

Appendix E

Conducted RF Output Power

Measurement of RF conducted Power

1 Conducted Power of Legacy Conducted Power of Legacy (Ant Main)

GSM 850										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		128	190	251	Tune up		128	190	251	Tune up
GPRS (GMSK)	1 TX Slot	32.45	32.42	32.33	34.00	-9.19	23.26	23.23	23.14	24.81
	2 TX Slots	31.40	31.46	31.66	33.00	-6.18	25.22	25.28	25.48	26.82
	3 TX Slots	29.05	29.16	29.38	31.00	-4.42	24.63	24.74	24.96	26.58
	4 TX Slots	28.33	28.44	28.33	30.00	-3.17	25.16	25.27	25.16	26.83
EGPRS (GMSK)	1 TX Slot	32.48	32.45	32.23	34.00	-9.19	23.29	23.26	23.04	24.81
	2 TX Slots	31.44	31.44	31.64	33.00	-6.18	25.26	25.26	25.46	26.82
	3 TX Slots	29.04	29.08	29.43	31.00	-4.42	24.62	24.66	25.01	26.58
	4 TX Slots	28.43	28.12	28.41	30.00	-3.17	25.26	24.95	25.24	26.83
EGPRS (8PSK)	1 TX Slot	26.57	26.58	26.68	28.00	-9.19	17.38	17.39	17.49	18.81
	2 TX Slots	25.63	25.75	25.90	27.00	-6.18	19.45	19.57	19.72	20.82
	3 TX Slots	23.54	24.19	24.27	25.00	-4.42	19.12	19.77	19.85	20.58
	4 TX Slots	22.31	22.78	22.96	23.00	-3.17	19.14	19.61	19.79	19.83

GSM 1900										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GPRS (GMSK)	1 TX Slot	30.05	29.71	29.51	31.00	-9.19	20.86	20.52	20.32	21.81
	2 TX Slots	28.88	28.87	28.72	30.00	-6.18	22.70	22.69	22.54	23.82
	3 TX Slots	27.47	27.53	27.06	29.00	-4.42	23.05	23.11	22.64	24.58
	4 TX Slots	26.18	26.12	26.07	27.00	-3.17	23.01	22.95	22.90	23.83
EGPRS (GMSK)	1 TX Slot	30.04	29.77	29.46	31.00	-9.19	20.85	20.58	20.27	21.81
	2 TX Slots	28.98	28.80	28.70	30.00	-6.18	22.80	22.62	22.52	23.82
	3 TX Slots	27.50	27.62	27.06	29.00	-4.42	23.08	23.20	22.64	24.58
	4 TX Slots	26.25	26.04	26.08	27.00	-3.17	23.08	22.87	22.91	23.83
EGPRS (8PSK)	1 TX Slot	26.41	26.44	26.61	28.00	-9.19	17.22	17.25	17.42	18.81
	2 TX Slots	25.15	25.21	25.51	27.00	-6.18	18.97	19.03	19.33	20.82
	3 TX Slots	23.05	22.95	23.12	24.00	-4.42	18.63	18.53	18.70	19.58
	4 TX Slots	21.57	21.78	21.59	22.00	-3.17	18.40	18.61	18.42	18.83

WCDMA Band II					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.96	22.99	22.93	24.00
HSDPA	Subtest 1	22.91	22.92	22.90	24.00
	Subtest 2	22.99	23.00	22.90	24.00
	Subtest 3	22.51	22.47	22.51	23.50
	Subtest 4	22.44	22.47	22.49	23.50
HSUPA	Subtest 1	22.95	22.94	22.92	24.00
	Subtest 2	20.90	21.00	20.99	22.00
	Subtest 3	21.95	22.02	21.99	23.00
	Subtest 4	21.00	20.93	20.96	22.00
	Subtest 5	22.97	22.93	22.91	24.00
DC-HSDPA	Subtest 1	22.92	22.96	22.88	24.00
	Subtest 2	22.97	22.91	22.94	24.00
	Subtest 3	22.43	22.48	22.40	23.50
	Subtest 4	22.49	22.45	22.50	23.50
HSPA+	16QAM	20.41	20.40	20.44	21.50

WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.99	23.04	23.02	24.00
HSDPA	Subtest 1	22.96	22.88	22.94	24.00
	Subtest 2	22.97	22.95	22.89	24.00
	Subtest 3	22.47	22.51	22.47	23.50
	Subtest 4	22.43	22.44	22.51	23.50
HSUPA	Subtest 1	22.89	23.01	22.93	24.00
	Subtest 2	20.93	20.96	21.01	22.00
	Subtest 3	22.01	22.00	21.95	23.00
	Subtest 4	20.94	21.03	20.94	22.00
	Subtest 5	22.89	22.99	22.95	24.00
DC-HSDPA	Subtest 1	22.96	22.94	22.90	24.00
	Subtest 2	22.88	22.88	22.92	24.00
	Subtest 3	22.49	22.47	22.51	23.50
	Subtest 4	22.50	22.45	22.41	23.50
HSPA+	16QAM	20.48	20.50	20.43	21.50

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.01	23.13	22.99	24.00
HSDPA	Subtest 1	22.88	22.89	22.98	24.00
	Subtest 2	22.90	22.95	22.89	24.00
	Subtest 3	22.50	22.47	22.48	23.50
	Subtest 4	22.51	22.43	22.46	23.50
HSUPA	Subtest 1	22.94	22.95	22.92	24.00
	Subtest 2	20.98	20.95	21.01	22.00
	Subtest 3	21.98	21.97	21.93	23.00
	Subtest 4	20.89	20.94	20.97	22.00
	Subtest 5	22.94	22.94	22.88	24.00
DC-HSDPA	Subtest 1	22.91	22.87	22.94	24.00
	Subtest 2	22.88	22.98	22.97	24.00
	Subtest 3	22.52	22.51	22.48	23.50
	Subtest 4	22.50	22.41	22.46	23.50
HSPA+	16QAM	20.50	20.48	20.43	21.50

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	23.29	23.28	23.29	24.00
		1	2	23.20	23.22	23.26	24.00
		1	5	23.23	23.27	23.29	24.00
		3	0	23.21	23.18	23.22	24.00
		3	2	23.19	23.30	23.21	24.00
		3	3	23.30	23.25	23.20	24.00
		6	0	22.19	22.21	22.24	23.00
	16QAM	1	0	22.25	22.24	22.27	23.00
		1	2	22.23	22.19	22.20	23.00
		1	5	22.21	22.22	22.25	23.00
		3	0	22.21	22.23	22.23	23.00
		3	2	22.19	22.24	22.19	23.00
		3	3	22.29	22.20	22.18	23.00
		6	0	21.21	21.19	21.27	22.00
	64QAM	1	0	21.23	21.26	21.22	22.00
		1	2	21.26	21.24	21.23	22.00
		1	5	21.25	21.26	21.20	22.00
		3	0	21.18	21.27	21.25	22.00
		3	2	21.22	21.21	21.28	22.00
		3	3	21.26	21.28	21.23	22.00
		6	0	20.27	20.20	20.28	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.29	23.25	23.20	24.00
		1	7	23.27	23.22	23.27	24.00
		1	14	23.21	23.25	23.18	24.00
		8	0	22.26	22.27	22.22	23.00
		8	4	22.23	22.29	22.18	23.00
		8	7	22.24	22.25	22.27	23.00
		15	0	22.27	22.28	22.19	23.00
	16QAM	1	0	22.21	22.30	22.22	23.00
		1	7	22.28	22.23	22.21	23.00
		1	14	22.29	22.19	22.29	23.00
		8	0	21.27	21.26	21.18	22.00
		8	4	21.20	21.26	21.20	22.00
		8	7	21.23	21.26	21.20	22.00
		15	0	21.29	21.25	21.29	22.00
	64QAM	1	0	21.21	21.26	21.27	22.00
		1	7	21.28	21.22	21.25	22.00
		1	14	21.22	21.21	21.19	22.00
		8	0	20.26	20.18	20.20	21.00
		8	4	20.24	20.24	20.29	21.00
		8	7	20.24	20.28	20.28	21.00
		15	0	20.19	20.27	20.19	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.26	23.25	23.23	24.00
		1	13	23.29	23.29	23.27	24.00
		1	24	23.21	23.23	23.30	24.00
		12	0	22.22	22.24	22.22	23.00
		12	6	22.26	22.22	22.28	23.00
		12	13	22.23	22.26	22.30	23.00
		25	0	22.25	22.21	22.18	23.00
	16QAM	1	0	22.29	22.29	22.24	23.00
		1	13	22.26	22.29	22.23	23.00
		1	24	22.29	22.22	22.18	23.00
		12	0	21.19	21.30	21.20	22.00
		12	6	21.25	21.19	21.29	22.00

