21.80
		8	0	20.36	20.35	20.38	20.80
		8	4	20.39	20.60	20.46	20.80
		8	7	20.48	20.52	20.59	20.80
		15	0	20.38	20.41	20.21	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	20.52	20.55	20.83	21.80
		1	13	20.72	20.81	20.84	21.80
		1	24	20.75	20.91	20.86	21.80
		12	0	20.69	20.88	20.77	21.80
		12	6	20.74	20.80	20.79	21.80
		12	13	20.93	21.04	20.90	21.80
		25	0	20.92	20.79	20.82	21.80
	16QAM	1	0	20.91	20.95	20.84	21.80
		1	13	21.08	21.08	21.17	21.80
		1	24	21.01	21.04	21.10	21.80
		12	0	20.81	20.86	20.78	21.80
		12	6	20.91	20.89	20.71	21.80
		12	13	20.83	20.94	20.90	21.80
		25	0	20.79	21.00	20.81	21.80



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		1	0	21.15	21.40	21.19	21.80
		1	13	21.51	21.31	21.66	21.80
		1	24	21.47	21.45	21.32	21.80
	64QAM	12	0	20.39	20.49	20.51	20.80
		12	6	20.28	20.44	20.42	20.80
		12	13	20.30	20.64	20.59	20.80
		25	0	20.35	20.28	20.36	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
		1	0	20.57	20.61	20.99	21.80
		1	25	20.64	20.77	20.82	21.80
		1	49	20.85	20.80	20.79	21.80
	QPSK	25	0	20.73	20.88	20.75	21.80
		25	13	20.77	20.71	20.76	21.80
		25	25	20.91	21.04	20.88	21.80
		50	0	20.74	20.79	20.72	21.80
		1	0	20.88	20.96	20.88	21.80
		1	25	21.12	21.17	21.21	21.80
		1	49	21.05	21.16	21.18	21.80
	16QAM	25	0	20.85	20.76	20.83	21.80
		25	13	20.95	20.86	20.72	21.80
		25	25	20.75	21.00	20.96	21.80
		50	0	20.91	21.02	20.81	21.80
		1	0	21.28	21.43	21.17	21.80
		1	25	21.48	21.30	21.66	21.80
		1	49	21.43	21.34	21.45	21.80
	64QAM	25	0	20.37	20.49	20.47	20.80
		25	13	20.45	20.62	20.34	20.80
		25	25	20.39	20.63	20.58	20.80
		50	0	20.41	20.26	20.38	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
		1	0	20.52	20.59	20.83	21.80
		1	38	20.65	20.72	20.87	21.80
		1	74	20.75	20.85	20.86	21.80
	QPSK	36	0	20.64	20.69	20.79	21.80
		36	18	20.92	20.90	20.73	21.80
		36	39	20.94	20.89	20.86	21.80
		75	0	20.78	20.77	20.87	21.80
	16QAM	1	0	20.89	20.95	20.93	21.80
		1	38	21.10	21.05	21.17	21.80



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		1	74	21.00	21.13	21.20	21.80
		36	0	20.75	20.85	20.75	21.80
		36	18	20.78	20.95	20.77	21.80
		36	39	20.77	20.97	20.85	21.80
		75	0	20.85	20.88	20.85	21.80
	64QAM	1	0	21.12	21.48	21.30	21.80
		1	38	21.37	21.28	21.65	21.80
		1	74	21.46	21.35	21.31	21.80
		36	0	20.24	20.33	20.48	20.80
		36	18	20.37	20.61	20.48	20.80
		36	39	20.28	20.61	20.63	20.80
		75	0	20.30	20.44	20.37	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	20.61	20.65	20.91	21.80
		1	50	20.71	20.79	20.88	21.80
		1	99	20.75	20.81	20.76	21.80
		50	0	20.73	20.78	20.74	21.80
		50	25	20.82	20.80	20.77	21.80
		50	50	20.85	20.96	20.85	21.80
		100	0	20.82	20.81	20.80	21.80
	16QAM	1	0	20.82	21.05	20.85	21.80
		1	50	21.05	21.09	21.27	21.80
		1	99	21.03	21.12	21.10	21.80
		50	0	20.76	20.81	20.74	21.80
		50	25	20.86	20.86	20.80	21.80
		50	50	20.85	20.98	20.94	21.80
		100	0	20.89	20.92	20.78	21.80
	64QAM	1	0	21.22	21.46	21.21	21.80
		1	50	21.44	21.31	21.64	21.80
		1	99	21.45	21.42	21.36	21.80
		50	0	20.31	20.41	20.47	20.80
		50	25	20.38	20.52	20.40	20.80
		50	50	20.38	20.59	20.60	20.80
		100	0	20.39	20.34	20.30	20.80

LTE Band 7 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	



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5MHz	QPSK	1	0	21.93	22.11	22.01	23.30
		1	13	22.05	22.12	21.82	23.30
		1	24	21.99	22.05	21.70	23.30
		12	0	21.13	21.16	21.14	22.30
		12	6	21.11	21.11	21.29	22.30
		12	13	21.11	21.11	21.03	22.30
		25	0	21.09	21.06	21.07	22.30
	16QAM	1	0	21.21	21.12	21.25	22.30
		1	13	21.37	21.18	21.30	22.30
		1	24	21.08	21.33	21.14	22.30
		12	0	20.29	20.03	20.10	21.30
		12	6	20.35	20.11	20.19	21.30
		12	13	20.13	20.18	20.15	21.30
		25	0	20.21	20.25	20.13	21.30
	64QAM	1	0	21.27	21.22	21.21	21.30
		1	13	21.15	21.27	20.91	21.30
		1	24	20.82	21.08	20.95	21.30
		12	0	20.28	19.95	20.20	20.30
		12	6	20.26	20.06	20.04	20.30
		12	13	20.09	20.11	20.03	20.30
		25	0	20.23	20.03	20.06	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.12	22.01	21.90	23.30
		1	25	21.95	22.02	21.86	23.30
		1	49	21.83	22.09	21.72	23.30
		25	0	21.11	21.27	21.07	22.30
		25	13	21.11	21.11	21.20	22.30
		25	25	21.06	21.23	20.96	22.30
		50	0	21.20	20.96	21.17	22.30
	16QAM	1	0	21.30	21.09	21.17	22.30
		1	25	21.36	21.16	21.25	22.30
		1	49	21.12	21.46	21.13	22.30
		25	0	20.18	20.17	20.27	21.30
		25	13	20.24	20.09	20.11	21.30
		25	25	20.10	20.11	20.13	21.30
		50	0	20.28	20.23	20.16	21.30
	64QAM	1	0	21.18	21.08	21.01	21.30
		1	25	21.16	21.28	21.02	21.30
		1	49	20.94	20.99	20.96	21.30



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		25	0	20.16	20.12	20.15	20.30
		25	13	20.27	20.09	20.10	20.30
		25	25	20.08	20.15	20.12	20.30
		50	0	20.29	20.19	20.22	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.94	22.03	21.85	23.30
		1	38	22.07	21.99	21.85	23.30
		1	74	21.91	22.02	21.70	23.30
		36	0	21.24	21.20	21.07	22.30
		36	18	21.18	21.09	21.27	22.30
		36	39	21.14	21.31	21.00	22.30
		75	0	21.12	21.06	21.15	22.30
	16QAM	1	0	21.27	21.08	21.14	22.30
		1	38	21.32	21.21	21.28	22.30
		1	74	21.04	21.46	21.07	22.30
		36	0	20.22	20.09	20.12	21.30
		36	18	20.39	20.19	20.17	21.30
		36	39	20.05	20.15	20.19	21.30
		75	0	20.24	20.23	20.20	21.30
	64QAM	1	0	21.16	21.06	21.02	21.30
		1	38	21.17	21.26	20.87	21.30
		1	74	20.87	21.06	21.02	21.30
		36	0	20.21	20.12	20.17	20.30
		36	18	20.27	20.08	20.07	20.30
		36	39	20.12	20.06	20.00	20.30
		75	0	20.21	20.11	20.18	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.02	22.11	21.93	23.30
		1	50	22.03	22.09	21.88	23.30
		1	99	21.89	22.10	21.80	23.30
		50	0	21.19	21.24	21.15	22.30
		50	25	21.17	21.07	21.23	22.30
		50	50	21.15	21.21	21.06	22.30
		100	0	21.17	21.05	21.15	22.30
	16QAM	1	0	21.30	21.06	21.22	22.30
		1	50	21.37	21.15	21.29	22.30
		1	99	21.04	21.39	21.14	22.30
		50	0	20.27	20.12	20.20	21.30



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		50	25	20.30	20.11	20.13	21.30
		50	50	20.10	20.12	20.11	21.30
		100	0	20.19	20.15	20.13	21.30
	64QAM	1	0	21.25	21.14	21.11	21.30
		1	50	21.15	21.28	20.97	21.30
		1	99	20.92	21.09	21.04	21.30
		50	0	20.24	20.04	20.13	20.30
		50	25	20.19	20.09	20.10	20.30
		50	50	20.10	20.08	20.06	20.30
		100	0	20.29	20.11	20.13	20.30

LTE Band 7 state5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	20.25	19.87	20.04	21.30
		1	13	19.82	20.24	19.93	21.30
		1	24	19.77	19.99	19.65	21.30
		12	0	20.14	20.12	20.01	21.30
		12	6	20.21	19.90	19.94	21.30
		12	13	19.97	19.93	20.06	21.30
		25	0	20.13	20.02	20.02	21.30
	16QAM	1	0	20.28	20.12	20.22	21.30
		1	13	20.23	20.06	20.30	21.30
		1	24	20.12	20.12	19.97	21.30
		12	0	20.08	20.02	20.13	21.30
		12	6	20.12	19.96	19.99	21.30
		12	13	20.11	19.87	20.08	21.30
		25	0	20.06	20.05	20.06	21.30
	64QAM	1	0	19.97	20.08	19.94	21.30
		1	13	19.69	20.16	20.11	21.30
		1	24	19.85	19.93	19.30	21.30
		12	0	20.23	20.08	20.16	20.30
		12	6	20.12	20.11	20.08	20.30
		12	13	20.20	19.97	19.98	20.30
		25	0	20.21	19.96	20.09	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	20.20	19.86	19.95	21.30



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		1	25	19.95	20.29	19.97	21.30
		1	49	19.82	19.83	19.76	21.30
		25	0	20.14	19.97	20.08	21.30
		25	13	20.22	20.09	20.12	21.30
		25	25	19.97	19.90	20.10	21.30
		50	0	20.12	20.02	20.03	21.30
	16QAM	1	0	20.31	20.04	20.19	21.30
		1	25	20.16	20.17	20.19	21.30
		1	49	20.04	20.11	19.98	21.30
		25	0	20.27	20.02	20.14	21.30
		25	13	20.17	20.07	20.02	21.30
		25	25	20.04	19.91	20.05	21.30
		50	0	20.15	20.02	20.06	21.30
	64QAM	1	0	19.97	20.15	19.97	21.30
		1	25	19.60	20.12	20.17	21.30
		1	49	19.76	19.95	19.38	21.30
		25	0	20.16	19.93	20.08	20.30
		25	13	20.14	20.04	20.11	20.30
		25	25	20.22	19.96	19.91	20.30
		50	0	20.16	19.89	20.03	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	20.18	19.80	20.12	21.30
		1	38	19.84	20.27	19.81	21.30
		1	74	19.76	19.88	19.68	21.30
		36	0	20.15	20.10	20.01	21.30
		36	18	20.14	19.90	20.06	21.30
		36	39	19.87	19.88	20.05	21.30
		75	0	20.16	20.05	20.14	21.30
	16QAM	1	0	20.24	20.03	20.16	21.30
		1	38	20.27	20.11	20.35	21.30
		1	74	20.07	20.17	19.99	21.30
		36	0	20.26	20.06	19.99	21.30
		36	18	20.22	19.99	19.98	21.30
		36	39	19.97	19.91	20.07	21.30
		75	0	20.20	19.95	20.01	21.30
	64QAM	1	0	20.06	20.11	19.95	21.30
		1	38	19.55	20.14	20.06	21.30
		1	74	19.79	19.90	19.32	21.30
		36	0	20.24	19.94	20.03	20.30



