
Appendix E

Conducted RF Output Power Table

Measurement of RF conducted Power
1 Conducted Power of Main Antenna
2 Conducted Power of WiFi and BT
2.1 Conducted Power of WiFi
2.2 Conducted Power of BT

Measurement of RF conducted Power

1 Conducted Power of Main Antenna

1.1 Conducted Power of WCDMA

WCDMA Band II					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	24.49	24.46	24.35	25.00
	12.2kbps AMR	24.41	24.45	24.32	25.00
HSDPA	Subtest 1	22.89	23.21	23.38	23.50
	Subtest 2	22.80	23.21	23.31	23.50
	Subtest 3	22.31	22.72	22.75	23.00
	Subtest 4	22.41	22.72	22.65	23.00
HSUPA	Subtest 1	23.35	23.42	23.39	23.50
	Subtest 2	21.39	21.44	21.43	21.50
	Subtest 3	22.38	22.47	22.39	22.50
	Subtest 4	21.38	21.42	21.39	21.50
	Subtest 5	23.33	23.38	23.41	23.50
DC-HSDPA	Subtest 1	22.85	23.21	23.33	23.50
	Subtest 2	22.80	23.21	23.29	23.50
	Subtest 3	22.30	22.68	22.75	23.00
	Subtest 4	22.38	22.70	22.66	23.00
HSPA+	16QAM	22.44	22.62	22.55	23.00

WCDMA Band IV					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	24.38	24.45	24.48	25.00
	12.2kbps AMR	24.31	24.41	24.45	25.00
HSDPA	Subtest 1	23.36	23.37	23.38	23.50
	Subtest 2	23.29	23.25	23.31	23.50
	Subtest 3	22.81	22.75	22.69	23.00
	Subtest 4	22.78	22.69	22.71	23.00
HSUPA	Subtest 1	23.29	23.27	23.21	23.50
	Subtest 2	21.33	21.32	21.35	21.50
	Subtest 3	22.34	22.28	22.29	22.50
	Subtest 4	21.25	21.20	21.21	21.50
	Subtest 5	23.36	23.30	23.25	23.50
DC-HSDPA	Subtest 1	23.31	23.35	23.36	23.50
	Subtest 2	23.22	23.24	23.31	23.50
	Subtest 3	22.81	22.71	22.67	23.00
	Subtest 4	22.75	22.65	22.70	23.00
HSPA+	16QAM	22.66	22.61	22.59	23.00

WCDMA Band V					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.62	23.67	23.68	24.50
	12.2kbps AMR	23.59	23.62	23.53	24.50
HSDPA	Subtest 1	23.18	23.16	23.13	23.50
	Subtest 2	23.16	23.16	23.11	23.50
	Subtest 3	22.67	22.69	22.62	23.00
	Subtest 4	22.67	22.65	22.62	23.00
HSUPA	Subtest 1	23.20	23.19	23.15	23.50
	Subtest 2	21.17	21.17	21.13	21.50
	Subtest 3	22.19	22.20	22.17	22.50
	Subtest 4	21.19	21.15	21.17	21.50
	Subtest 5	23.20	23.20	23.20	23.50
DC-HSDPA	Subtest 1	23.15	23.13	23.13	23.50
	Subtest 2	23.07	23.11	23.08	23.50
	Subtest 3	22.61	22.65	22.60	23.00
	Subtest 4	22.54	22.59	22.60	23.00
HSPA+	16QAM	22.51	22.56	22.49	23.00

Table 1 : Conducted Power of WCDMA

1.2 Conducted Power of LTE

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	23.92	23.97	23.98	24.50
		1	2	24.08	24.09	24.06	24.50
		1	5	23.91	24.00	23.89	24.50
		3	0	24.14	24.07	24.06	24.50
		3	2	24.14	24.13	24.14	24.50
		3	3	24.17	24.05	24.14	24.50
	16QAM	6	0	23.03	23.09	23.14	23.50
		1	0	23.35	23.33	23.11	23.50
		1	2	23.07	23.33	23.50	23.50
		1	5	23.34	22.98	23.07	23.50
		3	0	23.15	23.10	23.10	23.50
		3	2	23.11	23.04	23.13	23.50
		3	3	23.12	22.96	23.16	23.50
		6	0	22.22	22.32	22.11	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	18615	18900	19185	24.50
		1	7	23.98	23.94	23.94	24.50
		1	14	24.05	24.16	24.08	24.50
		1	14	23.97	24.00	23.97	24.50
		8	0	22.97	23.02	22.94	23.50
		8	4	23.04	23.03	22.97	23.50
		8	7	22.91	22.99	23.05	23.50
		15	0	22.94	23.03	22.99	23.50

