

Appendix E

Conducted RF Output Power



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1 Conducted Power of Legacy

1.1 Conducted Power of Legacy

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	18.13	18.38	18.42	19.00
		1	2	18.33	18.63	18.58	19.00
		1	5	18.38	18.32	18.39	19.00
		3	0	18.10	18.38	18.42	19.00
		3	2	18.31	18.63	18.58	19.00
		3	3	18.33	18.37	18.40	19.00
		6	0	18.06	18.39	18.42	19.00
	16QAM	1	0	18.31	18.64	18.64	19.00
		1	2	18.31	18.36	18.43	19.00
		1	5	18.14	18.40	18.44	19.00
		3	0	18.37	18.59	18.53	19.00
		3	2	18.25	18.36	18.42	19.00
		3	3	18.10	18.43	18.42	19.00
		6	0	18.38	18.58	18.68	19.00
	64QAM	1	0	18.35	18.37	18.44	19.00
		1	2	18.17	18.38	18.44	19.00
		1	5	18.31	18.55	18.61	19.00
		3	0	18.33	18.46	18.34	19.00
		3	2	18.09	18.42	18.46	19.00
		3	3	18.37	18.66	18.64	19.00
		6	0	18.33	18.38	18.38	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	18.16	18.37	18.37	19.00
		1	7	18.34	18.64	18.58	19.00
		1	14	18.38	18.39	18.41	19.00
		8	0	18.12	18.41	18.38	19.00
		8	4	18.24	18.65	18.53	19.00
		8	7	18.36	18.37	18.35	19.00
		15	0	18.06	18.40	18.39	19.00
	16QAM	1	0	18.28	18.59	18.60	19.00
		1	7	18.38	18.35	18.43	19.00



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		1	14	18.09	18.45	18.39	19.00
		8	0	18.35	18.65	18.57	19.00
		8	4	18.30	18.38	18.37	19.00
		8	7	18.06	18.45	18.47	19.00
		15	0	18.35	18.57	18.69	19.00
	64QAM	1	0	18.29	18.36	18.44	19.00
		1	7	18.13	18.42	18.41	19.00
		1	14	18.33	18.56	18.66	19.00
		8	0	18.36	18.44	18.37	19.00
		8	4	18.11	18.37	18.47	19.00
		8	7	18.30	18.62	18.68	19.00
		15	0	18.32	18.39	18.37	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	18.17	18.40	18.42	19.00
		1	13	18.34	18.59	18.56	19.00
		1	24	18.33	18.39	18.41	19.00
		12	0	18.12	18.40	18.40	19.00
		12	6	18.30	18.63	18.56	19.00
		12	13	18.40	18.34	18.35	19.00
		25	0	18.14	18.37	18.36	19.00
	16QAM	1	0	18.29	18.64	18.60	19.00
		1	13	18.33	18.40	18.39	19.00
		1	24	18.14	18.45	18.42	19.00
		12	0	18.33	18.60	18.53	19.00
		12	6	18.29	18.33	18.37	19.00
		12	13	18.07	18.38	18.42	19.00
		25	0	18.39	18.58	18.63	19.00
	64QAM	1	0	18.34	18.40	18.46	19.00
		1	13	18.10	18.41	18.46	19.00
		1	24	18.27	18.62	18.65	19.00
		12	0	18.35	18.42	18.36	19.00
		12	6	18.10	18.38	18.43	19.00
		12	13	18.37	18.65	18.68	19.00
		25	0	18.26	18.42	18.43	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	18.14	18.40	18.38	19.00
		1	25	18.32	18.60	18.60	19.00
		1	49	18.38	18.40	18.37	19.00



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		25	0	18.08	18.38	18.43	19.00
		25	13	18.30	18.64	18.53	19.00
		25	25	18.38	18.35	18.35	19.00
		50	0	18.06	18.35	18.42	19.00
	16QAM	1	0	18.24	18.65	18.61	19.00
		1	25	18.31	18.43	18.44	19.00
		1	49	18.11	18.40	18.46	19.00
		25	0	18.32	18.64	18.59	19.00
		25	13	18.29	18.35	18.43	19.00
		25	25	18.06	18.45	18.45	19.00
		50	0	18.32	18.62	18.63	19.00
	64QAM	1	0	18.33	18.40	18.41	19.00
		1	25	18.10	18.46	18.42	19.00
		1	49	18.28	18.62	18.68	19.00
		25	0	18.30	18.45	18.32	19.00
		25	13	18.13	18.41	18.47	19.00
		25	25	18.33	18.65	18.62	19.00
		50	0	18.27	18.38	18.39	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	18.16	18.39	18.40	19.00
		1	38	18.37	18.62	18.62	19.00
		1	74	18.31	18.37	18.35	19.00
		36	0	18.13	18.34	18.41	19.00
		36	18	18.28	18.62	18.61	19.00
		36	39	18.36	18.35	18.35	19.00
		75	0	18.12	18.35	18.37	19.00
	16QAM	1	0	18.24	18.60	18.65	19.00
		1	38	18.32	18.43	18.41	19.00
		1	74	18.13	18.47	18.46	19.00
		36	0	18.39	18.61	18.61	19.00
		36	18	18.27	18.33	18.37	19.00
		36	39	18.05	18.41	18.44	19.00
		75	0	18.36	18.57	18.66	19.00
	64QAM	1	0	18.29	18.42	18.41	19.00
		1	38	18.14	18.46	18.41	19.00
		1	74	18.33	18.59	18.68	19.00
		36	0	18.36	18.39	18.38	19.00
		36	18	18.12	18.42	18.44	19.00
		36	39	18.31	18.65	18.66	19.00



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Bandwidth	Modulation	75	0	18.34	18.42	18.39	19.00
		RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	18.18	18.44	18.43	19.00
		1	50	18.38	18.68	18.63	19.00
		1	99	18.39	18.41	18.44	19.00
		50	0	18.14	18.43	18.44	19.00
		50	25	18.33	18.70	18.62	19.00
		50	50	18.42	18.40	18.43	19.00
		100	0	18.15	18.44	18.44	19.00
	16QAM	1	0	18.33	18.68	18.67	19.00
		1	50	18.39	18.44	18.47	19.00
		1	99	18.18	18.49	18.48	19.00
		50	0	18.41	18.67	18.62	19.00
		50	25	18.34	18.42	18.44	19.00
		50	50	18.11	18.46	18.50	19.00
		100	0	18.41	18.65	18.70	19.00
	64QAM	1	0	18.36	18.44	18.47	19.00
		1	50	18.18	18.47	18.48	19.00
		1	99	18.34	18.63	18.70	19.00
		50	0	18.38	18.47	18.39	19.00
		50	25	18.17	18.46	18.49	19.00
		50	50	18.38	18.67	18.69	19.00
		100	0	18.35	18.47	18.45	19.00

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	19.06	19.16	19.22	20.50
		1	2	19.58	19.60	19.53	20.50
		1	5	19.98	19.92	19.85	20.50
		3	0	19.30	19.29	19.26	20.50
		3	2	19.59	19.62	19.55	20.50
		3	3	19.56	19.66	19.67	20.50
		6	0	18.46	18.47	18.57	19.50
	16QAM	1	0	18.50	18.50	18.55	19.50
		1	2	18.84	18.84	18.88	19.50
		1	5	18.92	18.85	18.96	19.50
		3	0	18.44	18.38	18.37	19.50