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		36	18	20.11	20.06	20.07	20.30
		36	39	20.15	20.03	20.05	20.30
		75	0	20.26	19.99	20.08	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	20.19	19.84	20.02	21.30
		1	50	19.89	20.23	19.89	21.30
		1	99	19.84	19.90	19.75	21.30
		50	0	20.20	20.07	20.05	21.30
		50	25	20.15	19.99	20.04	21.30
		50	50	19.94	19.94	20.00	21.30
		100	0	20.06	20.08	19.98	21.30
	16QAM	1	0	20.27	20.11	20.26	21.30
		1	50	20.22	20.13	20.27	21.30
		1	99	20.13	20.12	20.04	21.30
		50	0	20.18	19.97	20.09	21.30
		50	25	20.15	19.99	20.07	21.30
		50	50	20.04	19.97	20.06	21.30
		100	0	20.15	19.99	20.01	21.30
	64QAM	1	0	19.99	20.07	20.03	21.30
		1	50	19.63	20.22	20.09	21.30
		1	99	19.86	20.00	19.37	21.30
		50	0	20.18	19.98	20.08	20.30
		50	25	20.16	20.05	20.05	20.30
		50	50	20.17	20.02	19.95	20.30
		100	0	20.17	19.94	20.03	20.30

LTE Band 7 state8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.59	21.30	21.58	22.80
		1	13	21.95	21.42	22.07	22.80
		1	24	21.73	21.81	21.33	22.80
		12	0	21.20	21.11	21.08	22.30
		12	6	21.22	21.13	21.16	22.30
		12	13	21.16	21.21	20.98	22.30
		25	0	21.32	21.20	21.19	22.30
	16QAM	1	0	21.42	21.22	21.31	22.30



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		1	13	21.44	21.60	21.34	22.30
		1	24	20.92	21.34	21.21	22.30
		12	0	20.27	20.21	19.92	21.30
		12	6	20.18	20.15	19.95	21.30
		12	13	20.17	19.98	19.90	21.30
		25	0	20.19	20.08	20.06	21.30
	64QAM	1	0	21.25	20.96	20.82	21.30
		1	13	21.25	20.97	20.91	21.30
		1	24	21.04	21.25	20.88	21.30
		12	0	20.22	19.97	20.07	20.30
		12	6	20.21	19.96	20.29	20.30
		12	13	20.16	20.11	20.20	20.30
		25	0	20.10	20.18	20.06	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	21.49	21.47	21.73	22.80
		1	25	21.98	21.29	21.91	22.80
		1	49	21.78	21.76	21.40	22.80
		25	0	21.33	21.03	21.12	22.30
		25	13	21.23	21.16	21.23	22.30
		25	25	21.21	21.19	21.04	22.30
		50	0	21.34	21.05	21.23	22.30
	16QAM	1	0	21.55	21.22	21.35	22.30
		1	25	21.31	21.52	21.34	22.30
		1	49	20.87	21.36	21.14	22.30
		25	0	20.22	20.27	20.08	21.30
		25	13	20.19	20.04	20.06	21.30
		25	25	20.10	19.97	19.90	21.30
		50	0	20.29	20.13	20.03	21.30
	64QAM	1	0	21.27	21.00	20.98	21.30
		1	25	21.25	21.05	20.87	21.30
		1	49	20.96	21.16	21.03	21.30
		25	0	20.24	20.02	20.22	20.30
		25	13	20.17	20.06	20.28	20.30
		25	25	20.00	19.99	20.14	20.30
		50	0	20.15	20.11	20.03	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.57	21.34	21.73	22.80
		1	38	21.98	21.29	22.00	22.80



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		1	74	21.63	21.65	21.24	22.80
		36	0	21.16	21.17	21.09	22.30
		36	18	21.25	21.15	21.07	22.30
		36	39	21.15	21.16	21.00	22.30
		75	0	21.30	21.20	21.08	22.30
	16QAM	1	0	21.60	21.40	21.24	22.30
		1	38	21.47	21.66	21.35	22.30
		1	74	20.93	21.51	21.16	22.30
		36	0	20.24	20.21	20.01	21.30
		36	18	20.06	20.22	20.13	21.30
		36	39	20.11	20.07	19.91	21.30
		75	0	20.30	20.15	20.11	21.30
	64QAM	1	0	21.20	20.94	20.95	21.30
		1	38	21.26	21.07	20.80	21.30
		1	74	21.07	21.24	20.91	21.30
		36	0	20.16	19.93	20.05	20.30
		36	18	20.18	20.09	20.27	20.30
		36	39	20.03	20.12	20.13	20.30
		75	0	20.14	20.14	20.02	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.52	21.37	21.68	22.80
		1	50	22.12	21.33	21.98	22.80
		1	99	21.69	21.73	21.31	22.80
		50	0	21.23	21.09	21.13	22.30
		50	25	21.23	21.14	21.14	22.30
		50	50	21.11	21.12	21.05	22.30
		100	0	21.26	21.13	21.18	22.30
	16QAM	1	0	21.51	21.30	21.27	22.30
		1	50	21.38	21.59	21.35	22.30
		1	99	20.86	21.43	21.14	22.30
		50	0	20.23	20.18	20.00	21.30
		50	25	20.15	20.12	20.04	21.30
		50	50	20.19	20.03	20.00	21.30
		100	0	20.21	20.06	20.12	21.30
	64QAM	1	0	21.26	21.00	20.92	21.30
		1	50	21.17	21.07	20.84	21.30
		1	99	21.03	21.21	20.97	21.30
		50	0	20.22	20.02	20.12	20.30
		50	25	20.20	20.04	20.20	20.30



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		50	50	20.09	20.09	20.14	20.30
		100	0	20.11	20.10	20.11	20.30

LTE Band 7 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	18.93	19.15	19.33	20.30
		1	13	18.96	19.28	18.97	20.30
		1	24	18.82	18.82	18.83	20.30
		12	0	19.28	18.99	19.15	20.30
		12	6	19.13	19.07	18.99	20.30
		12	13	19.05	19.07	19.07	20.30
		25	0	19.06	19.07	18.96	20.30
	16QAM	1	0	19.30	19.22	19.16	20.30
		1	13	19.19	19.28	19.24	20.30
		1	24	19.02	19.21	19.10	20.30
		12	0	19.07	19.14	19.02	20.30
		12	6	19.11	19.09	19.11	20.30
		12	13	19.19	19.00	19.02	20.30
		25	0	19.22	19.12	19.02	20.30
	64QAM	1	0	19.28	18.95	18.71	20.30
		1	13	19.08	18.91	18.96	20.30
		1	24	19.01	19.22	18.71	20.30
		12	0	19.11	18.93	19.00	20.30
		12	6	19.00	18.89	18.94	20.30
		12	13	19.02	18.82	19.00	20.30
		25	0	19.18	19.15	19.10	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	19.11	19.32	19.24	20.30
		1	25	18.95	19.33	18.80	20.30
		1	49	18.93	18.84	18.71	20.30
		25	0	19.21	18.94	19.07	20.30
		25	13	19.23	18.98	19.05	20.30
		25	25	18.99	18.98	18.99	20.30
		50	0	19.11	18.88	18.94	20.30
	16QAM	1	0	19.34	19.38	19.07	20.30
		1	25	19.23	19.25	19.39	20.30



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		1	49	19.07	19.36	19.12	20.30
		25	0	19.22	19.21	19.10	20.30
		25	13	19.02	19.09	18.97	20.30
		25	25	19.09	18.93	19.02	20.30
		50	0	19.13	19.04	19.04	20.30
	64QAM	1	0	19.36	19.04	18.78	20.30
		1	25	19.12	18.95	18.90	20.30
		1	49	19.00	19.13	18.76	20.30
		25	0	19.19	18.93	18.91	20.30
		25	13	18.99	18.89	18.97	20.30
		25	25	19.05	18.95	18.96	20.30
		50	0	19.06	19.10	19.10	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	19.03	19.16	19.26	20.30
		1	38	18.93	19.26	18.91	20.30
		1	74	18.82	18.92	18.63	20.30
		36	0	19.12	19.05	19.11	20.30
		36	18	19.21	19.06	18.98	20.30
		36	39	19.17	19.02	18.89	20.30
		75	0	19.07	19.00	18.92	20.30
	16QAM	1	0	19.25	19.35	19.17	20.30
		1	38	19.14	19.24	19.23	20.30
		1	74	19.03	19.36	19.20	20.30
		36	0	19.18	19.18	19.04	20.30
		36	18	19.13	19.13	19.03	20.30
		36	39	19.13	19.01	19.02	20.30
		75	0	19.04	19.23	18.95	20.30
	64QAM	1	0	19.19	18.91	18.60	20.30
		1	38	19.15	18.81	18.93	20.30
		1	74	19.03	19.11	18.74	20.30
		36	0	19.03	18.95	18.96	20.30
		36	18	19.10	19.04	18.91	20.30
		36	39	18.92	18.94	19.02	20.30
		75	0	19.01	19.11	19.02	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.02	19.24	19.34	20.30
		1	50	18.93	19.30	18.90	20.30
		1	99	18.88	18.86	18.73	20.30



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		50	0	19.19	19.02	19.07	20.30
		50	25	19.16	19.01	19.05	20.30
		50	50	19.09	18.99	18.97	20.30
		100	0	19.12	18.97	19.01	20.30
	16QAM	1	0	19.33	19.28	19.15	20.30
		1	50	19.20	19.30	19.32	20.30
		1	99	19.12	19.31	19.14	20.30
		50	0	19.13	19.13	19.02	20.30
		50	25	19.10	19.10	19.01	20.30
		50	50	19.12	18.98	18.99	20.30
		100	0	19.12	19.13	18.96	20.30
	64QAM	1	0	19.27	18.98	18.68	20.30
		1	50	19.08	18.89	18.90	20.30
		1	99	19.08	19.13	18.79	20.30
		50	0	19.12	18.97	19.01	20.30
		50	25	19.08	18.98	18.98	20.30
		50	50	19.02	18.92	18.96	20.30
		100	0	19.10	19.11	19.00	20.30

LTE Band 38 state3/5/8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.03	21.94	21.69	22.80
		1	13	21.89	21.81	21.59	22.80
		1	24	22.13	21.61	21.35	22.80
		12	0	21.16	21.07	21.04	21.80
		12	6	21.06	20.98	20.80	21.80
		12	13	21.15	21.05	21.02	21.80
		25	0	21.01	20.90	20.98	21.80
	16QAM	1	0	21.12	20.97	21.06	21.80
		1	13	20.72	21.05	20.49	21.80
		1	24	20.66	20.59	20.64	21.80
		12	0	20.29	20.11	20.05	20.80
		12	6	20.26	19.96	19.76	20.80
		12	13	19.91	19.62	19.95	20.80
		25	0	20.23	19.75	19.74	20.80
	64QAM	1	0	19.39	19.41	19.50	20.80
		1	13	19.51	19.24	19.50	20.80



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		1	24	19.41	19.33	19.12	20.80
		12	0	18.62	18.52	18.58	19.80
		12	6	18.61	18.64	18.68	19.80
		12	13	18.42	18.34	18.34	19.80
		25	0	18.39	18.57	18.46	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.09	21.78	21.59	22.80
		1	25	22.07	21.79	21.72	22.80
		1	49	22.17	21.50	21.41	22.80
		25	0	21.06	20.89	20.94	21.80
		25	13	21.27	20.87	20.94	21.80
		25	25	21.13	21.07	20.94	21.80
		50	0	21.25	21.09	20.83	21.80
	16QAM	1	0	21.21	20.91	20.98	21.80
		1	25	20.77	21.08	20.54	21.80
		1	49	20.90	20.83	20.85	21.80
		25	0	20.20	20.04	20.00	20.80
		25	13	20.00	19.98	19.98	20.80
		25	25	20.20	19.75	19.97	20.80
		50	0	20.21	19.88	20.04	20.80
	64QAM	1	0	19.42	19.60	19.44	20.80
		1	25	19.45	19.31	19.55	20.80
		1	49	19.41	19.28	19.17	20.80
		25	0	18.63	18.70	18.74	19.80
		25	13	18.62	18.59	18.63	19.80
		25	25	18.13	18.36	18.52	19.80
		50	0	18.52	18.40	18.41	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.06	21.95	21.64	22.80
		1	38	22.06	21.69	21.72	22.80
		1	74	22.11	21.51	21.12	22.80
		36	0	21.24	21.14	20.85	21.80
		36	18	21.00	21.02	21.01	21.80
		36	39	21.18	21.03	20.96	21.80
		75	0	21.19	20.90	20.93	21.80
	16QAM	1	0	21.10	20.97	20.81	21.80
		1	38	20.81	20.96	20.54	21.80
		1	74	20.91	20.84	20.74	21.80
		36	0	20.28	19.99	19.93	20.80



