

Appendix E

Conducted RF Output Power



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1 Conducted Power of Legacy

1.1 Conducted Power of Legacy

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	33.18	33.01	32.64	34.00	-9.19	23.99	23.82	23.45	24.81
GPRS (GMSK)	1 TX Slot	32.99	32.70	32.49	34.00	-9.19	23.80	23.51	23.30	24.81
	2 TX Slots	30.95	31.06	30.48	32.00	-6.18	24.77	24.88	24.30	25.82
	3 TX Slots	29.09	28.86	28.68	30.00	-4.42	24.67	24.44	24.26	25.58
	4 TX Slots	27.08	26.89	26.75	28.00	-3.17	23.91	23.72	23.58	24.83
EGPRS (GMSK)	1 TX Slot	32.91	32.62	32.56	34.00	-9.19	23.72	23.43	23.37	24.81
	2 TX Slots	30.96	30.63	30.55	32.00	-6.18	24.78	24.45	24.37	25.82
	3 TX Slots	29.17	28.82	28.64	30.00	-4.42	24.75	24.40	24.22	25.58
	4 TX Slots	27.10	26.97	26.71	28.00	-3.17	23.93	23.80	23.54	24.83
EGPRS (8PSK)	1 TX Slot	26.05	26.18	26.19	27.00	-9.19	16.86	16.99	17.00	17.81
	2 TX Slots	24.73	25.01	24.96	26.00	-6.18	18.55	18.83	18.78	19.82
	3 TX Slots	22.12	22.69	22.47	24.00	-4.42	17.70	18.27	18.05	19.58
	4 TX Slots	20.14	21.56	20.25	22.00	-3.17	16.97	18.39	17.08	18.83

GSM 1900										
Burst Output Power(dBm)						Division Factors	Frame-Average Output Power(dBm)			
Channel		512	661	810	Tune up		512	661	810	Tune up
GSM(GMSK)	GSM	30.12	30.01	30.45	31.50	-9.19	20.93	20.82	21.26	22.31
GPRS (GMSK)	1 TX Slot	31.28	30.41	30.66	31.50	-9.19	22.09	21.22	21.47	22.31
	2 TX Slots	28.09	28.21	28.13	29.00	-6.18	21.91	22.03	21.95	22.82
	3 TX Slots	26.71	26.51	26.55	27.00	-4.42	22.29	22.09	22.13	22.58
	4 TX Slots	24.78	24.62	24.68	25.00	-3.17	21.61	21.45	21.51	21.83
EGPRS (GMSK)	1 TX Slot	31.29	30.39	30.68	31.50	-9.19	22.10	21.20	21.49	22.31
	2 TX Slots	28.23	28.17	28.15	29.00	-6.18	22.05	21.99	21.97	22.82
	3 TX Slots	26.61	26.54	26.54	27.00	-4.42	22.19	22.12	22.12	22.58
	4 TX Slots	24.82	24.65	24.60	25.00	-3.17	21.65	21.48	21.43	21.83
EGPRS (8PSK)	1 TX Slot	27.82	27.15	26.57	28.00	-9.19	18.63	17.96	17.38	18.81
	2 TX Slots	26.30	25.93	25.13	27.00	-6.18	20.12	19.75	18.95	20.82
	3 TX Slots	24.09	24.33	23.59	25.00	-4.42	19.67	19.91	19.17	20.58
	4 TX Slots	21.14	20.87	20.49	22.00	-3.17	17.97	17.70	17.32	18.83

WCDMA Band II					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.19	23.29	23.26	24.00
	12.2kbps AMR	23.16	23.21	23.12	24.00
HSDPA	Subtest 1	23.04	22.62	23.14	24.00
	Subtest 2	23.03	22.64	23.12	24.00
	Subtest 3	23.03	22.64	23.10	24.00
	Subtest 4	23.04	22.66	23.13	24.00
HSUPA	Subtest 1	20.56	20.02	21.12	22.00
	Subtest 2	21.08	20.11	21.02	22.00
	Subtest 3	20.98	20.97	20.97	22.00
	Subtest 4	20.93	20.20	21.21	22.00
	Subtest 5	20.58	20.05	21.45	22.00