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		3	2	18.62	18.57	18.65	19.50
		3	3	18.80	18.88	18.86	19.50
		6	0	17.49	17.47	17.42	18.50
	64QAM	1	0	17.41	17.46	17.50	18.50
		1	2	17.75	17.69	17.62	18.50
		1	5	17.76	17.73	17.66	18.50
		3	0	17.12	17.19	17.21	18.50
		3	2	17.59	17.61	17.71	18.50
		3	3	17.79	17.73	17.71	18.50
		6	0	16.67	16.72	16.69	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	19.17	19.09	19.06	20.50
		1	7	19.47	19.50	19.58	20.50
		1	14	19.81	19.88	19.98	20.50
		8	0	18.14	18.21	18.23	19.50
		8	4	18.73	18.68	18.71	19.50
		8	7	18.64	18.72	18.81	19.50
		15	0	18.57	18.49	18.42	19.50
	16QAM	1	0	18.37	18.43	18.47	19.50
		1	7	18.33	18.39	18.49	19.50
		1	14	18.55	18.57	18.52	19.50
		8	0	17.50	17.47	17.37	18.50
		8	4	17.56	17.60	17.51	18.50
		8	7	17.88	17.81	17.74	18.50
		15	0	17.46	17.40	17.36	18.50
	64QAM	1	0	17.54	17.46	17.56	18.50
		1	7	17.78	17.76	17.67	18.50
		1	14	17.80	17.95	17.88	18.50
		8	0	16.15	16.15	16.23	17.50
		8	4	16.48	16.58	16.50	17.50
		8	7	16.83	16.79	16.70	17.50
		15	0	16.54	16.64	16.57	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	19.21	19.13	19.22	20.50
		1	13	19.54	19.44	19.46	20.50
		1	24	19.92	19.90	19.96	20.50
		12	0	18.41	18.31	18.32	19.50
		12	6	18.59	18.61	18.57	19.50



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		12	13	18.83	18.81	18.71	19.50
		25	0	18.52	18.43	18.49	19.50
	16QAM	1	0	18.40	18.45	18.38	19.50
		1	13	18.45	18.40	18.41	19.50
		1	24	18.36	18.42	18.40	19.50
		12	0	17.41	17.37	17.38	18.50
		12	6	17.47	17.57	17.60	18.50
		12	13	17.89	17.81	17.77	18.50
		25	0	17.60	17.50	17.56	18.50
	64QAM	1	0	17.38	17.43	17.43	18.50
		1	13	17.80	17.78	17.69	18.50
		1	24	17.77	18.00	17.93	18.50
		12	0	16.29	16.23	16.17	17.50
		12	6	16.70	16.63	16.71	17.50
		12	13	16.86	16.81	16.72	17.50
		25	0	16.78	16.69	16.66	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	19.08	19.14	19.08	20.50
		1	25	19.54	19.48	19.50	20.50
		1	49	19.83	19.81	19.82	20.50
		25	0	18.32	18.37	18.39	19.50
		25	13	18.69	18.61	18.63	19.50
		25	25	18.68	18.76	18.85	19.50
		50	0	18.44	18.51	18.47	19.50
	16QAM	1	0	18.56	18.48	18.55	19.50
		1	25	18.41	18.40	18.36	19.50
		1	49	18.40	18.44	18.36	19.50
		25	0	17.46	17.41	17.44	18.50
		25	13	17.50	17.58	17.67	18.50
		25	25	17.88	17.79	17.86	18.50
		50	0	17.51	17.43	17.33	18.50
	64QAM	1	0	17.49	17.51	17.45	18.50
		1	25	17.68	17.68	17.71	18.50
		1	49	17.87	17.93	18.00	18.50
		25	0	16.35	16.29	16.31	17.50
		25	13	16.54	16.56	16.63	17.50
		25	25	16.63	16.73	16.81	17.50
		50	0	16.72	16.66	16.58	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				20025	20175	20325	
15MHz	QPSK	1	0	19.28	19.19	19.15	20.50
		1	38	19.63	19.57	19.62	20.50
		1	74	19.84	19.86	19.93	20.50
		36	0	18.36	18.40	18.46	19.50
		36	18	18.66	18.58	18.63	19.50
		36	39	18.65	18.66	18.60	19.50
		75	0	18.67	18.60	18.52	19.50
	16QAM	1	0	18.47	18.51	18.56	19.50
		1	38	18.42	18.44	18.40	19.50
		1	74	18.37	18.47	18.36	19.50
		36	0	17.33	17.39	17.41	18.50
		36	18	17.59	17.59	17.52	18.50
		36	39	17.87	17.83	17.90	18.50
		75	0	17.44	17.50	17.60	18.50
	64QAM	1	0	17.38	17.48	17.54	18.50
		1	38	17.73	17.78	17.82	18.50
		1	74	17.95	17.93	17.97	18.50
		36	0	16.24	16.27	16.25	17.50
		36	18	16.64	16.60	16.55	17.50
		36	39	16.69	16.69	16.60	17.50
		75	0	16.49	16.56	16.66	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	19.25	/	20.50
		1	50	/	19.47	/	20.50
		1	99	/	19.79	/	20.50
		50	0	/	18.40	/	19.50
		50	25	/	18.58	/	19.50
		50	50	/	18.69	/	19.50
		100	0	/	18.58	/	19.50
	16QAM	1	0	/	18.47	/	19.50
		1	50	/	18.99	/	19.50
		1	99	/	18.87	/	19.50
		50	0	/	17.37	/	18.50
		50	25	/	17.63	/	18.50
		50	50	/	17.74	/	18.50
		100	0	/	17.56	/	18.50
	64QAM	1	0	/	17.51	/	18.50
		1	50	/	17.79	/	18.50



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		1	99	/	17.90	/	18.50
		50	0	/	16.32	/	17.50
		50	25	/	16.64	/	17.50
		50	50	/	16.70	/	17.50
		100	0	/	16.56	/	17.50

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	20.44	20.34	20.40	21.50
		1	2	20.64	20.74	20.71	21.50
		1	5	20.09	20.12	20.17	21.50
		3	0	20.19	20.26	20.16	21.50
		3	2	20.42	20.36	20.28	21.50
		3	3	20.23	20.25	20.34	21.50
		6	0	19.34	19.40	19.45	20.50
	16QAM	1	0	19.59	19.58	19.54	20.50
		1	2	19.77	19.98	19.95	20.50
		1	5	19.74	19.77	19.72	20.50
		3	0	19.26	19.30	19.34	20.50
		3	2	19.47	19.51	19.57	20.50
		3	3	19.45	19.36	19.35	20.50
		6	0	18.27	18.23	18.16	19.50
	64QAM	1	0	18.44	18.41	18.36	19.50
		1	2	18.95	18.86	18.78	19.50
		1	5	18.48	18.50	18.57	19.50
		3	0	18.26	18.18	18.20	19.50
		3	2	18.48	18.49	18.41	19.50
		3	3	18.32	18.26	18.28	19.50
		6	0	17.59	17.50	17.48	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	20.42	20.32	20.42	21.50
		1	7	20.71	20.71	20.76	21.50
		1	14	20.17	20.20	20.18	21.50
		8	0	19.25	19.29	19.21	20.50
		8	4	19.39	19.40	19.48	20.50
		8	7	19.24	19.32	19.24	20.50



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	16QAM	15	0	19.37	19.34	19.40	20.50
		1	0	19.61	19.60	19.58	20.50
		1	7	19.87	19.96	19.96	20.50
		1	14	19.68	19.69	19.70	20.50
		8	0	18.30	18.22	18.26	19.50
		8	4	18.33	18.43	18.36	19.50
		8	7	18.25	18.26	18.17	19.50
		15	0	18.25	18.20	18.27	19.50
		1	0	18.57	18.51	18.45	19.50
		1	7	18.70	18.76	18.77	19.50
		1	14	18.56	18.54	18.54	19.50
		8	0	17.19	17.15	17.11	18.50
		8	4	17.47	17.55	17.55	18.50
		8	7	17.24	17.18	17.15	18.50
		15	0	17.46	17.44	17.49	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	20.30	20.39	20.42	21.50
		1	13	20.68	20.75	20.73	21.50
		1	24	20.21	20.25	20.35	21.50
		12	0	19.22	19.19	19.24	20.50
		12	6	19.56	19.48	19.55	20.50
		12	13	19.36	19.27	19.20	20.50
		25	0	19.33	19.29	19.24	20.50
		1	0	19.56	19.59	19.59	20.50
	16QAM	1	13	19.77	19.98	19.87	20.50
		1	24	19.50	19.60	19.56	20.50
		12	0	18.38	18.28	18.37	19.50
		12	6	18.50	18.42	18.36	19.50
		12	13	18.40	18.33	18.29	19.50
		25	0	18.25	18.27	18.25	19.50
		1	0	18.47	18.44	18.36	19.50
		1	13	18.91	18.82	18.79	19.50
	64QAM	1	24	18.47	18.49	18.45	19.50
		12	0	17.14	17.08	17.06	18.50
		12	6	17.44	17.48	17.49	18.50
		12	13	17.30	17.28	17.31	18.50
		25	0	17.33	17.38	17.29	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20525	/	