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		36	18	20.15	20.07	19.77	20.80
		36	39	19.99	19.67	20.00	20.80
		75	0	20.19	19.77	19.83	20.80
	64QAM	1	0	19.41	19.37	19.57	20.80
		1	38	19.36	19.54	19.55	20.80
		1	74	19.40	19.33	19.33	20.80
		36	0	18.47	18.56	18.54	19.80
		36	18	18.74	18.46	18.68	19.80
		36	39	18.38	18.36	18.45	19.80
		75	0	18.37	18.44	18.26	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	22.01	21.82	21.72	22.80
		1	50	22.04	21.71	21.61	22.80
		1	99	22.02	21.64	21.27	22.80
		50	0	21.13	21.00	20.95	21.80
		50	25	21.15	20.98	20.91	21.80
		50	50	21.05	20.93	20.87	21.80
		100	0	21.11	20.95	20.94	21.80
	16QAM	1	0	21.11	21.05	20.94	21.80
		1	50	20.87	21.03	20.64	21.80
		1	99	20.81	20.70	20.70	21.80
		50	0	20.21	19.98	19.94	20.80
		50	25	20.14	19.94	19.91	20.80
		50	50	20.06	19.75	19.86	20.80
		100	0	20.12	19.80	19.89	20.80
	64QAM	1	0	19.52	19.50	19.46	20.80
		1	50	19.42	19.39	19.40	20.80
		1	99	19.49	19.35	19.25	20.80
		50	0	18.55	18.56	18.62	19.80
		50	25	18.65	18.54	18.67	19.80
		50	50	18.27	18.41	18.38	19.80
		100	0	18.39	18.48	18.35	19.80

LTE Band 38 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.68	21.76	21.26	22.30
		1	13	21.65	21.40	21.24	22.30



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		1	24	21.25	21.37	21.30	22.30
		12	0	21.17	20.93	20.81	21.80
		12	6	21.07	20.86	20.83	21.80
		12	13	21.02	20.93	20.80	21.80
		25	0	21.00	20.83	20.97	21.80
	16QAM	1	0	21.00	21.03	20.89	21.80
		1	13	21.01	21.26	20.86	21.80
		1	24	20.85	20.81	20.27	21.80
		12	0	20.35	20.00	19.96	20.80
		12	6	20.25	20.07	19.94	20.80
		12	13	20.11	19.91	19.99	20.80
		25	0	20.25	19.89	19.70	20.80
	64QAM	1	0	19.60	19.47	19.74	20.80
		1	13	19.34	19.48	19.47	20.80
		1	24	19.20	19.38	19.33	20.80
		12	0	18.67	18.39	18.28	19.80
		12	6	18.49	18.60	18.54	19.80
		12	13	18.51	18.42	18.43	19.80
		25	0	18.27	18.64	18.50	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	21.57	21.75	21.53	22.30
		1	25	21.71	21.49	21.27	22.30
		1	49	21.40	21.26	21.20	22.30
		25	0	21.19	20.90	20.97	21.80
		25	13	21.21	21.07	21.02	21.80
		25	25	21.00	21.05	20.84	21.80
		50	0	21.21	21.08	20.93	21.80
	16QAM	1	0	21.15	20.85	20.90	21.80
		1	25	20.73	21.33	20.83	21.80
		1	49	20.76	20.83	20.46	21.80
		25	0	20.31	19.92	19.82	20.80
		25	13	20.28	19.83	19.87	20.80
		25	25	20.22	19.75	19.93	20.80
		50	0	19.99	20.07	19.92	20.80
	64QAM	1	0	19.64	19.48	19.72	20.80
		1	25	19.31	19.39	19.42	20.80
		1	49	19.37	19.16	19.19	20.80
		25	0	18.77	18.52	18.30	19.80
		25	13	18.65	18.66	18.72	19.80
		25	25	18.40	18.34	18.30	19.80



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		50	0	18.36	18.65	18.24	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	21.76	21.70	21.54	22.30
		1	38	21.78	21.56	21.23	22.30
		1	74	21.47	21.46	21.12	22.30
		36	0	21.30	21.12	20.88	21.80
		36	18	21.11	21.04	20.97	21.80
		36	39	21.08	20.88	21.00	21.80
		75	0	21.15	20.91	20.94	21.80
	16QAM	1	0	21.07	20.80	20.90	21.80
		1	38	20.93	21.26	20.62	21.80
		1	74	20.91	20.91	20.27	21.80
		36	0	20.32	20.13	19.86	20.80
		36	18	20.24	19.86	19.89	20.80
		36	39	20.21	19.88	19.87	20.80
		75	0	20.28	19.94	19.98	20.80
	64QAM	1	0	19.47	19.65	19.56	20.80
		1	38	19.57	19.49	19.59	20.80
		1	74	19.24	19.14	19.23	20.80
		36	0	18.56	18.40	18.38	19.80
		36	18	18.49	18.51	18.72	19.80
		36	39	18.40	18.49	18.42	19.80
		75	0	18.35	18.62	18.48	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	21.71	21.61	21.41	22.30
		1	50	21.77	21.54	21.37	22.30
		1	99	21.32	21.37	21.23	22.30
		50	0	21.17	21.00	20.91	21.80
		50	25	21.13	21.00	20.89	21.80
		50	50	21.06	20.92	20.87	21.80
		100	0	21.10	20.96	20.91	21.80
	16QAM	1	0	21.13	20.93	20.94	21.80
		1	50	20.87	21.24	20.72	21.80
		1	99	20.90	20.91	20.38	21.80
		50	0	20.22	20.00	19.93	20.80
		50	25	20.15	19.92	19.88	20.80
		50	50	20.13	19.90	19.85	20.80
		100	0	20.13	19.95	19.85	20.80
	64QAM	1	0	19.53	19.56	19.69	20.80



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		1	50	19.42	19.42	19.53	20.80
		1	99	19.31	19.23	19.30	20.80
		50	0	18.62	18.47	18.39	19.80
		50	25	18.64	18.52	18.67	19.80
		50	50	18.43	18.41	18.44	19.80
		100	0	18.42	18.51	18.37	19.80

LTE Band 41 2496 - 2690 PC2 state3/5/8/10				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	23.09	23.1	22.97	22.8	22.4	23.80
		1	13	22.98	23.06	22.82	22.76	22.37	23.80
		1	24	22.95	22.69	22.83	22.72	22.16	23.80
		12	0	22.14	22.25	21.99	21.81	21.27	22.80
		12	6	22.1	22.3	22.09	21.73	21.25	22.80
		12	13	22.03	22.3	22.02	21.61	21.26	22.80
		25	0	22.13	22.17	21.91	21.65	21.15	22.80
	16QAM	1	0	22.45	22.54	22.12	22.24	21.7	22.80
		1	13	22.26	22.32	22.09	21.79	21.49	22.80
		1	24	22.24	22.11	21.96	21.87	21.27	22.80
		12	0	21.03	21.27	20.93	20.63	20.37	21.80
		12	6	21.15	21.2	20.94	20.78	20.29	21.80
		12	13	20.92	21.19	21.05	20.83	20.26	21.80
		25	0	21.2	21.29	20.9	20.65	20.27	21.80
	64QAM	1	0	21.02	21.03	21.06	21.00	20.93	21.80
		1	13	21.20	21.12	21.20	21.11	21.08	21.80
		1	24	21.02	20.82	20.97	20.99	20.98	21.80
		12	0	19.89	19.91	19.85	19.95	19.76	20.80
		12	6	20.14	19.93	19.93	19.96	20.08	20.80
		12	13	19.95	19.93	20.02	19.98	20.12	20.80
		25	0	20.15	19.87	19.97	19.91	19.83	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	23.14	23.1	22.92	22.87	22.41	23.80
		1	25	22.87	23.08	22.83	22.72	22.25	23.80
		1	49	22.95	22.79	22.86	22.66	22.18	23.80
		25	0	22.11	22.32	21.92	21.72	21.24	22.80
		25	13	22.17	22.3	21.91	21.67	21.3	22.80
		25	25	21.98	22.14	21.94	21.62	21.2	22.80
		50	0	22.14	22.08	22	21.53	21.24	22.80



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		1	0	22.47	22.56	22.15	22.31	21.58	22.80
		1	25	22.3	22.32	22.15	21.86	21.42	22.80
		1	49	22.25	22.06	21.96	21.89	21.31	22.80
	16QAM	25	0	21	21.34	21.01	20.82	20.36	21.80
		25	13	21.08	21.31	20.91	20.68	20.24	21.80
		25	25	20.99	21.24	21.01	20.85	20.2	21.80
		50	0	21.05	21.24	21.07	20.6	20.24	21.80
		1	0	21.02	21.10	21.08	20.94	21.10	21.80
		1	25	21.10	21.25	21.14	21.11	21.23	21.80
		1	49	20.90	20.93	20.95	21.18	20.94	21.80
	64QAM	25	0	19.85	19.95	19.91	20.02	19.90	20.80
		25	13	20.03	19.96	20.11	19.97	19.97	20.80
		25	25	19.85	20.03	19.94	19.91	20.01	20.80
		50	0	19.99	19.80	19.88	20.04	19.90	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	23.15	22.99	23.08	22.89	22.34	23.80
		1	38	22.94	23.11	22.82	22.73	22.21	23.80
		1	74	23.05	22.69	22.84	22.65	22.19	23.80
		36	0	21.97	22.3	22.03	21.66	21.24	22.80
		36	18	22.01	22.21	21.96	21.75	21.34	22.80
		36	39	22.02	22.23	22.01	21.74	21.3	22.80
		75	0	22.08	22.17	22	21.56	21.23	22.80
	16QAM	1	0	22.49	22.4	22.18	22.21	21.52	22.80
		1	38	22.17	22.45	22.04	21.77	21.52	22.80
		1	74	22.2	22.09	21.99	21.94	21.31	22.80
		36	0	21	21.23	21.02	20.74	20.35	21.80
		36	18	21.12	21.39	21	20.85	20.19	21.80
		36	39	21.02	21.27	20.97	20.76	20.27	21.80
		75	0	21.16	21.2	20.96	20.7	20.34	21.80
	64QAM	1	0	20.96	21.17	21.10	21.05	20.94	21.80
		1	38	21.02	21.14	21.26	21.22	21.12	21.80
		1	74	20.94	20.81	21.08	21.13	20.90	21.80
		36	0	19.82	19.99	19.86	19.92	19.93	20.80
		36	18	20.10	19.95	20.05	19.95	20.12	20.80
		36	39	19.96	19.92	20.07	20.02	20.02	20.80
		75	0	20.05	19.86	19.97	19.87	19.80	20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.05	23.07	23.01	22.83	22.43	23.80
		1	50	22.97	23.05	22.84	22.67	22.31	23.80



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		1	99	22.96	22.79	22.78	22.66	22.22	23.80
		50	0	22.05	22.22	21.99	21.74	21.3	22.80
		50	25	22.09	22.21	22	21.7	21.24	22.80
		50	50	22.05	22.21	21.95	21.67	21.25	22.80
		100	0	22.1	22.17	21.95	21.61	21.23	22.80
	16QAM	1	0	22.47	22.48	22.21	22.31	21.61	22.80
		1	50	22.26	22.42	22.11	21.87	21.43	22.80
		1	99	22.25	22.15	21.92	21.9	21.32	22.80
		50	0	21.08	21.26	21	20.72	20.36	21.80
		50	25	21.15	21.3	21.01	20.75	20.22	21.80
		50	50	21.02	21.2	20.99	20.76	20.23	21.80
		100	0	21.11	21.24	20.97	20.65	20.24	21.80
	64QAM	1	0	21.01	21.13	21.05	20.95	21.00	21.80
		1	50	21.11	21.19	21.21	21.14	21.14	21.80
		1	99	21.00	20.91	21.01	21.09	20.97	21.80
		50	0	19.87	19.92	19.92	20.01	19.84	20.80
		50	25	20.12	19.97	20.03	20.05	20.07	20.80
		50	50	19.94	19.96	19.99	20.01	20.06	20.80
		100	0	20.06	19.88	19.96	19.95	19.90	20.80

LTE Band 41 2496 - 2690 PC3 state3/5/8/10				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	21.89	21.75	21.62	21.52	21.3	22.80
		1	13	21.48	21.34	21.61	21.4	21.28	22.80
		1	24	21.74	21.47	21.47	21.39	21.35	22.80
		12	0	20.79	20.54	20.61	20.36	20.41	21.80
		12	6	20.68	20.75	20.53	20.58	20.93	21.80
		12	13	20.74	20.72	20.7	20.65	20.26	21.80
		25	0	20.83	20.77	20.52	20.6	20.75	21.80
	16QAM	1	0	21.02	20.92	20.87	20.87	20.26	21.80
		1	13	20.71	20.58	20.48	20.53	20.24	21.80
		1	24	20.58	20.36	20.4	20.47	20.28	21.80
		12	0	19.61	19.64	19.58	19.72	19.29	20.80
		12	6	19.89	19.26	19.38	19.55	19.17	20.80
		12	13	19.74	19.55	19.62	19.43	19.15	20.80
		25	0	19.9	19.66	19.52	19.53	19.23	20.80
	64QAM	1	0	20.65	20.68	20.52	20.64	20.05	20.80
		1	13	20.70	20.24	20.35	20.54	19.98	20.80



