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Appendix E

Conducted RF Output Power

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	23.73	23.41	24.24	25.00
		1	2	23.56	23.25	23.99	25.00
		1	5	23.53	23.15	23.94	25.00
		3	0	23.68	23.36	24.16	25.00
		3	2	23.38	23.32	23.94	25.00
		3	3	23.35	23.24	23.78	25.00
	16QAM	6	0	22.73	22.66	22.84	24.00
		1	0	22.82	22.96	22.72	24.00
		1	2	22.91	22.80	22.82	24.00
		1	5	22.92	22.86	22.87	24.00
		3	0	22.80	22.96	22.96	24.00
		3	2	22.73	22.61	22.72	24.00
		3	3	22.82	22.79	22.96	24.00
		6	0	21.87	21.94	21.69	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	18615	18900	19185	25.00
		1	7	23.70	23.36	24.36	25.00
		1	14	23.36	23.26	24.00	25.00
		8	0	23.55	23.21	23.91	25.00
		8	4	22.94	23.05	22.97	24.00
		8	7	22.75	22.82	22.66	24.00
	16QAM	8	7	22.88	22.85	22.92	24.00
		15	0	22.86	22.78	22.86	24.00
		1	0	22.97	22.85	22.72	24.00
		1	7	22.98	22.73	22.88	24.00
		1	14	22.82	22.83	22.84	24.00
		8	0	22.01	21.89	21.88	23.00
		8	4	21.88	21.94	21.89	23.00
		8	7	22.02	21.92	21.83	23.00
		15	0	21.86	21.96	21.88	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	QPSK	1	0	18625	18900	19175	25.00
		1	13	23.68	23.40	24.28	25.00
		1	24	23.47	23.31	23.97	25.00
		12	0	23.44	23.26	23.88	25.00
		12	6	22.95	23.00	23.22	24.00
		12	13	22.72	22.81	22.57	24.00
	16QAM	25	0	22.71	22.73	22.84	24.00
		1	0	22.87	22.75	22.65	24.00
		1	13	23.02	22.77	22.75	24.00
		1	24	22.78	22.68	22.73	24.00
		12	0	22.77	22.77	22.93	24.00
		12	6	21.89	21.89	21.97	23.00
	16QAM	12	6	21.88	21.85	21.90	23.00
		12	13	21.88	21.85	21.90	23.00
		25	0	22.04	21.90	21.87	23.00
		25	0	21.99	21.99	21.85	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	18650	18900	19150	25.00
		1	25	23.69	23.36	24.26	25.00
		1	49	23.44	23.30	24.01	25.00
		25	0	23.54	23.23	23.92	25.00
		25	13	22.93	23.14	23.17	24.00
		25	25	22.69	22.81	22.76	24.00
	16QAM	25	25	22.80	22.67	22.82	24.00
		50	0	22.76	22.77	22.75	24.00
		1	0	22.76	22.77	22.75	24.00
		1	25	22.94	22.78	22.74	24.00
		1	49	22.74	22.85	22.82	24.00
		25	0	22.73	22.77	22.77	24.00
	16QAM	25	0	22.05	22.09	22.04	23.00
		25	13	22.05	21.75	21.93	23.00
		25	25	21.87	21.75	21.93	23.00
		25	25	22.09	21.85	21.91	23.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
		50	0	21.87	21.89	21.83	23.00
				18675	18900	19125	
15MHz	QPSK	1	0	23.81	23.50	24.35	25.00
		1	38	23.33	23.15	24.14	25.00
		1	74	23.41	23.19	23.79	25.00
		36	0	22.99	23.03	23.18	24.00
		36	18	22.93	22.80	22.72	24.00
		36	39	22.84	22.87	22.84	24.00
		75	0	22.77	22.73	22.76	24.00
	16QAM	1	0	22.80	22.92	22.67	24.00
		1	38	22.94	22.71	22.74	24.00
		1	74	22.75	22.81	22.93	24.00
		36	0	21.90	22.10	21.82	23.00
		36	18	21.85	21.73	21.95	23.00
		36	39	22.07	21.85	21.87	23.00
		75	0	21.91	22.03	21.90	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	24.01	23.66	24.45	25.00
		1	50	23.68	23.47	24.24	25.00
		1	99	23.68	23.44	24.11	25.00
		50	0	23.11	23.25	23.31	24.00
		50	25	23.04	22.92	22.90	24.00
		50	50	23.05	22.98	23.08	24.00
		100	0	23.04	22.99	22.98	24.00
	16QAM	1	0	23.14	23.05	22.96	24.00
		1	50	23.08	22.97	23.05	24.00
		1	99	23.03	23.07	23.08	24.00
		50	0	22.23	22.20	22.15	23.00
		50	25	22.18	22.07	22.10	23.00
		50	50	22.19	22.03	22.08	23.00
		100	0	22.17	22.14	22.02	23.00

