

Appendix E

Conducted RF Output Power

Measurement of RF Conducted Power
1. Conducted Power of GSM
2. Conducted Power of WCDMA
3. Conducted Power of LTE
4. Conducted Power of WIFI2.4G
5. Conducted Power of WIFI5G
6. Conducted Power of Bluetooth

Note:

State:	Trigger Conditions	Antenna No.
DSI1	Simultaneous	WIFI 5GHz Ant2

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1. Conducted Power of GSM

Ant0:

GSM 850										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GSM(GMSK)	GSM	32.64	32.90	32.68	33.50	-9.19	23.45	23.71	23.49	24.31
GPRS (GMSK)	1 TX Slot	32.74	32.86	32.73	33.50	-9.19	23.55	23.67	23.54	24.31
	2 TX Slots	31.96	32.09	31.96	32.50	-6.18	25.78	25.91	25.78	26.32
	3 TX Slots	30.22	30.32	30.23	31.00	-4.42	25.80	25.90	25.81	26.58
	4 TX Slots	29.12	29.22	29.14	30.00	-3.17	25.95	26.05	25.97	26.83
EGPRS (GMSK)	1 TX Slot	32.84	32.89	32.77	33.50	-9.19	23.65	23.70	23.58	24.31
	2 TX Slots	31.94	32.00	31.91	32.50	-6.18	25.76	25.82	25.73	26.32
	3 TX Slots	30.32	30.42	30.25	31.00	-4.42	25.90	26.00	25.83	26.58
	4 TX Slots	29.18	29.16	29.06	30.00	-3.17	26.01	25.99	25.89	26.83
EGPRS (8PSK)	1 TX Slot	27.26	27.37	27.27	28.50	-9.19	18.07	18.18	18.08	19.31
	2 TX Slots	25.41	25.54	25.42	26.50	-6.18	19.23	19.36	19.24	20.32
	3 TX Slots	22.54	22.65	22.55	23.50	-4.42	18.12	18.23	18.13	19.08
	4 TX Slots	21.51	21.59	21.50	22.50	-3.17	18.34	18.42	18.33	19.33

Ant1:

GSM 1900										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	29.66	29.90	29.74	30.50	-9.19	20.47	20.71	20.55	21.31
GPRS (GMSK)	1 TX Slot	29.76	29.85	29.77	30.50	-9.19	20.57	20.66	20.58	21.31
	2 TX Slots	28.88	28.98	28.88	29.50	-6.18	22.70	22.80	22.70	23.32
	3 TX Slots	27.23	27.32	27.21	28.00	-4.42	22.81	22.90	22.79	23.58
	4 TX Slots	26.11	26.20	26.10	27.00	-3.17	22.94	23.03	22.93	23.83
EGPRS (GMSK)	1 TX Slot	29.86	29.79	29.78	30.50	-9.19	20.67	20.60	20.59	21.31
	2 TX Slots	28.83	29.03	28.81	29.50	-6.18	22.65	22.85	22.63	23.32
	3 TX Slots	27.14	27.26	27.16	28.00	-4.42	22.72	22.84	22.74	23.58
	4 TX Slots	26.08	26.13	26.00	27.00	-3.17	22.91	22.96	22.83	23.83
EGPRS (8PSK)	1 TX Slot	26.25	26.33	26.23	27.50	-9.19	17.06	17.14	17.04	18.31
	2 TX Slots	23.12	23.23	23.15	24.50	-6.18	16.94	17.05	16.97	18.32
	3 TX Slots	21.16	21.23	21.13	22.50	-4.42	16.74	16.81	16.71	18.08
	4 TX Slots	19.92	20.01	19.93	21.50	-3.17	16.75	16.84	16.76	18.33



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2. Conducted Power of WCDMA

Ant0:

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	24.66	24.71	24.59	25.00
	12.2kbps AMR	24.70	24.65	24.68	25.00
HSDPA	Subtest 1	23.61	23.67	23.67	24.00
	Subtest 2	23.73	23.61	23.68	24.00
	Subtest 3	23.13	23.16	23.15	23.50
	Subtest 4	23.12	23.05	23.24	23.50
HSUPA	Subtest 1	23.64	23.56	23.56	24.00
	Subtest 2	21.63	21.69	21.55	22.00
	Subtest 3	22.58	22.58	22.60	23.00
	Subtest 4	21.57	21.61	21.69	22.00
	Subtest 5	23.55	23.63	23.60	24.00
DC-HSDPA	Subtest 1	23.53	23.68	23.59	24.00
	Subtest 2	23.80	23.61	23.75	24.00
	Subtest 3	23.21	23.06	23.14	23.50
	Subtest 4	23.08	23.11	23.22	23.50
HSPA+	16QAM	22.66	22.70	22.59	24.00

Ant1:

WCDMA Band II					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	24.59	24.69	24.55	25.00
	12.2kbps AMR	24.54	24.59	24.57	25.00
HSDPA	Subtest 1	23.53	23.57	23.58	24.00
	Subtest 2	23.63	23.53	23.57	24.00
	Subtest 3	23.06	23.08	23.08	23.50
	Subtest 4	23.02	22.95	23.14	23.50
HSUPA	Subtest 1	23.55	23.49	23.48	24.00
	Subtest 2	21.55	21.61	21.45	22.00
	Subtest 3	22.50	22.48	22.53	23.00
	Subtest 4	21.47	21.52	21.60	22.00
	Subtest 5	23.47	23.53	23.51	24.00
DC-HSDPA	Subtest 1	23.45	23.59	23.50	24.00
	Subtest 2	23.70	23.51	23.67	24.00
	Subtest 3	23.14	22.96	23.04	23.50
	Subtest 4	22.99	23.01	23.14	23.50
HSPA+	16QAM	22.57	22.60	22.48	24.00



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WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	24.67	24.78	24.71	25.00
	12.2kbps AMR	24.65	24.76	24.76	25.00
HSDPA	Subtest 1	23.50	23.59	23.58	24.00
	Subtest 2	23.66	23.51	23.58	24.00
	Subtest 3	23.05	23.06	23.04	23.50
	Subtest 4	23.02	22.95	23.15	23.50
HSUPA	Subtest 1	23.54	23.47	23.49	24.00
	Subtest 2	21.55	21.60	21.48	22.00
	Subtest 3	22.48	22.50	22.51	23.00
	Subtest 4	21.47	21.54	21.61	22.00
	Subtest 5	23.46	23.56	23.53	24.00
DC-HSDPA	Subtest 1	23.42	23.61	23.48	24.00
	Subtest 2	23.71	23.51	23.67	24.00
	Subtest 3	23.13	22.97	23.04	23.50
	Subtest 4	22.98	23.02	23.12	23.50
HSPA+	16QAM	22.59	22.62	22.48	24.00



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3. Conducted Power of LTE

Ant0:

LTE Band 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	24.17	24.28	24.27	25.00
		1	2	23.94	23.94	24.03	25.00
		1	5	24.11	24.04	23.99	25.00
		3	0	24.22	24.25	24.26	25.00
		3	2	23.88	23.82	23.78	25.00
		3	3	24.21	24.21	24.20	25.00
		6	0	23.36	23.44	23.42	24.00
	16QAM	1	0	22.81	22.82	22.89	24.00
		1	2	23.13	23.09	23.07	24.00
		1	5	23.02	22.94	23.01	24.00
		3	0	23.00	23.07	23.03	24.00
		3	2	23.04	23.05	23.12	24.00
		3	3	22.96	23.02	23.12	24.00
		6	0	22.13	22.11	22.08	23.00
	64QAM	1	0	22.01	21.93	21.96	23.00
		1	2	22.01	22.07	22.08	23.00
		1	5	21.96	21.99	21.94	23.00
		3	0	22.07	22.05	22.10	23.00
		3	2	22.14	22.04	22.13	23.00
		3	3	21.74	21.84	21.88	23.00
		6	0	20.95	20.90	20.87	22.00
	256QAM	1	0	19.04	19.10	19.20	20.00
		1	2	19.24	19.20	19.19	20.00
		1	5	18.57	18.65	18.57	20.00
		3	0	18.98	18.96	19.00	20.00
		3	2	18.70	18.69	18.70	20.00
		3	3	18.76	18.75	18.74	20.00
		6	0	18.87	18.92	18.93	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	24.16	24.23	24.20	25.00
		1	7	23.94	23.96	23.91	25.00
		1	14	24.01	23.96	23.87	25.00
		8	0	23.30	23.32	23.28	24.00
		8	4	22.88	22.78	22.71	24.00
		8	7	23.07	23.11	23.03	24.00
		15	0	23.40	23.46	23.43	24.00
	16QAM	1	0	22.72	22.81	22.87	24.00
		1	7	23.03	23.04	23.13	24.00
		1	14	22.99	22.97	23.03	24.00
		8	0	22.10	22.01	22.03	23.00
		8	4	21.91	22.00	22.08	23.00
		8	7	22.14	22.07	22.15	23.00