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10MHz	QPSK	1	0	/	20.30	/	21.50
		1	25	/	20.71	/	21.50
		1	49	/	20.25	/	21.50
		25	0	/	19.25	/	20.50
		25	13	/	19.51	/	20.50
		25	25	/	19.33	/	20.50
		50	0	/	19.23	/	20.50
	16QAM	1	0	/	19.59	/	20.50
		1	25	/	19.91	/	20.50
		1	49	/	19.57	/	20.50
		25	0	/	18.20	/	19.50
		25	13	/	18.49	/	19.50
		25	25	/	18.28	/	19.50
		50	0	/	18.26	/	19.50
	64QAM	1	0	/	18.39	/	19.50
		1	25	/	18.85	/	19.50
		1	49	/	18.48	/	19.50
		25	0	/	17.10	/	18.50
		25	13	/	17.51	/	18.50
		25	25	/	17.38	/	18.50
		50	0	/	17.32	/	18.50

LTE Band 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.33	20.60	21.47	22.00
		1	13	20.96	21.15	21.32	22.00
		1	24	20.58	21.35	21.35	22.00
		12	0	19.80	19.89	20.85	21.00
		12	6	20.08	20.15	20.60	21.00
		12	13	19.72	20.41	20.50	21.00
		25	0	20.06	20.31	20.60	21.00
	16QAM	1	0	20.22	20.04	20.55	21.00
		1	13	19.94	20.45	20.77	21.00
		1	24	19.75	20.60	20.44	21.00
		12	0	19.11	18.75	19.94	20.00
		12	6	19.03	19.22	19.50	20.00
		12	13	18.64	19.55	19.16	20.00



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		25	0	18.99	19.32	19.74	20.00
		1	0	19.41	18.77	19.56	20.00
		1	13	19.13	19.27	19.93	20.00
		1	24	18.75	19.65	19.39	20.00
	64QAM	12	0	18.47	18.00	18.21	19.00
		12	6	18.11	18.09	18.82	19.00
		12	13	17.81	18.27	18.46	19.00
		25	0	17.93	18.07	18.59	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
		1	0	21.27	20.67	21.47	22.00
		1	25	21.03	21.08	21.31	22.00
		1	49	20.57	21.35	21.32	22.00
		25	0	19.74	19.80	20.80	21.00
		25	13	20.06	20.18	20.62	21.00
		25	25	19.70	20.45	20.40	21.00
		50	0	20.04	20.26	20.57	21.00
	QPSK						
		1	0	20.16	20.03	20.48	21.00
		1	25	19.93	20.44	20.83	21.00
		1	49	19.77	20.55	20.49	21.00
		25	0	19.17	18.85	20.00	20.00
		25	13	19.13	19.25	19.60	20.00
		25	25	18.59	19.49	19.23	20.00
		50	0	18.94	19.40	19.70	20.00
	16QAM						
		1	0	19.34	18.72	19.63	20.00
		1	25	19.19	19.34	19.93	20.00
		1	49	18.65	19.63	19.46	20.00
		25	0	18.39	17.95	18.00	19.00
		25	13	18.13	18.16	18.74	19.00
		25	25	17.75	18.36	18.40	19.00
		50	0	17.97	18.04	18.55	19.00
	64QAM						
		1	0	19.34	18.72	19.63	20.00
		1	25	19.19	19.34	19.93	20.00
		1	49	18.65	19.63	19.46	20.00
		25	0	18.39	17.95	18.00	19.00
		25	13	18.13	18.16	18.74	19.00
		25	25	17.75	18.36	18.40	19.00
		50	0	17.97	18.04	18.55	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
		1	0	21.17	20.73	21.48	22.00
		1	38	21.05	21.09	21.35	22.00
		1	74	20.60	21.42	21.37	22.00
		36	0	19.70	19.80	20.70	21.00
		36	18	20.04	20.13	20.60	21.00
		36	39	19.72	20.48	20.43	21.00
		75	0	19.98	20.16	20.51	21.00
	QPSK						



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	16QAM	1	0	20.08	19.93	20.53	21.00
		1	38	20.03	20.52	20.80	21.00
		1	74	19.79	20.58	20.55	21.00
		36	0	19.22	18.77	19.90	20.00
		36	18	19.14	19.15	19.58	20.00
		36	39	18.57	19.46	19.28	20.00
		75	0	18.99	19.30	19.62	20.00
	64QAM	1	0	19.31	18.66	19.62	20.00
		1	38	19.18	19.30	19.90	20.00
		1	74	18.66	19.60	19.46	20.00
		36	0	18.31	18.02	18.22	19.00
		36	18	18.16	18.16	18.75	19.00
		36	39	17.76	18.45	18.48	19.00
		75	0	17.92	18.14	18.56	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.08	20.67	21.55	22.00
		1	50	21.08	21.14	21.44	22.00
		1	99	20.63	21.40	21.31	22.00
		50	0	19.72	19.89	20.80	21.00
		50	25	20.06	20.19	20.59	21.00
		50	50	19.68	20.54	20.42	21.00
		100	0	19.96	20.19	20.51	21.00
	16QAM	1	0	20.12	19.93	20.60	21.00
		1	50	20.08	20.45	20.75	21.00
		1	99	19.85	20.67	20.51	21.00
		50	0	19.20	18.83	19.89	20.00
		50	25	19.08	19.20	19.64	20.00
		50	50	18.60	19.54	19.35	20.00
		100	0	18.93	19.22	19.69	20.00
	64QAM	1	0	19.21	18.76	19.63	20.00
		1	50	19.20	19.26	19.80	20.00
		1	99	18.75	19.54	19.49	20.00
		50	0	18.27	17.93	18.96	19.00
		50	25	18.13	18.23	18.65	19.00
		50	50	17.75	18.54	18.44	19.00
		100	0	17.98	18.24	18.66	19.00



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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	20.54	20.53	20.56	21.50
		1	2	20.47	20.48	20.53	21.50
		1	5	20.80	20.73	20.65	21.50
		3	0	20.53	20.58	20.52	21.50
		3	2	20.68	20.72	20.73	21.50
		3	3	20.33	20.41	20.46	21.50
		6	0	19.49	19.43	19.38	20.50
	16QAM	1	0	19.97	19.88	19.85	20.50
		1	2	19.69	19.62	19.72	20.50
		1	5	19.71	19.78	19.76	20.50
		3	0	19.47	19.45	19.44	20.50
		3	2	19.62	19.67	19.72	20.50
		3	3	19.57	19.61	19.62	20.50
		6	0	18.67	18.61	18.71	19.50
	64QAM	1	0	18.56	18.66	18.71	19.50
		1	2	18.71	18.81	18.88	19.50
		1	5	18.66	18.75	18.83	19.50
		3	0	18.56	18.65	18.62	19.50
		3	2	18.57	18.47	18.42	19.50
		3	3	18.69	18.73	18.77	19.50
		6	0	17.47	17.56	17.51	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	20.39	20.49	20.59	21.50
		1	7	20.49	20.46	20.44	21.50
		1	14	20.68	20.71	20.64	21.50
		8	0	19.62	19.60	19.65	20.50
		8	4	19.75	19.70	19.68	20.50
		8	7	19.33	19.41	19.44	20.50
		15	0	19.42	19.49	19.47	20.50
	16QAM	1	0	19.88	19.87	19.87	20.50
		1	7	19.65	19.66	19.73	20.50
		1	14	19.76	19.79	19.80	20.50
		8	0	18.60	18.51	18.61	19.50
		8	4	18.63	18.70	18.72	19.50