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	22.85	23.47	23.31	24.00
		1	2	22.54	23.18	23.15	24.00
		1	5	22.79	23.35	22.95	24.00
		3	0	22.70	23.43	23.30	24.00
		3	2	22.45	23.24	23.12	24.00
		3	3	22.60	23.45	23.07	24.00
		6	0	21.70	22.19	21.93	23.00
	16QAM	1	0	21.59	22.48	21.99	23.00
		1	2	21.49	22.19	22.01	23.00
		1	5	21.64	22.25	21.96	23.00
		3	0	21.55	22.13	21.94	23.00
		3	2	21.51	22.35	22.21	23.00
		3	3	21.62	22.28	21.99	23.00
		6	0	20.85	21.38	20.96	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.79	23.35	23.34	24.00
		1	7	22.56	23.27	22.93	24.00
		1	14	22.64	23.29	22.87	24.00
		8	0	21.55	22.21	21.95	23.00
		8	4	21.44	22.29	22.21	23.00
		8	7	21.45	22.22	21.96	23.00
		15	0	21.62	22.26	22.02	23.00
	16QAM	1	0	21.55	22.24	21.95	23.00
		1	7	21.40	22.12	21.88	23.00
		1	14	21.48	22.11	22.07	23.00
		8	0	20.83	21.36	21.12	22.00
		8	4	20.69	21.28	21.14	22.00
		8	7	20.63	21.30	21.11	22.00
		15	0	20.87	21.46	20.90	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				19975	20175	20375	
5MHz	QPSK	1	0	22.87	23.43	23.32	24.00
		1	13	22.57	23.38	23.14	24.00
		1	24	22.57	23.29	22.90	24.00
		12	0	21.52	22.22	21.88	23.00
		12	6	21.62	22.23	22.16	23.00
		12	13	21.57	22.24	21.91	23.00
	16QAM	25	0	21.69	22.29	21.96	23.00
		1	0	21.62	22.44	22.06	23.00
		1	13	21.39	22.02	22.03	23.00
		1	24	21.52	22.27	22.03	23.00
		12	0	20.86	21.43	20.99	22.00
		12	6	20.70	21.27	21.29	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.80	23.42	23.14	24.00
		1	25	22.51	23.40	22.96	24.00
		1	49	22.60	23.41	23.08	24.00
		25	0	21.55	22.15	21.91	23.00
		25	13	21.43	22.33	22.03	23.00
		25	25	21.66	22.20	21.88	23.00
	16QAM	50	0	21.65	22.18	21.96	23.00
		1	0	21.48	22.26	22.01	23.00
		1	25	21.51	22.13	22.09	23.00
		1	49	21.63	22.33	22.11	23.00
		25	0	20.74	21.37	21.18	22.00
		25	13	20.72	21.39	21.06	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.68	23.54	23.36	24.00
		1	38	22.43	23.26	22.95	24.00
		1	74	22.74	23.21	22.92	24.00
		36	0	21.58	22.35	22.08	23.00
		36	18	21.54	22.29	22.19	23.00
		36	39	21.52	22.41	22.04	23.00
	16QAM	75	0	21.61	22.38	21.93	23.00
		1	0	21.43	22.36	21.94	23.00
		1	38	21.57	22.01	21.93	23.00
		1	74	21.44	22.23	22.19	23.00
		36	0	20.66	21.28	21.00	22.00
		36	18	20.66	21.15	21.19	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.73	/	24.00
		1	50	/	23.50	/	24.00
		1	99	/	23.54	/	24.00
		50	0	/	22.57	/	23.00
		50	25	/	22.46	/	23.00
		50	50	/	22.40	/	23.00
	16QAM	100	0	/	22.51	/	23.00
		1	0	/	22.47	/	23.00
		1	50	/	22.25	/	23.00
		1	99	/	22.57	/	23.00
		50	0	/	21.42	/	22.00
		50	25	/	21.43	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.73	/	24.00
		1	50	/	23.50	/	24.00
		1	99	/	23.54	/	24.00
		50	0	/	22.57	/	23.00
		50	25	/	22.46	/	23.00
		50	50	/	22.40	/	23.00
	16QAM	100	0	/	22.51	/	23.00
		1	0	/	22.47	/	23.00
		1	50	/	22.25	/	23.00
		1	99	/	22.57	/	23.00
		50	0	/	21.42	/	22.00
		50	25	/	21.43	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	20175	/	
20MHz	QPSK	1	0	/	23.73	/	24.00
		1	50	/	23.50	/	24.00
		1	99	/	23.54	/	24.00
		50	0	/	22.57	/	23.00
		50	25	/	22.46	/	23.00
		50	50	/	22.40	/	23.00
	16QAM	100	0	/	22.51	/	23.00
		1	0	/	22.47	/	23.00
		1	50	/	22.25	/	23.00
		1	99	/	22.57	/	23.00
		50	0	/	21.42	/	22.00
		50	25	/	21.43	/	22.00