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	64QAM	15	0	22.25	22.15	22.15	23.00
		1	0	21.89	21.95	22.00	23.00
		1	7	22.00	22.04	22.04	23.00
		1	14	21.97	21.94	21.98	23.00
		8	0	21.07	20.98	21.03	22.00
		8	4	20.96	20.94	20.92	22.00
		8	7	20.80	20.88	20.94	22.00
		15	0	21.03	20.99	21.09	22.00
	256QAM	1	0	18.96	19.06	19.15	20.00
		1	7	19.19	19.15	19.12	20.00
		1	14	18.77	18.75	18.82	20.00
		8	0	18.86	18.93	18.99	20.00
		8	4	18.73	18.69	18.59	20.00
		8	7	18.86	18.80	18.75	20.00
		15	0	18.78	18.86	18.92	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	24.21	24.29	24.24	25.00
		1	13	24.02	24.00	23.97	25.00
		1	24	23.84	23.94	23.99	25.00
		12	0	23.30	23.32	23.26	24.00
		12	6	22.73	22.76	22.86	24.00
		12	13	23.00	23.06	23.06	24.00
		25	0	23.32	23.36	23.26	24.00
	16QAM	1	0	22.80	22.82	22.81	24.00
		1	13	23.15	23.07	23.14	24.00
		1	24	22.94	22.95	22.96	24.00
		12	0	21.98	21.95	21.85	23.00
		12	6	21.97	21.96	21.96	23.00
		12	13	21.94	22.00	22.04	23.00
		25	0	22.16	22.12	22.02	23.00
	64QAM	1	0	22.00	21.96	21.99	23.00
		1	13	21.93	22.01	22.01	23.00
		1	24	21.98	22.02	22.01	23.00
		12	0	21.04	21.02	20.94	22.00
		12	6	20.87	20.92	20.92	22.00
		12	13	20.97	20.88	20.83	22.00
		25	0	20.99	20.90	20.97	22.00
	256QAM	1	0	19.14	19.12	19.19	20.00
		1	13	18.99	19.09	19.15	20.00
		1	24	18.77	18.80	18.72	20.00
		12	0	18.95	18.87	18.96	20.00
		12	6	18.80	18.76	18.83	20.00
		12	13	18.75	18.80	18.87	20.00
		25	0	18.66	18.76	18.82	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20525	/	
10MHz	QPSK	1	0	/	24.30	/	25.00
		1	25	/	23.99	/	25.00
		1	49	/	23.93	/	25.00



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		25	0	/	23.34	/	24.00
		25	13	/	22.86	/	24.00
		25	25	/	22.96	/	24.00
		50	0	/	23.31	/	24.00
	16QAM	1	0	/	22.92	/	24.00
		1	25	/	22.97	/	24.00
		1	49	/	23.05	/	24.00
		25	0	/	22.05	/	23.00
		25	13	/	21.98	/	23.00
		25	25	/	21.97	/	23.00
		50	0	/	22.03	/	23.00
	64QAM	1	0	/	22.01	/	23.00
		1	25	/	21.96	/	23.00
		1	49	/	22.01	/	23.00
		25	0	/	21.04	/	22.00
		25	13	/	20.97	/	22.00
		25	25	/	20.92	/	22.00
		50	0	/	20.87	/	22.00
	256QAM	1	0	/	19.05	/	20.00
		1	25	/	19.01	/	20.00
		1	49	/	18.89	/	20.00
		25	0	/	18.95	/	20.00
		25	13	/	18.83	/	20.00
		25	25	/	18.87	/	20.00
		50	0	/	18.86	/	20.00

LTE FDD Band 12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	24.11	24.17	24.16	25.00
		1	2	23.83	23.87	23.80	25.00
		1	5	23.85	23.86	23.88	25.00
		3	0	24.06	24.09	24.12	25.00
		3	2	24.06	23.97	23.90	25.00
		3	3	23.72	23.80	23.72	25.00
		6	0	23.33	23.37	23.43	24.00
	16QAM	1	0	22.78	22.81	22.76	24.00
		1	2	22.89	22.82	22.85	24.00
		1	5	23.13	23.05	23.01	24.00
		3	0	23.04	23.00	23.08	24.00
		3	2	23.09	22.99	22.90	24.00
		3	3	22.78	22.86	22.88	24.00
		6	0	22.03	22.09	22.03	23.00
	64QAM	1	0	22.03	21.96	21.91	23.00
		1	2	21.94	21.90	21.81	23.00
		1	5	21.81	21.74	21.79	23.00
		3	0	21.93	21.88	21.97	23.00
		3	2	21.79	21.78	21.82	23.00
		3	3	21.92	21.95	22.02	23.00



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	256QAM	6	0	20.98	20.88	20.78	22.00
		1	0	19.04	19.09	19.00	20.00
		1	2	19.14	19.11	19.07	20.00
		1	5	18.97	18.89	18.82	20.00
		3	0	18.79	18.78	18.84	20.00
		3	2	18.64	18.66	18.71	20.00
		3	3	18.81	18.86	18.92	20.00
		6	0	18.77	18.76	18.82	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	24.08	24.11	24.05	25.00
		1	7	24.04	23.96	23.86	25.00
		1	14	23.88	23.81	23.91	25.00
		8	0	23.07	23.09	23.05	24.00
		8	4	23.05	22.95	22.85	24.00
		8	7	22.87	22.82	22.89	24.00
		15	0	23.42	23.40	23.47	24.00
		15	0	23.42	23.40	23.47	24.00
	16QAM	1	0	22.89	22.87	22.79	24.00
		1	7	22.75	22.82	22.83	24.00
		1	14	22.88	22.97	22.93	24.00
		8	0	21.99	21.97	21.92	23.00
		8	4	21.83	21.90	21.83	23.00
		8	7	21.79	21.87	21.79	23.00
		15	0	22.05	22.03	22.02	23.00
		15	0	22.05	22.03	22.02	23.00
	64QAM	1	0	21.85	21.95	21.98	23.00
		1	7	21.92	21.92	22.02	23.00
		1	14	21.88	21.84	21.87	23.00
		8	0	20.91	20.96	20.91	22.00
		8	4	20.76	20.80	20.84	22.00
		8	7	20.76	20.86	20.76	22.00
		15	0	20.76	20.86	20.77	22.00
		15	0	20.76	20.86	20.77	22.00
	256QAM	1	0	18.95	18.99	19.00	20.00
		1	7	19.09	19.05	19.13	20.00
		1	14	18.85	18.86	18.84	20.00
		8	0	18.86	18.86	18.83	20.00
		8	4	18.63	18.69	18.65	20.00
		8	7	18.73	18.79	18.72	20.00
		15	0	18.75	18.77	18.81	20.00
		15	0	18.75	18.77	18.81	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	24.11	24.15	24.05	25.00
		1	13	24.01	23.93	23.95	25.00
		1	24	23.76	23.78	23.79	25.00
		12	0	23.17	23.17	23.23	24.00
		12	6	22.88	22.87	22.78	24.00
		12	13	22.81	22.89	22.96	24.00
		25	0	23.35	23.30	23.34	24.00
		25	0	23.35	23.30	23.34	24.00
	16QAM	1	0	22.99	22.92	23.02	24.00
		1	13	22.87	22.86	22.79	24.00
		1	24	22.95	23.01	23.03	24.00



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		12	0	21.85	21.93	22.02	23.00
		12	6	21.83	21.87	21.88	23.00
		12	13	21.95	21.91	22.01	23.00
		25	0	22.08	22.01	21.96	23.00
	64QAM	1	0	21.99	22.00	21.91	23.00
		1	13	21.85	21.83	21.85	23.00
		1	24	21.95	21.87	21.86	23.00
		12	0	21.00	20.91	20.91	22.00
		12	6	20.92	20.89	20.79	22.00
		12	13	20.69	20.76	20.76	22.00
		25	0	20.77	20.87	20.81	22.00
		25	0	20.77	20.87	20.81	22.00
	256QAM	1	0	19.03	18.93	19.00	20.00
		1	13	19.06	19.02	19.11	20.00
		1	24	18.87	18.88	18.88	20.00
		12	0	18.76	18.81	18.83	20.00
		12	6	18.79	18.71	18.63	20.00
		12	13	18.76	18.83	18.87	20.00
		25	0	18.80	18.78	18.78	20.00
		25	0	18.80	18.78	18.78	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23095	/	
10MHz	QPSK	1	0	/	24.21	/	25.00
		1	25	/	23.91	/	25.00
		1	49	/	23.84	/	25.00
		25	0	/	23.24	/	24.00
		25	13	/	22.77	/	24.00
		25	25	/	22.86	/	24.00
		50	0	/	23.20	/	24.00
		50	0	/	23.20	/	24.00
	16QAM	1	0	/	22.82	/	24.00
		1	25	/	22.87	/	24.00
		1	49	/	22.94	/	24.00
		25	0	/	21.97	/	23.00
		25	13	/	21.88	/	23.00
		25	25	/	21.89	/	23.00
		50	0	/	21.94	/	23.00
		50	0	/	21.94	/	23.00
	64QAM	1	0	/	21.91	/	23.00
		1	25	/	21.88	/	23.00
		1	49	/	21.91	/	23.00
		25	0	/	20.95	/	22.00
		25	13	/	20.87	/	22.00
		25	25	/	20.82	/	22.00
		50	0	/	20.79	/	22.00
		50	0	/	20.79	/	22.00
	256QAM	1	0	/	18.94	/	20.00
		1	25	/	18.94	/	20.00
		1	49	/	18.80	/	20.00
		25	0	/	18.86	/	20.00
		25	13	/	18.75	/	20.00
		25	25	/	18.79	/	20.00
		50	0	/	18.78	/	20.00
		50	0	/	18.78	/	20.00

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LTE FDD Band 13				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
5MHz	QPSK	1	0	/	24.14	/	25.00
		1	13	/	23.80	/	25.00
		1	24	/	23.70	/	25.00
		12	0	/	23.19	/	24.00
		12	6	/	22.64	/	24.00
		12	13	/	22.84	/	24.00
		25	0	/	23.02	/	24.00
	16QAM	1	0	/	22.71	/	24.00
		1	13	/	22.75	/	24.00
		1	24	/	22.90	/	24.00
		12	0	/	21.82	/	23.00
		12	6	/	21.73	/	23.00
		12	13	/	21.87	/	23.00
		25	0	/	21.83	/	23.00
	64QAM	1	0	/	21.89	/	23.00
		1	13	/	21.81	/	23.00
		1	24	/	21.68	/	23.00
		12	0	/	20.92	/	22.00
		12	6	/	20.84	/	22.00
		12	13	/	20.75	/	22.00
		25	0	/	20.69	/	22.00
	256QAM	1	0	/	18.92	/	20.00
		1	13	/	18.86	/	20.00
		1	24	/	18.66	/	20.00
		12	0	/	18.79	/	20.00
		12	6	/	18.64	/	20.00
		12	13	/	18.61	/	20.00
		25	0	/	18.69	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	24.19	/	25.00
		1	25	/	23.8	/	25.00
		1	49	/	23.74	/	25.00
		25	0	/	23.12	/	24.00
		25	13	/	22.68	/	24.00
		25	25	/	22.76	/	24.00
		50	0	/	23.09	/	24.00
	16QAM	1	0	/	22.7	/	24.00
		1	25	/	22.77	/	24.00
		1	49	/	22.82	/	24.00
		25	0	/	21.88	/	23.00
		25	13	/	21.79	/	23.00
		25	25	/	21.8	/	23.00
		50	0	/	21.84	/	23.00
	64QAM	1	0	/	21.82	/	23.00