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	64QAM	8	7	18.45	18.52	18.62	19.50
		15	0	18.70	18.64	18.56	19.50
		1	0	18.81	18.71	18.67	19.50
		1	7	18.75	18.76	18.77	19.50
		1	14	18.86	18.84	18.74	19.50
		8	0	17.73	17.63	17.70	18.50
		8	4	17.62	17.54	17.62	18.50
		8	7	17.79	17.73	17.63	18.50
		15	0	17.38	17.46	17.51	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	20.57	20.53	20.54	21.50
		1	13	20.58	20.54	20.52	21.50
		1	24	20.60	20.62	20.69	21.50
		12	0	19.50	19.53	19.60	20.50
		12	6	19.74	19.64	19.61	20.50
		12	13	19.33	19.39	19.43	20.50
		25	0	19.65	19.55	19.65	20.50
	16QAM	1	0	19.92	19.83	19.79	20.50
		1	13	19.62	19.60	19.70	20.50
		1	24	19.83	19.77	19.80	20.50
		12	0	18.50	18.45	18.46	19.50
		12	6	18.72	18.67	18.65	19.50
		12	13	18.50	18.52	18.51	19.50
		25	0	18.77	18.67	18.69	19.50
	64QAM	1	0	18.73	18.67	18.67	19.50
		1	13	18.59	18.68	18.68	19.50
		1	24	18.85	18.77	18.78	19.50
		12	0	17.54	17.57	17.60	18.50
		12	6	17.46	17.50	17.45	18.50
		12	13	17.71	17.76	17.79	18.50
		25	0	17.51	17.56	17.55	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23095	/	
10MHz	QPSK	1	0	/	20.61	/	21.50
		1	25	/	20.45	/	21.50
		1	49	/	20.56	/	21.50
		25	0	/	19.51	/	20.50
		25	13	/	19.60	/	20.50
		25	25	/	19.47	/	20.50



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		50	0	/	19.58	/	20.50
	16QAM	1	0	/	19.86	/	20.50
		1	25	/	19.65	/	20.50
		1	49	/	19.87	/	20.50
		25	0	/	18.52	/	19.50
		25	13	/	18.57	/	19.50
		25	25	/	18.61	/	19.50
		50	0	/	18.58	/	19.50
	64QAM	1	0	/	18.73	/	19.50
		1	25	/	18.69	/	19.50
		1	49	/	18.84	/	19.50
		25	0	/	17.62	/	18.50
		25	13	/	17.51	/	18.50
		25	25	/	17.67	/	18.50
		50	0	/	17.64	/	18.50

LTE FDD Band 13				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
5MHz	QPSK	1	0	/	20.49	/	21.50
		1	13	/	20.88	/	21.50
		1	24	/	20.82	/	21.50
		12	0	/	19.65	/	20.50
		12	6	/	19.58	/	20.50
		12	13	/	19.89	/	20.50
		25	0	/	19.62	/	20.50
	16QAM	1	0	/	19.79	/	20.50
		1	13	/	19.94	/	20.50
		1	24	/	19.67	/	20.50
		12	0	/	18.59	/	19.50
		12	6	/	18.70	/	19.50
		12	13	/	18.88	/	19.50
		25	0	/	18.70	/	19.50
	64QAM	1	0	/	18.55	/	19.50
		1	13	/	18.77	/	19.50
		1	24	/	18.97	/	19.50
		12	0	/	17.75	/	18.50
		12	6	/	17.86	/	18.50



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		12	13	/	17.77	/	18.50
		25	0	/	17.66	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23230	/	
10MHz	QPSK	1	0	/	20.52	/	21.50
		1	25	/	20.88	/	21.50
		1	49	/	20.76	/	21.50
		25	0	/	19.56	/	20.50
		25	13	/	19.66	/	20.50
		25	25	/	19.82	/	20.50
		50	0	/	19.7	/	20.50
	16QAM	1	0	/	19.79	/	20.50
		1	25	/	19.88	/	20.50
		1	49	/	19.97	/	20.50
		25	0	/	18.61	/	19.50
		25	13	/	18.77	/	19.50
		25	25	/	18.81	/	19.50
		50	0	/	18.66	/	19.50
	64QAM	1	0	/	18.55	/	19.50
		1	25	/	19.02	/	19.50
		1	49	/	18.90	/	19.50
		25	0	/	17.65	/	18.50
		25	13	/	17.85	/	18.50
		25	25	/	17.86	/	18.50
		50	0	/	17.76	/	18.50

LTE FDD Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23790	/	
5MHz	QPSK	1	0	/	20.67	/	21.50
		1	13	/	20.91	/	21.50
		1	24	/	20.86	/	21.50
		12	0	/	19.76	/	20.50
		12	6	/	19.88	/	20.50
		12	13	/	19.89	/	20.50
		25	0	/	19.78	/	20.50
	16QAM	1	0	/	19.75	/	20.50
		1	13	/	19.81	/	20.50



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		1	24	/	19.87	/	20.50
		12	0	/	18.71	/	19.50
		12	6	/	18.92	/	19.50
		12	13	/	18.73	/	19.50
		25	0	/	18.84	/	19.50
	64QAM	1	0	/	18.73	/	19.50
		1	13	/	18.76	/	19.50
		1	24	/	18.70	/	19.50
		12	0	/	17.84	/	18.50
		12	6	/	17.90	/	18.50
		12	13	/	17.86	/	18.50
		25	0	/	17.81	/	18.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
/					23790	/	
10MHz	QPSK	1	0	/	20.61	/	21.50
		1	25	/	20.88	/	21.50
		1	49	/	20.84	/	21.50
		25	0	/	19.68	/	20.50
		25	13	/	19.82	/	20.50
		25	25	/	19.82	/	20.50
		50	0	/	19.76	/	20.50
	16QAM	1	0	/	19.75	/	20.50
		1	25	/	19.85	/	20.50
		1	49	/	19.66	/	20.50
		25	0	/	18.71	/	19.50
		25	13	/	18.84	/	19.50
		25	25	/	18.82	/	19.50
		50	0	/	18.75	/	19.50
	64QAM	1	0	/	18.69	/	19.50
		1	25	/	18.66	/	19.50
		1	49	/	18.68	/	19.50
		25	0	/	17.77	/	18.50
		25	13	/	17.92	/	18.50
		25	25	/	17.91	/	18.50
		50	0	/	17.84	/	18.50



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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	20.39	20.39	20.30	21.50
		1	2	20.83	20.88	20.93	21.50
		1	5	20.26	20.20	20.28	21.50
		3	0	20.45	20.41	20.43	21.50
		3	2	20.35	20.44	20.42	21.50
		3	3	20.42	20.34	20.34	21.50
		6	0	19.57	19.56	19.61	20.50
	16QAM	1	0	19.24	19.18	19.23	20.50
		1	2	19.89	19.92	19.87	20.50
		1	5	19.41	19.32	19.33	20.50
		3	0	19.44	19.50	19.51	20.50
		3	2	19.47	19.57	19.58	20.50
		3	3	19.24	19.30	19.33	20.50
		6	0	18.31	18.21	18.14	19.50
	64QAM	1	0	18.34	18.29	18.39	19.50
		1	2	18.82	18.73	18.76	19.50
		1	5	18.61	18.51	18.60	19.50
		3	0	18.21	18.20	18.10	19.50
		3	2	18.86	18.82	18.87	19.50
		3	3	18.31	18.41	18.40	19.50
		6	0	17.36	17.32	17.41	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	20.29	20.30	20.26	21.50
		1	7	20.92	20.96	20.96	21.50
		1	14	20.21	20.11	20.06	21.50
		8	0	19.42	19.39	19.32	20.50
		8	4	19.47	19.44	19.35	20.50
		8	7	19.29	19.32	19.26	20.50
		15	0	19.46	19.52	19.46	20.50
	16QAM	1	0	19.23	19.27	19.23	20.50
		1	7	19.91	19.82	19.75	20.50
		1	14	19.45	19.40	19.46	20.50
		8	0	18.32	18.40	18.43	19.50
		8	4	18.64	18.57	18.65	19.50