	64QAM	12	13	21.23	21.27	21.30	22.00
		25	0	21.26	21.24	21.29	22.00
		1	0	21.24	21.26	21.28	22.00
		1	13	21.28	21.25	21.22	22.00
		1	24	21.26	21.23	21.22	22.00
		12	0	20.22	20.26	20.22	21.00
		12	6	20.27	20.23	20.29	21.00
		12	13	20.26	20.23	20.27	21.00
		25	0	20.25	20.19	20.25	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	23.28	23.21	23.29	24.00
		1	25	23.29	23.23	23.28	24.00
		1	49	23.20	23.28	23.27	24.00
		25	0	22.20	22.27	22.26	23.00
		25	13	22.27	22.22	22.29	23.00
		25	25	22.26	22.29	22.29	23.00
		50	0	22.28	22.22	22.20	23.00
	16QAM	1	0	22.29	22.18	22.20	23.00
		1	25	22.29	22.19	22.18	23.00
		1	49	22.22	22.27	22.29	23.00
		25	0	21.27	21.30	21.28	22.00
		25	13	21.27	21.28	21.25	22.00
		25	25	21.24	21.27	21.19	22.00
		50	0	21.23	21.19	21.29	22.00
	64QAM	1	0	21.27	21.28	21.23	22.00
		1	25	21.24	21.29	21.21	22.00
		1	49	21.21	21.26	21.29	22.00
		25	0	20.18	20.29	20.23	21.00
		25	13	20.28	20.28	20.29	21.00
		25	25	20.19	20.24	20.21	21.00
		50	0	20.22	20.19	20.24	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	23.27	23.21	23.29	24.00
		1	38	23.25	23.20	23.25	24.00
		1	74	23.20	23.26	23.26	24.00
		36	0	22.29	22.22	22.28	23.00
		36	18	22.21	22.21	22.28	23.00
		36	39	22.25	22.28	22.23	23.00
		75	0	22.28	22.21	22.22	23.00
	16QAM	1	0	22.30	22.20	22.18	23.00
		1	38	22.22	22.22	22.20	23.00
		1	74	22.26	22.29	22.23	23.00
		36	0	21.29	21.25	21.20	22.00
		36	18	21.27	21.19	21.24	22.00
		36	39	21.18	21.30	21.29	22.00
		75	0	21.19	21.22	21.29	22.00
	64QAM	1	0	21.18	21.23	21.25	22.00
		1	38	21.29	21.28	21.27	22.00
		1	74	21.20	21.23	21.25	22.00
		36	0	20.29	20.22	20.21	21.00
		36	18	20.29	20.20	20.26	21.00
		36	39	20.19	20.27	20.20	21.00
		75	0	20.20	20.19	20.27	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	23.29	23.48	23.21	24.00
		1	50	23.19	23.23	23.24	24.00
		1	99	23.25	23.27	23.28	24.00
		50	0	22.30	22.18	22.25	23.00
		50	25	22.26	22.23	22.22	23.00
		50	50	22.27	22.20	22.27	23.00

	16QAM	100	0	22.24	22.25	22.26	23.00
		1	0	22.20	22.22	22.19	23.00
		1	50	22.28	22.25	22.22	23.00
		1	99	22.19	22.27	22.26	23.00
		50	0	21.27	21.26	21.19	22.00
		50	25	21.20	21.28	21.23	22.00
		50	50	21.20	21.22	21.28	22.00
		100	0	21.20	21.23	21.19	22.00
	64QAM	1	0	21.28	21.20	21.29	22.00
		1	50	21.29	21.19	21.28	22.00
		1	99	21.28	21.20	21.23	22.00
		50	0	20.18	20.24	20.28	21.00
		50	25	20.19	20.24	20.30	21.00
		50	50	20.29	20.30	20.18	21.00
		100	0	20.20	20.19	20.29	21.00

LTE Band 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	23.18	23.20	23.24	24.00
		1	2	23.21	23.22	23.19	24.00
		1	5	23.23	23.28	23.20	24.00
		3	0	23.15	23.16	23.17	24.00
		3	2	23.29	23.26	23.23	24.00
		3	3	23.26	23.23	23.28	24.00
	16QAM	6	0	22.19	22.19	22.21	23.00
		1	0	22.24	22.19	22.21	23.00
		1	2	22.20	22.15	22.21	23.00
		1	5	22.16	22.19	22.16	23.00
		3	0	22.18	22.16	22.24	23.00
		3	2	22.26	22.25	22.16	23.00
	64QAM	3	3	22.18	22.29	22.30	23.00
		6	0	21.26	21.26	21.16	22.00
		1	0	21.23	21.26	21.28	22.00
		1	2	21.30	21.16	21.18	22.00
		1	5	21.15	21.27	21.16	22.00
		3	0	21.15	21.19	21.29	22.00
3MHz	QPSK	3	2	21.27	21.18	21.28	22.00
		3	3	21.28	21.19	21.27	22.00
		6	0	20.16	20.18	20.22	21.00
	16QAM	1	0	23.29	23.33	23.34	24.00
		1	7	23.36	23.30	23.30	24.00
		1	14	23.28	23.39	23.29	24.00
	64QAM	8	0	22.35	22.40	22.32	23.00
		8	4	22.29	22.33	22.30	23.00
		8	7	22.33	22.34	22.39	23.00
	16QAM	15	0	22.30	22.31	22.34	23.00
		1	0	22.36	22.31	22.36	23.00
		1	7	22.30	22.30	22.31	23.00
		1	14	22.38	22.31	22.29	23.00
	64QAM	8	0	21.35	21.28	21.34	22.00
		8	4	21.31	21.33	21.29	22.00
		8	7	21.32	21.32	21.30	22.00
	16QAM	15	0	21.37	21.29	21.33	22.00
		1	0	21.29	21.30	21.36	22.00
		1	7	21.37	21.40	21.34	22.00
		1	14	21.29	21.38	21.38	22.00
	64QAM	8	0	20.37	20.38	20.40	21.00
		8	4	20.39	20.34	20.36	21.00
		8	7	20.29	20.36	20.31	21.00

		15	0	20.35	20.30	20.32	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.28	23.30	23.29	24.00
		1	13	23.36	23.38	23.40	24.00
		1	24	23.33	23.32	23.36	24.00
		12	0	22.37	22.30	22.38	23.00
		12	6	22.30	22.30	22.36	23.00
		12	13	22.38	22.36	22.40	23.00
		25	0	22.31	22.37	22.36	23.00
	16QAM	1	0	22.34	22.32	22.31	23.00
		1	13	22.40	22.38	22.35	23.00
		1	24	22.30	22.39	22.40	23.00
		12	0	21.36	21.34	21.31	22.00
		12	6	21.35	21.35	21.37	22.00
		12	13	21.32	21.32	21.34	22.00
		25	0	21.38	21.39	21.33	22.00
	64QAM	1	0	21.33	21.35	21.33	22.00
		1	13	21.38	21.39	21.35	22.00
		1	24	21.40	21.38	21.32	22.00
		12	0	20.32	20.36	20.39	21.00
		12	6	20.32	20.28	20.35	21.00
		12	13	20.29	20.38	20.29	21.00
		25	0	20.38	20.33	20.28	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.33	23.34	23.37	24.00
		1	25	23.33	23.36	23.32	24.00
		1	49	23.30	23.34	23.36	24.00
		25	0	22.37	22.35	22.37	23.00
		25	13	22.32	22.33	22.34	23.00
		25	25	22.39	22.29	22.37	23.00
		50	0	22.30	22.29	22.35	23.00
	16QAM	1	0	22.28	22.34	22.34	23.00
		1	25	22.39	22.31	22.31	23.00
		1	49	22.30	22.30	22.38	23.00
		25	0	21.36	21.35	21.29	22.00
		25	13	21.30	21.30	21.39	22.00
		25	25	21.37	21.34	21.38	22.00
		50	0	21.31	21.40	21.32	22.00
	64QAM	1	0	21.30	21.37	21.30	22.00
		1	25	21.33	21.34	21.37	22.00
		1	49	21.38	21.38	21.40	22.00
		25	0	20.33	20.40	20.39	21.00
		25	13	20.33	20.35	20.30	21.00
		25	25	20.40	20.30	20.36	21.00
		50	0	20.30	20.39	20.39	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.29	23.39	23.38	24.00
		1	38	23.38	23.30	23.32	24.00
		1	74	23.38	23.32	23.37	24.00
		36	0	22.28	22.40	22.33	23.00
		36	18	22.38	22.35	22.34	23.00
		36	39	22.32	22.33	22.37	23.00
		75	0	22.39	22.38	22.37	23.00
	16QAM	1	0	22.39	22.38	22.32	23.00
		1	38	22.36	22.37	22.31	23.00
		1	74	22.29	22.31	22.33	23.00
		36	0	21.32	21.32	21.40	22.00
		36	18	21.32	21.32	21.36	22.00
		36	39	21.38	21.40	21.36	22.00
		75	0	21.30	21.37	21.28	22.00

		1	0	21.36	21.39	21.34	22.00
		1	38	21.29	21.34	21.31	22.00
		1	74	21.29	21.33	21.33	22.00
	64QAM	36	0	20.33	20.36	20.28	21.00
		36	18	20.30	20.35	20.29	21.00
		36	39	20.30	20.38	20.32	21.00
		75	0	20.35	20.33	20.38	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.36	/	24.00
		1	50	/	23.32	/	24.00
		1	99	/	23.34	/	24.00
		50	0	/	22.37	/	23.00
		50	25	/	22.38	/	23.00
		50	50	/	22.33	/	23.00
		100	0	/	22.34	/	23.00
	16QAM	1	0	/	22.30	/	23.00
		1	50	/	22.35	/	23.00
		1	99	/	22.29	/	23.00
		50	0	/	21.33	/	22.00
		50	25	/	21.38	/	22.00
		50	50	/	21.39	/	22.00
		100	0	/	21.30	/	22.00
	64QAM	1	0	/	21.29	/	22.00
		1	50	/	21.34	/	22.00
		1	99	/	21.37	/	22.00
		50	0	/	20.30	/	21.00
		50	25	/	20.36	/	21.00
		50	50	/	20.33	/	21.00
		100	0	/	20.30	/	21.00