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		1	25	/	21.79	/	23.00
		1	49	/	21.78	/	23.00
		25	0	/	20.87	/	22.00
		25	13	/	20.79	/	22.00
		25	25	/	20.7	/	22.00
		50	0	/	20.68	/	22.00
	256QAM	1	0	/	18.82	/	20.00
		1	25	/	18.85	/	20.00
		1	49	/	18.67	/	20.00
		25	0	/	18.79	/	20.00
		25	13	/	18.65	/	20.00
		25	25	/	18.67	/	20.00
		50	0	/	18.69	/	20.00

LTE FDD Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
5MHz	QPSK	1	0	/	24.11	/	25.00
		1	13	/	23.74	/	25.00
		1	24	/	23.80	/	25.00
		12	0	/	23.10	/	24.00
		12	6	/	22.60	/	24.00
		12	13	/	22.78	/	24.00
		25	0	/	23.19	/	24.00
	16QAM	1	0	/	22.81	/	24.00
		1	13	/	22.70	/	24.00
		1	24	/	22.79	/	24.00
		12	0	/	21.96	/	23.00
		12	6	/	21.66	/	23.00
		12	13	/	21.73	/	23.00
		25	0	/	21.72	/	23.00
	64QAM	1	0	/	21.78	/	23.00
		1	13	/	21.83	/	23.00
		1	24	/	21.80	/	23.00
		12	0	/	20.77	/	22.00
		12	6	/	20.81	/	22.00
		12	13	/	20.60	/	22.00
		25	0	/	20.64	/	22.00
	256QAM	1	0	/	18.83	/	20.00
		1	13	/	18.89	/	20.00
		1	24	/	18.58	/	20.00
		12	0	/	18.71	/	20.00
		12	6	/	18.68	/	20.00
		12	13	/	18.66	/	20.00
		25	0	/	18.75	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
10MHz	QPSK	1	0	/	24.17	/	25.00
		1	25	/	23.81	/	25.00



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		1	49	/	23.77	/	25.00
		25	0	/	23.16	/	24.00
		25	13	/	22.66	/	24.00
		25	25	/	22.74	/	24.00
		50	0	/	23.13	/	24.00
	16QAM	1	0	/	22.73	/	24.00
		1	25	/	22.75	/	24.00
		1	49	/	22.83	/	24.00
		25	0	/	21.90	/	23.00
		25	13	/	21.76	/	23.00
		25	25	/	21.79	/	23.00
		50	0	/	21.82	/	23.00
	64QAM	1	0	/	21.83	/	23.00
		1	25	/	21.79	/	23.00
		1	49	/	21.80	/	23.00
		25	0	/	20.83	/	22.00
		25	13	/	20.78	/	22.00
		25	25	/	20.69	/	22.00
		50	0	/	20.67	/	22.00
	256QAM	1	0	/	18.82	/	20.00
		1	25	/	18.81	/	20.00
		1	49	/	18.68	/	20.00
		25	0	/	18.75	/	20.00
		25	13	/	18.67	/	20.00
		25	25	/	18.69	/	20.00
		50	0	/	18.68	/	20.00

LTE Band 26				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	24.00	24.12	24.06	25.00
		1	2	23.77	23.68	23.72	25.00
		1	5	24.01	23.97	23.90	25.00
		3	0	24.09	24.01	24.10	25.00
		3	2	23.50	23.56	23.57	25.00
		3	3	23.77	23.75	23.69	25.00
		6	0	23.26	23.18	23.18	24.00
	16QAM	1	0	22.81	22.79	22.77	24.00
		1	2	22.73	22.67	22.67	24.00
		1	5	23.01	23.09	23.00	24.00
		3	0	22.60	22.59	22.65	24.00
		3	2	22.83	22.80	22.74	24.00
		3	3	22.79	22.81	22.75	24.00
		6	0	21.77	21.77	21.73	23.00
	64QAM	1	0	21.91	21.91	22.01	23.00
		1	2	21.58	21.62	21.63	23.00
		1	5	22.04	22.02	22.08	23.00
		3	0	21.88	21.84	21.88	23.00
		3	2	21.77	21.80	21.75	23.00



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		3	3	21.89	21.82	21.91	23.00
		6	0	20.54	20.60	20.52	22.00
	256QAM	1	0	18.93	19.00	18.96	20.00
		1	2	18.82	18.77	18.76	20.00
		1	5	19.02	19.02	18.93	20.00
		3	0	18.36	18.46	18.54	20.00
		3	2	18.75	18.67	18.59	20.00
		3	3	18.87	18.81	18.82	20.00
		6	0	18.65	18.63	18.65	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	24.06	24.12	24.12	25.00
		1	7	23.82	23.75	23.71	25.00
		1	14	24.00	23.93	23.90	25.00
		8	0	23.40	23.32	23.29	24.00
		8	4	22.46	22.54	22.54	24.00
		8	7	22.79	22.70	22.67	24.00
		15	0	23.19	23.18	23.18	24.00
	16QAM	1	0	22.69	22.73	22.83	24.00
		1	7	22.74	22.68	22.74	24.00
		1	14	23.12	23.03	23.05	24.00
		8	0	21.63	21.61	21.53	23.00
		8	4	21.79	21.75	21.69	23.00
		8	7	21.68	21.78	21.69	23.00
		15	0	21.78	21.87	21.96	23.00
	64QAM	1	0	21.96	22.01	22.05	23.00
		1	7	21.63	21.72	21.74	23.00
		1	14	21.89	21.98	21.94	23.00
		8	0	20.89	20.91	20.99	22.00
		8	4	20.82	20.72	20.76	22.00
		8	7	20.76	20.81	20.84	22.00
		15	0	20.66	20.66	20.61	22.00
	256QAM	1	0	19.03	19.01	18.97	20.00
		1	7	18.68	18.71	18.70	20.00
		1	14	18.88	18.93	19.01	20.00
		8	0	18.48	18.51	18.48	20.00
		8	4	18.59	18.58	18.64	20.00
		8	7	18.79	18.73	18.75	20.00
		15	0	18.74	18.66	18.75	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	24.12	24.14	24.12	25.00
		1	13	23.82	23.82	23.83	25.00
		1	24	23.84	23.83	23.79	25.00
		12	0	23.24	23.23	23.32	24.00
		12	6	22.55	22.55	22.59	24.00
		12	13	22.81	22.76	22.85	24.00
		25	0	23.04	23.08	23.18	24.00
	16QAM	1	0	22.81	22.77	22.77	24.00
		1	13	22.61	22.65	22.60	24.00



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		1	24	22.89	22.93	23.03	24.00
		12	0	21.68	21.68	21.76	23.00
		12	6	21.76	21.85	21.93	23.00
		12	13	21.74	21.78	21.77	23.00
		25	0	21.96	21.95	22.04	23.00
	64QAM	1	0	21.86	21.96	21.95	23.00
		1	13	21.65	21.68	21.78	23.00
		1	24	22.00	21.95	21.87	23.00
		12	0	21.01	20.92	20.87	22.00
		12	6	20.79	20.71	20.75	22.00
		12	13	20.83	20.76	20.83	22.00
		25	0	20.64	20.59	20.49	22.00
	256QAM	1	0	18.91	18.92	18.99	20.00
		1	13	18.64	18.73	18.70	20.00
		1	24	18.97	18.87	18.77	20.00
		12	0	18.67	18.58	18.58	20.00
		12	6	18.68	18.63	18.72	20.00
		12	13	18.65	18.67	18.72	20.00
		25	0	18.62	18.72	18.63	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	24.06	24.07	24.05	25.00
		1	25	23.85	23.87	23.88	25.00
		1	49	23.70	23.78	23.86	25.00
		25	0	23.15	23.17	23.24	24.00
		25	13	22.64	22.64	22.62	24.00
		25	25	22.62	22.71	22.65	24.00
		50	0	23.16	23.10	23.02	24.00
	16QAM	1	0	22.76	22.70	22.68	24.00
		1	25	22.67	22.73	22.71	24.00
		1	49	22.98	22.96	22.99	24.00
		25	0	21.68	21.76	21.66	23.00
		25	13	21.84	21.85	21.80	23.00
		25	25	21.73	21.71	21.67	23.00
		50	0	21.96	21.89	21.84	23.00
	64QAM	1	0	21.96	21.87	21.89	23.00
		1	25	21.68	21.75	21.85	23.00
		1	49	21.94	21.87	21.97	23.00
		25	0	20.92	20.94	21.04	22.00
		25	13	20.63	20.65	20.63	22.00
		25	25	20.65	20.75	20.80	22.00
		50	0	20.62	20.57	20.65	22.00
	256QAM	1	0	18.99	18.94	19.01	20.00
		1	25	18.91	18.81	18.83	20.00
		1	49	18.79	18.79	18.83	20.00
		25	0	18.70	18.66	18.69	20.00
		25	13	18.78	18.69	18.79	20.00
		25	25	18.74	18.69	18.67	20.00
		50	0	18.82	18.77	18.67	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				/	26865	/	
15MHz	QPSK	1	0	/	24.15	/	25.00
		1	38	/	23.79	/	25.00
		1	74	/	23.71	/	25.00
		36	0	/	23.13	/	24.00
		36	18	/	22.65	/	24.00
		36	39	/	22.77	/	24.00
		75	0	/	23.10	/	24.00
	16QAM	1	0	/	22.72	/	24.00
		1	38	/	22.76	/	24.00
		1	74	/	22.86	/	24.00
		36	0	/	21.85	/	23.00
		36	18	/	21.78	/	23.00
		36	39	/	21.77	/	23.00
		75	0	/	21.84	/	23.00
	64QAM	1	0	/	21.83	/	23.00
		1	38	/	21.80	/	23.00
		1	74	/	21.83	/	23.00
		36	0	/	20.87	/	22.00
		36	18	/	20.75	/	22.00
		36	39	/	20.70	/	22.00
		75	0	/	20.67	/	22.00
	256QAM	1	0	/	18.85	/	20.00
		1	38	/	18.83	/	20.00
		1	74	/	18.72	/	20.00
		36	0	/	18.76	/	20.00
		36	18	/	18.64	/	20.00
		36	39	/	18.69	/	20.00
		75	0	/	18.69	/	20.00