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WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	23.06	23.16	22.96	24.00
	12.2kbps AMR	23.01	23.08	22.91	24.00
HSDPA	Subtest 1	20.73	21.53	20.88	22.00
	Subtest 2	20.76	21.51	20.88	22.00
	Subtest 3	20.78	21.51	20.88	22.00
	Subtest 4	20.73	21.46	20.83	22.00
HSUPA	Subtest 1	18.99	19.17	18.48	20.00
	Subtest 2	18.47	19.27	18.65	20.00
	Subtest 3	18.03	19.07	18.39	20.00
	Subtest 4	18.20	19.14	18.23	20.00
	Subtest 5	18.43	18.94	18.66	20.00

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	21.72	21.86	21.81	22.50
	12.2kbps AMR	21.61	21.69	21.56	22.50
HSDPA	Subtest 1	21.95	22.34	21.58	22.50
	Subtest 2	21.96	22.36	21.61	22.50
	Subtest 3	21.96	22.21	21.59	22.50
	Subtest 4	21.92	22.20	21.54	22.50
HSUPA	Subtest 1	19.30	19.91	19.42	21.00
	Subtest 2	19.38	20.24	19.33	21.00
	Subtest 3	19.18	19.99	19.81	21.00
	Subtest 4	19.67	19.76	19.71	21.00
	Subtest 5	19.80	20.05	19.74	21.00

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	23.84	23.75	23.65	24.50
		1	2	23.85	23.80	23.72	24.50
		1	5	23.86	23.72	23.76	24.50
		3	0	23.87	23.79	23.77	24.50
		3	2	23.93	23.84	23.89	24.50
		3	3	23.87	23.85	23.78	24.50
		6	0	22.88	22.92	22.73	23.50
	16QAM	1	0	23.07	22.39	22.90	23.50
		1	2	23.06	22.46	22.91	23.50
		1	5	23.09	22.42	22.90	23.50
		3	0	23.07	22.71	22.65	23.50
		3	2	23.05	22.62	22.66	23.50
		3	3	23.11	22.60	22.69	23.50
		6	0	22.07	21.77	21.84	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.82	23.69	23.69	24.50
		1	7	23.80	23.74	23.68	24.50
		1	14	23.82	23.67	23.70	24.50
		8	0	22.86	22.84	22.77	23.50
		8	4	22.84	22.72	22.72	23.50
		8	7	22.87	22.85	22.82	23.50
		15	0	22.95	22.84	22.77	23.50
		1	0	23.32	23.34	22.59	23.50
	16QAM	1	0	23.32	23.34	22.59	23.50



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		1	7	23.28	23.35	22.56	23.50
		1	14	23.33	23.26	22.58	23.50
		8	0	22.18	22.02	22.00	22.50
		8	4	22.17	21.95	22.07	22.50
		8	7	22.21	21.91	22.07	22.50
		15	0	22.05	21.89	21.86	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.73	23.82	23.68	24.50
		1	13	23.77	23.78	23.57	24.50
		1	24	23.77	23.79	23.62	24.50
		12	0	22.93	22.75	22.74	23.50
		12	6	22.88	22.76	22.78	23.50
		12	13	22.91	22.77	22.73	23.50
	16QAM	25	0	22.80	22.77	22.71	23.50
		1	0	22.09	23.04	22.83	23.50
		1	13	22.08	22.98	22.84	23.50
		1	24	22.08	22.99	22.87	23.50
		12	0	21.99	21.88	21.85	22.50
		12	6	21.99	21.88	21.83	22.50
		12	13	21.98	21.93	21.85	22.50
		25	0	22.06	21.87	21.90	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.84	23.91	23.87	24.50
		1	25	23.82	23.85	23.81	24.50
		1	49	23.80	23.85	23.82	24.50
		25	0	22.91	22.80	22.87	23.50
		25	13	22.83	22.82	22.72	23.50
		25	25	22.88	22.76	22.85	23.50
	16QAM	50	0	22.89	22.85	22.74	23.50
		1	0	23.33	23.06	22.42	23.50
		1	25	23.33	23.06	22.33	23.50
		1	49	23.31	22.98	22.30	23.50
		25	0	21.98	22.04	22.03	22.50
		25	13	22.01	22.02	22.01	22.50
		25	25	21.98	21.97	22.00	22.50
		50	0	21.99	21.98	21.84	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.81	23.89	23.82	24.50
		1	38	23.86	23.82	23.82	24.50
		1	74	23.89	23.81	23.70	24.50
		36	0	22.85	22.78	22.92	23.50
		36	18	22.86	22.77	22.91	23.50
		36	39	22.87	22.77	22.84	23.50
	16QAM	75	0	22.85	22.86	22.91	23.50
		1	0	23.34	23.16	23.25	23.50
		1	38	23.36	23.11	23.25	23.50
		1	74	23.36	23.04	23.14	23.50
		36	0	21.94	22.13	21.97	22.50
		36	18	21.96	22.02	21.99	22.50
		36	39	21.98	21.99	21.87	22.50
		75	0	21.97	22.01	22.01	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.90	23.89	23.93	24.50
		1	50	23.81	23.96	23.74	24.50
		1	99	23.92	23.85	23.93	24.50
		50	0	22.79	22.84	22.75	23.50
		50	25	22.89	22.94	22.88	23.50