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	23.16	23.32	23.16	24.00
		1	2	23.08	23.07	23.07	24.00
		1	5	23.03	22.99	23.09	24.00
		3	0	23.25	23.27	23.21	24.00
		3	2	23.10	23.08	23.02	24.00
		3	3	23.09	22.90	22.86	24.00
	16QAM	6	0	22.02	22.14	21.94	23.00
		1	0	22.27	22.13	22.08	23.00
		1	2	22.01	22.01	22.09	23.00
		1	5	22.32	22.32	22.23	23.00
		3	0	22.30	22.22	22.15	23.00
		3	2	22.19	22.05	22.12	23.00
		3	3	21.96	21.87	22.04	23.00
		6	0	21.14	20.92	20.98	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.24	23.30	23.19	24.00
		1	7	23.04	23.08	23.05	24.00
		1	14	23.01	22.91	22.91	24.00
		8	0	22.21	22.11	22.17	23.00
		8	4	22.14	22.03	22.07	23.00
		8	7	21.87	21.98	22.02	23.00
	16QAM	15	0	22.08	21.98	22.09	23.00
		1	0	22.26	22.09	22.26	23.00
		1	7	22.05	21.96	22.00	23.00
		1	14	22.27	22.26	22.16	23.00
		8	0	21.07	21.13	20.96	22.00
		8	4	21.13	20.94	21.02	22.00
		8	7	20.92	21.14	21.06	22.00
		15	0	21.03	20.99	20.98	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	QPSK	1	0	23.16	23.31	23.10	24.00
		1	13	23.00	22.95	22.97	24.00
		1	24	22.91	22.92	23.07	24.00
		12	0	22.21	22.21	22.12	23.00
		12	6	21.99	21.97	22.17	23.00
		12	13	21.92	22.01	21.93	23.00
	16QAM	25	0	22.09	22.11	21.99	23.00
		1	0	22.16	22.09	22.17	23.00
		1	13	21.92	21.88	21.94	23.00
		1	24	22.23	22.28	22.13	23.00
		12	0	21.11	21.05	20.94	22.00
		12	6	21.12	21.00	21.06	22.00
		12	13	20.97	20.93	21.13	22.00
		25	0	21.11	20.89	21.01	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23.44	/	24.00
		1	25	/	23.25	/	24.00
		1	49	/	23.19	/	24.00
		25	0	/	22.42	/	23.00
		25	13	/	22.30	/	23.00
		25	25	/	22.20	/	23.00
	16QAM	50	0	/	22.26	/	23.00
		1	0	/	22.39	/	23.00
		1	25	/	22.21	/	23.00
		1	49	/	22.40	/	23.00
		25	0	/	21.25	/	22.00
		25	13	/	21.25	/	22.00
		25	25	/	21.25	/	22.00
		50	0	/	21.23	/	22.00