LTE Band 71				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133297	133447	
5MHz	QPSK	1	0	24.13	24.14	24.09	25.00
		1	13	23.72	23.71	23.7	25.00
		1	24	23.64	23.63	23.66	25.00
		12	0	23.04	23.03	23.07	24.00
		12	6	22.57	22.6	22.55	24.00
		12	13	22.67	22.68	22.67	24.00
		25	0	23.04	23	23	24.00
	16QAM	1	0	22.58	22.59	22.59	24.00
		1	13	22.64	22.65	22.67	24.00
		1	24	22.73	22.74	22.7	24.00
		12	0	21.77	21.79	21.8	23.00
		12	6	21.68	21.64	21.68	23.00
		12	13	21.69	21.72	21.74	23.00
		25	0	21.76	21.77	21.76	23.00
	64QAM	1	0	21.73	21.70	21.72	23.00
		1	13	21.67	21.68	21.66	23.00



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		1	24	21.70	21.72	21.72	23.00
		12	0	20.75	20.75	20.76	22.00
		12	6	20.71	20.69	20.71	22.00
		12	13	20.57	20.59	20.61	22.00
		25	0	20.57	20.59	20.54	22.00
	256QAM	1	0	18.71	18.74	18.74	20.00
		1	13	18.70	18.70	18.70	20.00
		1	24	18.58	18.59	18.62	20.00
		12	0	18.68	18.69	18.64	20.00
		12	6	18.57	18.55	18.58	20.00
		12	13	18.57	18.55	18.58	20.00
		25	0	18.57	18.53	18.54	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133172	133297	133422	
10MHz	QPSK	1	0	24.09	24.15	24.13	25.00
		1	25	23.68	23.67	23.68	25.00
		1	49	23.63	23.67	23.65	25.00
		25	0	23.04	23.04	23.07	24.00
		25	13	22.56	22.61	22.58	24.00
		25	25	22.67	22.66	22.67	24.00
		50	0	22.99	23.03	22.99	24.00
	16QAM	1	0	22.6	22.6	22.61	24.00
		1	25	22.66	22.67	22.64	24.00
		1	49	22.68	22.73	22.7	24.00
		25	0	21.78	21.74	21.74	23.00
		25	13	21.63	21.65	21.64	23.00
		25	25	21.73	21.71	21.71	23.00
		50	0	21.79	21.75	21.75	23.00
	64QAM	1	0	21.71	21.68	21.74	23.00
		1	25	21.71	21.68	21.70	23.00
		1	49	21.73	21.71	21.67	23.00
		25	0	20.72	20.74	20.72	22.00
		25	13	20.66	20.68	20.72	22.00
		25	25	20.61	20.58	20.63	22.00
		50	0	20.59	20.57	20.58	22.00
	256QAM	1	0	18.75	18.70	18.72	20.00
		1	25	18.75	18.72	18.73	20.00
		1	49	18.62	18.62	18.60	20.00
		25	0	18.64	18.70	18.69	20.00
		25	13	18.56	18.54	18.56	20.00
		25	25	18.53	18.58	18.54	20.00
		50	0	18.56	18.56	18.53	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	133297	/	
15MHz	QPSK	1	0	/	24.11	/	25.00
		1	38	/	23.71	/	25.00
		1	74	/	23.64	/	25.00
		36	0	/	23.07	/	24.00
		36	18	/	22.57	/	24.00
		36	39	/	22.64	/	24.00



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	16QAM	75	0	/	23.01	/	24.00
		1	0	/	22.63	/	24.00
		1	38	/	22.66	/	24.00
		1	74	/	22.69	/	24.00
		36	0	/	21.75	/	23.00
		36	18	/	21.68	/	23.00
		36	39	/	21.72	/	23.00
		75	0	/	21.79	/	23.00
	64QAM	1	0	/	21.71	/	23.00
		1	38	/	21.69	/	23.00
		1	74	/	21.72	/	23.00
		36	0	/	20.76	/	22.00
		36	18	/	20.68	/	22.00
		36	39	/	20.62	/	22.00
	256QAM	75	0	/	20.54	/	22.00
		1	0	/	18.71	/	20.00
		1	38	/	18.73	/	20.00
		1	74	/	18.58	/	20.00
		36	0	/	18.68	/	20.00
		36	18	/	18.54	/	20.00
		36	39	/	18.57	/	20.00
		75	0	/	18.54	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	133322	/	
20MHz	QPSK	1	0	/	24.22	/	25.00
		1	50	/	23.8	/	25.00
		1	99	/	23.74	/	25.00
		50	0	/	23.15	/	24.00
		50	25	/	22.68	/	24.00
		50	50	/	22.76	/	24.00
		100	0	/	23.11	/	24.00
	16QAM	1	0	/	22.7	/	24.00
		1	50	/	22.76	/	24.00
		1	99	/	22.81	/	24.00
		50	0	/	21.87	/	23.00
		50	25	/	21.76	/	23.00
		50	50	/	21.81	/	23.00
		100	0	/	21.87	/	23.00
	64QAM	1	0	/	21.81	/	23.00
		1	50	/	21.78	/	23.00
		1	99	/	21.80	/	23.00
		50	0	/	20.84	/	22.00
		50	25	/	20.79	/	22.00
		50	50	/	20.70	/	22.00
		100	0	/	20.67	/	22.00
	256QAM	1	0	/	18.82	/	20.00
		1	50	/	18.82	/	20.00
		1	99	/	18.71	/	20.00
		50	0	/	18.77	/	20.00
		50	25	/	18.66	/	20.00



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		50	50	/	18.66	/	20.00
		100	0	/	18.65	/	20.00

Ant1:

LTE Band 2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.77	24.01	23.96	25.00
		1	2	23.64	23.53	23.65	25.00
		1	5	23.58	23.54	23.32	25.00
		3	0	23.97	23.93	23.85	25.00
		3	2	23.43	23.45	23.40	25.00
		3	3	23.66	23.57	23.47	25.00
		6	0	23.00	23.10	22.77	24.00
	16QAM	1	0	22.57	22.91	22.58	24.00
		1	2	22.65	22.49	22.38	24.00
		1	5	22.48	22.67	22.84	24.00
		3	0	22.61	22.64	22.55	24.00
		3	2	22.54	22.56	22.62	24.00
		3	3	22.59	22.80	22.57	24.00
		6	0	21.90	21.69	21.55	23.00
	64QAM	1	0	21.44	21.73	21.76	23.00
		1	2	21.55	21.73	21.53	23.00
		1	5	21.88	21.53	21.75	23.00
		3	0	21.92	21.69	21.70	23.00
		3	2	21.45	21.45	21.77	23.00
		3	3	21.61	21.68	21.73	23.00
		6	0	20.48	20.64	20.58	22.00
	256QAM	1	0	18.54	18.78	18.56	20.00
		1	2	18.68	18.71	18.79	20.00
		1	5	18.44	18.53	18.61	20.00
		3	0	18.39	18.71	18.64	20.00
		3	2	18.52	18.73	18.53	20.00
		3	3	18.61	18.49	18.68	20.00
		6	0	18.66	18.60	18.37	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.77	24.06	24.05	25.00
		1	7	23.74	23.50	23.56	25.00
		1	14	23.56	23.54	23.35	25.00
		8	0	23.04	22.84	22.84	24.00
		8	4	22.53	22.53	22.45	24.00
		8	7	22.75	22.58	22.51	24.00
		15	0	23.09	23.11	22.79	24.00
	16QAM	1	0	22.60	22.87	22.48	24.00
		1	7	22.66	22.50	22.29	24.00
		1	14	22.54	22.62	22.74	24.00
		8	0	21.67	21.73	21.52	23.00
		8	4	21.54	21.64	21.63	23.00



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		8	7	21.65	21.88	21.65	23.00
		15	0	21.90	21.79	21.53	23.00
	64QAM	1	0	21.42	21.64	21.69	23.00
		1	7	21.49	21.71	21.56	23.00
		1	14	21.79	21.61	21.82	23.00
		8	0	20.92	20.65	20.74	22.00
		8	4	20.47	20.55	20.67	22.00
		8	7	20.57	20.59	20.63	22.00
		15	0	20.44	20.56	20.49	22.00
	256QAM	1	0	18.57	18.72	18.66	20.00
		1	7	18.59	18.66	18.80	20.00
		1	14	18.41	18.56	18.60	20.00
		8	0	18.41	18.75	18.72	20.00
		8	4	18.49	18.68	18.46	20.00
		8	7	18.57	18.47	18.62	20.00
		15	0	18.62	18.69	18.47	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.77	24.06	23.98	25.00
		1	13	23.65	23.60	23.54	25.00
		1	24	23.53	23.59	23.44	25.00
		12	0	23.05	22.85	22.86	24.00
		12	6	22.48	22.56	22.48	24.00
		12	13	22.73	22.58	22.51	24.00
		25	0	23.07	23.19	22.87	24.00
	16QAM	1	0	22.51	22.77	22.39	24.00
		1	13	22.58	22.58	22.30	24.00
		1	24	22.61	22.64	22.74	24.00
		12	0	21.67	21.81	21.58	23.00
		12	6	21.56	21.66	21.73	23.00
		12	13	21.60	21.82	21.59	23.00
		25	0	21.90	21.85	21.58	23.00
	64QAM	1	0	21.46	21.74	21.67	23.00
		1	13	21.58	21.67	21.58	23.00
		1	24	21.80	21.63	21.72	23.00
		12	0	20.92	20.68	20.72	22.00
		12	6	20.45	20.60	20.68	22.00
		12	13	20.55	20.65	20.63	22.00
		25	0	20.52	20.59	20.58	22.00
	256QAM	1	0	18.54	18.62	18.66	20.00
		1	13	18.68	18.72	18.76	20.00
		1	24	18.45	18.66	18.59	20.00
		12	0	18.50	18.84	18.69	20.00
		12	6	18.49	18.69	18.46	20.00
		12	13	18.50	18.49	18.55	20.00
		25	0	18.69	18.67	18.57	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.78	24.07	23.91	25.00
		1	25	23.68	23.68	23.64	25.00