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		50	50	22.88	22.88	22.73	23.50
		100	0	22.96	22.78	22.91	23.50
	16QAM	1	0	23.02	22.89	23.43	23.50
		1	50	23.03	22.89	23.37	23.50
		1	99	23.07	22.77	23.29	23.50
		50	0	22.05	21.98	21.97	22.50
		50	25	22.08	22.02	21.97	22.50
		50	50	22.09	22.05	21.93	22.50
		100	0	22.00	21.92	21.97	22.50

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	23.69	23.77	23.77	24.50
		1	2	23.82	23.88	23.80	24.50
		1	5	23.85	23.91	23.79	24.50
		3	0	23.91	23.93	23.88	24.50
		3	2	23.90	23.97	23.89	24.50
		3	3	23.91	23.91	23.79	24.50
		6	0	22.76	22.95	22.81	23.50
	16QAM	1	0	23.03	23.14	23.28	23.50
		1	2	23.06	23.09	23.19	23.50
		1	5	23.06	23.15	23.24	23.50
		3	0	22.85	23.09	22.51	23.50
		3	2	22.87	23.11	22.50	23.50
		3	3	22.82	23.14	22.49	23.50
		6	0	21.94	22.11	21.95	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	23.84	23.80	24.05	24.50
		1	7	23.81	23.87	24.09	24.50
		1	14	23.79	23.84	24.10	24.50
		8	0	22.92	22.86	22.97	23.50
		8	4	22.86	22.93	22.91	23.50
		8	7	22.84	22.90	22.87	23.50
		15	0	22.93	22.88	22.96	23.50
	16QAM	1	0	23.34	23.43	23.18	23.50
		1	7	23.36	23.42	23.10	23.50
		1	14	23.33	23.39	23.10	23.50
		8	0	22.28	22.10	22.15	22.50
		8	4	22.34	22.07	22.19	22.50
		8	7	22.30	22.14	22.20	22.50
		15	0	22.13	21.99	22.03	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	23.94	23.88	23.80	24.50
		1	13	23.87	23.90	23.82	24.50
		1	24	23.84	23.92	23.79	24.50
		12	0	22.88	22.91	22.77	23.50
		12	6	22.86	22.87	22.71	23.50
		12	13	22.97	22.83	22.72	23.50
		25	0	22.91	22.92	22.71	23.50
	16QAM	1	0	22.09	22.99	22.24	23.50
		1	13	22.13	23.02	22.25	23.50
		1	24	22.03	22.82	22.23	23.50
		12	0	22.11	21.81	21.83	22.50
		12	6	22.06	21.83	21.75	22.50
		12	13	22.02	21.85	21.80	22.50
		25	0	22.09	21.73	21.93	22.50