LTE Band 7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.85	22.14	21.95	23.00
		1	13	21.55	21.62	21.42	23.00
		1	24	21.62	21.87	21.72	23.00
		12	0	20.70	20.70	20.71	22.00
		12	6	20.83	20.94	20.69	22.00
		12	13	20.61	21.05	20.61	22.00
	16QAM	25	0	20.72	21.06	20.93	22.00
		1	0	20.62	20.95	20.84	22.00
		1	13	20.64	20.89	20.72	22.00
		1	24	20.66	20.78	20.74	22.00
		12	0	19.82	19.68	19.74	21.00
		12	6	19.59	19.84	19.67	21.00
10MHz	QPSK	12	13	19.73	19.74	19.64	21.00
		25	0	19.67	20.00	19.67	21.00
	16QAM	1	0	21.67	22.13	21.82	23.00
		1	25	21.59	21.71	21.39	23.00
		1	49	21.68	21.88	21.68	23.00
		25	0	20.84	20.75	20.83	22.00
	16QAM	25	13	20.66	20.92	20.76	22.00
		25	25	20.64	20.98	20.65	22.00
		50	0	20.60	20.89	20.79	22.00
		1	0	20.62	20.90	20.71	22.00
		1	25	20.79	20.83	20.76	22.00
		1	49	20.54	20.82	20.70	22.00
15MHz	QPSK	25	0	19.83	19.93	19.93	21.00
		25	13	19.57	20.04	19.90	21.00
		25	25	19.60	19.82	19.86	21.00
		50	0	19.53	19.93	19.70	21.00
	16QAM	1	0	21.82	22.01	21.93	23.00
		1	38	21.64	21.81	21.46	23.00
	16QAM	1	74	21.48	21.84	21.67	23.00
		36	0	20.63	20.92	20.93	22.00
		36	18	20.80	20.89	20.80	22.00
		36	39	20.79	20.98	20.67	22.00
20MHz	QPSK	75	0	20.61	20.90	20.73	22.00
		1	0	20.85	20.77	20.72	22.00
		1	38	20.73	20.84	20.72	22.00
		1	74	20.59	20.86	20.89	22.00
		36	0	19.79	19.84	19.79	21.00
		36	18	19.78	19.86	19.80	21.00
	16QAM	36	39	19.76	19.89	19.64	21.00
		75	0	19.69	19.85	19.89	21.00
	16QAM	1	0	22.08	22.33	22.17	23.00
		1	50	21.96	22.07	21.83	23.00
		1	99	21.90	22.18	22.06	23.00
		50	0	21.08	21.30	21.13	22.00
		50	25	21.03	21.22	21.00	22.00
		50	50	21.00	21.13	20.94	22.00
	16QAM	100	0	21.02	21.26	21.13	22.00
		1	0	21.05	21.17	21.09	22.00
		1	50	20.99	21.22	21.13	22.00
		1	99	20.86	21.09	21.15	22.00
		50	0	20.08	20.13	20.17	21.00
		50	25	19.99	20.27	20.12	21.00
		50	50	19.99	20.18	20.07	21.00
		100	0	19.96	20.20	20.10	21.00