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	23.27	23.30	23.25	24.00
		1	2	23.28	23.27	23.30	24.00
		1	5	23.22	23.25	23.21	24.00
		3	0	23.26	23.26	23.16	24.00
		3	2	23.21	23.24	23.27	24.00
		3	3	23.26	23.30	23.27	24.00
		6	0	22.29	22.27	22.19	23.00
	16QAM	1	0	22.24	22.16	22.25	23.00
		1	2	22.15	22.25	22.17	23.00
		1	5	22.27	22.27	22.17	23.00
		3	0	22.24	22.27	22.22	23.00
		3	2	22.20	22.18	22.16	23.00
		3	3	22.23	22.17	22.17	23.00
		6	0	21.17	21.18	21.18	22.00
	64QAM	1	0	21.22	21.15	21.19	22.00
		1	2	21.18	21.21	21.17	22.00
		1	5	21.25	21.18	21.25	22.00
		3	0	21.24	21.17	21.22	22.00
		3	2	21.27	21.29	21.29	22.00
		3	3	21.26	21.29	21.22	22.00
		6	0	20.16	20.18	20.20	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.27	23.25	23.16	24.00
		1	7	23.17	23.22	23.28	24.00
		1	14	23.16	23.16	23.26	24.00
		8	0	22.16	22.18	22.20	23.00
		8	4	22.28	22.19	22.28	23.00

		8	7	22.17	22.27	22.26	23.00
		15	0	22.23	22.22	22.22	23.00
		1	0	22.16	22.26	22.25	23.00
	16QAM	1	7	22.27	22.30	22.28	23.00
		1	14	22.28	22.20	22.28	23.00
		8	0	21.23	21.17	21.17	22.00
		8	4	21.16	21.21	21.16	22.00
		8	7	21.21	21.16	21.29	22.00
		15	0	21.25	21.27	21.17	22.00
	64QAM	1	0	21.29	21.17	21.16	22.00
		1	7	21.22	21.29	21.25	22.00
		1	14	21.28	21.27	21.18	22.00
		8	0	20.25	20.19	20.28	21.00
		8	4	20.24	20.17	20.28	21.00
		8	7	20.15	20.29	20.24	21.00
		15	0	20.28	20.29	20.18	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.22	23.25	23.26	24.00
		1	13	23.26	23.16	23.29	24.00
		1	24	23.30	23.19	23.30	24.00
		12	0	22.21	22.18	22.23	23.00
		12	6	22.19	22.18	22.23	23.00
		12	13	22.21	22.17	22.25	23.00
		25	0	22.29	22.16	22.28	23.00
	16QAM	1	0	22.24	22.25	22.20	23.00
		1	13	22.29	22.19	22.23	23.00
		1	24	22.20	22.16	22.15	23.00
		12	0	21.18	21.26	21.17	22.00
		12	6	21.24	21.29	21.20	22.00
		12	13	21.27	21.28	21.15	22.00
		25	0	21.23	21.23	21.18	22.00
	64QAM	1	0	21.20	21.29	21.21	22.00
		1	13	21.26	21.26	21.28	22.00
		1	24	21.20	21.27	21.19	22.00
		12	0	20.23	20.17	20.21	21.00
		12	6	20.30	20.20	20.15	21.00
		12	13	20.25	20.28	20.25	21.00
		25	0	20.22	20.17	20.28	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20525	/	
10MHz	QPSK	1	0	/	23.35	/	24.00
		1	25	/	23.34	/	24.00
		1	49	/	23.34	/	24.00
		25	0	/	22.30	/	23.00
		25	13	/	22.32	/	23.00
		25	25	/	22.38	/	23.00
		50	0	/	22.36	/	23.00
	16QAM	1	0	/	22.31	/	23.00
		1	25	/	22.34	/	23.00
		1	49	/	22.32	/	23.00
		25	0	/	21.37	/	22.00
		25	13	/	21.36	/	22.00
		25	25	/	21.33	/	22.00
		50	0	/	21.27	/	22.00
	64QAM	1	0	/	21.39	/	22.00
		1	25	/	21.36	/	22.00
		1	49	/	21.33	/	22.00
		25	0	/	20.33	/	21.00
		25	13	/	20.37	/	21.00
		25	25	/	20.30	/	21.00
		50	0	/	20.38	/	21.00

LTE Band 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.52	23.54	23.53	24.00
		1	13	23.49	23.51	23.57	24.00
		1	24	23.55	23.48	23.57	24.00
		12	0	22.47	22.58	22.56	23.00
		12	6	22.54	22.58	22.46	23.00
		12	13	22.46	22.51	22.54	23.00
		25	0	22.58	22.52	22.50	23.00
	16QAM	1	0	22.53	22.50	22.56	23.00
		1	13	22.59	22.52	22.58	23.00
		1	24	22.57	22.52	22.59	23.00
		12	0	21.52	21.50	21.47	22.00
		12	6	21.58	21.60	21.57	22.00
		12	13	21.49	21.55	21.59	22.00
		25	0	21.47	21.51	21.50	22.00
	64QAM	1	0	21.55	21.46	21.58	22.00
		1	13	21.53	21.55	21.48	22.00
		1	24	21.50	21.49	21.59	22.00
		12	0	20.48	20.54	20.45	21.00
		12	6	20.54	20.59	20.60	21.00
		12	13	20.53	20.58	20.46	21.00
		25	0	20.52	20.51	20.54	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	23.53	23.65	23.56	24.00
		1	25	23.60	23.58	23.53	24.00
		1	49	23.61	23.60	23.59	24.00
		25	0	22.56	22.51	22.59	23.00
		25	13	22.54	22.53	22.62	23.00
		25	25	22.65	22.56	22.54	23.00
		50	0	22.65	22.58	22.63	23.00
	16QAM	1	0	22.61	22.59	22.56	23.00
		1	25	22.57	22.54	22.51	23.00
		1	49	22.52	22.64	22.60	23.00
		25	0	21.55	21.52	21.62	22.00
		25	13	21.51	21.62	21.53	22.00
		25	25	21.54	21.55	21.65	22.00
		50	0	21.63	21.65	21.56	22.00
	64QAM	1	0	21.65	21.53	21.58	22.00
		1	25	21.53	21.65	21.63	22.00
		1	49	21.62	21.61	21.55	22.00
		25	0	20.55	20.65	20.52	21.00
		25	13	20.56	20.58	20.58	21.00
		25	25	20.55	20.60	20.65	21.00
		50	0	20.65	20.57	20.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	23.52	23.52	23.65	24.00
		1	38	23.60	23.53	23.65	24.00
		1	74	23.59	23.55	23.55	24.00
		36	0	22.56	22.56	22.64	23.00
		36	18	22.53	22.63	22.53	23.00
		36	39	22.51	22.60	22.55	23.00
		75	0	22.58	22.58	22.57	23.00
	16QAM	1	0	22.60	22.62	22.64	23.00
		1	38	22.59	22.65	22.56	23.00
		1	74	22.52	22.64	22.54	23.00
		36	0	21.62	21.58	21.57	22.00
		36	18	21.60	21.63	21.50	22.00
		36	39	21.58	21.56	21.56	22.00

	64QAM	75	0	21.51	21.62	21.59	22.00
		1	0	21.53	21.51	21.55	22.00
		1	38	21.61	21.63	21.59	22.00
		1	74	21.50	21.61	21.55	22.00
		36	0	20.51	20.52	20.53	21.00
		36	18	20.64	20.64	20.62	21.00
		36	39	20.57	20.63	20.58	21.00
		75	0	20.54	20.57	20.62	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	23.71	23.77	23.73	24.00
		1	50	23.68	23.65	23.70	24.00
		1	99	23.64	23.71	23.64	24.00
		50	0	22.65	22.72	22.71	23.00
		50	25	22.63	22.67	22.68	23.00
		50	50	22.61	22.64	22.60	23.00
		100	0	22.55	22.67	22.62	23.00
	16QAM	1	0	22.66	22.63	22.74	23.00
		1	50	22.69	22.62	22.70	23.00
		1	99	22.69	22.71	22.73	23.00
		50	0	21.63	21.73	21.63	22.00
		50	25	21.66	21.62	21.67	22.00
		50	50	21.66	21.69	21.74	22.00
		100	0	21.62	21.67	21.70	22.00
	64QAM	1	0	21.71	21.64	21.71	22.00
		1	50	21.65	21.67	21.62	22.00
		1	99	21.73	21.61	21.70	22.00
		50	0	20.65	20.74	20.74	21.00
		50	25	20.64	20.71	20.74	21.00
		50	50	20.62	20.62	20.74	21.00
		100	0	20.68	20.62	20.68	21.00

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	22.84	22.88	22.86	24.00
		1	2	22.86	22.87	22.88	24.00
		1	5	22.87	22.86	22.86	24.00
		3	0	22.85	22.86	22.88	24.00
		3	2	22.88	22.86	22.89	24.00
		3	3	22.86	22.85	22.88	24.00
		6	0	21.85	21.89	21.86	23.00
	16QAM	1	0	21.86	21.87	21.87	23.00
		1	2	21.86	21.88	21.86	23.00
		1	5	21.85	21.86	21.88	23.00
		3	0	21.87	21.89	21.88	23.00
		3	2	21.89	21.87	21.87	23.00
		3	3	21.88	21.85	21.88	23.00
		6	0	20.88	20.88	20.87	22.00
	64QAM	1	0	20.88	20.85	20.89	22.00
		1	2	20.88	20.86	20.85	22.00
		1	5	20.88	20.85	20.86	22.00
		3	0	20.87	20.88	20.88	22.00
		3	2	20.88	20.88	20.86	22.00
		3	3	20.89	20.88	20.87	22.00
		6	0	19.86	19.85	19.88	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	22.86	22.89	22.87	24.00
		1	7	22.79	22.82	22.81	24.00
		1	14	22.81	22.81	22.81	24.00
		8	0	22.18	22.18	22.17	23.00