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	64QAM	8	7	18.21	18.25	18.34	19.50
		15	0	18.16	18.24	18.17	19.50
		1	0	18.47	18.38	18.28	19.50
		1	7	18.89	18.80	18.83	19.50
		1	14	18.38	18.42	18.36	19.50
		8	0	17.33	17.27	17.25	18.50
		8	4	17.83	17.89	17.89	18.50
		8	7	17.36	17.40	17.47	18.50
		15	0	17.34	17.40	17.46	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	20.19	20.25	20.25	21.50
		1	13	20.92	20.93	20.93	21.50
		1	24	20.07	20.14	20.11	21.50
		12	0	19.27	19.34	19.29	20.50
		12	6	19.57	19.52	19.58	20.50
		12	13	19.34	19.37	19.27	20.50
		25	0	19.59	19.49	19.42	20.50
	16QAM	1	0	19.21	19.30	19.25	20.50
		1	13	19.88	19.92	19.90	20.50
		1	24	19.37	19.42	19.47	20.50
		12	0	18.28	18.34	18.26	19.50
		12	6	18.60	18.59	18.55	19.50
		12	13	18.36	18.34	18.27	19.50
		25	0	18.25	18.34	18.25	19.50
	64QAM	1	0	18.39	18.31	18.23	19.50
		1	13	18.85	18.86	18.95	19.50
		1	24	18.38	18.35	18.40	19.50
		12	0	17.22	17.30	17.32	18.50
		12	6	17.82	17.79	17.71	18.50
		12	13	17.49	17.43	17.49	18.50
		25	0	17.36	17.34	17.37	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	20.15	20.17	20.17	21.50
		1	25	20.86	20.85	20.84	21.50
		1	49	20.13	20.14	20.12	21.50
		25	0	19.36	19.34	19.41	20.50
		25	13	19.71	19.61	19.54	20.50
		25	25	19.43	19.36	19.45	20.50



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		50	0	19.33	19.40	19.44	20.50
	16QAM	1	0	19.19	19.20	19.19	20.50
		1	25	19.95	19.96	19.90	20.50
		1	49	19.53	19.46	19.54	20.50
		25	0	18.27	18.36	18.33	19.50
		25	13	18.63	18.58	18.51	19.50
		25	25	18.46	18.42	18.49	19.50
		50	0	18.28	18.26	18.23	19.50
	64QAM	1	0	18.30	18.33	18.37	19.50
		1	25	18.85	18.91	18.89	19.50
		1	49	18.21	18.26	18.20	19.50
		25	0	17.43	17.39	17.41	18.50
		25	13	17.64	17.73	17.76	18.50
		25	25	17.35	17.37	17.46	18.50
		50	0	17.40	17.42	17.46	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	26865	/	
15MHz	QPSK	1	0	/	20.20	/	21.50
		1	38	/	20.85	/	21.50
		1	74	/	20.20	/	21.50
		36	0	/	19.29	/	20.50
		36	18	/	19.66	/	20.50
		36	39	/	19.33	/	20.50
		75	0	/	19.36	/	20.50
	16QAM	1	0	/	19.22	/	20.50
		1	38	/	19.43	/	20.50
		1	74	/	19.51	/	20.50
		36	0	/	18.30	/	19.50
		36	18	/	18.67	/	19.50
		36	39	/	18.35	/	19.50
		75	0	/	18.33	/	19.50
	64QAM	1	0	/	18.24	/	19.50
		1	38	/	18.85	/	19.50
		1	74	/	18.29	/	19.50
		36	0	/	17.37	/	18.50
		36	18	/	17.68	/	18.50
		36	39	/	17.37	/	18.50
		75	0	/	17.33	/	18.50



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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	17.45	17.45	17.27	19.00
		1	2	18.25	18.08	18.21	19.00
		1	5	18.15	17.95	18.02	19.00
		3	0	17.49	17.49	17.26	19.00
		3	2	18.15	18.11	18.19	19.00
		3	3	18.20	17.96	17.96	19.00
		6	0	17.53	17.50	17.35	19.00
	16QAM	1	0	18.17	18.09	18.23	19.00
		1	2	18.10	18.00	18.04	19.00
		1	5	17.44	17.51	17.24	19.00
		3	0	18.20	18.04	18.19	19.00
		3	2	18.12	18.00	18.01	19.00
		3	3	17.51	17.42	17.28	19.00
		6	0	18.20	18.05	18.19	19.00
	64QAM	1	0	18.18	17.94	17.99	19.00
		1	2	17.52	17.52	17.35	19.00
		1	5	18.19	18.04	18.18	19.00
		3	0	18.16	17.93	18.00	19.00
		3	2	17.53	17.47	17.36	19.00
		3	3	18.17	18.07	18.25	19.00
		6	0	18.14	17.95	17.97	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	17.53	17.46	17.34	19.00
		1	7	18.19	18.11	18.22	19.00
		1	14	18.20	17.92	18.03	19.00
		8	0	17.56	17.50	17.32	19.00
		8	4	18.18	18.07	18.26	19.00
		8	7	18.18	17.90	18.04	19.00
		15	0	17.52	17.52	17.37	19.00
	16QAM	1	0	18.16	18.01	18.22	19.00
		1	7	18.16	18.01	18.03	19.00
		1	14	17.43	17.51	17.31	19.00
		8	0	18.19	18.06	18.24	19.00
		8	4	18.09	17.98	17.97	19.00



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	64QAM	8	7	17.47	17.49	17.27	19.00
		15	0	18.22	18.06	18.19	19.00
		1	0	18.14	17.92	18.01	19.00
		1	7	17.48	17.51	17.30	19.00
		1	14	18.16	18.01	18.21	19.00
		8	0	18.15	17.95	18.04	19.00
		8	4	17.56	17.40	17.31	19.00
		8	7	18.17	18.12	18.23	19.00
		15	0	18.14	17.94	17.98	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	17.53	17.41	17.31	19.00
		1	13	18.26	18.11	18.27	19.00
		1	24	18.19	17.95	17.99	19.00
		12	0	17.50	17.47	17.27	19.00
		12	6	18.23	18.08	18.26	19.00
		12	13	18.14	17.90	17.97	19.00
		25	0	17.52	17.52	17.39	19.00
	16QAM	1	0	18.20	18.09	18.27	19.00
		1	13	18.12	18.00	18.02	19.00
		1	24	17.45	17.46	17.26	19.00
		12	0	18.17	18.03	18.18	19.00
		12	6	18.12	17.96	17.98	19.00
		12	13	17.51	17.44	17.30	19.00
		25	0	18.22	18.01	18.17	19.00
	64QAM	1	0	18.15	17.91	18.00	19.00
		1	13	17.54	17.50	17.28	19.00
		1	24	18.21	18.00	18.16	19.00
		12	0	18.10	17.98	18.03	19.00
		12	6	17.53	17.42	17.37	19.00
		12	13	18.18	18.11	18.24	19.00
		25	0	18.14	17.89	17.95	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	17.53	17.46	17.31	19.00
		1	25	18.26	18.12	18.23	19.00
		1	49	18.12	17.92	18.05	19.00
		25	0	17.56	17.47	17.28	19.00
		25	13	18.20	18.13	18.21	19.00
		25	25	18.18	17.95	18.00	19.00