LTE Band 66				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.04	23.65	23.57	24.00
		1	2	22.78	23.43	23.15	24.00
		1	5	22.99	23.46	23.13	24.00
		3	0	22.94	23.64	23.54	24.00
		3	1	22.64	23.54	23.28	24.00
		3	3	22.83	23.46	23.06	24.00
	16QAM	6	0	21.93	22.51	22.26	23.00
		1	0	21.77	22.66	22.16	23.00
		1	2	21.61	22.29	22.23	23.00
		1	5	21.81	22.54	22.18	23.00
		3	0	21.69	22.37	22.12	23.00
		3	1	21.68	22.63	22.37	23.00
		3	3	21.69	22.62	22.26	23.00
		6	0	20.96	21.60	21.16	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.11	23.59	23.52	24.00
		1	7	22.66	23.40	23.24	24.00
		1	14	22.75	23.61	23.16	24.00
		8	0	21.87	22.42	22.15	23.00
		8	4	21.64	22.61	22.41	23.00
		8	7	21.83	22.58	22.19	23.00
	16QAM	15	0	21.75	22.37	22.21	23.00
		1	0	21.60	22.45	22.01	23.00
		1	7	21.78	22.25	22.22	23.00
		1	14	21.69	22.43	22.23	23.00
		8	0	21.05	21.44	21.19	22.00
		8	4	20.88	21.41	21.25	22.00
		8	7	20.83	21.55	21.11	22.00
		15	0	20.94	21.72	21.19	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.90	23.70	23.45	24.00
		1	13	22.78	23.61	23.34	24.00
		1	24	22.99	23.56	23.17	24.00
		12	0	21.71	22.33	22.16	23.00
		12	6	21.83	22.54	22.31	23.00
		12	13	21.89	22.40	22.18	23.00
	16QAM	25	0	21.82	22.51	22.12	23.00
		1	0	21.66	22.53	22.04	23.00
		1	13	21.66	22.23	22.27	23.00
		1	24	21.84	22.47	22.18	23.00
		12	0	21.04	21.60	21.17	22.00
		12	6	20.94	21.50	21.37	22.00
		12	13	20.88	21.73	21.15	22.00
		25	0	21.09	21.59	21.26	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.06	23.77	23.51	24.00
		1	25	22.78	23.39	23.30	24.00
		1	49	22.76	23.62	23.26	24.00
		25	0	21.86	22.35	22.23	23.00
		25	13	21.63	22.64	22.37	23.00
		25	25	21.78	22.41	22.11	23.00
	16QAM	50	0	21.80	22.41	22.03	23.00
		1	0	21.70	22.50	22.17	23.00
		1	25	21.68	22.21	22.18	23.00
		1	49	21.85	22.51	22.19	23.00
		25	0	20.93	21.64	21.30	22.00
		25	13	20.74	21.45	21.31	22.00
		25	25	20.92	21.59	21.08	22.00
		50	0	21.04	21.69	21.29	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	22.89	23.78	23.49	24.00
		1	38	22.61	23.39	23.13	24.00

		1	74	22.86	23.60	23.20	24.00
		36	0	21.81	22.44	22.18	23.00
		36	18	21.66	22.42	22.31	23.00
		36	39	21.89	22.51	22.29	23.00
		75	0	21.88	22.60	22.06	23.00
	16QAM	1	0	21.76	22.61	22.05	23.00
		1	38	21.72	22.41	22.21	23.00
		1	74	21.66	22.33	22.32	23.00
		36	0	21.10	21.39	21.28	22.00
		36	18	20.85	21.46	21.27	22.00
		36	39	20.92	21.71	21.23	22.00
		75	0	21.04	21.67	21.07	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.21	23.89	23.67	24.00
		1	50	22.88	23.71	23.45	24.00
		1	99	23.09	23.75	23.39	24.00
		50	0	22.02	22.67	22.39	23.00
		50	25	21.94	22.54	22.53	23.00
		50	50	21.98	22.53	22.39	23.00
	16QAM	100	0	22.09	22.61	22.36	23.00
		1	0	21.92	22.48	22.35	23.00
		1	50	21.90	22.55	22.43	23.00
		1	99	21.97	22.60	22.49	23.00
		50	0	21.20	21.33	21.50	22.00
		50	25	21.08	21.58	21.59	22.00
		50	50	21.12	21.83	21.43	22.00
		100	0	21.21	21.82	21.42	22.00



2 Conducted Power of WIFI
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	17.44	18.00
	6	2437		17.49	18.00
	11	2462		17.41	18.00
802.11g	1	2412	6	16.19	17.00
	6	2437		16.23	17.00
	11	2462		16.29	17.00
802.11n HT20	1	2412	6.5	16.01	17.00
	6	2437		16.08	17.00
	11	2462		16.04	17.00

- End of the Appendix -