		8	4	22.12	22.14	22.12	23.00
		8	7	22.11	22.12	22.12	23.00
		15	0	22.13	22.12	22.13	23.00
	16QAM	1	0	21.82	21.84	21.83	23.00
		1	7	21.77	21.74	21.78	23.00
		1	14	21.78	21.77	21.79	23.00
		8	0	21.17	21.16	21.18	22.00
		8	4	21.08	21.08	21.07	22.00
		8	7	21.11	21.09	21.10	22.00
		15	0	21.08	21.06	21.07	22.00
	64QAM	1	0	20.80	20.82	20.80	22.00
		1	7	20.74	20.75	20.73	22.00
		1	14	20.76	20.74	20.73	22.00
		8	0	20.11	20.12	20.12	21.00
		8	4	20.09	20.08	20.08	21.00
		8	7	20.07	20.05	20.08	21.00
		15	0	20.09	20.06	20.06	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	22.86	22.87	22.85	24.00
		1	13	22.79	22.82	22.79	24.00
		1	24	22.79	22.83	22.83	24.00
		12	0	22.20	22.20	22.17	23.00
		12	6	22.12	22.11	22.15	23.00
		12	13	22.09	22.11	22.09	23.00
		25	0	22.11	22.12	22.14	23.00
	16QAM	1	0	21.83	21.81	21.81	23.00
		1	13	21.77	21.74	21.76	23.00
		1	24	21.77	21.78	21.79	23.00
		12	0	21.17	21.15	21.17	22.00
		12	6	21.11	21.09	21.09	22.00
		12	13	21.11	21.11	21.10	22.00
		25	0	21.06	21.10	21.08	22.00
	64QAM	1	0	20.81	20.80	20.80	22.00
		1	13	20.73	20.77	20.74	22.00
		1	24	20.75	20.72	20.73	22.00
		12	0	20.10	20.10	20.10	21.00
		12	6	20.07	20.09	20.08	21.00
		12	13	20.05	20.06	20.04	21.00
		25	0	20.06	20.08	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23095	/	
10MHz	QPSK	1	0	/	22.94	/	24.00
		1	25	/	22.87	/	24.00
		1	49	/	22.88	/	24.00
		25	0	/	22.25	/	23.00
		25	13	/	22.20	/	23.00
		25	25	/	22.17	/	23.00
		50	0	/	22.19	/	23.00
	16QAM	1	0	/	21.90	/	23.00
		1	25	/	21.83	/	23.00
		1	49	/	21.85	/	23.00
		25	0	/	21.23	/	22.00
		25	13	/	21.16	/	22.00
		25	25	/	21.16	/	22.00
		50	0	/	21.15	/	22.00
	64QAM	1	0	/	20.87	/	22.00
		1	25	/	20.82	/	22.00
		1	49	/	20.81	/	22.00
		25	0	/	20.18	/	21.00
		25	13	/	20.15	/	21.00
		25	25	/	20.13	/	21.00
		50	0	/	20.14	/	21.00

LTE FDD Band 13				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
5MHz	QPSK	1	0	/	23.48	/	24.00
		1	13	/	23.51	/	24.00
		1	24	/	23.52	/	24.00
		12	0	/	22.44	/	23.00
		12	6	/	22.45	/	23.00
		12	13	/	22.40	/	23.00
		25	0	/	22.51	/	23.00
	16QAM	1	0	/	22.51	/	23.00
		1	13	/	22.48	/	23.00
		1	24	/	22.44	/	23.00
		12	0	/	21.44	/	22.00
		12	6	/	21.42	/	22.00
		12	13	/	21.41	/	22.00
		25	0	/	21.53	/	22.00
	64QAM	1	0	/	21.45	/	22.00
		1	13	/	21.54	/	22.00
		1	24	/	21.50	/	22.00
		12	0	/	20.47	/	21.00
		12	6	/	20.44	/	21.00
		12	13	/	20.44	/	21.00
		25	0	/	20.54	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	23.70	/	24.00
		1	25	/	23.40	/	24.00
		1	49	/	23.36	/	24.00
		25	0	/	22.44	/	23.00
		25	13	/	22.42	/	23.00
		25	25	/	22.35	/	23.00
		50	0	/	22.38	/	23.00
	16QAM	1	0	/	22.37	/	23.00
		1	25	/	22.43	/	23.00
		1	49	/	22.43	/	23.00
		25	0	/	21.41	/	22.00
		25	13	/	21.44	/	22.00
		25	25	/	21.3	/	22.00
		50	0	/	21.35	/	22.00
	64QAM	1	0	/	21.39	/	22.00
		1	25	/	21.34	/	22.00
		1	49	/	21.31	/	22.00
		25	0	/	20.38	/	21.00
		25	13	/	20.33	/	21.00
		25	25	/	20.43	/	21.00
		50	0	/	20.32	/	21.00

LTE FDD Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
5MHz	QPSK	1	0	/	22.91	/	24.00
		1	13	/	22.83	/	24.00
		1	24	/	22.90	/	24.00
		12	0	/	21.82	/	23.00
		12	6	/	21.80	/	23.00
		12	13	/	21.92	/	23.00
		25	0	/	21.88	/	23.00
	16QAM	1	0	/	21.92	/	23.00
		1	13	/	21.87	/	23.00

		1	24	/	21.83	/	23.00
		12	0	/	20.94	/	22.00
		12	6	/	20.94	/	22.00
		12	13	/	20.94	/	22.00
		25	0	/	20.86	/	22.00
	64QAM	1	0	/	20.89	/	22.00
		1	13	/	20.87	/	22.00
		1	24	/	20.92	/	22.00
		12	0	/	19.81	/	21.00
		12	6	/	19.83	/	21.00
		12	13	/	19.86	/	21.00
		25	0	/	19.82	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
10MHz	QPSK	1	0	/	23.09	/	24.00
		1	25	/	23.04	/	24.00
		1	49	/	22.99	/	24.00
		25	0	/	21.91	/	23.00
		25	13	/	21.99	/	23.00
		25	25	/	21.94	/	23.00
	16QAM	50	0	/	21.96	/	23.00
		1	0	/	21.99	/	23.00
		1	25	/	22.03	/	23.00
		1	49	/	21.96	/	23.00
		25	0	/	21.03	/	22.00
		25	13	/	20.92	/	22.00
	64QAM	25	25	/	20.96	/	22.00
		50	0	/	20.97	/	22.00
		1	0	/	20.98	/	22.00
		1	25	/	20.98	/	22.00
		1	49	/	20.94	/	22.00
		25	0	/	19.96	/	21.00
		25	13	/	19.96	/	21.00
		25	25	/	20.05	/	21.00
		50	0	/	20.05	/	21.00

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	23.08	23.08	23.01	24.00
		1	2	23.06	23.10	23.00	24.00
		1	5	23.05	23.02	23.07	24.00
		3	0	23.02	23.05	23.09	24.00
		3	2	22.99	23.00	23.08	24.00
		3	3	23.00	23.06	23.06	24.00
	16QAM	6	0	22.05	22.00	22.08	23.00
		1	0	22.10	22.03	22.02	23.00
		1	2	22.04	22.05	22.08	23.00
		1	5	22.05	22.10	22.07	23.00
		3	0	22.05	22.05	22.02	23.00
		3	2	22.01	22.06	22.03	23.00
	64QAM	3	3	22.00	22.09	22.03	23.00
		6	0	21.04	20.99	21.08	22.00
		1	0	21.02	21.06	21.02	22.00
		1	2	21.02	21.01	21.04	22.00
		1	5	21.00	21.07	21.03	22.00
		3	0	21.06	21.00	21.10	22.00
		3	2	21.00	21.08	21.03	22.00
		3	3	21.06	21.04	21.01	22.00
		6	0	20.09	20.05	20.06	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	

3MHz	QPSK	1	0	23.06	23.13	23.09	24.00
		1	7	23.05	23.12	23.01	24.00
		1	14	23.13	23.08	23.03	24.00
		8	0	22.00	22.02	22.05	23.00
		8	4	22.06	22.07	22.08	23.00
		8	7	22.09	22.02	22.06	23.00
		15	0	22.06	22.01	22.02	23.00
	16QAM	1	0	22.00	22.01	22.02	23.00
		1	7	22.09	22.06	22.03	23.00
		1	14	22.07	22.05	22.06	23.00
		8	0	21.15	21.03	21.11	22.00
		8	4	21.15	21.13	21.12	22.00
		8	7	21.08	21.11	21.10	22.00
		15	0	21.09	21.00	21.13	22.00
	64QAM	1	0	21.08	21.02	21.11	22.00
		1	7	21.13	21.12	21.14	22.00
		1	14	21.04	21.10	21.03	22.00
		8	0	20.15	20.05	20.09	21.00
		8	4	20.00	20.08	20.14	21.00
		8	7	20.07	20.02	20.11	21.00
		15	0	20.03	20.10	20.10	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	23.05	23.13	23.08	24.00
		1	13	23.11	23.02	23.13	24.00
		1	24	23.08	23.01	23.07	24.00
		12	0	22.10	22.10	22.10	23.00
		12	6	22.11	22.13	22.08	23.00
		12	13	22.04	22.09	22.14	23.00
		25	0	22.07	22.08	22.07	23.00
	16QAM	1	0	22.07	22.08	22.02	23.00
		1	13	22.08	22.10	22.13	23.00
		1	24	22.07	22.08	22.04	23.00
		12	0	21.10	21.09	21.11	22.00
		12	6	21.08	21.12	21.05	22.00
		12	13	21.02	21.06	21.07	22.00
		25	0	21.07	21.06	21.04	22.00
	64QAM	1	0	21.01	21.12	21.04	22.00
		1	13	21.10	21.11	21.14	22.00
		1	24	21.10	21.13	21.13	22.00
		12	0	20.12	20.01	20.04	21.00
		12	6	20.07	20.03	20.01	21.00
		12	13	20.12	20.07	20.06	21.00
		25	0	20.02	20.07	20.15	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	23.01	23.15	23.04	24.00
		1	25	23.05	23.02	23.11	24.00
		1	49	23.05	23.03	23.09	24.00
		25	0	22.12	22.05	22.05	23.00
		25	13	22.10	22.03	22.04	23.00
		25	25	22.10	22.13	22.09	23.00
		50	0	22.03	22.11	22.15	23.00
	16QAM	1	0	22.14	22.00	22.12	23.00
		1	25	22.13	22.06	22.13	23.00
		1	49	22.04	22.12	22.11	23.00
		25	0	21.11	21.07	21.02	22.00
		25	13	21.06	21.08	21.03	22.00
		25	25	21.02	21.15	21.01	22.00
		50	0	21.15	21.08	21.02	22.00
	64QAM	1	0	21.06	21.01	21.07	22.00
		1	25	21.03	21.06	21.07	22.00
		1	49	21.09	21.05	21.09	22.00