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		1	24	20.51	20.51	20.41	20.35	20.13	20.80
		12	0	19.74	19.63	19.67	19.61	19.18	19.80
		12	6	19.72	19.67	19.73	19.73	19.10	19.80
		12	13	19.55	19.47	19.61	19.43	18.92	19.80
		25	0	19.73	19.54	19.62	19.79	19.06	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	21.69	21.56	21.63	21.75	21.28	22.80
		1	25	21.68	21.43	21.5	21.47	21.23	22.80
		1	49	21.7	21.19	21.29	21.45	21.58	22.80
		25	0	20.84	20.47	20.53	20.42	20.38	21.80
		25	13	20.87	20.61	20.73	20.54	20.77	21.80
		25	25	20.82	20.63	20.59	20.45	20.32	21.80
		50	0	20.92	20.76	20.67	20.67	20.87	21.80
	16QAM	1	0	21.01	20.85	20.77	20.79	20.24	21.80
		1	25	20.64	20.7	20.53	20.56	20.47	21.80
		1	49	20.76	20.38	20.5	20.41	20.14	21.80
		25	0	19.79	19.53	19.75	19.53	19.19	20.80
		25	13	19.73	19.29	19.36	19.32	19.25	20.80
		25	25	19.47	19.39	19.7	19.68	19.39	20.80
		50	0	19.92	19.85	19.51	19.41	19.18	20.80
	64QAM	1	0	20.63	20.78	20.76	20.70	20.08	20.80
		1	25	20.71	20.14	20.41	20.44	20.13	20.80
		1	49	20.59	20.35	20.43	20.28	20.16	20.80
		25	0	19.64	19.65	19.55	19.65	19.13	19.80
		25	13	19.66	19.72	19.76	19.59	19.12	19.80
		25	25	19.53	19.66	19.46	19.42	19.05	19.80
		50	0	19.65	19.42	19.55	19.58	18.91	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	21.79	21.65	21.71	21.66	21.37	22.80
		1	38	21.74	21.3	21.47	21.54	21.36	22.80
		1	74	21.66	21.3	21.33	21.33	21.55	22.80
		36	0	20.86	20.49	20.34	20.44	20.26	21.80
		36	18	20.82	20.58	20.53	20.53	20.66	21.80
		36	39	20.78	20.44	20.59	20.46	20.3	21.80
		75	0	20.79	20.61	20.49	20.83	20.66	21.80
	16QAM	1	0	20.78	20.87	20.79	20.95	20.24	21.80
		1	38	20.59	20.51	20.5	20.54	20.23	21.80
		1	74	20.49	20.46	20.32	20.48	20.34	21.80
		36	0	19.87	19.64	19.58	19.52	19.29	20.80



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		36	18	19.95	19.5	19.45	19.44	19.24	20.80
		36	39	19.62	19.58	19.7	19.41	19.35	20.80
		75	0	19.67	19.77	19.5	19.45	19.1	20.80
	64QAM	1	0	20.76	20.67	20.53	20.72	20.19	20.80
		1	38	20.62	20.15	20.41	20.55	19.94	20.80
		1	74	20.75	20.57	20.54	20.57	19.91	20.80
		36	0	19.61	19.42	19.67	19.75	19.05	19.80
		36	18	19.64	19.62	19.66	19.68	19.10	19.80
		36	39	19.75	19.45	19.63	19.42	18.96	19.80
		75	0	19.67	19.70	19.52	19.70	19.06	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	21.75	21.71	21.73	21.62	21.37	22.80
		1	50	21.61	21.44	21.47	21.44	21.22	22.80
		1	99	21.59	21.34	21.4	21.43	21.35	22.80
		50	0	20.74	20.52	20.47	20.42	20.3	21.80
		50	25	20.77	20.62	20.64	20.61	20.79	21.80
		50	50	20.79	20.59	20.63	20.59	20.22	21.80
		100	0	20.85	20.62	20.63	20.68	20.77	21.80
	16QAM	1	0	20.87	20.86	20.76	20.84	20.35	21.80
		1	50	20.72	20.58	20.54	20.44	20.33	21.80
		1	99	20.64	20.5	20.46	20.43	20.2	21.80
		50	0	19.74	19.66	19.6	19.63	19.29	20.80
		50	25	19.87	19.4	19.48	19.41	19.23	20.80
		50	50	19.62	19.52	19.6	19.53	19.25	20.80
		100	0	19.81	19.71	19.61	19.55	19.22	20.80
	64QAM	1	0	20.71	20.67	20.66	20.75	20.17	20.80
		1	50	20.68	20.29	20.35	20.41	20.05	20.80
		1	99	20.64	20.42	20.41	20.43	20.02	20.80
		50	0	19.79	19.52	19.62	19.72	19.13	19.80
		50	25	19.78	19.78	19.68	19.66	19.06	19.80
		50	50	19.64	19.54	19.55	19.45	19.07	19.80
		100	0	19.78	19.55	19.61	19.66	19.04	19.80



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6 Conducted Power of Intra Band LTE Uplink CA

6.1 Conducted Power of LTE Uplink CA (Ant3)

Combination	Modulation	PCC					SCC					State3		State5		State8		State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	19.43	20.50	16.44	17.50	17.41	18.50	15.42	16.50
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	19.54	20.50	16.69	17.50	17.56	18.50	15.50	16.50
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	19.39	20.50	16.54	17.50	17.37	18.50	15.39	16.50
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	19.26	20.50	16.29	17.50	17.23	18.50	15.26	16.50

Combination	Modulation	PCC					SCC					State3		State5		State8		State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	0	38	20	38048	0	0	22.33	23.00	18.90	19.50	20.82	21.50	17.85	18.50
CA_38C	QPSK	38	20	37901	1	0	38	20	38099	0	0	22.42	23.00	18.93	19.50	20.92	21.50	17.94	18.50
CA_38C	QPSK	38	20	38099	1	0	38	20	37901	0	0	22.46	23.00	18.87	19.50	20.91	21.50	17.97	18.50
CA_38C	QPSK	38	20	38150	1	0	38	20	37952	0	0	22.44	23.00	18.92	19.50	20.85	21.50	17.98	18.50

Combination	Modulation	PCC					SCC					State3		State5		State8		State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	0	41	20	39948	0	0	23.32	24.50	18.30	19.50	21.33	22.50	17.28	18.50
CA_41C	QPSK	41	20	40185	1	0	41	20	40383	0	0	23.38	24.50	18.36	19.50	21.42	22.50	17.40	18.50
CA_41C	QPSK	41	20	40620	1	0	41	20	40818	0	0	23.42	24.50	18.39	19.50	21.46	22.50	17.39	18.50
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	0	0	23.46	24.50	18.47	19.50	21.50	22.50	17.51	18.50
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	0	0	23.35	24.50	18.36	19.50	21.32	22.50	17.39	18.50
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	0	0	23.38	24.50	18.33	19.50	21.36	22.50	17.39	18.50

6.2 Conducted Power of LTE Uplink CA (Ant4)

Combination	Modulation	PCC					SCC					State3		State5/10		State8	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	22.17	23.00	24.43	25.00	20.14	21.00
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	22.12	23.00	24.48	25.00	20.16	21.00
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	22.29	23.00	24.53	25.00	20.32	21.00
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	22.16	23.00	24.49	25.00	20.16	21.00

Combination	Modulation	PCC					SCC					State3/5/10		State8	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	0	38	20	38048	0	0	24.41	25.00	23.11	23.50
CA_38C	QPSK	38	20	37901	1	0	38	20	38099	0	0	24.46	25.00	23.12	23.50
CA_38C	QPSK	38	20	38099	1	0	38	20	37901	0	0	24.43	25.00	23.13	23.50
CA_38C	QPSK	38	20	38150	1	0	38	20	37952	0	0	24.52	25.00	23.11	23.50

Combination	Modulation	PCC					SCC					State3/5/8/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	0	41	20	39948	0	0	24.21	25.00
CA_41C	QPSK	41	20	40185	1	0	41	20	40383	0	0	24.23	25.00
CA_41C	QPSK	41	20	40620	1	0	41	20	40818	0	0	24.38	25.00
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	0	0	24.46	25.00
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	0	0	24.15	25.00
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	0	0	24.09	25.00

6.3 Conducted Power of LTE Uplink CA (Ant5)

Combination	Modulation	PCC					SCC					State3		State5		State8		State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	7	20	21048	1	0	22.12	23.30	20.15	21.30	21.69	22.80	19.16	20.30
CA_7C	QPSK	7	20	21100	1	99	7	20	21298	1	0	22.23	23.30	20.21	21.30	21.75	22.80	19.27	20.30
CA_7C	QPSK	7	20	21100	1	0	7	20	20902	1	99	22.18	23.30	20.19	21.30	21.73	22.80	19.18	20.30
CA_7C	QPSK	7	20	21350	1	0	7	20	21152	1	99	22.21	23.30	20.19	21.30	21.71	22.80	19.23	20.30

Combination	Modulation	PCC					SCC					State3/5/10		State10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	0	38	20	38048	0	0	21.95	22.80	21.49	22.30
CA_38C	QPSK	38	20	37901	1	0	38	20	38099	0	0	21.98	22.80	21.48	22.30
CA_38C	QPSK	38	20	38099	1	0	38	20	37901	0	0	22.03	22.80	21.51	22.30
CA_38C	QPSK	38	20	38150	1	0	38	20	37952	0	0	21.96	22.80	21.46	22.30

Combination	Modulation	PCC					SCC					State3/5/8/10	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	0	41	20	39948	0	0	21.86	22.80
CA_41C	QPSK	41	20	40185	1	0	41	20	40383	0	0	21.95	22.80
CA_41C	QPSK	41	20	40620	1	0	41	20	40818	0	0	21.89	22.80
CA_41C	QPSK	41	20	40620	1	0	41	20	40422	0	0	21.92	22.80
CA_41C	QPSK	41	20	41055	1	0	41	20	40857	0	0	21.93	22.80
CA_41C	QPSK	41	20	41490	1	0	41	20	41292	0	0	21.90	22.80

7 Conducted Power of LTE Downlink CA

7.1 Conducted Power of LTE Downlink CA (Ant0)

DL LTE CA Class	PCC							SCC1		SCC2		SCC3		Power		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	Tune Up
CA_5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	/	/	/	/	22.97	23.05	24.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	5M	/	/	/	/	23.03	23.12	24.00
	Band 5	10M	844	20600	QPSK	1	0	Band 5	5M	/	/	/	/	23.21	23.11	24.00
CA_5B	Band 5	10M	829	20450	QPSK	1	0	Band 5	10M	/	/	/	/	22.99	23.01	24.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	/	/	/	/	23.30	23.21	24.00
	Band 5	10M	844	20600	QPSK	1	0	Band 5	10M	/	/	/	/	23.05	23.06	24.00

7.2 Conducted Power of LTE Downlink CA (Ant1)

DL LTE CA Class	PCC							SCC1		SCC2		SCC3		Power		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	Tune Up
CA_5A-5A	Band 5	10M	829	20450	QPSK	1	0	Band 5	5M	/	/	/	/	23.07	23.04	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	5M	/	/	/	/	23.16	23.14	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 5	5M	/	/	/	/	23.10	23.03	25.00
CA_5B	Band 5	10M	829	20450	QPSK	1	0	Band 5	10M	/	/	/	/	22.98	22.98	25.00
	Band 5	10M	836.5	20525	QPSK	1	0	Band 5	10M	/	/	/	/	23.12	23.13	25.00
	Band 5	10M	844	20600	QPSK	1	0	Band 5	10M	/	/	/	/	23.03	23.08	25.00

7.3 Conducted Power of LTE Downlink CA (Ant3)

DL LTE CA Class	PCC							SCC1		SCC2		SCC3		Power DSI		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	Tune Up
CA_2A-2A	Band 2	20M	1860	18700	QPSK	1	0	Band 2	5M	/	/	/	/	23.01	23.06	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	/	/	/	/	23.23	23.15	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 2	5M	/	/	/	/	23.10	23.06	24.00
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	/	/	/	/	23.01	23.06	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	/	/	/	/	23.05	23.07	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 4	20M	/	/	/	/	23.16	23.01	24.00
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	/	/	/	/	24.12	24.14	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	/	/	/	/	24.17	24.19	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	/	/	/	/	24.08	24.02	25.00
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	/	/	/	/	23.14	23.09	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	/	/	/	/	23.19	23.19	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	/	/	/	/	23.05	23.07	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 2	20M	/	/	/	/	24.05	24.07	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	/	/	/	/	24.14	24.22	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 2	20M	/	/	/	/	24.03	24.10	25.00
CA_2A-38A	Band 2	20M	1860	18700	QPSK	1	0	Band 38	20M	/	/	/	/	22.96	23.04	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	/	/	/	/	23.25	23.21	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 38	20M	/	/	/	/	23.00	23.15	24.00
	Band 38	20M	2580	37850	QPSK	1	0	Band 2	20M	/	/	/	/	24.00	24.04	25.00
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	/	/	/	/	24.11	24.19	25.00
	Band 38	20M	2610	38150	QPSK	1	0	Band 2	20M	/	/	/	/	24.08	24.08	25.00
CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	/	/	/	/	24.13	24.06	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	/	/	/	/	24.10	24.17	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	/	/	/	/	24.14	24.06	25.00
CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	/	/	/	/	23.97	24.04	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	/	/	/	/	24.12	24.15	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	/	/	/	/	24.06	24.07	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	/	/	/	/	24.07	24.11	25.00