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		1	49	23.57	23.50	23.44	25.00
		25	0	23.07	22.88	22.88	24.00
		25	13	22.42	22.61	22.49	24.00
		25	25	22.69	22.52	22.47	24.00
		50	0	23.10	23.13	22.93	24.00
	16QAM	1	0	22.43	22.73	22.49	24.00
		1	25	22.62	22.65	22.40	24.00
		1	49	22.56	22.73	22.74	24.00
		25	0	21.70	21.77	21.56	23.00
		25	13	21.49	21.67	21.66	23.00
		25	25	21.50	21.83	21.59	23.00
		50	0	21.87	21.88	21.64	23.00
	64QAM	1	0	21.55	21.69	21.57	23.00
		1	25	21.63	21.73	21.56	23.00
		1	49	21.72	21.62	21.62	23.00
		25	0	20.82	20.70	20.74	22.00
		25	13	20.55	20.70	20.66	22.00
		25	25	20.59	20.68	20.54	22.00
		50	0	20.50	20.49	20.64	22.00
	256QAM	1	0	18.53	18.58	18.67	20.00
		1	25	18.61	18.67	18.68	20.00
		1	49	18.53	18.58	18.64	20.00
		25	0	18.55	18.75	18.62	20.00
		25	13	18.57	18.77	18.45	20.00
		25	25	18.47	18.53	18.53	20.00
		50	0	18.61	18.69	18.61	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.87	24.04	23.97	25.00
		1	38	23.72	23.76	23.60	25.00
		1	74	23.58	23.53	23.48	25.00
		36	0	23.00	22.96	22.91	24.00
		36	18	22.47	22.54	22.45	24.00
		36	39	22.61	22.58	22.50	24.00
		75	0	23.00	23.03	22.86	24.00
	16QAM	1	0	22.50	22.63	22.49	24.00
		1	38	22.52	22.57	22.50	24.00
		1	74	22.66	22.69	22.75	24.00
		36	0	21.75	21.77	21.61	23.00
		36	18	21.53	21.68	21.68	23.00
		36	39	21.58	21.80	21.63	23.00
		75	0	21.82	21.82	21.63	23.00
	64QAM	1	0	21.56	21.65	21.64	23.00
		1	38	21.67	21.74	21.58	23.00
		1	74	21.64	21.69	21.58	23.00
		36	0	20.75	20.78	20.64	22.00
		36	18	20.58	20.66	20.66	22.00
		36	39	20.63	20.59	20.63	22.00
		75	0	20.49	20.52	20.54	22.00
	256QAM	1	0	18.63	18.68	18.57	20.00



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		1	38	18.68	18.71	18.63	20.00
		1	74	18.45	18.65	18.61	20.00
		36	0	18.53	18.76	18.66	20.00
		36	18	18.49	18.67	18.53	20.00
		36	39	18.45	18.49	18.58	20.00
		75	0	18.53	18.60	18.52	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.97	24.08	24.00	25.00
		1	50	23.64	23.72	23.63	25.00
		1	99	23.53	23.63	23.57	25.00
		50	0	22.98	23.04	22.94	24.00
		50	25	22.50	22.59	22.49	24.00
		50	50	22.59	22.68	22.58	24.00
		100	0	22.95	23.03	22.95	24.00
	16QAM	1	0	22.57	22.63	22.54	24.00
		1	50	22.57	22.65	22.56	24.00
		1	99	22.64	22.72	22.66	24.00
		50	0	21.66	21.77	21.71	23.00
		50	25	21.59	21.68	21.60	23.00
		50	50	21.62	21.70	21.61	23.00
		100	0	21.73	21.81	21.73	23.00
	64QAM	1	0	21.63	21.71	21.62	23.00
		1	50	21.60	21.69	21.59	23.00
		1	99	21.63	21.72	21.64	23.00
		50	0	20.67	20.74	20.66	22.00
		50	25	20.62	20.71	20.64	22.00
		50	50	20.56	20.64	20.58	22.00
		100	0	20.47	20.56	20.47	22.00
	256QAM	1	0	18.66	18.73	18.64	20.00
		1	50	18.66	18.74	18.68	20.00
		1	99	18.52	18.63	18.55	20.00
		50	0	18.63	18.69	18.58	20.00
		50	25	18.51	18.59	18.51	20.00
		50	50	18.46	18.55	18.48	20.00
		100	0	18.50	18.57	18.50	20.00

LTE Band 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.56	23.73	23.55	25.00
		1	2	23.63	23.70	23.71	25.00
		1	5	23.41	23.40	23.36	25.00
		3	0	23.65	23.62	23.65	25.00
		3	2	23.50	23.42	23.32	25.00
		3	3	23.58	23.55	23.58	25.00
		6	0	22.78	22.84	22.79	24.00
	16QAM	1	0	22.67	22.60	22.51	24.00
		1	2	22.64	22.56	22.47	24.00



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		1	5	22.63	22.67	22.69	24.00
		3	0	22.67	22.60	22.64	24.00
		3	2	22.35	22.38	22.35	24.00
		3	3	22.42	22.44	22.39	24.00
		6	0	21.73	21.66	21.74	23.00
	64QAM	1	0	21.64	21.60	21.70	23.00
		1	2	21.49	21.57	21.67	23.00
		1	5	21.72	21.71	21.67	23.00
		3	0	21.41	21.35	21.35	23.00
		3	2	21.64	21.67	21.61	23.00
		3	3	21.31	21.35	21.35	23.00
		6	0	20.31	20.39	20.32	22.00
	256QAM	1	0	18.46	18.53	18.63	20.00
		1	2	18.52	18.43	18.49	20.00
		1	5	18.64	18.59	18.49	20.00
		3	0	18.49	18.46	18.47	20.00
		3	2	18.47	18.43	18.45	20.00
		3	3	18.37	18.43	18.42	20.00
		6	0	18.27	18.34	18.32	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.71	23.73	23.70	25.00
		1	7	23.56	23.60	23.60	25.00
		1	14	23.39	23.36	23.41	25.00
		8	0	22.74	22.70	22.73	24.00
		8	4	22.42	22.42	22.32	24.00
		8	7	22.52	22.50	22.55	24.00
		15	0	22.96	22.87	22.83	24.00
	16QAM	1	0	22.44	22.51	22.56	24.00
		1	7	22.65	22.56	22.50	24.00
		1	14	22.62	22.57	22.67	24.00
		8	0	21.62	21.61	21.62	23.00
		8	4	21.39	21.41	21.37	23.00
		8	7	21.30	21.35	21.35	23.00
		15	0	21.62	21.65	21.58	23.00
	64QAM	1	0	21.66	21.66	21.67	23.00
		1	7	21.40	21.50	21.53	23.00
		1	14	21.90	21.81	21.88	23.00
		8	0	20.42	20.41	20.51	22.00
		8	4	20.69	20.65	20.75	22.00
		8	7	20.34	20.31	20.30	22.00
		15	0	20.44	20.41	20.33	22.00
	256QAM	1	0	18.66	18.60	18.51	20.00
		1	7	18.54	18.49	18.57	20.00
		1	14	18.56	18.54	18.58	20.00
		8	0	18.46	18.55	18.52	20.00
		8	4	18.38	18.37	18.33	20.00
		8	7	18.44	18.35	18.30	20.00
		15	0	18.39	18.44	18.54	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				19975	20175	20375	
5MHz	QPSK	1	0	23.65	23.70	23.61	25.00
		1	13	23.59	23.56	23.65	25.00
		1	24	23.45	23.39	23.33	25.00
		12	0	22.85	22.79	22.84	24.00
		12	6	22.59	22.49	22.59	24.00
		12	13	22.50	22.57	22.61	24.00
		25	0	22.97	22.92	22.88	24.00
	16QAM	1	0	22.58	22.50	22.46	24.00
		1	13	22.44	22.46	22.49	24.00
		1	24	22.48	22.52	22.46	24.00
		12	0	21.47	21.52	21.53	23.00
		12	6	21.37	21.41	21.50	23.00
		12	13	21.39	21.38	21.44	23.00
		25	0	21.62	21.65	21.55	23.00
	64QAM	1	0	21.72	21.71	21.80	23.00
		1	13	21.38	21.45	21.53	23.00
		1	24	21.82	21.76	21.69	23.00
		12	0	20.41	20.40	20.34	22.00
		12	6	20.56	20.59	20.62	22.00
		12	13	20.47	20.40	20.38	22.00
		25	0	20.60	20.50	20.46	22.00
	256QAM	1	0	18.59	18.51	18.55	20.00
		1	13	18.46	18.56	18.54	20.00
		1	24	18.49	18.54	18.55	20.00
		12	0	18.56	18.52	18.49	20.00
		12	6	18.36	18.45	18.55	20.00
		12	13	18.50	18.43	18.41	20.00
		25	0	18.40	18.34	18.31	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	23.70	23.73	23.71	25.00
		1	25	23.52	23.49	23.44	25.00
		1	49	23.50	23.49	23.39	25.00
		25	0	22.76	22.73	22.65	24.00
		25	13	22.55	22.47	22.56	24.00
		25	25	22.76	22.66	22.64	24.00
		50	0	22.85	22.85	22.93	24.00
	16QAM	1	0	22.45	22.44	22.46	24.00
		1	25	22.51	22.56	22.52	24.00
		1	49	22.63	22.53	22.49	24.00
		25	0	21.42	21.51	21.46	23.00
		25	13	21.40	21.46	21.40	23.00
		25	25	21.39	21.38	21.39	23.00
		50	0	21.76	21.71	21.70	23.00
	64QAM	1	0	21.59	21.67	21.73	23.00
		1	25	21.50	21.47	21.44	23.00
		1	49	21.58	21.66	21.72	23.00
		25	0	20.42	20.48	20.51	22.00
		25	13	20.66	20.59	20.51	22.00