		25	0	20.09	20.10	20.01	21.00
		25	13	20.04	20.09	20.06	21.00
		25	25	20.07	20.06	20.05	21.00
		50	0	20.02	20.04	20.02	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	23.02	23.08	23.13	24.00
		1	38	23.05	23.10	23.11	24.00
		1	74	23.01	23.13	23.00	24.00
		36	0	22.08	22.03	22.00	23.00
		36	18	22.11	22.04	22.04	23.00
		36	39	22.11	22.12	22.10	23.00
	16QAM	75	0	22.01	22.08	22.14	23.00
		1	0	22.07	22.04	22.03	23.00
		1	38	22.07	22.08	22.08	23.00
		1	74	22.06	22.14	22.14	23.00
		36	0	21.02	21.05	21.01	22.00
		36	18	21.09	21.05	21.01	22.00
	64QAM	36	39	21.01	21.03	21.11	22.00
		75	0	21.07	21.13	21.02	22.00
		1	0	21.06	21.02	21.13	22.00
		1	38	21.02	21.11	21.14	22.00
		1	74	21.06	21.01	21.13	22.00
		36	0	20.06	20.00	20.02	21.00
20MHz	QPSK	36	18	20.01	20.13	20.11	21.00
		36	39	20.02	20.12	20.14	21.00
		75	0	20.11	20.11	20.10	21.00
	16QAM	1	0	23.23	23.27	23.22	24.00
		1	50	23.19	23.13	23.15	24.00
		1	99	23.19	23.15	23.09	24.00
	64QAM	50	0	22.21	22.26	22.16	23.00
		50	25	22.09	22.19	22.13	23.00
		50	50	22.16	22.14	22.11	23.00
		100	0	22.17	22.23	22.17	23.00
	16QAM	1	0	22.16	22.13	22.09	23.00
		1	50	22.11	22.15	22.13	23.00
		1	99	22.19	22.16	22.16	23.00
	64QAM	50	0	21.15	21.08	21.11	22.00
		50	25	21.09	21.11	21.19	22.00
		50	50	21.06	21.12	21.06	22.00
		100	0	21.08	21.08	21.09	22.00
	16QAM	1	0	21.08	21.12	21.16	22.00
		1	50	21.17	21.12	21.15	22.00
		1	99	21.12	21.19	21.18	22.00
	64QAM	50	0	20.15	20.18	20.12	21.00
		50	25	20.09	20.13	20.14	21.00
		50	50	20.13	20.16	20.08	21.00
		100	0	20.10	20.13	20.12	21.00

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	23.18	23.12	23.15	24.00
		1	2	23.19	23.19	23.16	24.00
		1	5	23.13	23.07	23.14	24.00
		3	0	23.16	23.19	23.13	24.00
		3	2	23.08	23.19	23.12	24.00
		3	3	23.14	23.09	23.15	24.00
	16QAM	6	0	22.12	22.12	22.12	23.00
		1	0	22.14	22.14	22.12	23.00

		1	2	22.10	22.08	22.07	23.00
		1	5	22.11	22.14	22.15	23.00
		3	0	22.07	22.09	22.14	23.00
		3	2	22.06	22.19	22.14	23.00
		3	3	22.16	22.13	22.12	23.00
		6	0	21.16	21.06	21.19	22.00
	64QAM	1	0	21.08	21.20	21.10	22.00
		1	2	21.06	21.16	21.09	22.00
		1	5	21.12	21.11	21.16	22.00
		3	0	21.10	21.17	21.08	22.00
		3	2	21.08	21.14	21.08	22.00
		3	3	21.17	21.18	21.08	22.00
		6	0	20.06	20.11	20.15	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.19	23.12	23.12	24.00
		1	7	23.11	23.09	23.13	24.00
		1	14	23.18	23.10	23.15	24.00
		8	0	22.18	22.05	22.10	23.00
		8	4	22.19	22.08	22.05	23.00
		8	7	22.13	22.12	22.18	23.00
	16QAM	15	0	22.07	22.12	22.07	23.00
		1	0	22.08	22.11	22.18	23.00
		1	7	22.06	22.17	22.19	23.00
		1	14	22.06	22.08	22.17	23.00
		8	0	21.12	21.13	21.05	22.00
		8	4	21.12	21.12	21.06	22.00
	64QAM	8	7	21.11	21.10	21.07	22.00
		15	0	21.11	21.05	21.20	22.00
		1	0	21.08	21.16	21.10	22.00
		1	7	21.10	21.19	21.08	22.00
		1	14	21.09	21.12	21.15	22.00
		8	0	20.14	20.07	20.16	21.00
		8	4	20.14	20.11	20.20	21.00
		8	7	20.16	20.13	20.10	21.00
		15	0	20.15	20.13	20.09	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	23.09	23.20	23.19	24.00
		1	13	23.16	23.18	23.19	24.00
		1	24	23.18	23.15	23.07	24.00
		12	0	22.08	22.13	22.05	23.00
		12	6	22.13	22.07	22.19	23.00
		12	13	22.08	22.16	22.16	23.00
	16QAM	25	0	22.19	22.09	22.12	23.00
		1	0	22.05	22.19	22.10	23.00
		1	13	22.06	22.18	22.10	23.00
		1	24	22.06	22.20	22.06	23.00
		12	0	21.19	21.11	21.09	22.00
		12	6	21.13	21.15	21.06	22.00
	64QAM	12	13	21.16	21.16	21.19	22.00
		25	0	21.06	21.13	21.13	22.00
		1	0	21.11	21.15	21.08	22.00
		1	13	21.13	21.11	21.16	22.00
		1	24	21.20	21.11	21.14	22.00
		12	0	20.10	20.12	20.08	21.00
		12	6	20.14	20.14	20.11	21.00
		12	13	20.09	20.07	20.08	21.00
		25	0	20.19	20.09	20.10	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	23.08	23.14	23.08	24.00
		1	25	23.20	23.12	23.20	24.00

		1	49	23.06	23.13	23.09	24.00
		25	0	22.05	22.16	22.14	23.00
		25	13	22.12	22.15	22.10	23.00
		25	25	22.08	22.13	22.15	23.00
		50	0	22.08	22.10	22.11	23.00
	16QAM	1	0	22.11	22.10	22.10	23.00
		1	25	22.13	22.16	22.18	23.00
		1	49	22.11	22.11	22.11	23.00
		25	0	21.15	21.11	21.17	22.00
		25	13	21.17	21.06	21.16	22.00
	64QAM	25	25	21.13	21.14	21.15	22.00
		50	0	21.19	21.10	21.05	22.00
		1	0	21.17	21.09	21.13	22.00
		1	25	21.16	21.13	21.07	22.00
		1	49	21.17	21.08	21.13	22.00
		25	0	20.05	20.14	20.18	21.00
		25	13	20.12	20.14	20.18	21.00
		25	25	20.15	20.06	20.09	21.00
		50	0	20.17	20.10	20.20	21.00
		Bandwidth	Modulation	RB size	RB offset	Channel	Channel
/	26865					/	
15MHz	QPSK	1	0	/	23.37	/	24.00
		1	38	/	23.32	/	24.00
		1	74	/	23.34	/	24.00
		36	0	/	22.32	/	23.00
		36	18	/	22.27	/	23.00
		36	39	/	22.23	/	23.00
		75	0	/	22.25	/	23.00
	16QAM	1	0	/	22.34	/	23.00
		1	38	/	22.34	/	23.00
		1	74	/	22.21	/	23.00
		36	0	/	21.28	/	22.00
		36	18	/	21.29	/	22.00
		36	39	/	21.30	/	22.00
		75	0	/	21.20	/	22.00
	64QAM	1	0	/	21.28	/	22.00
		1	38	/	21.35	/	22.00
		1	74	/	21.26	/	22.00
		36	0	/	20.24	/	21.00
		36	18	/	20.26	/	21.00
		36	39	/	20.24	/	21.00
75		0	/	20.35	/	21.00	