		1	0	23.34	23.19	23.05	23.50
		1	7	23.26	23.00	23.49	23.50
		1	14	23.07	23.36	23.14	23.50
	16QAM	8	0	22.08	22.06	22.11	22.50
		8	4	22.04	22.22	22.16	22.50
		8	7	22.25	22.04	22.16	22.50
		15	0	21.94	21.91	22.00	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	24.00	23.98	23.90	24.50
		1	13	24.01	24.01	24.04	24.50
		1	24	23.81	23.86	23.97	24.50
		12	0	22.95	22.94	23.01	23.50
		12	6	23.04	23.01	23.13	23.50
		12	13	23.05	23.02	22.90	23.50
	16QAM	25	0	22.94	23.09	22.99	23.50
		1	0	22.92	22.78	23.25	23.50
		1	13	23.46	23.43	23.33	23.50
		1	24	23.31	22.95	23.00	23.50
		12	0	21.93	21.92	22.08	22.50
		12	6	21.97	21.97	22.05	22.50
		12	13	21.99	22.05	21.87	22.50
		25	0	22.01	22.14	21.99	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.99	23.99	23.98	24.50
		1	25	23.93	24.03	24.25	24.50
		1	49	23.87	24.00	24.10	24.50
		25	0	22.98	22.97	22.96	23.50
		25	13	23.04	23.11	23.03	23.50
		25	25	23.07	23.17	23.01	23.50
		50	0	22.93	23.04	22.96	23.50
	16QAM	1	0	23.43	23.01	23.21	23.50
		1	25	23.50	23.50	23.41	23.50
		1	49	23.09	23.06	23.13	23.50
		25	0	22.03	21.88	21.97	22.50
		25	13	22.09	22.18	22.01	22.50
		25	25	22.02	22.16	22.02	22.50
		50	0	22.03	22.10	22.04	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.93	23.97	24.01	24.50
		1	38	23.97	24.06	23.96	24.50
		1	74	23.95	23.91	23.91	24.50
		36	0	23.13	22.99	23.00	23.50
		36	18	23.04	23.12	23.03	23.50
		36	39	22.95	23.13	23.14	23.50
		75	0	22.98	23.01	23.09	23.50
	16QAM	1	0	22.86	23.38	23.44	23.50
		1	38	23.14	23.09	23.27	23.50
		1	74	23.06	23.12	23.15	23.50
		36	0	22.03	22.00	22.09	22.50
		36	18	22.11	22.11	22.14	22.50
		36	39	22.05	22.01	22.12	22.50

Bandwidth	Modulation	75	0	22.03	22.08	22.06	22.50
		RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	23.94	24.03	23.79	24.50
		1	50	23.98	24.08	24.00	24.50
		1	99	23.78	23.82	23.93	24.50
		50	0	23.08	22.91	23.23	23.50
		50	25	23.11	23.02	23.06	23.50
		50	50	22.91	23.00	23.20	23.50
	16QAM	100	0	23.03	22.98	23.20	23.50
		1	0	23.38	23.04	23.14	23.50
		1	50	23.26	23.09	23.20	23.50
		1	99	23.14	22.75	23.26	23.50
		50	0	22.16	21.90	22.25	22.50
		50	25	22.07	22.01	22.18	22.50
		50	50	22.05	22.11	22.25	22.50
		100	0	22.01	21.90	22.20	22.50

LTE Band 4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.95	24.01	24.08	24.50
		1	2	24.07	24.00	24.26	24.50
		1	5	24.00	23.88	24.04	24.50
		3	0	24.16	24.06	24.32	24.50
		3	2	24.11	24.01	24.22	24.50
		3	3	23.98	24.09	24.25	24.50
	16QAM	6	0	23.15	23.10	23.27	23.50
		1	0	23.12	22.99	23.26	23.50
		1	2	23.21	23.20	23.36	23.50
		1	5	23.31	23.04	23.18	23.50
		3	0	22.89	22.96	23.25	23.50
		3	2	23.10	23.07	23.22	23.50
		3	3	23.00	22.97	23.22	23.50
		6	0	22.05	22.29	22.42	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.84	23.85	24.06	24.50
		1	7	23.98	24.03	24.27	24.50
		1	14	23.90	23.93	24.04	24.50
		8	0	22.99	22.97	23.07	23.50
		8	4	22.97	22.94	23.19	23.50
		8	7	22.89	22.98	23.15	23.50
		15	0	22.98	22.94	23.22	23.50
	16QAM	1	0	22.96	23.30	23.13	23.50
		1	7	23.02	23.44	23.41	23.50
		1	14	22.94	23.02	23.37	23.50
		8	0	21.94	21.97	22.20	22.50
		8	4	22.03	22.05	22.19	22.50
		8	7	22.01	21.91	22.27	22.50