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	16QAM	50	0	17.51	17.49	17.37	19.00
		1	0	18.19	18.05	18.22	19.00
		1	25	18.16	17.95	18.01	19.00
		1	49	17.45	17.45	17.32	19.00
		25	0	18.21	18.11	18.26	19.00
		25	13	18.09	17.94	18.00	19.00
		25	25	17.54	17.43	17.27	19.00
		50	0	18.22	18.03	18.20	19.00
	64QAM	1	0	18.13	17.87	18.00	19.00
		1	25	17.47	17.55	17.32	19.00
		1	49	18.18	18.04	18.20	19.00
		25	0	18.12	17.95	18.04	19.00
		25	13	17.51	17.40	17.39	19.00
		25	25	18.16	18.10	18.20	19.00
		50	0	18.07	17.94	17.97	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	17.48	17.44	17.26	19.00
		1	38	18.20	18.09	18.26	19.00
		1	74	18.12	17.97	17.99	19.00
		36	0	17.52	17.53	17.32	19.00
		36	18	18.16	18.07	18.20	19.00
		36	39	18.19	17.96	17.99	19.00
		75	0	17.56	17.48	17.31	19.00
	16QAM	1	0	18.15	18.06	18.23	19.00
		1	38	18.09	18.01	18.01	19.00
		1	74	17.47	17.43	17.30	19.00
		36	0	18.22	18.06	18.20	19.00
		36	18	18.15	17.98	18.02	19.00
		36	39	17.50	17.45	17.30	19.00
		75	0	18.14	18.06	18.23	19.00
	64QAM	1	0	18.12	17.94	18.03	19.00
		1	38	17.48	17.55	17.30	19.00
		1	74	18.19	17.98	18.15	19.00
		36	0	18.17	17.97	18.02	19.00
		36	18	17.50	17.46	17.34	19.00
		36	39	18.14	18.10	18.20	19.00
		75	0	18.09	17.94	17.96	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	



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20MHz	QPSK	1	0	17.54	17.49	17.35	19.00
		1	50	18.27	18.14	18.30	19.00
		1	99	18.21	17.98	18.06	19.00
		50	0	17.57	17.56	17.34	19.00
		50	25	18.24	18.15	18.27	19.00
		50	50	18.22	17.99	18.05	19.00
		100	0	17.57	17.53	17.40	19.00
	16QAM	1	0	18.24	18.10	18.29	19.00
		1	50	18.18	18.04	18.09	19.00
		1	99	17.50	17.52	17.33	19.00
		50	0	18.26	18.12	18.27	19.00
		50	25	18.17	18.02	18.05	19.00
		50	50	17.56	17.51	17.36	19.00
		100	0	18.23	18.10	18.25	19.00
	64QAM	1	0	18.20	17.96	18.06	19.00
		1	50	17.55	17.56	17.37	19.00
		1	99	18.23	18.07	18.22	19.00
		50	0	18.18	18.01	18.06	19.00
		50	25	17.57	17.48	17.40	19.00
		50	50	18.22	18.14	18.26	19.00
		100	0	18.16	17.98	18.01	19.00

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	19.91	20.86	20.30	21.50
		1	2	20.58	20.83	20.76	21.50
		1	5	20.96	20.64	20.99	21.50
		3	0	19.89	20.78	20.35	21.50
		3	1	20.77	20.86	20.70	21.50
		3	3	21.24	21.07	20.81	21.50
		6	0	19.84	19.72	19.82	20.50
	16QAM	1	0	19.37	20.29	19.77	20.50
		1	2	19.95	20.07	19.69	20.50
		1	5	20.30	19.66	20.07	20.50
		3	0	19.22	19.92	19.14	20.50
		3	1	19.62	19.94	19.63	20.50
		3	3	19.94	19.55	19.92	20.50



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		6	0	18.63	18.67	18.64	19.50
		1	0	18.30	19.06	18.26	19.50
		1	2	18.75	18.94	18.46	19.50
		1	5	19.25	18.45	18.88	19.50
		3	0	18.28	18.92	18.50	19.50
		3	1	18.78	18.65	18.82	19.50
		3	3	19.03	18.54	18.88	19.50
		6	0	17.65	17.75	17.60	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	19.93	20.76	20.36	21.50
		1	7	20.68	20.76	20.72	21.50
		1	14	20.93	20.56	20.93	21.50
		8	0	18.95	19.83	19.42	20.50
		8	4	19.81	19.88	19.76	20.50
		8	7	20.21	19.99	19.83	20.50
		15	0	19.76	19.75	19.79	20.50
	16QAM	1	0	19.43	20.24	19.78	20.50
		1	7	19.93	20.03	19.71	20.50
		1	14	20.27	19.73	20.10	20.50
		8	0	18.16	18.88	18.05	19.50
		8	4	18.72	18.96	18.57	19.50
		8	7	18.95	18.49	18.82	19.50
		15	0	18.54	18.76	18.59	19.50
	64QAM	1	0	18.29	19.00	18.20	19.50
		1	7	18.73	18.85	18.47	19.50
		1	14	19.16	18.53	18.87	19.50
		8	0	17.18	17.88	17.52	18.50
		8	4	17.87	17.74	17.79	18.50
		8	7	17.98	17.64	17.84	18.50
		15	0	17.66	17.66	17.62	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	19.99	20.85	20.35	21.50
		1	13	20.72	20.73	20.73	21.50
		1	24	21.03	20.57	20.84	21.50
		12	0	18.93	19.85	19.32	20.50
		12	6	19.75	19.91	19.85	20.50
		12	13	20.12	19.95	19.77	20.50
		25	0	19.71	19.78	19.79	20.50



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	16QAM	1	0	19.38	20.29	19.71	20.50
		1	13	19.98	20.12	19.67	20.50
		1	24	20.17	19.75	20.08	20.50
		12	0	18.22	18.90	18.11	19.50
		12	6	18.68	18.86	18.60	19.50
		12	13	19.03	18.53	18.85	19.50
		25	0	18.54	18.78	18.63	19.50
	64QAM	1	0	18.26	19.08	18.27	19.50
		1	13	18.77	18.75	18.56	19.50
		1	24	19.17	18.57	18.90	19.50
		12	0	17.23	17.85	17.44	18.50
		12	6	17.81	17.83	17.71	18.50
		12	13	18.05	17.62	17.77	18.50
		25	0	17.64	17.56	17.60	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	19.99	20.94	20.38	21.50
		1	25	20.77	20.79	20.65	21.50
		1	49	21.00	20.49	20.76	21.50
		25	0	18.94	19.81	19.32	20.50
		25	13	19.66	19.94	19.78	20.50
		25	25	20.08	19.85	19.75	20.50
		50	0	19.66	19.75	19.74	20.50
	16QAM	1	0	19.42	20.19	19.65	20.50
		1	25	20.07	20.04	19.72	20.50
		1	49	20.18	19.74	20.02	20.50
		25	0	18.31	18.86	18.18	19.50
		25	13	18.62	18.77	18.66	19.50
		25	25	19.00	18.52	18.75	19.50
		50	0	18.64	18.76	18.63	19.50
	64QAM	1	0	18.16	19.11	18.29	19.50
		1	25	18.80	18.83	18.59	19.50
		1	49	19.12	18.60	18.88	19.50
		25	0	17.31	17.75	17.41	18.50
		25	13	17.73	17.79	17.66	18.50
		25	25	18.01	17.66	17.82	18.50
		50	0	17.69	17.59	17.53	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	20.08	20.87	20.36	21.50