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Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	23.65	23.80	23.99	24.50
		1	25	23.60	23.79	23.93	24.50
		1	49	23.61	23.84	23.90	24.50
		25	0	22.60	22.69	22.78	23.50
		25	13	22.64	22.83	22.88	23.50
		25	25	22.69	22.74	22.75	23.50
		50	0	22.57	22.78	22.78	23.50
	16QAM	1	0	22.78	22.60	22.63	23.50
		1	25	22.71	22.66	22.64	23.50
		1	49	22.70	22.69	22.55	23.50
		25	0	21.67	21.98	22.03	22.50
		25	13	21.71	21.97	22.01	22.50
		25	25	21.66	21.96	21.99	22.50
		50	0	21.73	21.89	21.95	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	23.73	23.80	24.04	24.50
		1	38	23.63	23.82	23.99	24.50
		1	74	23.61	23.91	23.94	24.50
		36	0	22.69	22.82	22.81	23.50
		36	18	22.61	22.82	22.82	23.50
		36	39	22.68	22.80	22.91	23.50
	16QAM	75	0	22.68	22.86	22.84	23.50
		1	0	22.85	22.65	23.11	23.50
		1	38	22.85	22.69	23.13	23.50
		1	74	22.73	22.74	23.09	23.50
		36	0	21.85	21.90	22.13	22.50
		36	18	21.81	21.89	22.15	22.50
		36	39	21.75	21.86	22.08	22.50
		75	0	21.75	21.92	21.99	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20300	Channel 20175	Channel 20050	Tune up
20MHz	QPSK	1	0	23.89	23.81	23.61	24.50
		1	50	23.79	23.94	23.74	24.50
		1	99	23.85	23.88	23.90	24.50
		50	0	22.80	22.72	22.81	23.50
		50	25	22.73	22.95	22.93	23.50
		50	50	22.74	22.84	22.87	23.50
	16QAM	100	0	22.75	22.86	22.90	23.50
		1	0	23.04	22.84	23.22	23.50
		1	50	22.97	22.84	23.22	23.50
		1	99	23.00	22.80	23.15	23.50
		50	0	21.99	22.03	22.04	22.50
		50	25	21.94	22.04	22.06	22.50
		50	50	21.94	21.98	21.99	22.50
		100	0	21.86	21.90	22.08	22.50

LTE Band 5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20407	Channel 20525	Channel 20643	Tune up
1.4MHz	QPSK	1	0	22.16	22.18	22.23	23.00
		1	2	22.18	21.96	22.37	23.00
		1	5	22.08	22.17	22.37	23.00
		3	0	22.15	22.02	22.29	23.00
		3	2	22.20	22.01	22.34	23.00
		3	3	22.16	22.07	22.28	23.00
		6	0	21.18	21.01	21.16	22.00



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		1	0	21.14	21.71	21.47	22.00
		1	2	21.19	21.75	21.49	22.00
		1	5	21.20	21.78	21.52	22.00
		3	0	21.08	20.72	20.90	22.00
		3	2	21.05	20.74	21.00	22.00
		3	3	21.04	20.71	20.95	22.00
		6	0	20.29	20.19	20.45	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.08	22.00	22.25	23.00
		1	7	22.03	22.03	22.22	23.00
		1	14	22.04	21.99	22.24	23.00
		8	0	21.16	21.05	21.23	22.00
		8	4	21.24	21.04	21.13	22.00
		8	7	21.08	21.08	21.17	22.00
		15	0	21.22	21.14	21.09	22.00
	16QAM	1	0	21.01	21.58	21.17	22.00
		1	7	20.96	21.59	21.21	22.00
		1	14	20.84	21.52	21.21	22.00
		8	0	20.30	20.39	20.41	21.00
		8	4	20.25	20.28	20.42	21.00
		8	7	20.36	20.32	20.50	21.00
		15	0	20.19	20.24	20.18	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	22.20	22.15	22.05	23.00
		1	13	22.17	22.18	22.07	23.00
		1	24	22.12	22.14	22.12	23.00
		12	0	21.15	21.10	21.13	22.00
		12	6	21.18	21.12	21.15	22.00
		12	13	21.22	21.17	21.16	22.00
		25	0	21.17	21.08	21.20	22.00
	16QAM	1	0	20.84	21.48	21.12	22.00
		1	13	20.78	21.38	21.13	22.00
		1	24	20.68	21.42	21.24	22.00
		12	0	20.28	20.10	20.37	21.00
		12	6	20.26	20.16	20.29	21.00
		12	13	20.28	20.20	20.39	21.00
		25	0	20.23	20.21	20.49	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	22.19	22.25	22.09	23.00
		1	25	22.06	22.28	22.18	23.00
		1	49	22.01	22.25	22.16	23.00
		25	0	21.14	21.09	21.11	22.00
		25	13	21.14	21.26	21.07	22.00
		25	25	21.17	21.05	21.09	22.00
		50	0	21.09	21.13	21.16	22.00
	16QAM	1	0	20.95	21.09	20.96	22.00
		1	25	20.80	21.02	20.88	22.00
		1	49	20.78	21.04	21.05	22.00
		25	0	20.26	20.36	20.17	21.00
		25	13	20.14	20.26	20.30	21.00
		25	25	20.25	20.32	20.18	21.00
		50	0	20.26	20.25	20.14	21.00