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	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	/	/	/	/	24.21	24.21	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	/	/	/	/	24.06	24.05	25.00
CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	/	/	/	/	24.11	24.06	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	/	/	/	/	24.20	24.24	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	/	/	/	/	24.03	24.12	25.00
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	24.02	24.12	25.00
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	24.22	24.18	25.00
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	24.01	24.11	25.00
CA_41C	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.03	24.06	25.00
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.17	24.20	25.00
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.06	24.12	25.00
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.11	24.07	25.00
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.08	24.15	25.00
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	/	/	/	/	23.01	22.98	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	/	/	/	/	23.16	23.15	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 4	20M	/	/	/	/	23.10	22.99	24.00
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	/	/	/	/	24.08	24.14	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	/	/	/	/	24.16	24.17	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	/	/	/	/	24.08	24.12	25.00
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	/	/	/	/	23.15	23.15	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	/	/	/	/	23.15	23.22	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	/	/	/	/	23.04	23.08	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 2	20M	/	/	/	/	24.12	24.08	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	/	/	/	/	24.14	24.16	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 2	20M	/	/	/	/	24.05	24.04	25.00
CA_2A-38A	Band 2	20M	1860	18700	QPSK	1	0	Band 38	20M	/	/	/	/	23.01	23.07	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	/	/	/	/	23.13	23.17	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 38	20M	/	/	/	/	23.07	23.16	24.00
	Band 38	20M	2580	37850	QPSK	1	0	Band 2	20M	/	/	/	/	24.04	24.13	25.00
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	/	/	/	/	24.15	24.17	25.00
	Band 38	20M	2610	38150	QPSK	1	0	Band 2	20M	/	/	/	/	24.12	24.02	25.00
CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	Band 7	20M	/	/	23.05	23.11	24.00



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	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 2	20M	/	/	24.12	24.07	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	24.14	24.17	25.00
CA_2A-7A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	23.13	22.97	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	23.10	23.06	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	22.99	23.15	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	24.07	24.14	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	24.24	24.19	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	24.11	24.02	25.00
CA_4A-4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	24.00	24.06	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	24.04	24.09	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	24.19	24.16	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	24.19	24.11	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	23.97	24.07	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	24.29	24.19	25.00
CA_4A-7C	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	24.01	24.02	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	24.12	24.07	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	24.19	24.18	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	23.99	24.07	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	24.01	24.11	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	24.17	24.20	25.00



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7.4 Conducted Power of LTE Downlink CA (Ant4)

DL LTE CA Class	PCC							SCC1		SCC2		SCC3		Power DSI		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	Tune Up
CA_2A-2A	Band 2	20M	1860	18700	QPSK	1	0	Band 2	5M	/	/	/	/	23.04	23.13	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 2	5M	/	/	/	/	23.24	23.07	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 2	5M	/	/	/	/	23.04	23.01	24.00
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	/	/	/	/	23.05	23.02	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	/	/	/	/	22.99	23.05	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 4	20M	/	/	/	/	23.06	23.02	24.00
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	/	/	/	/	24.24	24.18	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	/	/	/	/	24.16	24.18	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	/	/	/	/	24.07	23.98	25.00
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	/	/	/	/	23.04	23.18	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	/	/	/	/	23.11	23.23	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	/	/	/	/	23.16	23.17	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 2	20M	/	/	/	/	24.05	24.10	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	/	/	/	/	24.31	24.31	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 2	20M	/	/	/	/	24.07	24.05	25.00
CA_2A-38A	Band 2	20M	1860	18700	QPSK	1	0	Band 38	20M	/	/	/	/	23.13	23.02	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	/	/	/	/	23.25	23.29	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 38	20M	/	/	/	/	23.05	23.13	24.00
	Band 38	20M	2580	37850	QPSK	1	0	Band 2	20M	/	/	/	/	24.06	23.96	25.00
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	/	/	/	/	24.19	24.15	25.00
	Band 38	20M	2610	38150	QPSK	1	0	Band 2	20M	/	/	/	/	24.02	24.01	25.00
CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	/	/	/	/	24.08	24.05	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	/	/	/	/	24.11	24.16	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	/	/	/	/	24.00	23.99	25.00
CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	/	/	/	/	24.08	24.00	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	/	/	/	/	24.12	24.14	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	/	/	/	/	24.17	24.07	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	/	/	/	/	24.19	24.02	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	/	/	/	/	24.17	24.14	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	/	/	/	/	24.13	24.07	25.00
CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	/	/	/	/	24.09	23.97	25.00



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	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	/	/	/	/	24.14	24.33	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	/	/	/	/	24.06	24.17	25.00
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	24.02	24.16	25.00
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	24.17	24.13	25.00
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	24.07	24.13	25.00
CA_41C	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.06	23.99	25.00
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.27	24.27	25.00
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.10	24.10	25.00
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.16	24.01	25.00
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	24.24	24.12	25.00
CA_2A-4A	Band 2	20M	1860	18700	QPSK	1	0	Band 4	20M	/	/	/	/	22.94	23.05	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	/	/	/	/	23.07	23.13	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 4	20M	/	/	/	/	23.05	23.01	24.00
	Band 4	20M	1720	20050	QPSK	1	0	Band 2	20M	/	/	/	/	24.20	24.24	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 2	20M	/	/	/	/	24.09	24.14	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 2	20M	/	/	/	/	24.21	24.02	25.00
CA_2A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	/	/	/	/	23.09	23.21	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	/	/	/	/	23.29	23.27	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	/	/	/	/	23.15	23.02	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 2	20M	/	/	/	/	24.12	24.09	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	/	/	/	/	24.16	24.13	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 2	20M	/	/	/	/	24.06	24.09	25.00
CA_2A-38A	Band 2	20M	1860	18700	QPSK	1	0	Band 38	20M	/	/	/	/	23.03	23.03	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 38	20M	/	/	/	/	23.10	23.17	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 38	20M	/	/	/	/	23.07	23.22	24.00
	Band 38	20M	2580	37850	QPSK	1	0	Band 2	20M	/	/	/	/	24.08	24.08	25.00
	Band 38	20M	2595	38000	QPSK	1	0	Band 2	20M	/	/	/	/	24.13	24.27	25.00
	Band 38	20M	2610	38150	QPSK	1	0	Band 2	20M	/	/	/	/	24.06	24.04	25.00
CA_2A-4A-7A	Band 2	20M	1880	18900	QPSK	1	0	Band 4	20M	Band 7	20M	/	/	23.02	23.03	24.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 2	20M	/	/	24.01	24.13	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 2	20M	Band 4	20M	/	/	24.08	24.18	25.00
CA_2A-7A-7A	Band 2	20M	1860	18700	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	23.01	23.06	24.00
	Band 2	20M	1880	18900	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	23.11	23.14	24.00
	Band 2	20M	1900	19100	QPSK	1	0	Band 7	20M	Band 7	5M	/	/	23.08	23.06	24.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	24.24	24.13	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	24.25	24.26	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	Band 2	20M	/	/	23.93	24.01	25.00
CA_4A-4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	23.99	24.16	25.00



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	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	24.09	24.08	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	24.20	24.15	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	24.04	24.12	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	24.09	24.05	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	24.28	24.12	25.00
CA_4A-7C	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	23.97	24.00	25.00
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	24.05	23.99	25.00
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	24.21	24.21	25.00
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	24.00	24.08	25.00
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	24.02	24.19	25.00
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	24.29	24.10	25.00



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7.5 Conducted Power of LTE Downlink CA (Ant5)

DL LTE CA Class	PCC							SCC1		SCC2		SCC3		Power DSI		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	LTE Band	BW (MHz)	LTE Band	BW (MHz)	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	Tune Up
CA_4A-4A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	/	/	/	/	22.81	22.78	23.80
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	/	/	/	/	22.63	22.69	23.80
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	/	/	/	/	22.80	22.72	23.80
CA_4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	/	/	/	/	22.74	22.77	23.80
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	/	/	/	/	22.68	22.73	23.80
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	/	/	/	/	22.55	22.62	23.80
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	/	/	/	/	22.19	22.09	23.30
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	/	/	/	/	22.29	22.30	23.30
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	/	/	/	/	22.12	22.17	23.30
CA_7A-7A	Band 7	20M	2510	20850	QPSK	1	0	Band 7	5M	/	/	/	/	22.03	22.04	23.30
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	5M	/	/	/	/	22.19	22.22	23.30
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	5M	/	/	/	/	22.11	22.18	23.30
CA_38C	Band 38	20M	2580	37850	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	21.60	21.69	22.80
	Band 38	20M	2585.1	37901	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	21.67	21.66	22.80
	Band 38	20M	2610	38150	QPSK	1	0	Band 38	20M	Band 38	20M	/	/	21.75	21.76	22.80
CA_41C	Band 41	20M	2506	39750	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	21.77	21.67	22.80
	Band 41	20M	2549.5	40185	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	21.71	21.65	22.80
	Band 41	20M	2593	40620	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	21.84	21.84	22.80
	Band 41	20M	2636.5	41055	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	21.65	21.70	22.80
	Band 41	20M	2680	41490	QPSK	1	0	Band 41	20M	Band 41	20M	/	/	21.76	21.68	22.80
CA_4A-4A-7A	Band 4	20M	1720	20050	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	22.75	22.70	23.80
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	22.53	22.61	23.80
	Band 4	20M	1745	20300	QPSK	1	0	Band 4	5M	Band 7	20M	/	/	22.75	22.80	23.80
	Band 7	20M	2510	20850	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	22.84	22.78	23.30
	Band 7	20M	2535	21100	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	22.64	22.62	23.30
	Band 7	20M	2560	21350	QPSK	1	0	Band 4	20M	Band 4	5M	/	/	22.78	22.70	23.30
CA_4A-7C	Band 4	20M	1720	20050	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	22.87	22.88	23.80
	Band 4	20M	1732.5	20175	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	22.66	22.61	23.80
	Band 4	20M	1745	20300	QPSK	1	0	Band 7	20M	Band 7	20M	/	/	22.71	22.81	23.80
	Band 7	20M	2510	20850	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	22.20	22.12	23.30
	Band 7	20M	2535	21100	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	22.20	22.21	23.30
	Band 7	20M	2560	21350	QPSK	1	0	Band 7	20M	Band 4	20M	/	/	22.18	22.19	23.30

8 Conducted Power of LTE Downlink CA

8.1 Conducted Power of Inter-band_UL_CA (Ant5)

LTE Band 2 state3				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.59	19.33	19.49	20.70
		1	2	19.48	19.23	19.48	20.70
		1	5	19.65	19.39	19.52	20.70
		3	0	19.62	19.41	19.56	20.70
		3	2	19.58	19.33	19.50	20.70
		3	3	19.60	19.31	19.52	20.70
		6	0	19.17	18.89	19.14	20.20
	16QAM	1	0	19.14	18.90	19.03	20.20
		1	2	19.08	18.89	19.11	20.20
		1	5	19.12	18.93	19.05	20.20
		3	0	19.21	18.97	19.08	20.20
		3	2	19.21	18.96	19.07	20.20
		3	3	19.21	18.97	19.04	20.20
		6	0	18.27	18.10	18.24	19.20
	64QAM	1	0	18.25	17.97	18.04	19.20
		1	2	18.28	17.90	18.12	19.20
		1	5	18.17	18.02	18.10	19.20
		3	0	18.18	18.02	18.03	19.20
		3	2	18.14	18.01	18.14	19.20
		3	3	18.16	17.98	18.11	19.20
		6	0	17.15	16.88	17.20	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	19.61	19.33	19.52	20.70
		1	7	19.48	19.36	19.53	20.70
		1	14	19.63	19.33	19.51	20.70
		8	0	19.04	18.85	19.06	20.20
		8	4	19.11	18.84	18.99	20.20
		8	7	19.20	18.99	19.12	20.20
		15	0	19.12	18.90	19.09	20.20
	16QAM	1	0	19.11	18.89	19.02	20.20
		1	7	19.10	18.83	19.04	20.20
		1	14	19.23	18.92	19.11	20.20