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		25	25	20.46	20.50	20.50	22.00
		50	0	20.51	20.45	20.39	22.00
	256QAM	1	0	18.44	18.47	18.55	20.00
		1	25	18.69	18.63	18.54	20.00
		1	49	18.50	18.47	18.44	20.00
		25	0	18.51	18.53	18.59	20.00
		25	13	18.48	18.55	18.64	20.00
		25	25	18.51	18.42	18.48	20.00
		50	0	18.26	18.28	18.21	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.74	23.78	23.70	25.00
		1	38	23.46	23.47	23.52	25.00
		1	74	23.46	23.43	23.33	25.00
		36	0	22.73	22.75	22.84	24.00
		36	18	22.38	22.39	22.35	24.00
		36	39	22.52	22.56	22.51	24.00
		75	0	22.75	22.85	22.82	24.00
	16QAM	1	0	22.33	22.40	22.41	24.00
		1	38	22.47	22.47	22.41	24.00
		1	74	22.41	22.43	22.42	24.00
		36	0	21.63	21.54	21.49	23.00
		36	18	21.51	21.50	21.57	23.00
		36	39	21.40	21.43	21.53	23.00
		75	0	21.72	21.63	21.64	23.00
	64QAM	1	0	21.65	21.59	21.58	23.00
		1	38	21.46	21.50	21.45	23.00
		1	74	21.71	21.62	21.65	23.00
		36	0	20.45	20.51	20.50	22.00
		36	18	20.50	20.57	20.58	22.00
		36	39	20.44	20.54	20.49	22.00
		75	0	20.42	20.45	20.52	22.00
	256QAM	1	0	18.59	18.49	18.43	20.00
		1	38	18.51	18.55	18.50	20.00
		1	74	18.30	18.39	18.35	20.00
		36	0	18.39	18.46	18.51	20.00
		36	18	18.60	18.52	18.49	20.00
		36	39	18.31	18.40	18.32	20.00
		75	0	18.29	18.31	18.33	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.83	/	25.00
		1	50	/	23.55	/	25.00
		1	99	/	23.45	/	25.00
		50	0	/	22.83	/	24.00
		50	25	/	22.41	/	24.00
		50	50	/	22.50	/	24.00
		100	0	/	22.84	/	24.00
	16QAM	1	0	/	22.44	/	24.00
		1	50	/	22.48	/	24.00



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		1	99	/	22.52	/	24.00
		50	0	/	21.59	/	23.00
		50	25	/	21.48	/	23.00
		50	50	/	21.53	/	23.00
		100	0	/	21.64	/	23.00
	64QAM	1	0	/	21.54	/	23.00
		1	50	/	21.49	/	23.00
		1	99	/	21.56	/	23.00
		50	0	/	20.55	/	22.00
		50	25	/	20.54	/	22.00
		50	50	/	20.45	/	22.00
		100	0	/	20.36	/	22.00
	256QAM	1	0	/	18.57	/	20.00
		1	50	/	18.56	/	20.00
		1	99	/	18.43	/	20.00
		50	0	/	18.48	/	20.00
		50	25	/	18.42	/	20.00
		50	50	/	18.37	/	20.00
		100	0	/	18.38	/	20.00

LTE Band 25				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	24.02	24.11	24.00	25.00
		1	2	23.49	23.55	23.44	25.00
		1	5	23.50	23.51	23.34	25.00
		3	0	23.88	23.98	23.94	25.00
		3	2	23.38	23.53	23.33	25.00
		3	3	23.45	23.49	23.45	25.00
		6	0	22.81	22.85	22.79	24.00
	16QAM	1	0	22.43	22.45	22.42	24.00
		1	2	22.43	22.45	22.50	24.00
		1	5	22.49	22.61	22.39	24.00
		3	0	22.54	22.76	22.46	24.00
		3	2	22.48	22.62	22.49	24.00
		3	3	22.54	22.56	22.53	24.00
		6	0	21.47	21.73	21.62	23.00
	64QAM	1	0	21.45	21.69	21.56	23.00
		1	2	21.43	21.47	21.54	23.00
		1	5	21.50	21.50	21.49	23.00
		3	0	21.52	21.65	21.45	23.00
		3	2	21.43	21.63	21.58	23.00
		3	3	21.51	21.54	21.43	23.00
		6	0	20.29	20.37	20.38	22.00
	256QAM	1	0	18.49	18.57	18.42	20.00
		1	2	18.48	18.54	18.38	20.00
		1	5	18.31	18.43	18.48	20.00
		3	0	18.44	18.56	18.50	20.00
		3	2	18.39	18.36	18.35	20.00



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		3	3	18.40	18.49	18.42	20.00
		6	0	18.28	18.44	18.48	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	23.95	24.06	23.96	25.00
		1	7	23.47	23.58	23.46	25.00
		1	14	23.45	23.49	23.41	25.00
		8	0	22.95	23.06	22.93	24.00
		8	4	22.37	22.50	22.38	24.00
		8	7	22.42	22.55	22.39	24.00
		15	0	22.79	22.90	22.81	24.00
	16QAM	1	0	22.36	22.51	22.43	24.00
		1	7	22.47	22.55	22.49	24.00
		1	14	22.49	22.59	22.48	24.00
		8	0	21.55	21.66	21.52	23.00
		8	4	21.42	21.55	21.43	23.00
		8	7	21.53	21.60	21.51	23.00
		15	0	21.55	21.69	21.54	23.00
	64QAM	1	0	21.49	21.59	21.46	23.00
		1	7	21.49	21.57	21.48	23.00
		1	14	21.51	21.59	21.44	23.00
		8	0	20.48	20.61	20.50	22.00
		8	4	20.45	20.57	20.51	22.00
		8	7	20.43	20.53	20.37	22.00
		15	0	20.35	20.46	20.31	22.00
	256QAM	1	0	18.51	18.62	18.52	20.00
		1	7	18.44	18.58	18.44	20.00
		1	14	18.37	18.48	18.38	20.00
		8	0	18.42	18.56	18.45	20.00
		8	4	18.34	18.43	18.36	20.00
		8	7	18.33	18.47	18.33	20.00
		15	0	18.33	18.42	18.38	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	23.96	24.04	23.97	25.00
		1	13	23.45	23.58	23.48	25.00
		1	24	23.41	23.52	23.38	25.00
		12	0	22.96	23.06	22.94	24.00
		12	6	22.36	22.47	22.38	24.00
		12	13	22.40	22.53	22.41	24.00
		25	0	22.83	22.91	22.79	24.00
	16QAM	1	0	22.38	22.47	22.42	24.00
		1	13	22.46	22.57	22.44	24.00
		1	24	22.52	22.63	22.49	24.00
		12	0	21.55	21.67	21.54	23.00
		12	6	21.41	21.52	21.40	23.00
		12	13	21.53	21.62	21.52	23.00
		25	0	21.56	21.68	21.56	23.00
	64QAM	1	0	21.45	21.58	21.48	23.00
		1	13	21.47	21.58	21.49	23.00



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		1	24	21.51	21.57	21.45	23.00
		12	0	20.51	20.63	20.50	22.00
		12	6	20.48	20.59	20.49	22.00
		12	13	20.44	20.51	20.40	22.00
		25	0	20.34	20.44	20.34	22.00
	256QAM	1	0	18.50	18.63	18.54	20.00
		1	13	18.46	18.60	18.46	20.00
		1	24	18.39	18.48	18.35	20.00
		12	0	18.44	18.56	18.48	20.00
		12	6	18.35	18.41	18.35	20.00
		12	13	18.34	18.44	18.34	20.00
		25	0	18.30	18.47	18.35	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	23.92	24.03	23.94	25.00
		1	25	23.46	23.57	23.46	25.00
		1	49	23.42	23.53	23.37	25.00
		25	0	22.96	23.02	22.94	24.00
		25	13	22.38	22.48	22.39	24.00
		25	25	22.44	22.52	22.43	24.00
		50	0	22.82	22.90	22.77	24.00
	16QAM	1	0	22.40	22.51	22.42	24.00
		1	25	22.49	22.55	22.45	24.00
		1	49	22.50	22.58	22.49	24.00
		25	0	21.56	21.64	21.54	23.00
		25	13	21.40	21.54	21.45	23.00
		25	25	21.53	21.60	21.52	23.00
		50	0	21.56	21.68	21.58	23.00
	64QAM	1	0	21.49	21.60	21.47	23.00
		1	25	21.50	21.57	21.49	23.00
		1	49	21.48	21.57	21.46	23.00
		25	0	20.51	20.60	20.50	22.00
		25	13	20.49	20.58	20.51	22.00
		25	25	20.41	20.52	20.38	22.00
		50	0	20.36	20.44	20.32	22.00
	256QAM	1	0	18.48	18.62	18.52	20.00
		1	25	18.47	18.60	18.46	20.00
		1	49	18.35	18.47	18.38	20.00
		25	0	18.42	18.56	18.49	20.00
		25	13	18.33	18.42	18.36	20.00
		25	25	18.33	18.46	18.33	20.00
		50	0	18.32	18.44	18.37	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	23.96	24.08	23.95	25.00
		1	38	23.47	23.59	23.48	25.00
		1	74	23.44	23.52	23.38	25.00
		36	0	22.95	23.03	22.94	24.00
		36	18	22.37	22.49	22.38	24.00
		36	39	22.42	22.52	22.42	24.00