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		1	38	20.74	20.69	20.63	21.50	
		1	74	21.05	20.53	20.85	21.50	
		36	0	19.01	19.82	19.25	20.50	
		36	18	19.76	19.84	19.79	20.50	
		36	39	20.01	19.76	19.70	20.50	
		75	0	19.70	19.77	19.68	20.50	
	16QAM	1	0	19.49	20.19	19.71	20.50	
		1	38	19.98	20.10	19.81	20.50	
		1	74	20.21	19.79	19.98	20.50	
		36	0	18.23	18.83	18.28	19.50	
		36	18	18.63	18.86	18.67	19.50	
		36	39	19.06	18.56	18.72	19.50	
	64QAM	75	0	18.69	18.78	18.58	19.50	
		1	0	18.25	19.11	18.38	19.50	
		1	38	18.85	18.84	18.49	19.50	
		1	74	19.21	18.69	18.82	19.50	
		36	0	17.35	17.82	17.44	18.50	
		36	18	17.78	17.80	17.75	18.50	
		36	39	18.10	17.67	17.82	18.50	
		75	0	17.70	17.61	17.59	18.50	
		Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
132072						132322	132572	
20MHz		QPSK	1	0	20.13	20.77	20.44	21.50
			1	50	20.65	20.72	20.59	21.50
	1		99	20.97	20.47	20.87	21.50	
	50		0	19.08	19.78	19.33	20.50	
	50		25	19.67	19.75	19.70	20.50	
	50		50	20.09	19.66	19.80	20.50	
	100		0	19.76	19.73	19.60	20.50	
	16QAM	1	0	19.41	20.14	19.61	20.50	
		1	50	19.96	20.19	19.81	20.50	
		1	99	20.25	19.85	19.90	20.50	
		50	0	18.29	18.81	18.36	19.50	
		50	25	18.69	18.81	18.70	19.50	
		50	50	19.09	18.63	18.82	19.50	
		100	0	18.76	18.73	18.58	19.50	
	64QAM	1	0	18.33	19.02	18.36	19.50	
		1	50	18.85	18.89	18.57	19.50	
		1	99	19.20	18.72	18.72	19.50	
		50	0	17.31	17.83	17.39	18.50	



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		50	25	17.70	17.80	17.72	18.50
		50	50	18.13	17.66	17.82	18.50
		100	0	17.70	17.71	17.60	18.50

LTE Band 38				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.24	22.33	22.25	24.00
		1	13	23.75	23.69	23.79	24.00
		1	24	23.40	23.40	23.43	24.00
		12	0	22.81	22.86	22.79	23.00
		12	6	22.85	22.87	22.76	23.00
		12	13	22.69	22.76	22.78	23.00
		25	0	22.85	22.91	22.76	23.00
	16QAM	1	0	22.94	22.92	22.94	23.00
		1	13	22.93	22.83	22.92	23.00
		1	24	22.81	22.83	22.79	23.00
		12	0	21.96	21.87	21.79	22.00
		12	6	21.96	21.84	21.79	22.00
		12	13	21.97	21.83	21.83	22.00
		25	0	21.86	21.87	21.77	22.00
	64QAM	1	0	21.86	21.86	21.89	22.00
		1	13	21.68	21.59	21.49	22.00
		1	24	21.88	21.98	21.94	22.00
		12	0	20.93	20.90	20.71	21.00
		12	6	20.99	20.98	21.00	21.00
		12	13	20.95	20.88	20.74	21.00
		25	0	20.90	20.84	20.79	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.29	22.31	22.16	24.00
		1	25	23.76	23.59	23.85	24.00
		1	49	23.30	23.45	23.53	24.00
		25	0	22.73	22.84	22.74	23.00
		25	13	22.90	22.79	22.77	23.00
		25	25	22.76	22.73	22.85	23.00
		50	0	22.76	22.99	22.79	23.00
	16QAM	1	0	22.88	22.94	22.97	23.00



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		1	25	22.84	22.85	22.87	23.00
		1	49	22.77	22.75	22.89	23.00
		25	0	21.89	21.84	21.80	22.00
		25	13	22.00	21.83	21.73	22.00
		25	25	21.89	21.78	21.93	22.00
		50	0	21.79	21.88	21.84	22.00
	64QAM	1	0	21.78	21.92	21.90	22.00
		1	25	21.78	21.56	21.52	22.00
		1	49	21.97	21.87	21.92	22.00
		25	0	20.98	20.93	20.65	21.00
		25	13	20.99	21.00	20.90	21.00
		25	25	20.97	20.97	20.76	21.00
		50	0	20.93	20.89	20.80	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.30	22.29	22.35	24.00
		1	38	23.67	23.59	23.72	24.00
		1	74	23.42	23.30	23.33	24.00
		36	0	22.82	22.82	22.84	23.00
		36	18	22.95	22.90	22.80	23.00
		36	39	22.71	22.68	22.69	23.00
		75	0	22.81	22.84	22.82	23.00
	16QAM	1	0	22.86	22.87	23.00	23.00
		1	38	22.99	22.79	22.96	23.00
		1	74	22.79	22.80	22.69	23.00
		36	0	21.98	21.94	21.70	22.00
		36	18	21.87	21.88	21.77	22.00
		36	39	21.94	21.81	21.85	22.00
		75	0	21.92	21.81	21.67	22.00
	64QAM	1	0	21.76	21.80	21.83	22.00
		1	38	21.70	21.69	21.43	22.00
		1	74	21.85	21.97	22.00	22.00
		36	0	20.98	20.96	20.79	21.00
		36	18	20.76	20.88	20.99	21.00
		36	39	20.97	20.81	20.75	21.00
		75	0	20.96	20.84	20.88	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	38000	/	
20MHz	QPSK	1	0	/	22.52	/	24.00
		1	50	/	23.65	/	24.00



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		1	99	/	23.37	/	24.00
		50	0	/	22.85	/	23.00
		50	25	/	22.87	/	23.00
		50	50	/	22.72	/	23.00
		100	0	/	22.99	/	23.00
	16QAM	1	0	/	22.81	/	23.00
		1	50	/	22.92	/	23.00
		1	99	/	22.76	/	23.00
		50	0	/	21.96	/	22.00
		50	25	/	21.93	/	22.00
		50	50	/	21.87	/	22.00
		100	0	/	21.89	/	22.00
	64QAM	1	0	/	21.83	/	22.00
		1	50	/	21.57	/	22.00
		1	99	/	21.78	/	22.00
		50	0	/	20.91	/	21.00
		50	25	/	20.94	/	21.00
		50	50	/	20.94	/	21.00
		100	0	/	20.87	/	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	22.77	22.74	22.75	22.9	22.79	24.50
		1	13	23.44	23.5	23.5	23.59	23.48	24.50
		1	24	23.58	23.37	23.44	23.62	23.52	24.50
		12	0	22.15	22.3	22.35	22.14	22.16	23.50
		12	6	22.59	22.4	22.65	22.57	22.68	23.50
		12	13	22.22	22.25	22.24	22.16	22.1	23.50
		25	0	22.69	22.62	22.66	22.52	22.68	23.50
	16QAM	1	0	22.46	22.56	22.33	22.38	22.28	23.50
		1	13	22.53	22.59	22.57	22.7	22.53	23.50
		1	24	22.48	22.56	22.5	22.52	22.6	23.50
		12	0	21.44	21.33	21.46	21.48	21.57	22.50
		12	6	21.81	21.62	21.85	21.8	21.68	22.50
		12	13	21.47	21.57	21.64	21.53	21.36	22.50
		25	0	21.76	21.82	21.72	21.87	21.7	22.50
	64QAM	1	0	21.44	21.31	21.45	21.27	21.26	22.50