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



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5MHz	QPSK	1	0	22.21	22.23	21.53	23.00
		1	13	22.14	22.16	21.64	23.00
		1	24	22.11	21.95	21.52	23.00
		12	0	21.20	21.25	20.90	22.00
		12	6	21.12	21.22	20.80	22.00
		12	13	21.21	21.23	20.77	22.00
	16QAM	25	0	21.21	21.23	20.87	22.00
		1	0	20.60	21.40	20.74	22.00
		1	13	20.55	21.33	20.92	22.00
		1	24	20.51	21.28	20.63	22.00
		12	0	20.20	20.25	19.99	21.00
		12	6	20.21	20.23	19.92	21.00
Bandwidth	Modulation	12	13	20.17	20.25	19.89	21.00
		25	0	20.25	20.26	19.98	21.00
		RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	21.65	21.85	21.55	23.00
		1	25	21.62	21.79	21.49	23.00
		1	49	21.76	21.67	21.55	23.00
		25	0	20.75	20.82	20.35	22.00
		25	13	20.69	20.67	20.43	22.00
		25	25	20.63	20.81	20.38	22.00
	16QAM	50	0	20.72	20.68	20.38	22.00
		1	0	20.32	20.76	20.20	22.00
		1	25	20.35	20.76	20.27	22.00
		1	49	21.14	20.67	20.11	22.00
		25	0	19.86	19.90	19.48	21.00
		25	13	19.85	19.88	19.50	21.00
Bandwidth	Modulation	25	25	19.82	19.86	19.46	21.00
		50	0	19.90	19.88	19.50	21.00
		RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.49	21.73	21.52	23.00
		1	38	21.81	21.65	21.40	23.00
		1	74	22.38	21.68	21.33	23.00
		36	0	20.61	20.80	20.43	22.00
		36	18	21.20	20.66	20.38	22.00
		36	39	21.72	20.63	20.37	22.00
	16QAM	75	0	21.20	20.73	20.34	22.00
		1	0	20.36	20.90	20.53	22.00
		1	38	21.26	20.94	20.23	22.00
		1	74	21.63	20.88	20.05	22.00
		36	0	19.90	19.92	19.68	21.00
		36	18	20.33	19.78	19.59	21.00
Bandwidth	Modulation	36	39	20.93	19.84	19.50	21.00
		75	0	20.41	19.80	19.61	21.00
		RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.58	22.12	21.36	23.00
		1	50	22.11	22.19	22.03	23.00
		1	99	22.06	21.96	22.00	23.00
		50	0	20.52	20.99	20.61	22.00
		50	25	21.04	21.18	20.79	22.00
		50	50	20.94	20.59	20.19	22.00
	16QAM	100	0	21.10	20.76	20.51	22.00
		1	0	20.76	20.83	20.89	22.00
		1	50	21.61	20.75	20.76	22.00
		1	99	22.00	20.67	20.51	22.00
		50	0	19.86	19.88	19.61	21.00
		50	25	20.35	19.83	19.55	21.00
Bandwidth	Modulation	50	50	20.78	19.82	19.48	21.00