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	16QAM	75	0	22.82	22.93	22.78	24.00
		1	0	22.36	22.49	22.40	24.00
		1	38	22.48	22.55	22.46	24.00
		1	74	22.51	22.58	22.52	24.00
		36	0	21.54	21.65	21.55	23.00
		36	18	21.44	21.52	21.43	23.00
		36	39	21.54	21.65	21.52	23.00
		75	0	21.55	21.65	21.55	23.00
	64QAM	1	0	21.45	21.59	21.49	23.00
		1	38	21.51	21.59	21.51	23.00
		1	74	21.47	21.58	21.43	23.00
		36	0	20.51	20.60	20.53	22.00
		36	18	20.48	20.61	20.49	22.00
		36	39	20.42	20.50	20.41	22.00
		75	0	20.38	20.45	20.33	22.00
	256QAM	1	0	18.48	18.60	18.51	20.00
		1	38	18.48	18.57	18.44	20.00
		1	74	18.39	18.48	18.39	20.00
		36	0	18.46	18.55	18.46	20.00
		36	18	18.33	18.44	18.36	20.00
		36	39	18.32	18.44	18.32	20.00
		75	0	18.31	18.42	18.37	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	24.04	24.16	24.05	25.00
		1	50	23.56	23.69	23.57	25.00
		1	99	23.53	23.61	23.49	25.00
		50	0	23.06	23.15	23.05	24.00
		50	25	22.48	22.60	22.48	24.00
		50	50	22.53	22.64	22.51	24.00
		100	0	22.92	23.02	22.89	24.00
	16QAM	1	0	22.48	22.60	22.51	24.00
		1	50	22.58	22.67	22.57	24.00
		1	99	22.61	22.71	22.61	24.00
		50	0	21.64	21.76	21.64	23.00
		50	25	21.52	21.65	21.53	23.00
		50	50	21.63	21.73	21.62	23.00
		100	0	21.67	21.77	21.66	23.00
	64QAM	1	0	21.58	21.69	21.57	23.00
		1	50	21.59	21.70	21.61	23.00
		1	99	21.60	21.68	21.56	23.00
		50	0	20.61	20.71	20.62	22.00
		50	25	20.58	20.70	20.61	22.00
		50	50	20.53	20.61	20.49	22.00
		100	0	20.46	20.54	20.43	22.00
	256QAM	1	0	18.61	18.73	18.63	20.00
		1	50	18.57	18.69	18.56	20.00
		1	99	18.47	18.58	18.47	20.00
		50	0	18.55	18.66	18.58	20.00
		50	25	18.43	18.54	18.45	20.00



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		50	50	18.45	18.56	18.43	20.00
		100	0	18.43	18.55	18.46	20.00

LTE Band 66				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.80	23.92	23.90	25.00
		1	2	23.35	23.51	23.50	25.00
		1	5	23.58	23.45	23.42	25.00
		3	0	23.75	23.75	23.74	25.00
		3	1	23.45	23.58	23.39	25.00
		3	3	23.45	23.78	23.55	25.00
		6	0	22.93	22.96	22.89	24.00
	16QAM	1	0	22.20	22.59	22.48	24.00
		1	2	22.55	22.60	22.49	24.00
		1	5	22.54	22.87	22.39	24.00
		3	0	22.59	22.65	22.71	24.00
		3	1	22.28	22.45	22.37	24.00
		3	3	22.39	22.39	22.37	24.00
		6	0	21.50	22.05	21.63	23.00
	64QAM	1	0	21.24	21.74	21.31	23.00
		1	2	21.28	21.56	21.43	23.00
		1	5	21.52	21.56	21.66	23.00
		3	0	21.50	21.57	21.66	23.00
		3	1	21.27	21.82	21.33	23.00
		3	3	21.49	21.48	21.60	23.00
		6	0	20.25	20.51	20.32	22.00
	256QAM	1	0	18.58	18.53	18.56	20.00
		1	2	18.64	18.35	18.44	20.00
		1	5	18.35	18.32	18.41	20.00
		3	0	18.55	18.45	18.65	20.00
		3	1	18.34	18.44	18.32	20.00
		3	3	18.44	18.58	18.26	20.00
		6	0	18.30	18.34	18.52	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.90	23.91	23.90	25.00
		1	7	23.34	23.60	23.47	25.00
		1	14	23.56	23.50	23.45	25.00
		8	0	22.87	23.12	22.64	24.00
		8	4	22.48	22.62	22.42	24.00
		8	7	22.49	22.75	22.45	24.00
		15	0	22.94	23.01	22.85	24.00
	16QAM	1	0	22.30	22.64	22.40	24.00
		1	7	22.45	22.65	22.53	24.00
		1	14	22.54	22.79	22.49	24.00
		8	0	21.60	21.68	21.68	23.00
		8	4	21.36	21.41	21.37	23.00
		8	7	21.38	21.49	21.35	23.00



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	64QAM	15	0	21.47	21.95	21.53	23.00
		1	0	21.30	21.83	21.37	23.00
		1	7	21.32	21.66	21.47	23.00
		1	14	21.55	21.60	21.56	23.00
		8	0	20.56	20.67	20.62	22.00
		8	4	20.35	20.73	20.37	22.00
		8	7	20.55	20.54	20.50	22.00
		15	0	20.25	20.54	20.38	22.00
	256QAM	1	0	18.55	18.55	18.48	20.00
		1	7	18.66	18.41	18.52	20.00
		1	14	18.31	18.41	18.40	20.00
		8	0	18.48	18.49	18.59	20.00
		8	4	18.44	18.49	18.38	20.00
		8	7	18.39	18.53	18.23	20.00
		15	0	18.33	18.37	18.47	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.86	23.93	23.92	25.00
		1	13	23.38	23.70	23.46	25.00
		1	24	23.53	23.43	23.40	25.00
		12	0	22.82	23.06	22.69	24.00
		12	6	22.44	22.71	22.36	24.00
		12	13	22.57	22.76	22.43	24.00
		25	0	22.88	23.09	22.76	24.00
	16QAM	1	0	22.31	22.62	22.48	24.00
		1	13	22.53	22.68	22.51	24.00
		1	24	22.47	22.69	22.51	24.00
		12	0	21.65	21.75	21.61	23.00
		12	6	21.46	21.51	21.45	23.00
		12	13	21.34	21.53	21.42	23.00
		25	0	21.52	21.88	21.57	23.00
	64QAM	1	0	21.35	21.90	21.45	23.00
		1	13	21.22	21.56	21.41	23.00
		1	24	21.48	21.65	21.61	23.00
		12	0	20.49	20.61	20.65	22.00
		12	6	20.36	20.75	20.42	22.00
		12	13	20.52	20.56	20.48	22.00
		25	0	20.35	20.63	20.40	22.00
	256QAM	1	0	18.47	18.54	18.48	20.00
		1	13	18.65	18.51	18.50	20.00
		1	24	18.22	18.44	18.45	20.00
		12	0	18.41	18.45	18.56	20.00
		12	6	18.46	18.49	18.34	20.00
		12	13	18.32	18.52	18.33	20.00
		25	0	18.34	18.42	18.41	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.78	23.89	23.86	25.00
		1	25	23.45	23.63	23.48	25.00
		1	49	23.50	23.47	23.41	25.00



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		25	0	22.91	22.96	22.71	24.00
		25	13	22.40	22.68	22.34	24.00
		25	25	22.57	22.66	22.42	24.00
		50	0	22.87	23.00	22.81	24.00
	16QAM	1	0	22.38	22.59	22.52	24.00
		1	25	22.53	22.61	22.46	24.00
		1	49	22.53	22.71	22.58	24.00
		25	0	21.69	21.78	21.56	23.00
		25	13	21.36	21.54	21.45	23.00
		25	25	21.44	21.56	21.40	23.00
		50	0	21.48	21.80	21.64	23.00
		50	0	21.48	21.80	21.64	23.00
	64QAM	1	0	21.37	21.80	21.45	23.00
		1	25	21.31	21.51	21.33	23.00
		1	49	21.44	21.72	21.58	23.00
		25	0	20.49	20.63	20.66	22.00
		25	13	20.31	20.74	20.51	22.00
		25	25	20.59	20.46	20.52	22.00
		50	0	20.44	20.53	20.31	22.00
		50	0	20.44	20.53	20.31	22.00
	256QAM	1	0	18.54	18.52	18.48	20.00
		1	25	18.65	18.57	18.60	20.00
		1	49	18.25	18.34	18.48	20.00
		25	0	18.47	18.52	18.60	20.00
		25	13	18.48	18.44	18.44	20.00
		25	25	18.32	18.52	18.34	20.00
		50	0	18.32	18.37	18.33	20.00
		50	0	18.32	18.37	18.33	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.81	23.88	23.84	25.00
		1	38	23.42	23.54	23.53	25.00
		1	74	23.43	23.53	23.38	25.00
		36	0	22.91	23.02	22.80	24.00
		36	18	22.40	22.58	22.38	24.00
		36	39	22.53	22.57	22.43	24.00
		75	0	22.87	22.91	22.77	24.00
		75	0	22.87	22.91	22.77	24.00
	16QAM	1	0	22.32	22.53	22.52	24.00
		1	38	22.57	22.55	22.41	24.00
		1	74	22.43	22.67	22.53	24.00
		36	0	21.68	21.74	21.60	23.00
		36	18	21.42	21.54	21.45	23.00
		36	39	21.52	21.57	21.43	23.00
		75	0	21.55	21.70	21.68	23.00
		75	0	21.55	21.70	21.68	23.00
	64QAM	1	0	21.45	21.70	21.49	23.00
		1	38	21.38	21.55	21.37	23.00
		1	74	21.42	21.62	21.53	23.00
		36	0	20.43	20.63	20.63	22.00
		36	18	20.41	20.68	20.42	22.00
		36	39	20.51	20.51	20.43	22.00
		75	0	20.34	20.44	20.36	22.00
		75	0	20.34	20.44	20.36	22.00
	256QAM	1	0	18.58	18.55	18.47	20.00
		1	38	18.59	18.63	18.63	20.00