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		1	13	20.88	21.20	21.04	20.82	20.96	22.50
		1	24	21.12	21.30	21.23	21.14	21.27	22.50
		12	0	20.42	20.70	20.36	20.54	20.46	21.50
		12	6	20.61	20.40	20.45	20.45	20.55	21.50
		12	13	20.49	20.69	20.78	20.64	20.35	21.50
		25	0	20.89	20.64	20.44	20.69	20.63	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.67	22.68	22.72	22.86	22.8	24.50
		1	25	23.5	23.59	23.44	23.52	23.52	24.50
		1	49	23.53	23.34	23.49	23.54	23.53	24.50
		25	0	22.14	22.26	22.29	22.1	22.09	23.50
		25	13	22.55	22.5	22.6	22.53	22.65	23.50
		25	25	22.14	22.18	22.18	22.11	22.05	23.50
		50	0	22.59	22.6	22.56	22.53	22.73	23.50
	16QAM	1	0	22.52	22.49	22.3	22.37	22.26	23.50
		1	25	22.6	22.69	22.65	22.7	22.63	23.50
		1	49	22.38	22.64	22.59	22.45	22.54	23.50
		25	0	21.53	21.4	21.37	21.49	21.53	22.50
		25	13	21.83	21.68	21.78	21.78	21.67	22.50
		25	25	21.49	21.53	21.56	21.5	21.43	22.50
		50	0	21.77	21.81	21.75	21.81	21.78	22.50
	64QAM	1	0	21.48	21.31	21.43	21.37	21.29	22.50
		1	25	20.96	21.16	21.12	20.90	20.93	22.50
		1	49	21.11	21.20	21.18	21.14	21.18	22.50
		25	0	20.40	20.60	20.40	20.50	20.42	21.50
		25	13	20.62	20.49	20.48	20.46	20.56	21.50
		25	25	20.52	20.71	20.75	20.55	20.31	21.50
		50	0	20.80	20.70	20.54	20.76	20.70	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.63	22.6	22.73	22.87	22.76	24.50
		1	38	23.6	23.65	23.4	23.61	23.57	24.50
		1	74	23.5	23.44	23.39	23.52	23.52	24.50
		36	0	22.16	22.32	22.27	22.11	22.06	23.50
		36	18	22.54	22.52	22.65	22.58	22.68	23.50
		36	39	22.23	22.09	22.28	22.19	22.14	23.50
		75	0	22.62	22.54	22.54	22.62	22.7	23.50
	16QAM	1	0	22.45	22.46	22.35	22.35	22.34	23.50
		1	38	22.65	22.69	22.55	22.7	22.65	23.50



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		1	74	22.4	22.55	22.58	22.38	22.53	23.50
		36	0	21.49	21.47	21.43	21.43	21.49	22.50
		36	18	21.78	21.64	21.76	21.76	21.61	22.50
		36	39	21.44	21.53	21.52	21.43	21.42	22.50
		75	0	21.69	21.71	21.84	21.77	21.69	22.50
	64QAM	1	0	21.38	21.31	21.45	21.29	21.22	22.50
		1	38	21.06	21.22	21.06	20.96	21.00	22.50
		1	74	21.13	21.14	21.13	21.15	21.24	22.50
		36	0	20.43	20.63	20.44	20.49	20.51	21.50
		36	18	20.55	20.48	20.49	20.56	20.50	21.50
		36	39	20.45	20.62	20.70	20.59	20.41	21.50
		75	0	20.77	20.78	20.56	20.71	20.69	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.71	22.59	22.75	22.77	22.68	24.50
		1	50	23.51	23.64	23.49	23.57	23.52	24.50
		1	99	23.49	23.45	23.48	23.56	23.5	24.50
		50	0	22.13	22.36	22.25	22.17	22.08	23.50
		50	25	22.6	22.46	22.64	22.63	22.58	23.50
		50	50	22.13	22.14	22.22	22.19	22.11	23.50
		100	0	22.6	22.56	22.61	22.63	22.6	23.50
	16QAM	1	0	22.4	22.4	22.33	22.41	22.33	23.50
		1	50	22.61	22.67	22.64	22.63	22.59	23.50
		1	99	22.37	22.55	22.58	22.46	22.45	23.50
		50	0	21.46	21.41	21.37	21.48	21.45	22.50
		50	25	21.76	21.55	21.69	21.79	21.7	22.50
		50	50	21.42	21.49	21.5	21.46	21.39	22.50
		100	0	21.66	21.63	21.85	21.71	21.67	22.50
	64QAM	1	0	21.32	21.28	21.43	21.37	21.31	22.50
		1	50	20.99	21.16	21.04	21.02	21.00	22.50
		1	99	21.19	21.23	21.19	21.22	21.20	22.50
		50	0	20.52	20.53	20.45	20.58	20.56	21.50
		50	25	20.63	20.54	20.56	20.65	20.56	21.50
		50	50	20.49	20.61	20.74	20.58	20.50	21.50
		100	0	20.71	20.70	20.57	20.75	20.69	21.50



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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	19.80	20.00
	6	2437		19.78	20.00
	11	2462		19.40	20.00
802.11g	1	2412	6	14.75	15.00
	6	2437		17.86	18.00
	11	2462		17.44	18.00
802.11n HT20	1	2412	6.5	14.62	15.00
	6	2437		18.27	19.00
	11	2462		17.70	18.00
802.11n HT40	3	2422	13.5	15.92	16.00
	6	2437		18.74	19.00
	9	2452		13.10	14.00



2.2 Conducted Power of 5G WIFI

WIFI 5G					
5GHz		Channel	Frequency(MHz)	Average Power (dBm)	Tune up
5GHz U-NII-1	802.11a	36	5180	17.06	18.00
		40	5200	17.13	18.00
		44	5220	17.39	18.00
		48	5240	17.11	18.00
	802.11n HT20	36	5180	15.89	16.00
		40	5200	15.82	16.00
		44	5220	16.04	17.00
		48	5240	15.73	16.00
	802.11n HT40	38	5190	15.19	16.00
		46	5230	15.16	16.00
	802.11ac VHT20	36	5180	15.31	16.00
		40	5200	15.44	16.00
		44	5220	15.50	16.00
		48	5240	15.41	16.00
	802.11ac VHT40	38	5190	14.83	15.00
		46	5230	15.20	16.00
	802.11ac VHT80	42	5210	15.20	16.00
5GHz U-NII-2A	802.11a	52	5260	17.03	18.00
		56	5280	17.31	18.00
		60	5300	16.97	17.00
		64	5320	16.90	17.00
	802.11n HT20	52	5260	15.75	16.00
		56	5280	15.90	16.00
		60	5300	16.06	17.00
		64	5320	15.99	16.00
	802.11n HT40	54	5270	15.08	16.00
		62	5310	14.91	15.00
	802.11ac VHT20	52	5260	15.38	16.00
		56	5280	15.53	16.00
		60	5300	15.27	16.00
		64	5320	15.65	16.00
	802.11ac VHT40	54	5270	15.07	16.00
		62	5310	14.95	15.00
	802.11ac VHT80	58	5290	14.78	15.00
5GHz UNII-3	802.11a	149	5745	17.36	18.00



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		153	5765	17.43	18.00
		157	5785	16.98	17.00
		161	5805	17.08	18.00
		165	5825	16.94	17.00
	802.11n HT20	149	5745	17.28	18.00
		153	5765	17.14	18.00
		157	5785	16.14	17.00
		161	5805	16.33	17.00
		165	5825	16.10	17.00
	802.11n HT40	151	5755	15.20	16.00
		159	5795	14.96	15.00
	802.11ac VHT20	149	5745	15.63	16.00
		153	5765	15.36	16.00
		157	5785	15.40	16.00
		161	5805	15.12	16.00
		165	5825	15.30	16.00
	802.11ac VHT40	151	5755	15.24	16.00
		159	5795	15.00	15.00
	802.11ac VHT80	155	5775	15.20	16.00



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2.3 Conducted Power of Bluetooth

BT		Average Conducted Power(dBm)			Tune up
Band	Channel	0	39	78	
BT	GFSK	5.46	4.71	4.59	6.00
	π/4DQPSK	2.80	2.03	2.07	4.00
	8DPSK	2.61	2.13	2.12	4.00
Band	Channel	0	19	39	Tune up
BLE 1M	GFSK	7.01	5.86	5.83	7.50
BLE 2M	GFSK	5.42	5.59	6.01	7.00

- End of the Appendix -