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		100	0	20.25	19.84	19.58	21.00
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LTE FDD Band 12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	21.61	21.60	21.59	23.00
		1	2	21.57	21.69	21.77	23.00
		1	5	21.59	22.01	21.88	23.00
		3	0	21.64	21.69	21.65	23.00
		3	2	21.62	21.62	21.74	23.00
		3	3	21.57	21.42	21.66	23.00
	16QAM	6	0	20.56	20.61	20.67	22.00
		1	0	20.74	20.38	20.93	22.00
		1	2	20.83	20.46	20.89	22.00
		1	5	20.87	20.42	21.04	22.00
		3	0	20.48	20.29	20.38	22.00
		3	2	20.46	20.26	20.40	22.00
		3	3	20.51	20.29	20.42	22.00
		6	0	19.73	19.74	19.84	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	21.65	21.46	21.79	23.00
		1	7	21.50	21.58	21.76	23.00
		1	14	21.65	21.50	21.79	23.00
		8	0	20.57	20.53	20.70	22.00
		8	4	20.60	20.52	20.69	22.00
		8	7	20.68	20.61	20.70	22.00
	16QAM	15	0	20.51	20.63	20.70	22.00
		1	0	20.31	21.16	20.76	22.00
		1	7	20.33	21.22	20.76	22.00
		1	14	20.33	21.16	20.83	22.00
		8	0	19.69	19.69	20.02	21.00
		8	4	19.76	19.71	20.06	21.00
		8	7	19.89	19.65	19.84	21.00
		15	0	19.47	19.60	19.80	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up
5MHz	QPSK	1	0	21.57	21.54	21.50	23.00
		1	13	21.75	21.57	21.53	23.00
		1	24	21.54	21.52	21.53	23.00
		12	0	20.59	20.49	20.61	22.00
		12	6	20.72	20.52	20.60	22.00
		12	13	20.56	20.53	20.49	22.00
	16QAM	25	0	20.68	20.51	20.70	22.00
		1	0	20.95	20.61	20.58	22.00
		1	13	20.91	20.62	20.59	22.00
		1	24	20.97	20.68	20.69	22.00
		12	0	19.59	19.57	19.71	21.00
		12	6	19.78	19.57	19.93	21.00
		12	13	19.72	19.57	19.98	21.00
		25	0	19.75	19.56	20.06	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 23060	Channel 23095	Channel 23130	Tune up
10MHz	QPSK	1	0	21.61	21.58	21.49	23.00
		1	25	21.62	21.72	21.69	23.00
		1	49	21.46	21.66	21.53	23.00
		25	0	20.68	20.64	20.76	22.00
		25	13	20.58	20.64	20.65	22.00
		25	25	20.58	20.66	20.65	22.00



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		50	0	20.60	20.75	20.62	22.00
		1	0	20.16	20.84	20.71	22.00
		1	25	20.11	20.76	20.83	22.00
		1	49	20.00	20.73	20.87	22.00
	16QAM	25	0	19.75	19.72	19.80	21.00
		25	13	19.86	19.74	19.78	21.00
		25	25	19.58	19.74	19.97	21.00
		50	0	19.67	19.76	19.78	21.00