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		8	0	18.31	18.04	18.18	19.20
		8	4	18.27	18.03	18.20	19.20
		8	7	18.30	18.00	18.15	19.20
		15	0	18.26	18.04	18.16	19.20
	64QAM	1	0	18.33	17.97	18.09	19.20
		1	7	18.18	17.89	18.08	19.20
		1	14	18.22	17.95	18.12	19.20
		8	0	17.21	16.97	17.08	18.20
		8	4	17.19	16.93	17.07	18.20
		8	7	17.31	16.94	17.19	18.20
		15	0	17.16	16.90	17.09	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	19.61	19.34	19.52	20.70
		1	13	19.43	19.28	19.49	20.70
		1	24	19.62	19.37	19.57	20.70
		12	0	19.13	18.82	19.00	20.20
		12	6	19.13	18.83	18.99	20.20
		12	13	19.13	18.93	19.01	20.20
		25	0	19.11	18.89	19.05	20.20
	16QAM	1	0	19.06	18.91	19.10	20.20
		1	13	19.15	18.92	19.05	20.20
		1	24	19.15	18.98	19.07	20.20
		12	0	18.22	17.98	18.20	19.20
		12	6	18.29	18.00	18.19	19.20
		12	13	18.30	18.00	18.18	19.20
		25	0	18.26	18.01	18.23	19.20
	64QAM	1	0	18.32	17.99	18.17	19.20
		1	13	18.21	17.93	18.05	19.20
		1	24	18.19	18.04	18.10	19.20
		12	0	17.18	16.89	17.02	18.20
		12	6	17.10	16.88	17.06	18.20
		12	13	17.25	16.96	17.18	18.20
		25	0	17.20	16.98	17.12	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.50	19.30	19.55	20.70
		1	25	19.39	19.21	19.36	20.70
		1	49	19.65	19.31	19.51	20.70



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		25	0	19.06	18.87	19.04	20.20
		25	13	19.06	18.83	19.00	20.20
		25	25	19.09	18.92	19.04	20.20
		50	0	19.14	19.00	19.10	20.20
	16QAM	1	0	19.01	18.87	19.00	20.20
		1	25	19.02	18.87	19.04	20.20
		1	49	19.08	18.88	19.04	20.20
		25	0	18.22	17.88	18.11	19.20
		25	13	18.19	17.98	18.17	19.20
		25	25	18.24	18.01	18.19	19.20
		50	0	18.19	17.95	18.27	19.20
	64QAM	1	0	18.17	17.86	18.00	19.20
		1	25	18.24	17.96	18.07	19.20
		1	49	18.25	17.94	18.10	19.20
		25	0	17.10	16.85	16.97	18.20
		25	13	17.08	16.79	17.06	18.20
		25	25	17.29	17.00	17.22	18.20
		50	0	17.12	16.86	17.09	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.59	19.33	19.59	20.70
		1	38	19.47	19.29	19.42	20.70
		1	74	19.68	19.37	19.55	20.70
		36	0	19.11	18.96	19.07	20.20
		36	18	19.11	18.84	19.01	20.20
		36	39	19.13	18.92	19.08	20.20
		75	0	19.21	18.99	19.12	20.20
	16QAM	1	0	19.08	18.88	19.03	20.20
		1	38	19.11	18.82	19.03	20.20
		1	74	19.13	18.92	19.11	20.20
		36	0	18.26	18.00	18.12	19.20
		36	18	18.33	18.05	18.17	19.20
		36	39	18.31	17.99	18.19	19.20
		75	0	18.27	18.02	18.26	19.20
	64QAM	1	0	18.25	17.96	18.10	19.20
		1	38	18.21	17.94	18.14	19.20
		1	74	18.26	18.01	18.10	19.20
		36	0	17.17	16.87	17.02	18.20
		36	18	17.17	16.91	17.13	18.20



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		36	39	17.32	17.01	17.19	18.20
		75	0	17.14	16.94	17.15	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	19.67	19.36	19.57	20.70
		1	50	19.52	19.36	19.50	20.70
		1	99	19.65	19.40	19.56	20.70
		50	0	19.17	18.89	19.06	20.20
		50	25	19.15	18.93	18.99	20.20
		50	50	19.19	18.96	19.15	20.20
		100	0	19.24	19.04	19.18	20.20
	16QAM	1	0	19.15	18.97	19.10	20.20
		1	50	19.11	18.91	19.09	20.20
		1	99	19.26	19.02	19.19	20.20
		50	0	18.32	18.00	18.22	19.20
		50	25	18.33	18.07	18.29	19.20
		50	50	18.37	18.08	18.20	19.20
		100	0	18.33	18.05	18.28	19.20
	64QAM	1	0	18.26	17.97	18.15	19.20
		1	50	18.26	18.03	18.12	19.20
		1	99	18.22	18.08	18.17	19.20
		50	0	17.29	16.99	17.07	18.20
		50	25	17.21	16.96	17.15	18.20
		50	50	17.34	17.04	17.24	18.20
		100	0	17.20	17.02	17.20	18.20

LTE Band 2 state5/8				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	17.55	17.34	17.49	18.70
		1	2	17.49	17.24	17.43	18.70
		1	5	17.68	17.41	17.51	18.70
		3	0	17.63	17.36	17.58	18.70
		3	2	17.64	17.43	17.55	18.70
		3	3	17.60	17.39	17.54	18.70
		6	0	17.62	17.37	17.60	18.70
	16QAM	1	0	17.66	17.40	17.54	18.70



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		1	2	17.64	17.38	17.52	18.70
		1	5	17.68	17.39	17.57	18.70
		3	0	17.65	17.35	17.60	18.70
		3	2	17.61	17.42	17.58	18.70
		3	3	17.64	17.36	17.58	18.70
		6	0	17.60	17.43	17.58	18.70
	64QAM	1	0	17.67	17.41	17.56	18.70
		1	2	17.60	17.43	17.59	18.70
		1	5	17.64	17.43	17.58	18.70
		3	0	17.68	17.36	17.52	18.70
		3	2	17.60	17.37	17.54	18.70
		3	3	17.68	17.37	17.58	18.70
		6	0	17.18	16.93	17.13	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	17.60	17.43	17.56	18.70
		1	7	17.60	17.41	17.53	18.70
		1	14	17.65	17.38	17.58	18.70
		8	0	17.63	17.36	17.55	18.70
		8	4	17.64	17.37	17.57	18.70
		8	7	17.64	17.43	17.52	18.70
		15	0	17.68	17.37	17.54	18.70
	16QAM	1	0	17.60	17.39	17.53	18.70
		1	7	17.68	17.43	17.59	18.70
		1	14	17.66	17.35	17.60	18.70
		8	0	17.68	17.41	17.58	18.70
		8	4	17.67	17.37	17.55	18.70
		8	7	17.66	17.38	17.56	18.70
		15	0	17.64	17.39	17.52	18.70
	64QAM	1	0	17.62	17.38	17.53	18.70
		1	7	17.62	17.38	17.52	18.70
		1	14	17.66	17.40	17.52	18.70
		8	0	17.22	16.94	17.03	18.20
		8	4	17.18	16.95	17.08	18.20
		8	7	17.23	16.93	17.16	18.20
		15	0	17.19	16.93	17.07	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.62	17.41	17.60	18.70



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		1	13	17.63	17.38	17.56	18.70
		1	24	17.66	17.41	17.60	18.70
		12	0	17.64	17.42	17.53	18.70
		12	6	17.66	17.42	17.60	18.70
		12	13	17.61	17.37	17.60	18.70
		25	0	17.60	17.37	17.53	18.70
	16QAM	1	0	17.68	17.36	17.58	18.70
		1	13	17.61	17.42	17.53	18.70
		1	24	17.68	17.40	17.52	18.70
		12	0	17.61	17.35	17.59	18.70
		12	6	17.68	17.41	17.52	18.70
		12	13	17.60	17.42	17.58	18.70
	64QAM	25	0	17.64	17.41	17.55	18.70
		1	0	17.62	17.43	17.53	18.70
		1	13	17.67	17.39	17.59	18.70
		1	24	17.62	17.42	17.55	18.70
		12	0	17.25	16.92	17.05	18.20
		12	6	17.08	16.86	17.03	18.20
		12	13	17.24	16.98	17.18	18.20
		25	0	17.16	17.00	17.14	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	17.62	17.36	17.57	18.70
		1	25	17.66	17.35	17.60	18.70
		1	49	17.62	17.37	17.58	18.70
		25	0	17.62	17.36	17.55	18.70
		25	13	17.67	17.36	17.60	18.70
		25	25	17.60	17.43	17.58	18.70
	16QAM	50	0	17.62	17.37	17.59	18.70
		1	0	17.64	17.43	17.58	18.70
		1	25	17.66	17.41	17.59	18.70
		1	49	17.60	17.37	17.55	18.70
		25	0	17.66	17.40	17.60	18.70
		25	13	17.66	17.42	17.57	18.70
	64QAM	25	25	17.65	17.37	17.57	18.70
		50	0	17.65	17.37	17.54	18.70
		1	0	17.61	17.36	17.55	18.70
		1	25	17.62	17.41	17.55	18.70
		1	49	17.61	17.40	17.58	18.70



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		25	0	17.07	16.85	17.04	18.20
		25	13	17.13	16.85	17.00	18.20
		25	25	17.25	17.05	17.22	18.20
		50	0	17.11	16.92	17.08	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.62	17.42	17.52	18.70
		1	38	17.60	17.42	17.53	18.70
		1	74	17.67	17.39	17.60	18.70
		36	0	17.61	17.35	17.56	18.70
		36	18	17.63	17.40	17.56	18.70
		36	39	17.61	17.43	17.55	18.70
		75	0	17.64	17.36	17.56	18.70
	16QAM	1	0	17.60	17.36	17.55	18.70
		1	38	17.65	17.37	17.54	18.70
		1	74	17.60	17.38	17.55	18.70
		36	0	17.65	17.40	17.56	18.70
		36	18	17.62	17.40	17.60	18.70
		36	39	17.62	17.36	17.60	18.70
		75	0	17.65	17.39	17.56	18.70
	64QAM	1	0	17.67	17.43	17.58	18.70
		1	38	17.63	17.40	17.53	18.70
		1	74	17.63	17.37	17.55	18.70
		36	0	17.17	16.89	16.98	18.20
		36	18	17.13	16.92	17.09	18.20
		36	39	17.27	17.09	17.18	18.20
		75	0	17.22	16.94	17.10	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.68	17.37	17.55	18.70
		1	50	17.65	17.36	17.56	18.70
		1	99	17.65	17.35	17.57	18.70
		50	0	17.64	17.37	17.55	18.70
		50	25	17.68	17.38	17.57	18.70
		50	50	17.63	17.38	17.54	18.70
		100	0	17.64	17.43	17.52	18.70
	16QAM	1	0	17.61	17.41	17.59	18.70
		1	50	17.61	17.37	17.55	18.70
		1	99	17.61	17.43	17.56	18.70



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		50	0	17.66	17.40	17.52	18.70
		50	25	17.60	17.40	17.52	18.70
		50	50	17.61	17.42	17.57	18.70
		100	0	17.67	17.40	17.54	18.70
	64QAM	1	0	17.62	17.41	17.60	18.70
		1	50	17.65	17.41	17.52	18.70
		1	99	17.65	17.36	17.52	18.70
		50	0	17.25	16.96	17.11	18.20
		50	25	17.18	16.92	17.14	18.20
		50	50	17.31	17.07	17.22	18.20
		100	0	17.21	17.00	17.18	18.20