LTE FDD Band 30				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
5MHz	QPSK	1	0	/	23.28	/	24.00
		1	13	/	23.28	/	24.00
		1	24	/	23.29	/	24.00
		12	0	/	22.31	/	23.00
		12	6	/	22.27	/	23.00
		12	13	/	22.28	/	23.00
	16QAM	25	0	/	22.31	/	23.00
		1	0	/	22.28	/	23.00
		1	13	/	22.30	/	23.00
		1	24	/	22.31	/	23.00
		12	0	/	21.29	/	22.00
		12	6	/	21.28	/	22.00
	64QAM	12	13	/	21.28	/	22.00
		25	0	/	21.28	/	22.00
		1	0	/	21.28	/	22.00
1		13	/	21.27	/	22.00	

		1	24	/	21.29	/	22.00
		12	0	/	20.30	/	21.00
		12	6	/	20.29	/	21.00
		12	13	/	20.30	/	21.00
		25	0	/	20.31	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	27710	/	
10MHz	QPSK	1	0	/	23.38	/	24.00
		1	25	/	23.20	/	24.00
		1	49	/	23.21	/	24.00
		25	0	/	22.66	/	23.00
		25	13	/	22.50	/	23.00
		25	25	/	22.51	/	23.00
		50	0	/	22.47	/	23.00
	16QAM	1	0	/	22.36	/	23.00
		1	25	/	22.17	/	23.00
		1	49	/	22.20	/	23.00
		25	0	/	21.63	/	22.00
		25	13	/	21.46	/	22.00
		25	25	/	21.48	/	22.00
		50	0	/	21.43	/	22.00
	64QAM	1	0	/	21.33	/	22.00
		1	25	/	21.12	/	22.00
		1	49	/	21.16	/	22.00
		25	0	/	20.61	/	21.00
		25	13	/	20.42	/	21.00
		25	25	/	20.46	/	21.00
		50	0	/	20.39	/	21.00

LTE Band 38				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.43	23.43	23.42	24.00
		1	13	23.43	23.43	23.45	24.00
		1	24	23.44	23.45	23.46	24.00
		12	0	22.45	22.42	22.45	23.00
		12	6	22.46	22.43	22.46	23.00
		12	13	22.44	22.44	22.45	23.00
		25	0	22.45	22.45	22.45	23.00
	16QAM	1	0	22.45	22.44	22.43	23.00
		1	13	22.42	22.42	22.46	23.00
		1	24	22.46	22.44	22.46	23.00
		12	0	21.45	21.43	21.45	22.00
		12	6	21.45	21.43	21.44	22.00
		12	13	21.42	21.46	21.45	22.00
		25	0	21.46	21.45	21.45	22.00
	64QAM	1	0	21.45	21.44	21.45	22.00
		1	13	21.44	21.45	21.45	22.00
		1	24	21.45	21.42	21.45	22.00
		12	0	20.45	20.44	20.45	21.00
		12	6	20.44	20.44	20.45	21.00
		12	13	20.42	20.45	20.46	21.00
		25	0	20.45	20.45	20.44	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.46	23.45	23.47	24.00
		1	25	23.49	23.46	23.46	24.00
		1	49	23.45	23.47	23.49	24.00
		25	0	22.47	22.48	22.49	23.00
		25	13	22.46	22.45	22.48	23.00
		25	25	22.48	22.49	22.45	23.00
		50	0	22.46	22.46	22.46	23.00

	16QAM	1	0	22.46	22.45	22.48	23.00
		1	25	22.47	22.47	22.47	23.00
		1	49	22.46	22.46	22.48	23.00
		25	0	21.47	21.46	21.49	22.00
		25	13	21.46	21.46	21.47	22.00
		25	25	21.46	21.49	21.47	22.00
		50	0	21.48	21.46	21.47	22.00
	64QAM	1	0	21.48	21.47	21.48	22.00
		1	25	21.49	21.48	21.48	22.00
		1	49	21.46	21.48	21.47	22.00
		25	0	20.48	20.46	20.49	21.00
		25	13	20.45	20.47	20.47	21.00
		25	25	20.47	20.48	20.47	21.00
		50	0	20.48	20.45	20.46	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	37825	38000	38175	
		1	38	23.45	23.45	23.48	24.00
		1	74	23.48	23.49	23.47	24.00
		1	74	23.47	23.48	23.49	24.00
		36	0	22.46	22.46	22.46	23.00
		36	18	22.47	22.47	22.47	23.00
		36	39	22.47	22.47	22.48	23.00
	16QAM	75	0	22.46	22.47	22.46	23.00
		1	0	22.49	22.46	22.46	23.00
		1	38	22.46	22.49	22.49	23.00
		1	74	22.46	22.45	22.46	23.00
		36	0	21.47	21.46	21.48	22.00
		36	18	21.48	21.46	21.49	22.00
		36	39	21.47	21.45	21.46	22.00
	64QAM	75	0	21.49	21.46	21.47	22.00
		1	0	21.49	21.49	21.46	22.00
		1	38	21.48	21.49	21.46	22.00
		1	74	21.47	21.46	21.45	22.00
		36	0	20.47	20.46	20.45	21.00
		36	18	20.47	20.48	20.47	21.00
		36	39	20.47	20.45	20.49	21.00
		75	0	20.48	20.47	20.45	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	/	38000	/	
		1	50	/	23.59	/	24.00
		1	99	/	23.57	/	24.00
		1	99	/	23.57	/	24.00
		50	0	/	22.55	/	23.00
		50	25	/	22.55	/	23.00
		50	50	/	22.58	/	23.00
	16QAM	100	0	/	22.57	/	23.00
		1	0	/	22.57	/	23.00
		1	50	/	22.57	/	23.00
		1	99	/	22.58	/	23.00
		50	0	/	21.55	/	22.00
		50	25	/	21.56	/	22.00
		50	50	/	21.57	/	22.00
	64QAM	100	0	/	21.57	/	22.00
		1	0	/	21.57	/	22.00
		1	50	/	21.57	/	22.00
		1	99	/	21.55	/	22.00
		50	0	/	20.55	/	21.00
		50	25	/	20.56	/	21.00
		50	50	/	20.59	/	21.00
		100	0	/	20.57	/	21.00

LTE Band 41 2496 - 2690

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	23.8	23.58	23.89	23.92	23.54	24.50
		1	13	23.61	23.42	23.72	23.75	23.36	24.50
		1	24	23.6	23.42	23.76	23.72	23.42	24.50
		12	0	22.73	22.54	22.89	22.9	22.49	23.50
		12	6	22.68	22.46	22.81	22.85	22.45	23.50
		12	13	22.66	22.55	22.83	22.85	22.46	23.50
		25	0	22.71	22.54	22.82	22.85	22.49	23.50
	16QAM	1	0	22.76	22.57	22.84	22.88	22.54	23.50
		1	13	22.59	22.47	22.67	22.72	22.38	23.50
		1	24	22.58	22.38	22.72	22.7	22.4	23.50
		12	0	21.73	21.59	21.88	21.86	21.54	22.50
		12	6	21.62	21.43	21.8	21.8	21.38	22.50
		12	13	21.66	21.54	21.8	21.81	21.42	22.50
		25	0	21.68	21.48	21.81	21.81	21.43	22.50
	64QAM	1	0	21.74	21.54	21.79	21.91	21.51	22.50
		1	13	21.58	21.45	21.63	21.73	21.32	22.50
		1	24	21.51	21.36	21.71	21.67	21.32	22.50
		12	0	20.78	20.53	20.85	20.84	20.45	21.50
		12	6	20.67	20.45	20.79	20.76	20.39	21.50
		12	13	20.62	20.52	20.75	20.82	20.45	21.50
		25	0	20.63	20.42	20.80	20.80	20.37	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	23.81	23.59	23.88	23.87	23.53	24.50
		1	25	23.63	23.45	23.7	23.71	23.37	24.50
		1	49	23.57	23.46	23.74	23.73	23.43	24.50
		25	0	22.77	22.57	22.86	22.91	22.5	23.50
		25	13	22.69	22.52	22.78	22.84	22.42	23.50
		25	25	22.72	22.53	22.84	22.89	22.44	23.50
		50	0	22.7	22.55	22.84	22.82	22.46	23.50
	16QAM	1	0	22.76	22.56	22.86	22.91	22.52	23.50
		1	25	22.6	22.43	22.65	22.72	22.37	23.50
		1	49	22.55	22.42	22.71	22.7	22.4	23.50
		25	0	21.75	21.58	21.87	21.88	21.5	22.50
		25	13	21.64	21.46	21.8	21.77	21.4	22.50
		25	25	21.65	21.51	21.81	21.83	21.43	22.50
		50	0	21.65	21.5	21.84	21.79	21.41	22.50
	64QAM	1	0	21.72	21.54	21.81	21.90	21.48	22.50
		1	25	21.61	21.42	21.67	21.72	21.36	22.50
		1	49	21.55	21.39	21.71	21.71	21.32	22.50
		25	0	20.78	20.54	20.87	20.84	20.51	21.50
		25	13	20.66	20.47	20.77	20.79	20.38	21.50
		25	25	20.60	20.49	20.80	20.82	20.42	21.50
		50	0	20.60	20.41	20.77	20.78	20.38	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	23.79	23.62	23.89	23.89	23.55	24.50
		1	38	23.65	23.46	23.69	23.75	23.39	24.50
		1	74	23.61	23.43	23.76	23.74	23.43	24.50
		36	0	22.75	22.57	22.87	22.91	22.51	23.50
		36	18	22.67	22.51	22.81	22.85	22.42	23.50
		36	39	22.69	22.54	22.85	22.84	22.44	23.50
		75	0	22.68	22.55	22.86	22.85	22.45	23.50
	16QAM	1	0	22.8	22.55	22.85	22.88	22.53	23.50
		1	38	22.59	22.46	22.65	22.7	22.35	23.50
		1	74	22.54	22.39	22.74	22.68	22.35	23.50
		36	0	21.77	21.58	21.89	21.89	21.5	22.50
		36	18	21.67	21.47	21.8	21.79	21.42	22.50
		36	39	21.63	21.5	21.82	21.81	21.46	22.50
		75	0	21.67	21.47	21.83	21.82	21.42	22.50
	64QAM	1	0	21.74	21.50	21.78	21.87	21.49	22.50