LTE FDD Band 13				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
		1	0	22.05	21.98	21.81	23.00
		1	13	21.96	22.02	21.91	23.00
		1	24	21.99	22.03	21.99	23.00
		12	0	21.08	20.94	21.17	22.00
		12	6	20.98	20.95	21.09	22.00
		12	13	20.92	20.91	21.17	22.00
		25	0	21.03	21.14	21.15	22.00
5MHz	QPSK	1	0	20.34	21.24	20.95	22.00
		1	13	20.33	21.38	20.99	22.00
		1	24	20.37	21.34	21.08	22.00
		12	0	20.05	20.05	20.29	21.00
		12	6	20.02	20.13	20.20	21.00
		12	13	20.05	20.09	20.22	21.00
		25	0	20.06	20.10	20.22	21.00
	16QAM	1	0	20.34	21.24	20.95	22.00
		1	13	20.33	21.38	20.99	22.00
		1	24	20.37	21.34	21.08	22.00
		12	0	20.05	20.05	20.29	21.00
		12	6	20.02	20.13	20.20	21.00
		12	13	20.05	20.09	20.22	21.00
		25	0	20.06	20.10	20.22	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
		1	0	/	21.91	/	23.00
		1	25	/	21.97	/	23.00
		1	49	/	21.95	/	23.00
		25	0	/	20.85	/	22.00
		25	13	/	21.12	/	22.00
		25	25	/	20.96	/	22.00
		50	0	/	20.89	/	22.00
10MHz	QPSK	1	0	/	20.49	/	22.00
		1	25	/	20.6	/	22.00
		1	49	/	20.61	/	22.00
		25	0	/	19.97	/	21.00
		25	13	/	20.03	/	21.00
		25	25	/	20.08	/	21.00
		50	0	/	20.12	/	21.00
	16QAM	1	0	/	20.49	/	22.00
		1	25	/	20.6	/	22.00
		1	49	/	20.61	/	22.00
		25	0	/	19.97	/	21.00
		25	13	/	20.03	/	21.00
		25	25	/	20.08	/	21.00
		50	0	/	20.12	/	21.00

LTE FDD Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
		1	0	21.66	21.66	21.59	22.50
		1	13	21.66	21.54	21.60	22.50
		1	24	21.64	21.41	21.62	22.50
		12	0	20.69	20.59	20.72	21.50
		12	6	20.59	20.60	20.84	21.50
		12	13	20.58	20.70	20.61	21.50
		25	0	20.65	20.56	20.79	21.50
5MHz	QPSK	1	0	19.93	20.64	20.55	21.50
		1	13	19.95	20.76	20.63	21.50
		1	24	19.97	20.72	20.63	21.50
		12	0	19.56	19.59	19.86	20.50
	16QAM	1	0	19.93	20.64	20.55	21.50
		1	13	19.95	20.76	20.63	21.50
		1	24	19.97	20.72	20.63	21.50
		12	0	19.56	19.59	19.86	20.50



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		12	6	19.54	19.60	20.03	20.50
		12	13	19.56	19.67	19.98	20.50
		25	0	19.59	19.64	19.97	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	21.68	21.58	21.68	22.50
		1	25	21.57	21.86	21.72	22.50
		1	49	21.60	21.58	21.42	22.50
		25	0	20.59	20.62	20.64	21.50
		25	13	20.61	20.76	20.72	21.50
		25	25	20.60	20.65	20.71	21.50
		50	0	20.64	20.69	20.69	21.50
	16QAM	1	0	20.12	20.81	20.62	21.50
		1	25	20.15	20.77	20.57	21.50
		1	49	20.21	20.83	20.61	21.50
		25	0	19.61	19.79	19.72	20.50
		25	13	19.58	19.82	19.78	20.50
		25	25	19.69	19.77	19.95	20.50
		50	0	19.62	19.77	19.74	20.50

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	23.01	23.33	23.25	24.50
		1	2	23.12	23.51	23.36	24.50
		1	5	23.11	23.51	23.39	24.50
		3	0	23.04	23.47	23.43	24.50
		3	1	23.06	23.42	23.50	24.50
		3	3	22.96	23.41	23.41	24.50
		6	0	22.04	22.39	22.46	23.50
	16QAM	1	0	21.84	22.65	22.51	23.50
		1	2	21.91	22.05	22.57	23.50
		1	5	21.82	22.16	22.56	23.50
		3	0	21.95	22.29	22.60	23.50
		3	1	21.97	22.32	22.58	23.50
		3	3	22.01	22.24	22.55	23.50
		6	0	21.23	21.59	21.66	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	22.95	23.53	23.25	24.50
		1	7	23.01	23.47	23.32	24.50
		1	14	23.10	23.49	23.29	24.50
		8	0	22.01	22.41	22.44	23.50
		8	4	22.07	22.43	22.46	23.50
		8	7	22.03	22.36	22.35	23.50
		15	0	21.96	22.36	22.37	23.50
	16QAM	1	0	22.23	22.13	23.22	23.50
		1	7	22.24	22.13	23.29	23.50
		1	14	22.27	22.11	23.30	23.50
		8	0	21.28	21.82	21.63	22.50
		8	4	21.35	21.84	21.67	22.50
		8	7	21.33	21.77	21.59	22.50
		15	0	21.18	21.56	21.42	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.92	23.42	23.52	24.50
		1	13	23.06	23.39	23.48	24.50
		1	24	23.07	23.28	23.31	24.50
		12	0	22.17	22.51	22.45	23.50