LTE Band 2 state10				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	16.52	16.33	16.49	17.70
		1	2	16.50	16.28	16.46	17.70
		1	5	16.68	16.42	16.53	17.70
		3	0	16.61	16.35	16.55	17.70
		3	2	16.63	16.30	16.48	17.70
		3	3	16.66	16.34	16.53	17.70
		6	0	16.49	16.22	16.49	17.70
	16QAM	1	0	16.48	16.22	16.46	17.70
		1	2	16.44	16.22	16.42	17.70
		1	5	16.49	16.22	16.49	17.70
		3	0	16.47	16.22	16.42	17.70
		3	2	16.46	16.26	16.49	17.70
		3	3	16.50	16.25	16.46	17.70
		6	0	16.44	16.25	16.47	17.70
	64QAM	1	0	16.47	16.27	16.44	17.70
		1	2	16.44	16.22	16.48	17.70
		1	5	16.46	16.21	16.48	17.70
		3	0	16.45	16.24	16.46	17.70
		3	2	16.46	16.27	16.46	17.70
		3	3	16.47	16.22	16.48	17.70
		6	0	16.49	16.25	16.48	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				18615	18900	19185	
3MHz	QPSK	1	0	16.52	16.22	16.49	17.70
		1	7	16.50	16.23	16.41	17.70
		1	14	16.50	16.20	16.41	17.70
		8	0	16.52	16.21	16.46	17.70
		8	4	16.46	16.27	16.48	17.70
		8	7	16.47	16.25	16.43	17.70
		15	0	16.47	16.22	16.45	17.70
	16QAM	1	0	16.45	16.21	16.49	17.70
		1	7	16.47	16.21	16.45	17.70
		1	14	16.50	16.21	16.46	17.70
		8	0	16.51	16.27	16.45	17.70
		8	4	16.49	16.28	16.45	17.70
		8	7	16.47	16.27	16.45	17.70
		15	0	16.47	16.21	16.45	17.70
	64QAM	1	0	16.46	16.27	16.44	17.70
		1	7	16.47	16.24	16.42	17.70
		1	14	16.50	16.22	16.46	17.70
		8	0	16.51	16.27	16.45	17.70
		8	4	16.49	16.25	16.42	17.70
		8	7	16.47	16.26	16.42	17.70
		15	0	16.50	16.28	16.44	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	16.52	16.20	16.48	17.70
		1	13	16.49	16.27	16.42	17.70
		1	24	16.44	16.27	16.43	17.70
		12	0	16.44	16.24	16.44	17.70
		12	6	16.44	16.21	16.47	17.70
		12	13	16.51	16.22	16.46	17.70
		25	0	16.51	16.21	16.41	17.70
	16QAM	1	0	16.47	16.23	16.46	17.70
		1	13	16.51	16.20	16.44	17.70
		1	24	16.50	16.23	16.45	17.70
		12	0	16.44	16.27	16.48	17.70
		12	6	16.52	16.20	16.42	17.70
		12	13	16.52	16.26	16.41	17.70
		25	0	16.48	16.21	16.41	17.70
	64QAM	1	0	16.52	16.21	16.47	17.70



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		1	13	16.49	16.27	16.44	17.70
		1	24	16.46	16.26	16.42	17.70
		12	0	16.50	16.21	16.45	17.70
		12	6	16.45	16.23	16.45	17.70
		12	13	16.45	16.26	16.41	17.70
		25	0	16.48	16.20	16.42	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	16.52	16.28	16.42	17.70
		1	25	16.52	16.25	16.42	17.70
		1	49	16.45	16.22	16.46	17.70
		25	0	16.47	16.27	16.47	17.70
		25	13	16.49	16.23	16.43	17.70
		25	25	16.48	16.23	16.48	17.70
		50	0	16.49	16.26	16.41	17.70
	16QAM	1	0	16.49	16.23	16.43	17.70
		1	25	16.48	16.20	16.45	17.70
		1	49	16.50	16.24	16.42	17.70
		25	0	16.48	16.20	16.45	17.70
		25	13	16.49	16.22	16.43	17.70
		25	25	16.49	16.22	16.42	17.70
		50	0	16.46	16.20	16.45	17.70
	64QAM	1	0	16.52	16.21	16.42	17.70
		1	25	16.44	16.24	16.43	17.70
		1	49	16.45	16.21	16.47	17.70
		25	0	16.52	16.20	16.46	17.70
		25	13	16.50	16.26	16.46	17.70
		25	25	16.52	16.28	16.47	17.70
		50	0	16.48	16.28	16.47	17.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	16.51	16.24	16.49	17.70
		1	38	16.44	16.26	16.48	17.70
		1	74	16.49	16.26	16.42	17.70
		36	0	16.52	16.25	16.41	17.70
		36	18	16.51	16.23	16.48	17.70
		36	39	16.46	16.23	16.42	17.70
		75	0	16.47	16.24	16.47	17.70
	16QAM	1	0	16.45	16.23	16.46	17.70



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		1	38	16.51	16.24	16.45	17.70
		1	74	16.51	16.22	16.46	17.70
		36	0	16.44	16.28	16.41	17.70
		36	18	16.48	16.27	16.45	17.70
		36	39	16.52	16.20	16.42	17.70
		75	0	16.48	16.25	16.48	17.70
	64QAM	1	0	16.48	16.28	16.48	17.70
		1	38	16.49	16.21	16.42	17.70
		1	74	16.48	16.27	16.41	17.70
		36	0	16.48	16.25	16.47	17.70
		36	18	16.44	16.25	16.46	17.70
		36	39	16.46	16.22	16.44	17.70
		75	0	16.45	16.25	16.48	17.70
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
					18700	18900	19100
20MHz	QPSK	1	0	16.44	16.27	16.42	17.70
		1	50	16.49	16.21	16.43	17.70
		1	99	16.52	16.27	16.42	17.70
		50	0	16.45	16.24	16.48	17.70
		50	25	16.45	16.25	16.43	17.70
		50	50	16.48	16.24	16.47	17.70
		100	0	16.46	16.26	16.45	17.70
	16QAM	1	0	16.44	16.26	16.47	17.70
		1	50	16.51	16.20	16.42	17.70
		1	99	16.52	16.28	16.43	17.70
		50	0	16.49	16.21	16.46	17.70
		50	25	16.45	16.28	16.47	17.70
		50	50	16.46	16.25	16.41	17.70
		100	0	16.49	16.28	16.43	17.70
	64QAM	1	0	16.52	16.25	16.49	17.70
		1	50	16.47	16.24	16.46	17.70
		1	99	16.50	16.21	16.49	17.70
		50	0	16.52	16.24	16.41	17.70
		50	25	16.50	16.27	16.41	17.70
		50	50	16.51	16.27	16.45	17.70
		100	0	16.51	16.28	16.47	17.70



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9 Conducted Power of WIFI and Bluetooth

9.1 Conducted Power of 2.4G WIFI

2.4G WIFI Ant8 Receiver off Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	17.81	18.50
	2	2417		18.73	19.50
	6	2437		19.14	19.50
	11	2462		18.76	19.50
802.11g	1	2412	6	16.14	17.00
	6	2437		19.00	19.50
	11	2462		15.13	16.00
802.11n HT20	1	2412	6.5	15.03	16.00
	6	2437		18.83	19.50
	11	2462		16.42	17.50
802.11n HT40	3	2422	13.5	13.97	14.50
	6	2437		19.32	19.50
	9	2452		15.07	15.50
802.11ac VHT20	1	2412	MCS0	15.04	16.00
	6	2437		18.84	19.50
	11	2462		18.41	19.50
802.11ac VHT40	3	2422	MCS0	14.01	14.50
	6	2437		18.34	19.50
	9	2452		15.03	15.50

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2.4G WIFI Ant8 Receicer on Standalone					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	13.82	14.50
	2	2417		14.75	15.50
	6	2437		15.20	15.50
	11	2462		14.78	15.50
802.11g	1	2412	6	12.18	13.00
	6	2437		15.03	15.50
	11	2462		11.17	12.00
802.11n HT20	1	2412	6.5	11.08	12.00
	6	2437		14.85	15.50
	11	2462		12.45	13.50
802.11n HT40	3	2422	13.5	10.05	10.50
	6	2437		15.41	15.50
	9	2452		11.15	11.50
802.11ac VHT20	1	2412	MCS0	11.13	12.00
	6	2437		14.90	15.50
	11	2462		14.45	15.50
802.11ac VHT40	3	2422	MCS0	10.09	10.50
	6	2437		14.41	15.50
	9	2452		11.11	11.50



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2.4G WIFI Ant8 Receiver off Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	15.37	16.00
	2	2417		16.24	17.00
	6	2437		16.67	17.00
	11	2462		16.30	17.00
802.11g	1	2412	6	13.66	14.50
	6	2437		16.54	17.00
	11	2462		12.69	13.50
802.11n HT20	1	2412	6.5	12.54	13.50
	6	2437		16.35	17.00
	11	2462		13.98	15.00
802.11n HT40	3	2422	13.5	11.49	12.00
	6	2437		16.91	17.00
	9	2452		12.58	13.00
802.11ac VHT20	1	2412	MCS0	12.61	13.50
	6	2437		16.43	17.00
	11	2462		15.93	17.00
802.11ac VHT40	3	2422	MCS0	11.58	12.00
	6	2437		15.89	17.00
	9	2452		12.61	13.00



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2.4G WIFI Ant8 Receiver on Simultaneous transmission					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	11.86	12.50
	2	2417		12.74	13.50
	6	2437		13.21	13.50
	11	2462		12.77	13.50
802.11g	1	2412	6	10.21	11.00
	6	2437		13.08	13.50
	11	2462		9.15	10.00
802.11n HT20	1	2412	6.5	9.05	10.00
	6	2437		12.89	13.50
	11	2462		10.50	11.50
802.11n HT40	3	2422	13.5	8.00	8.50
	6	2437		13.34	13.50
	9	2452		9.16	9.50
802.11ac VHT20	1	2412	MCS0	9.07	10.00
	6	2437		12.92	13.50
	11	2462		12.48	13.50
802.11ac VHT40	3	2422	MCS0	8.05	8.50
	6	2437		12.39	13.50
	9	2452		9.07	9.50



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9.2 Conducted Power of 5G WIFI

5G WIFI Ant8 Receiver off Standalone					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.52	19.00
		40	5200	17.48	19.00
		44	5220	17.55	19.00
		48	5240	17.30	19.00
	802.11n HT20	36	5180	17.44	19.00
		40	5200	17.26	19.00
		44	5220	17.45	19.00
		48	5240	17.12	19.00
	802.11n HT40	38	5190	17.09	19.00
		46	5230	17.05	19.00
	802.11ac VHT20	36	5180	17.44	19.00
		40	5200	17.33	19.00
		44	5220	17.16	19.00
		48	5240	17.13	19.00
	802.11ac VHT40	38	5190	17.13	19.00
		46	5230	17.06	19.00
	802.11ac VHT80	42	5210	15.95	17.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	17.21	19.00
		56	5280	17.46	19.00
		60	5300	17.45	19.00
		64	5320	16.51	18.00
	802.11n HT20	52	5260	17.01	19.00
		56	5280	17.08	19.00
		60	5300	17.10	19.00
		64	5320	16.11	18.00
	802.11n HT40	54	5270	17.06	19.00
		62	5310	17.09	19.00
	802.11ac VHT20	52	5260	17.17	19.00
		56	5280	17.11	19.00
		60	5300	17.08	19.00
		64	5320	16.07	18.00
	802.11ac VHT40	54	5270	17.12	19.00
		62	5310	17.07	19.00
	802.11ac VHT80	58	5290	12.19	14.00



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	17.70	19.00
		104	5520	17.66	19.00
		108	5540	17.75	19.00
		112	5560	17.78	19.00
		116	5580	18.08	19.00
		120	5600	18.18	19.00
		124	5620	18.15	19.00
		128	5640	18.09	19.00
		132	5660	18.14	19.00
		136	5680	18.20	19.00
		140	5700	18.25	19.00
	802.11n HT20	100	5500	15.91	17.50
		104	5520	17.78	19.00
		108	5540	17.85	19.00
		112	5560	17.89	19.00
		116	5580	17.88	19.00
		120	5600	17.85	19.00
		124	5620	17.92	19.00
		128	5640	17.95	19.00
		132	5660	18.05	19.00
		136	5680	18.04	19.00
		140	5700	18.14	19.00
	802.11n HT40	102	5510	16.28	18.00
		110	5550	17.09	19.00
		118	5590	17.15	19.00
		126	5630	17.14	19.00
		134	5670	17.19	19.00
	802.11ac VHT20	100	5500	15.91	17.50
		104	5520	17.95	19.00
		108	5540	17.88	19.00
		112	5560	17.87	19.00
		116	5580	17.90	19.00
		120	5600	17.95	19.00
		124	5620	17.94	19.00
		128	5640	17.99	19.00
		132	5660	18.05	19.00
		136	5680	18.04	19.00
		140	5700	18.14	19.00
	802.11ac VHT40	102	5510	15.95	17.50
		110	5550	17.23	19.00



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		118	5590	17.26	19.00
		126	5630	17.31	19.00
		134	5670	17.13	19.00
	802.11ac VHT80	106	5530	13.67	14.50
		122	5610	18.19	19.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	18.43	19.00
		153	5765	18.51	19.00
		157	5785	18.56	19.00
		161	5805	18.55	19.00
		165	5825	18.59	19.00
	802.11n HT20	149	5745	18.22	19.00
		153	5765	18.35	19.00
		157	5785	18.38	19.00
		161	5805	18.41	19.00
		165	5825	18.40	19.00
	802.11n HT40	151	5755	17.02	18.50
		159	5795	17.33	18.50
	802.11ac VHT20	149	5745	18.22	19.00
		153	5765	18.15	19.00
		157	5785	18.38	19.00
		161	5805	18.45	19.00
		165	5825	18.39	19.00
	802.11ac VHT40	151	5755	17.06	18.50
		159	5795	17.31	18.50
	802.11ac VHT80	155	5775	16.60	17.50