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		1	74	18.35	18.42	18.51	20.00
		36	0	18.49	18.61	18.52	20.00
		36	18	18.54	18.50	18.38	20.00
		36	39	18.34	18.48	18.44	20.00
		75	0	18.42	18.41	18.27	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.89	23.95	23.88	25.00
		1	50	23.51	23.59	23.49	25.00
		1	99	23.44	23.51	23.41	25.00
		50	0	22.85	22.94	22.85	24.00
		50	25	22.40	22.49	22.43	24.00
		50	50	22.48	22.58	22.49	24.00
		100	0	22.81	22.91	22.81	24.00
	16QAM	1	0	22.42	22.51	22.43	24.00
		1	50	22.48	22.55	22.46	24.00
		1	99	22.51	22.61	22.52	24.00
		50	0	21.59	21.67	21.60	23.00
		50	25	21.46	21.56	21.47	23.00
		50	50	21.54	21.60	21.51	23.00
		100	0	21.64	21.72	21.65	23.00
	64QAM	1	0	21.52	21.61	21.51	23.00
		1	50	21.47	21.56	21.45	23.00
		1	99	21.49	21.60	21.54	23.00
		50	0	20.53	20.62	20.54	22.00
		50	25	20.49	20.59	20.48	22.00
		50	50	20.44	20.54	20.46	22.00
		100	0	20.41	20.47	20.36	22.00
	256QAM	1	0	18.52	18.61	18.51	20.00
		1	50	18.55	18.64	18.56	20.00
		1	99	18.42	18.51	18.41	20.00
		50	0	18.47	18.56	18.48	20.00
		50	25	18.44	18.51	18.40	20.00
		50	50	18.36	18.45	18.39	20.00
		100	0	18.40	18.46	18.35	20.00



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4. Conducted Power of WIFI2.4G

WIFI 2.4G Ant2					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	18.40	19.50
	6	2437		18.99	20.00
	11	2462		18.40	19.50
802.11g	1	2412	6	17.39	18.50
	6	2437		18.02	19.00
	11	2462		17.41	18.50
802.11n HT20	1	2412	6.5	16.39	17.50
	6	2437		16.79	18.00
	11	2462		16.16	17.50



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5. Conducted Power of WIFI5G

WIFI 5G Ant2					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.42	18.50
		40	5200	17.16	18.00
		44	5220	17.22	18.00
		48	5240	18.01	18.50
	802.11n HT20	36	5180	17.31	18.50
		40	5200	16.99	18.00
		44	5220	17.31	18.50
		48	5240	17.52	18.50
	802.11n HT40	38	5190	16.28	17.50
		46	5230	16.24	17.00
	802.11ac VHT20	36	5180	17.26	18.50
		40	5200	17.13	18.00
		44	5220	17.26	18.50
		48	5240	17.41	18.50
	802.11ac VHT40	38	5190	16.22	17.00
		46	5230	16.27	17.50
	802.11ac VHT80	42	5210	15.89	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	17.29	18.50
		56	5280	17.33	18.50
		60	5300	17.46	18.50
		64	5320	17.65	18.50
	802.11n HT20	52	5260	17.30	18.50
		56	5280	17.25	18.50
		60	5300	17.44	18.50
		64	5320	17.07	18.00
	802.11n HT40	54	5270	16.11	17.00
		62	5310	16.19	17.00
	802.11ac VHT20	52	5260	17.21	18.00
		56	5280	17.22	18.00
		60	5300	17.27	18.50
		64	5320	17.19	18.00
	802.11ac VHT40	54	5270	16.18	17.00
		62	5310	16.10	17.00
	802.11ac VHT80	58	5290	15.98	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	17.38	18.50
		104	5520	17.01	18.00
		108	5540	17.02	18.00
		112	5560	17.02	18.00
		116	5580	17.06	18.00
		120	5600	16.89	18.00
		124	5620	17.01	18.00



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		128	5640	17.03	18.00
		132	5660	16.94	18.00
		136	5680	16.95	18.00
		140	5700	16.83	18.00
		144	5720	16.84	18.00
	802.11n HT20	100	5500	17.16	18.00
		104	5520	17.05	18.00
		108	5540	17.11	18.00
		112	5560	17.03	18.00
		116	5580	16.85	18.00
		120	5600	16.81	18.00
		124	5620	16.99	18.00
		128	5640	16.87	18.00
		132	5660	16.82	18.00
		136	5680	16.84	18.00
		140	5700	16.63	18.00
		144	5720	16.69	18.00
		802.11n HT40	102	5510	15.99
	110		5550	15.88	17.00
	118		5590	15.88	17.00
	126		5630	15.86	17.00
	134		5670	15.27	16.50
	142		5710	15.80	17.00
	802.11ac VHT20	100	5500	17.24	18.00
		104	5520	17.15	18.00
		108	5540	17.07	18.00
		112	5560	17.02	18.00
		116	5580	16.75	18.00
		120	5600	16.89	18.00
		124	5620	16.79	18.00
		128	5640	16.71	18.00
		132	5660	16.75	18.00
		136	5680	16.66	17.50
		140	5700	16.55	17.50
		144	5720	16.72	17.50
	802.11ac VHT40	102	5510	15.98	17.00
		110	5550	15.83	17.00
		118	5590	15.81	17.00
		126	5630	15.74	16.50
		134	5670	15.15	16.00
		142	5710	15.78	17.00
	802.11ac VHT80	106	5530	15.70	16.50
		122	5610	15.49	16.50
		138	5690	15.90	17.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	16.30	17.50
		153	5765	16.23	17.00
		157	5785	16.34	17.50
		161	5805	16.17	17.00
		165	5825	16.09	17.00



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	802.11n HT20	149	5745	16.24	17.00
		153	5765	16.19	17.00
		157	5785	16.86	18.00
		161	5805	16.41	17.50
		165	5825	16.47	17.50
	802.11n HT40	151	5755	15.49	16.50
		159	5795	15.64	16.50
	802.11ac VHT20	149	5745	16.30	17.50
		153	5765	16.22	17.00
		157	16.69	16.17	17.00
		161	5805	16.19	17.00
		165	5825	16.40	17.50
	802.11ac VHT40	151	5755	15.46	16.50
		159	5795	15.39	16.50
	802.11ac VHT80	155	5775	15.55	16.50

WIFI 5G Ant2 for Simultaneous-DSI1					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	16.45	17.50
		40	5200	16.09	17.00
		44	5220	16.18	17.00
		48	5240	17.05	17.50
	802.11n HT20	36	5180	16.27	17.50
		40	5200	15.93	17.00
		44	5220	16.30	17.50
		48	5240	16.52	17.50
	802.11n HT40	38	5190	15.32	16.50
		46	5230	15.26	16.00
	802.11ac VHT20	36	5180	16.20	17.50
		40	5200	16.07	17.00
		44	5220	16.30	17.50
		48	5240	16.37	17.50
	802.11ac VHT40	38	5190	15.15	16.00
		46	5230	15.25	16.50
	802.11ac VHT80	42	5210	14.84	16.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	16.27	17.50
		56	5280	16.34	17.50
		60	5300	16.47	17.50
		64	5320	16.59	17.50
	802.11n HT20	52	5260	16.21	17.50
		56	5280	16.18	17.50
		60	5300	16.48	17.50
		64	5320	16.04	17.00
	802.11n HT40	54	5270	15.08	16.00
		62	5310	15.20	16.00
	802.11ac VHT20	52	5260	16.20	17.00
		56	5280	16.18	17.00
		60	5300	16.30	17.50



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		64	5320	16.18	17.00
	802.11ac VHT40	54	5270	15.10	16.00
		62	5310	15.07	16.00
	802.11ac VHT80	58	5290	14.96	16.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	16.40	17.50
		104	5520	15.98	17.00
		108	5540	16.04	17.00
		112	5560	16.06	17.00
		116	5580	15.96	17.00
		120	5600	15.90	17.00
		124	5620	16.04	17.00
		128	5640	16.04	17.00
		132	5660	15.85	17.00
		136	5680	15.95	17.00
		140	5700	15.81	17.00
		144	5720	15.82	17.00
	802.11n HT20	100	5500	16.16	17.00
		104	5520	16.05	17.00
		108	5540	16.09	17.00
		112	5560	15.97	17.00
		116	5580	15.75	17.00
		120	5600	15.77	17.00
		124	5620	15.98	17.00
		128	5640	15.78	17.00
		132	5660	15.77	17.00
		136	5680	15.87	17.00
		140	5700	15.68	17.00
		144	5720	15.61	17.00
	802.11n HT40	102	5510	15.01	16.00
		110	5550	14.85	16.00
		118	5590	14.87	16.00
		126	5630	14.76	16.00
		134	5670	14.26	15.50
		142	5710	14.83	16.00
	802.11ac VHT20	100	5500	16.19	17.00
		104	5520	16.18	17.00
		108	5540	16.11	17.00
		112	5560	16.03	17.00
		116	5580	15.75	17.00
		120	5600	15.88	17.00
		124	5620	15.78	17.00
		128	5640	15.67	17.00
		132	5660	15.72	17.00
		136	5680	15.57	16.50
		140	5700	15.59	16.50
		144	5720	15.67	16.50
	802.11ac VHT40	102	5510	15.02	16.00
		110	5550	14.81	16.00



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		118	5590	14.77	16.00
		126	5630	14.73	15.50
		134	5670	14.07	15.00
		142	5710	14.68	16.00
	802.11ac VHT80	106	5530	14.70	15.50
		122	5610	14.53	15.50
		138	5690	14.87	16.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-3	802.11a	149	5745	15.32	16.50
		153	5765	15.14	16.00
		157	5785	15.38	16.50
		161	5805	15.15	16.00
		165	5825	15.09	16.00
	802.11n HT20	149	5745	15.22	16.00
		153	5765	15.18	16.00
		157	5785	15.82	17.00
		161	5805	15.45	16.50
		165	5825	15.49	16.50
	802.11n HT40	151	5755	14.39	15.50
		159	5795	14.66	15.50
	802.11ac VHT20	149	5745	15.23	16.50
		153	5765	15.19	16.00
		157	16.69	15.11	16.00
		161	5805	15.23	16.00
		165	5825	15.32	16.50
	802.11ac VHT40	151	5755	14.39	15.50
		159	5795	14.36	15.50
	802.11ac VHT80	155	5775	14.49	15.50



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6. Conducted Power of Bluetooth

Ant2		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	11.13	11.37	10.97	12.00
	$\pi/4$ DQPSK	10.40	10.69	10.35	11.50
	8DPSK	10.68	10.89	10.43	11.50
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	-3.20	-2.29	-3.03	-2.00
BLE 2M	GFSK	-3.30	-2.43	-2.89	-2.00

- End of the Appendix -