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	16QAM	12	6	22.15	22.47	22.48	23.50
		12	13	22.07	22.43	22.39	23.50
		25	0	22.07	22.47	22.47	23.50
		1	0	22.19	22.49	22.53	23.50
		1	13	22.26	22.47	22.58	23.50
		1	24	22.32	22.45	22.60	23.50
		12	0	21.16	21.61	21.54	22.50
		12	6	21.13	21.56	21.46	22.50
		12	13	21.21	21.56	21.48	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.08	23.69	23.34	24.50
		1	25	23.19	23.66	23.28	24.50
		1	49	23.19	23.58	23.30	24.50
		25	0	22.05	22.45	22.34	23.50
		25	13	22.29	22.49	22.30	23.50
		25	25	22.17	22.35	22.22	23.50
		50	0	22.29	22.45	22.26	23.50
	16QAM	1	0	22.55	22.36	22.50	23.50
		1	25	22.66	22.36	22.49	23.50
		1	49	22.69	22.28	22.45	23.50
		25	0	21.22	21.53	21.50	22.50
		25	13	21.30	21.53	21.51	22.50
		25	25	21.37	21.47	21.52	22.50
		50	0	21.28	21.35	21.50	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	22.98	23.56	23.37	24.50
		1	38	23.10	23.54	23.34	24.50
		1	74	23.04	23.44	23.30	24.50
		36	0	22.00	22.49	22.42	23.50
		36	18	22.08	22.49	22.40	23.50
		36	39	22.02	22.33	22.25	23.50
		75	0	22.16	22.34	22.29	23.50
	16QAM	1	0	22.42	22.67	22.53	23.50
		1	38	22.56	22.75	22.47	23.50
		1	74	22.50	22.56	22.48	23.50
		36	0	21.16	21.55	21.54	22.50
		36	18	21.17	21.56	21.49	22.50
		36	39	21.21	21.51	21.44	22.50
		75	0	21.18	21.52	21.44	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.10	23.49	23.31	24.50
		1	50	23.19	23.60	23.38	24.50
		1	99	23.26	23.39	23.32	24.50
		50	0	21.99	22.32	22.41	23.50
		50	25	22.13	22.53	22.38	23.50
		50	50	22.07	22.40	22.33	23.50
		100	0	22.05	22.46	22.36	23.50
	16QAM	1	0	22.17	22.96	22.84	23.50
		1	50	22.28	23.00	22.82	23.50
		1	99	22.29	22.93	22.70	23.50
		50	0	21.23	21.53	21.58	22.50
		50	25	21.24	21.47	21.54	22.50
		50	50	21.31	21.45	21.53	22.50
		100	0	21.24	21.45	21.36	22.50



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2 Conducted Power of WIFI and Bluetooth

2.1 Conducted Power of 2.4G WIFI

WIFI 2.4G					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	13.98	15.00
	6	2437		15.70	16.00
	11	2462		14.55	16.00
802.11g	1	2412	6	11.09	13.00
	6	2437		15.90	16.00
	11	2462		11.93	13.00
802.11n HT20 SISO	1	2412	6.5	12.64	14.00
	6	2437		14.39	15.00
	11	2462		11.55	13.00

2.2 Conducted Power of Bluetooth

BT		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	4.33	5.92	4.80	5.00
	$\pi/4$ DQPSK	4.11	5.73	4.37	5.00
	8DPSK	4.05	5.68	4.32	5.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	3.98	5.97	4.47	4.00

- End of the Appendix -