		1	38	21.57	21.44	21.65	21.72	21.35	22.50
		1	74	21.54	21.36	21.67	21.68	21.34	22.50
		36	0	20.76	20.53	20.88	20.81	20.46	21.50
		36	18	20.67	20.46	20.81	20.80	20.34	21.50
		36	39	20.64	20.51	20.76	20.83	20.42	21.50
		75	0	20.64	20.45	20.79	20.80	20.41	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.84	23.67	23.95	23.92	23.60	24.50
		1	50	23.68	23.50	23.76	23.79	23.45	24.50
		1	99	23.66	23.49	23.80	23.77	23.46	24.50
		50	0	22.81	22.63	22.95	22.97	22.57	23.50
		50	25	22.73	22.55	22.86	22.89	22.49	23.50
		50	50	22.75	22.60	22.90	22.93	22.51	23.50
		100	0	22.74	22.58	22.89	22.83	22.52	23.50
	16QAM	1	0	22.83	22.62	22.91	22.96	22.60	23.50
		1	50	22.65	22.50	22.73	22.77	22.44	23.50
		1	99	22.61	22.46	22.79	22.76	22.43	23.50
		50	0	21.81	21.63	21.92	21.94	21.57	22.50
		50	25	21.71	21.52	21.84	21.85	21.45	22.50
		50	50	21.71	21.58	21.86	21.88	21.50	22.50
		100	0	21.71	21.53	21.88	21.86	21.47	22.50
	64QAM	1	0	21.79	21.59	21.87	21.96	21.57	22.50
		1	50	21.65	21.49	21.72	21.77	21.40	22.50
		1	99	21.59	21.43	21.75	21.74	21.41	22.50
		50	0	20.82	20.61	20.91	20.90	20.54	21.50
		50	25	20.71	20.53	20.84	20.85	20.42	21.50
		50	50	20.68	20.57	20.84	20.89	20.48	21.50
		100	0	20.68	20.50	20.86	20.84	20.45	21.50

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	23.67	23.70	23.70	24.00
		1	2	23.66	23.67	23.67	24.00
		1	5	23.68	23.70	23.65	24.00
		3	0	23.66	23.68	23.70	24.00
		3	1	23.66	23.67	23.67	24.00
		3	3	23.66	23.70	23.68	24.00
		6	0	22.65	22.69	22.70	23.00
	16QAM	1	0	22.67	22.70	22.67	23.00
		1	2	22.71	22.70	22.65	23.00
		1	5	22.67	22.71	22.69	23.00
		3	0	22.69	22.68	22.69	23.00
		3	1	22.66	22.66	22.67	23.00
		3	3	22.68	22.68	22.70	23.00
		6	0	21.71	21.71	21.67	22.00
	64QAM	1	0	21.68	21.69	21.69	22.00
		1	2	21.70	21.66	21.70	22.00
		1	5	21.71	21.65	21.66	22.00
		3	0	21.68	21.65	21.67	22.00
		3	1	21.67	21.68	21.65	22.00
		3	3	21.70	21.66	21.66	22.00
		6	0	20.67	20.66	20.66	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.53	23.74	23.59	24.00
		1	7	23.50	23.68	23.53	24.00
		1	14	23.42	23.71	23.59	24.00
		8	0	22.53	22.79	22.58	23.00
		8	4	22.42	22.78	22.51	23.00

		8	7	22.47	22.74	22.57	23.00
		15	0	22.43	22.81	22.54	23.00
		1	0	22.47	22.74	22.61	23.00
	16QAM	1	7	22.42	22.64	22.49	23.00
		1	14	22.45	22.67	22.58	23.00
		8	0	21.48	21.78	21.58	22.00
		8	4	21.45	21.73	21.50	22.00
		8	7	21.40	21.73	21.57	22.00
		15	0	21.36	21.73	21.52	22.00
	64QAM	1	0	21.48	21.72	21.51	22.00
		1	7	21.40	21.62	21.47	22.00
		1	14	21.48	21.66	21.52	22.00
		8	0	20.42	20.83	20.59	21.00
		8	4	20.38	20.70	20.47	21.00
		8	7	20.42	20.69	20.49	21.00
		15	0	20.36	20.80	20.51	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.55	23.73	23.60	24.00
		1	13	23.48	23.67	23.53	24.00
		1	24	23.41	23.70	23.54	24.00
		12	0	22.52	22.79	22.59	23.00
		12	6	22.42	22.78	22.50	23.00
		12	13	22.46	22.78	22.55	23.00
		25	0	22.43	22.79	22.56	23.00
	16QAM	1	0	22.49	22.76	22.57	23.00
		1	13	22.47	22.65	22.49	23.00
		1	24	22.42	22.69	22.57	23.00
		12	0	21.47	21.77	21.54	22.00
		12	6	21.44	21.70	21.48	22.00
		12	13	21.41	21.72	21.55	22.00
		25	0	21.39	21.78	21.53	22.00
	64QAM	1	0	21.52	21.77	21.52	22.00
		1	13	21.43	21.63	21.43	22.00
		1	24	21.50	21.68	21.54	22.00
		12	0	20.46	20.79	20.55	21.00
		12	6	20.41	20.68	20.43	21.00
		12	13	20.43	20.71	20.52	21.00
		25	0	20.35	20.80	20.53	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.56	23.75	23.59	24.00
		1	25	23.44	23.70	23.52	24.00
		1	49	23.40	23.69	23.55	24.00
		25	0	22.51	22.78	22.63	23.00
		25	13	22.42	22.76	22.53	23.00
		25	25	22.44	22.78	22.58	23.00
		50	0	22.44	22.77	22.54	23.00
	16QAM	1	0	22.50	22.74	22.61	23.00
		1	25	22.43	22.63	22.53	23.00
		1	49	22.43	22.70	22.57	23.00
		25	0	21.50	21.75	21.58	22.00
		25	13	21.46	21.71	21.46	22.00
		25	25	21.38	21.74	21.58	22.00
		50	0	21.37	21.75	21.51	22.00
	64QAM	1	0	21.50	21.73	21.55	22.00
		1	25	21.40	21.65	21.42	22.00
		1	49	21.48	21.65	21.55	22.00
		25	0	20.45	20.81	20.59	21.00
		25	13	20.41	20.69	20.48	21.00
		25	25	20.44	20.69	20.48	21.00
		50	0	20.36	20.83	20.51	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.60	23.80	23.63	24.00
		1	38	23.53	23.75	23.60	24.00
		1	74	23.48	23.76	23.62	24.00
		36	0	22.56	22.86	22.66	23.00
		36	18	22.48	22.81	22.58	23.00
		36	39	22.53	22.82	22.63	23.00
		75	0	22.51	22.85	22.60	23.00
	16QAM	1	0	22.56	22.81	22.66	23.00
		1	38	22.51	22.70	22.57	23.00
		1	74	22.50	22.73	22.62	23.00
		36	0	21.53	21.83	21.63	22.00
		36	18	21.51	21.77	21.55	22.00
		36	39	21.45	21.79	21.64	22.00
		75	0	21.43	21.82	21.60	22.00
	64QAM	1	0	21.56	21.81	21.59	22.00
		1	38	21.47	21.70	21.50	22.00
		1	74	21.54	21.73	21.60	22.00
		36	0	20.49	20.87	20.63	21.00
		36	18	20.45	20.77	20.52	21.00
		36	39	20.49	20.75	20.56	21.00
		75	0	20.42	20.86	20.58	21.00
20MHz	QPSK	1	0	23.64	23.89	23.71	24.00
		1	50	23.58	23.81	23.67	24.00
		1	99	23.56	23.83	23.66	24.00
		50	0	22.61	22.95	22.71	23.00
		50	25	22.57	22.87	22.63	23.00
		50	50	22.57	22.87	22.67	23.00
		100	0	22.55	22.90	22.67	23.00
	16QAM	1	0	22.60	22.88	22.70	23.00
		1	50	22.54	22.78	22.63	23.00
		1	99	22.57	22.82	22.66	23.00
		50	0	21.61	21.91	21.70	22.00
		50	25	21.56	21.84	21.60	22.00
		50	50	21.53	21.85	21.67	22.00
		100	0	21.51	21.90	21.66	22.00
	64QAM	1	0	21.59	21.88	21.66	22.00
		1	50	21.53	21.77	21.59	22.00
		1	99	21.58	21.82	21.66	22.00
		50	0	20.57	20.92	20.69	21.00
		50	25	20.51	20.81	20.59	21.00
		50	50	20.54	20.83	20.65	21.00
		100	0	20.49	20.90	20.65	21.00

LTE Band 71				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133297	133447	
5MHz	QPSK	1	0	23.23	23.31	23.24	24.00
		1	13	23.21	23.24	23.22	24.00
		1	24	23.25	23.3	23.22	24.00
		12	0	22.45	22.45	22.47	23.00
		12	6	22.39	22.35	22.36	23.00
		12	13	22.37	22.38	22.43	23.00
		25	0	22.31	22.29	22.38	23.00
	16QAM	1	0	22.3	22.24	22.3	23.00
		1	13	22.18	22.17	22.23	23.00
		1	24	22.18	22.15	22.21	23.00
		12	0	21.44	21.5	21.41	22.00
		12	6	21.38	21.44	21.42	22.00
		12	13	21.4	21.36	21.4	22.00