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5G WIFI Ant8 Receiver on Standalone&Receiver off 5G WIFI+BT					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.10	18.50
		40	5200	17.04	18.50
		44	5220	17.09	18.50
		48	5240	16.82	18.50
	802.11n HT20	36	5180	16.97	18.50
		40	5200	16.78	18.50
		44	5220	17.04	18.50
		48	5240	16.71	18.50
	802.11n HT40	38	5190	16.67	18.50
		46	5230	16.60	18.50
	802.11ac VHT20	36	5180	17.01	18.50
		40	5200	16.85	18.50
		44	5220	16.74	18.50
		48	5240	16.67	18.50
	802.11ac VHT40	38	5190	16.71	18.50
		46	5230	16.57	18.50
	802.11ac VHT80	42	5210	15.49	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.77	18.50
		56	5280	16.99	18.50
		60	5300	16.97	18.50
		64	5320	16.03	17.50
	802.11n HT20	52	5260	16.53	18.50
		56	5280	16.64	18.50
		60	5300	16.69	18.50
		64	5320	15.69	17.50
	802.11n HT40	54	5270	16.63	18.50
		62	5310	16.69	18.50
	802.11ac VHT20	52	5260	16.70	18.50
		56	5280	16.69	18.50
		60	5300	16.64	18.50
		64	5320	15.66	17.50
	802.11ac VHT40	54	5270	16.67	18.50
		62	5310	16.61	18.50
	802.11ac VHT80	58	5290	11.75	13.50



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5GHz	Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	17.26	18.50
		104	17.21	18.50
		108	17.26	18.50
		112	17.37	18.50
		116	17.60	18.50
		120	17.72	18.50
		124	17.67	18.50
		128	17.61	18.50
		132	17.72	18.50
		136	17.78	18.50
		140	17.84	18.50
	802.11n HT20	100	15.42	17.00
		104	17.31	18.50
		108	17.39	18.50
		112	17.46	18.50
		116	17.41	18.50
		120	17.39	18.50
		124	17.45	18.50
		128	17.54	18.50
		132	17.59	18.50
		136	17.63	18.50
		140	17.65	18.50
	802.11n HT40	102	15.83	17.50
		110	16.63	18.50
		118	16.69	18.50
		126	16.67	18.50
		134	16.70	18.50
	802.11ac VHT20	100	15.45	17.00
		104	17.52	18.50
		108	17.44	18.50
		112	17.46	18.50
		116	17.42	18.50
		120	17.48	18.50
		124	17.51	18.50
		128	17.51	18.50
		132	17.64	18.50
		136	17.57	18.50
		140	17.70	18.50
		102	15.47	17.00



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	802.11ac VHT40	110	5550	16.74	18.50
		118	5590	16.80	18.50
		126	5630	16.83	18.50
		134	5670	16.69	18.50
	802.11ac VHT80	106	5530	13.18	14.00
		122	5610	17.72	18.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	17.95	18.50
		153	5765	18.07	18.50
		157	5785	18.12	18.50
		161	5805	18.06	18.50
		165	5825	18.14	18.50
	802.11n HT20	149	5745	17.73	18.50
		153	5765	17.91	18.50
		157	5785	17.93	18.50
		161	5805	17.98	18.50
		165	5825	17.98	18.50
	802.11n HT40	151	5755	16.57	18.00
		159	5795	16.90	18.00
	802.11ac VHT20	149	5745	17.75	18.50
		153	5765	17.70	18.50
		157	5785	17.96	18.50
		161	5805	17.98	18.50
		165	5825	17.94	18.50
	802.11ac VHT40	151	5755	16.60	18.00
		159	5795	16.88	18.00
	802.11ac VHT80	155	5775	16.12	17.00



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5G WIFI Ant8 Receiver on 5G WIFI+WWAN					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	14.58	16.00
		40	5200	14.53	16.00
		44	5220	14.61	16.00
		48	5240	14.36	16.00
	802.11n HT20	36	5180	14.45	16.00
		40	5200	14.34	16.00
		44	5220	14.53	16.00
		48	5240	14.21	16.00
	802.11n HT40	38	5190	14.16	16.00
		46	5230	14.11	16.00
	802.11ac VHT20	36	5180	14.46	16.00
		40	5200	14.37	16.00
		44	5220	14.25	16.00
		48	5240	14.21	16.00
	802.11ac VHT40	38	5190	14.17	16.00
		46	5230	14.14	16.00
	802.11ac VHT80	42	5210	12.96	14.50
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	14.22	16.00
		56	5280	14.51	16.00
		60	5300	14.52	16.00
		64	5320	13.53	15.00
	802.11n HT20	52	5260	14.04	16.00
		56	5280	14.11	16.00
		60	5300	14.19	16.00
		64	5320	13.15	15.00
	802.11n HT40	54	5270	14.12	16.00
		62	5310	14.15	16.00
	802.11ac VHT20	52	5260	14.23	16.00
		56	5280	14.14	16.00
		60	5300	14.16	16.00
		64	5320	13.09	15.00
	802.11ac VHT40	54	5270	14.15	16.00
		62	5310	14.11	16.00



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	802.11ac VHT80	58	5290	9.24	11.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	14.77	16.00
		104	5520	14.73	16.00
		108	5540	14.80	16.00
		112	5560	14.85	16.00
		116	5580	15.09	16.00
		120	5600	15.24	16.00
		124	5620	15.23	16.00
		128	5640	15.18	16.00
		132	5660	15.22	16.00
		136	5680	15.25	16.00
		140	5700	15.29	16.00
	802.11n HT20	100	5500	12.97	14.50
		104	5520	14.79	16.00
		108	5540	14.92	16.00
		112	5560	14.95	16.00
		116	5580	14.97	16.00
		120	5600	14.92	16.00
		124	5620	15.00	16.00
		128	5640	14.97	16.00
		132	5660	15.06	16.00
		136	5680	15.05	16.00
		140	5700	15.21	16.00
	802.11n HT40	102	5510	13.34	15.00
		110	5550	14.15	16.00
		118	5590	14.19	16.00
		126	5630	14.21	16.00
		134	5670	14.24	16.00
	802.11ac VHT20	100	5500	13.00	14.50
		104	5520	15.03	16.00
		108	5540	14.97	16.00
		112	5560	14.96	16.00
		116	5580	14.91	16.00
		120	5600	14.98	16.00
		124	5620	15.01	16.00
		128	5640	15.05	16.00
		132	5660	15.14	16.00
		136	5680	15.08	16.00



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		140	5700	15.15	16.00
	802.11ac VHT40	102	5510	12.96	14.50
		110	5550	14.27	16.00
		118	5590	14.32	16.00
		126	5630	14.32	16.00
		134	5670	14.19	16.00
	802.11ac VHT80	106	5530	10.75	11.50
		122	5610	15.21	16.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.51	16.00
		153	5765	15.57	16.00
		157	5785	15.61	16.00
		161	5805	15.56	16.00
		165	5825	15.60	16.00
	802.11n HT20	149	5745	15.29	16.00
		153	5765	15.37	16.00
		157	5785	15.47	16.00
		161	5805	15.50	16.00
		165	5825	15.49	16.00
	802.11n HT40	151	5755	14.05	15.50
		159	5795	14.37	15.50
	802.11ac VHT20	149	5745	15.31	16.00
		153	5765	15.22	16.00
		157	5785	15.45	16.00
		161	5805	15.51	16.00
		165	5825	15.46	16.00
	802.11ac VHT40	151	5755	14.14	15.50
		159	5795	14.37	15.50
	802.11ac VHT80	155	5775	13.67	14.50



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5G WIFI Ant8 Receiver off 5G WIFI+WWAN+BT&Receiver on 5G WIFI+WWAN+BT					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	13.11	14.50
		40	5200	12.99	14.50
		44	5220	13.06	14.50
		48	5240	12.85	14.50
	802.11n HT20	36	5180	13.02	14.50
		40	5200	12.78	14.50
		44	5220	12.98	14.50
		48	5240	12.70	14.50
	802.11n HT40	38	5190	12.71	14.50
		46	5230	12.64	14.50
	802.11ac VHT20	36	5180	12.99	14.50
		40	5200	12.89	14.50
		44	5220	12.71	14.50
		48	5240	12.66	14.50
	802.11ac VHT40	38	5190	12.67	14.50
		46	5230	12.58	14.50
	802.11ac VHT80	42	5210	11.51	13.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	12.75	14.50
		56	5280	13.01	14.50
		60	5300	12.96	14.50
		64	5320	12.03	13.50
	802.11n HT20	52	5260	12.60	14.50
		56	5280	12.66	14.50
		60	5300	12.61	14.50
		64	5320	11.66	13.50
	802.11n HT40	54	5270	12.61	14.50
		62	5310	12.68	14.50
	802.11ac VHT20	52	5260	12.75	14.50
		56	5280	12.70	14.50
		60	5300	12.60	14.50
		64	5320	11.60	13.50
	802.11ac VHT40	54	5270	12.68	14.50
		62	5310	12.64	14.50
	802.11ac VHT80	58	5290	7.73	9.50



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5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	13.24	14.50
		104	5520	13.21	14.50
		108	5540	13.27	14.50
		112	5560	13.35	14.50
		116	5580	13.62	14.50
		120	5600	13.72	14.50
		124	5620	13.71	14.50
		128	5640	13.62	14.50
		132	5660	13.73	14.50
		136	5680	13.73	14.50
		140	5700	13.77	14.50
	802.11n HT20	100	5500	11.46	13.00
		104	5520	13.36	14.50
		108	5540	13.39	14.50
		112	5560	13.45	14.50
		116	5580	13.45	14.50
		120	5600	13.43	14.50
		124	5620	13.43	14.50
		128	5640	13.50	14.50
		132	5660	13.61	14.50
		136	5680	13.62	14.50
		140	5700	13.73	14.50
	802.11n HT40	102	5510	11.86	13.50
		110	5550	12.63	14.50
		118	5590	12.69	14.50
		126	5630	12.71	14.50
		134	5670	12.72	14.50
	802.11ac VHT20	100	5500	11.46	13.00
		104	5520	13.52	14.50
		108	5540	13.40	14.50
		112	5560	13.41	14.50
		116	5580	13.48	14.50
		120	5600	13.51	14.50
		124	5620	13.52	14.50
		128	5640	13.51	14.50
		132	5660	13.56	14.50
		136	5680	13.58	14.50
		140	5700	13.68	14.50
		102	5510	11.53	13.00



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	802.11ac VHT40	110	5550	12.78	14.50
		118	5590	12.77	14.50
		126	5630	12.82	14.50
		134	5670	12.70	14.50
	802.11ac VHT80	106	5530	9.18	10.00
		122	5610	13.72	14.50
	5GHz	Channel	Frequency(MHz)	Average Power (dBm)	Tune up
	5GHz UNII-3	149	5745	13.94	14.50
		153	5765	14.06	14.50
		157	5785	14.15	14.50
		161	5805	14.06	14.50
		165	5825	14.11	14.50
		149	5745	13.75	14.50
		153	5765	13.89	14.50
		157	5785	13.96	14.50
		161	5805	13.95	14.50
		165	5825	13.96	14.50
		151	5755	12.59	14.00
		159	5795	12.89	14.00
		149	5745	13.81	14.50
		153	5765	13.67	14.50
		157	5785	13.91	14.50
		161	5805	13.99	14.50
		165	5825	13.90	14.50
		151	5755	12.60	14.00
		159	5795	12.86	14.00
		155	5775	12.12	13.00



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9.3 Conducted Power of Bluetooth

BT Ant8 Receiver off		Average Conducted Power(dBm)					
Band	Channel	0	Tune up	39	Tune up	78	Tune up
BT	GFSK	17.35	18	17.65	18	16.15	18
	$\pi/4$ DQPSK	13.27	14	13.57	14	12.30	14
	8DPSK	11.92	13	12.38	13	11.18	12
Band	Channel	0	Tune up	19	Tune up	39	Tune up
BLE 1M	GFSK	7.49	8	7.77	8	7.23	8
Band	Channel	1	Tune up	19	Tune up	38	Tune up
BLE 2M	GFSK	7.39	8	7.28	8	7.19	8

BT Ant8 Receiver on		Average Conducted Power(dBm)					
Band	Channel	0	Tune up	39	Tune up	78	Tune up
BT	GFSK	11.83	13	12.56	13	11.25	13
	$\pi/4$ DQPSK	8.74	10	9.66	10	8.42	10
	8DPSK	8.76	10	9.62	10	8.46	10
Band	Channel	0	Tune up	19	Tune up	39	Tune up
BLE 1M	GFSK	7.49	8	7.77	8	7.23	8
Band	Channel	1	Tune up	19	Tune up	38	Tune up
BLE 2M	GFSK	7.39	8	7.28	8	7.19	8

- End of the Appendix -