	64QAM	25	0	21.38	21.37	21.36	22.00
		1	0	21.19	21.23	21.22	22.00
		1	13	21.21	21.24	21.17	22.00
		1	24	21.22	21.17	21.22	22.00
		12	0	20.41	20.39	20.44	21.00
		12	6	20.32	20.25	20.29	21.00
		12	13	20.30	20.36	20.37	21.00
Bandwidth	Modulation	RB size	RB offset	20.30	20.31	20.35	21.00
				Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	133172	133297	133422	
		1	0	23.33	23.32	23.34	24.00
		1	25	23.3	23.28	23.32	24.00
		1	49	23.3	23.33	23.34	24.00
		25	0	22.52	22.49	22.5	23.00
		25	13	22.41	22.44	22.44	23.00
		25	25	22.49	22.5	22.5	23.00
		50	0	22.4	22.4	22.43	23.00
	16QAM	1	0	22.34	22.31	22.33	23.00
		1	25	22.25	22.23	22.25	23.00
		1	49	22.26	22.24	22.27	23.00
		25	0	21.5	21.54	21.53	22.00
		25	13	21.48	21.45	21.47	22.00
		25	25	21.41	21.42	21.43	22.00
		50	0	21.46	21.46	21.44	22.00
	64QAM	1	0	21.30	21.26	21.27	22.00
		1	25	21.25	21.29	21.28	22.00
		1	49	21.24	21.23	21.24	22.00
		25	0	20.49	20.52	20.49	21.00
		25	13	20.34	20.37	20.35	21.00
		25	25	20.41	20.39	20.43	21.00
		50	0	20.39	20.39	20.38	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	/	133297	/	
		1	0	/	23.39	/	24.00
		1	38	/	23.35	/	24.00
		1	74	/	23.37	/	24.00
		36	0	/	22.56	/	23.00
		36	18	/	22.5	/	23.00
		36	39	/	22.54	/	23.00
		75	0	/	22.46	/	23.00
	16QAM	1	0	/	22.38	/	23.00
		1	38	/	22.3	/	23.00
		1	74	/	22.3	/	23.00
		36	0	/	21.58	/	22.00
		36	18	/	21.52	/	22.00
		36	39	/	21.49	/	22.00
		75	0	/	21.5	/	22.00
	64QAM	1	0	/	21.35	/	22.00
		1	38	/	21.33	/	22.00
		1	74	/	21.32	/	22.00
		36	0	/	20.55	/	21.00
		36	18	/	20.43	/	21.00
		36	39	/	20.46	/	21.00
		75	0	/	20.44	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	/	133322	/	
		1	0	/	23.45	/	24.00
		1	50	/	23.38	/	24.00
		1	99	/	23.41	/	24.00
		50	0	/	22.63	/	23.00
		50	25	/	22.54	/	23.00
		50	50	/	22.59	/	23.00
		100	0	/	22.55	/	23.00



	16QAM	1	0	/	22.45	/	23.00
		1	50	/	22.39	/	23.00
		1	99	/	22.37	/	23.00
		50	0	/	21.63	/	22.00
		50	25	/	21.55	/	22.00
		50	50	/	21.55	/	22.00
		100	0	/	21.55	/	22.00
	64QAM	1	0	/	21.42	/	22.00
		1	50	/	21.36	/	22.00
		1	99	/	21.38	/	22.00
		50	0	/	20.59	/	21.00
		50	25	/	20.51	/	21.00
		50	50	/	20.54	/	21.00
		100	0	/	20.53	/	21.00

2 Conducted Power of WIFI and Bluetooth

Conducted Power of Bluetooth

BT Ant2		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	6.61	7.10	6.79	8.00
	$\pi/4$ DQPSK	8.98	9.05	8.49	10.00
	8DPSK	9.10	9.39	8.99	10.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	6.94	7.23	7.18	8.00

Conducted Power of WIFI 2.4G

WIFI 2.4G Ant2					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	18.02	19.00
	6	2437		17.86	19.00
	11	2462		17.72	19.00
802.11g	1	2412	6	19.07	20.00
	6	2437		19.20	20.00
	11	2462		19.08	20.00
802.11n HT20	1	2412	6.5	18.29	19.00
	6	2437		18.24	19.00
	11	2462		18.13	19.00
802.11n HT40	3	2422	13.5	18.04	19.00
	6	2437		18.36	19.00
	9	2452		18.02	19.00

Conducted Power of WIFI 5G

WIFI 5G Ant2					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	18.08	19.00
		40	5200	18.01	19.00
		44	5220	18.06	19.00
		48	5240	17.68	19.00
	802.11n HT20	36	5180	18.11	19.00
		40	5200	18.00	19.00
		44	5220	17.98	19.00
		48	5240	17.52	19.00
	802.11n HT40	38	5190	17.46	19.00
		46	5230	18.28	19.00
	802.11ac VHT20	36	5180	18.05	19.00
		40	5200	17.85	19.00
		44	5220	18.10	19.00
		48	5240	18.12	19.00
	802.11ac VHT40	38	5190	18.10	19.00
		46	5230	18.23	19.00
	802.11ac VHT80	42	5210	18.13	19.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-2A	802.11a	52	5260	18.45	19.00
		56	5280	18.43	19.00
		60	5300	18.42	19.00
		64	5320	18.43	19.00
	802.11n HT20	52	5260	17.71	19.00
		56	5280	17.55	19.00
		60	5300	17.94	19.00
		64	5320	18.10	19.00
	802.11n HT40	54	5270	18.01	19.00
		62	5310	18.23	19.00
	802.11ac VHT20	52	5260	18.31	19.00
		56	5280	18.28	19.00
		60	5300	18.24	19.00
		64	5320	18.44	19.00
	802.11ac VHT40	54	5270	18.55	19.00
		62	5310	18.53	19.00
	802.11ac VHT80	58	5290	17.96	19.00
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz UNII-2C	802.11a	100	5500	18.64	19.00
		104	5520	18.57	19.00
		108	5540	18.49	19.00
		112	5560	18.57	19.00
		116	5580	18.50	19.00
		120	5600	18.05	19.00
		124	5620	17.94	19.00
		128	5640	18.59	19.00
		132	5660	18.51	19.00
		136	5680	18.60	19.00
		140	5700	18.08	19.00
		144	5720	18.01	19.00
	802.11n HT20	100	5500	18.02	19.00
		104	5520	17.92	19.00
		108	5540	17.91	19.00
		112	5560	17.90	19.00
	802.11n HT20	116	5580	17.89	19.00
		120	5600	18.35	19.00
		124	5620	18.28	19.00
		128	5640	18.24	19.00

		132	5660	18.21	19.00	
		136	5680	18.30	19.00	
		140	5700	18.27	19.00	
		144	5720	18.29	19.00	
	802.11n HT40	102	5510	18.01	19.00	
		110	5550	17.90	19.00	
		118	5590	18.17	19.00	
		126	5630	18.00	19.00	
		134	5670	18.41	19.00	
		142	5710	17.91	19.00	
		100	5500	18.54	19.00	
		104	5520	18.43	19.00	
	802.11ac VHT20	108	5540	18.46	19.00	
		112	5560	18.41	19.00	
		116	5580	18.48	19.00	
		120	5600	18.35	19.00	
		124	5620	18.29	19.00	
		128	5640	18.24	19.00	
		132	5660	18.19	19.00	
		136	5680	18.23	19.00	
		140	5700	17.91	19.00	
		144	5720	17.78	19.00	
		802.11ac VHT40	102	5510	18.39	19.00
			110	5550	18.35	19.00
	118		5590	18.17	19.00	
	126		5630	18.36	19.00	
	134		5670	18.36	19.00	
	142		5710	18.35	19.00	
	802.11ac VHT80	106	5530	18.20	19.00	
		122	5610	18.09	19.00	
138		5690	18.03	19.00		
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up	
5GHz UNII-3	802.11a	149	5745	10.01	11.00	
		153	5765	9.96	11.00	
		157	5785	9.92	11.00	
		161	5805	9.90	11.00	
		165	5825	10.20	11.00	
	802.11n HT20	149	5745	9.82	11.00	
		153	5765	9.75	11.00	
		157	5785	10.14	11.00	
		161	5805	10.00	11.00	
		165	5825	9.97	11.00	
	802.11n HT40	151	5755	9.95	11.00	
		159	5795	10.40	11.00	
	802.11ac VHT20	149	5745	9.82	11.00	
		153	5765	9.73	11.00	
		157	5785	10.31	11.00	
		161	5805	10.28	11.00	
		165	5825	10.01	11.00	
	802.11ac VHT40	151	5755	10.12	11.00	
		159	5795	9.92	11.00	
	802.11ac VHT80	155	5775	10.02	11.00	

Conducted Power of Hyper WIFI

Hyper WIFI					
mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ah (1M)	1	903.5	MCS0	23.42	24.00
	3	915.5		23.12	24.00
	5	926.5		23.22	24.00
802.11ah (2M)	1	905	MCS0	20.45	21.00
	3	915		20.15	21.00
	5	925		20.36	21.00
802.11ah (4M)	1	906	MCS0	20.45	21.00
	3	914		20.67	21.00
	5	922		20.62	21.00

- End of the Appendix -