Bandwidth	Modulation	RB size	RB offset	15	0	21.83	21.99	22.24	22.50	
				Channel	Channel	Channel	Tune up			
5MHz	QPSK	1	0	19975	20175	20375	23.90	23.83	23.86	24.50
		1	13	23.93	24.03	24.02	23.93	24.03	24.02	24.50
		1	24	23.84	23.76	24.12	23.84	23.76	24.12	24.50
		12	0	22.96	23.02	23.17	22.96	23.02	23.17	23.50
		12	6	23.04	23.08	23.23	23.04	23.08	23.23	23.50
		12	13	22.95	22.86	23.12	22.95	22.86	23.12	23.50
	16QAM	25	0	23.03	23.06	23.17	23.03	23.06	23.17	23.50
		1	0	22.86	23.10	23.05	22.86	23.10	23.05	23.50
		1	13	22.99	23.14	23.11	22.99	23.14	23.11	23.50
		1	24	22.88	23.07	23.31	22.88	23.07	23.31	23.50
		12	0	21.94	22.00	22.12	21.94	22.00	22.12	22.50
		12	6	21.87	21.87	22.20	21.87	21.87	22.20	22.50
		12	13	22.01	21.92	22.13	22.01	21.92	22.13	22.50
		25	0	22.03	21.91	22.06	22.03	21.91	22.06	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up			
				20000	20175	20350				
10MHz	QPSK	1	0	23.86	24.04	24.07	23.86	24.04	24.07	24.50
		1	25	24.04	24.02	24.05	24.04	24.02	24.05	24.50
		1	49	23.96	23.89	24.07	23.96	23.89	24.07	24.50
		25	0	22.94	23.13	23.24	22.94	23.13	23.24	23.50
		25	13	22.86	23.05	23.12	22.86	23.05	23.12	23.50
		25	25	23.04	22.93	23.28	23.04	22.93	23.28	23.50
	16QAM	50	0	23.05	23.07	23.29	23.05	23.07	23.29	23.50
		1	0	23.12	23.18	23.42	23.12	23.18	23.42	23.50
		1	25	23.14	23.14	23.44	23.14	23.14	23.44	23.50
		1	49	23.00	23.05	23.14	23.00	23.05	23.14	23.50
		25	0	21.93	22.09	22.36	21.93	22.09	22.36	22.50
		25	13	22.02	22.11	22.16	22.02	22.11	22.16	22.50
		25	25	22.05	21.89	22.18	22.05	21.89	22.18	22.50
		50	0	22.03	22.01	22.14	22.03	22.01	22.14	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up			
				20025	20175	20325				
15MHz	QPSK	1	0	23.90	23.83	24.00	23.90	23.83	24.00	24.50
		1	38	23.92	23.89	24.06	23.92	23.89	24.06	24.50
		1	74	23.88	23.88	23.98	23.88	23.88	23.98	24.50
		36	0	22.93	23.00	23.15	22.93	23.00	23.15	23.50
		36	18	23.03	23.09	23.21	23.03	23.09	23.21	23.50
		36	39	23.09	22.90	23.07	23.09	22.90	23.07	23.50
		75	0	22.92	23.07	23.08	22.92	23.07	23.08	23.50
	16QAM	1	0	23.12	23.24	23.40	23.12	23.24	23.40	23.50
		1	38	23.18	23.30	23.45	23.18	23.30	23.45	23.50
		1	74	23.16	23.19	23.17	23.16	23.19	23.17	23.50
		36	0	21.99	21.96	22.22	21.99	21.96	22.22	22.50
		36	18	22.02	21.93	22.09	22.02	21.93	22.09	22.50
		36	39	22.04	21.95	22.08	22.04	21.95	22.08	22.50
		75	0	21.98	21.93	22.14	21.98	21.93	22.14	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up			
				20050	20175	20300				
20MHz	QPSK	1	0	23.89	23.93	23.99	23.89	23.93	23.99	24.50
		1	50	23.94	23.99	24.11	23.94	23.99	24.11	24.50
		1	99	23.75	23.84	23.86	23.75	23.84	23.86	24.50

		50	0	22.86	22.97	23.39	23.50	
		50	25	23.02	23.08	23.33	23.50	
		50	50	23.08	22.81	22.97	23.50	
		100	0	22.87	23.04	23.23	23.50	
	16QAM		1	0	23.29	23.01	23.05	23.50
			1	50	23.33	23.15	23.02	23.50
			1	99	22.95	23.00	23.05	23.50
			50	0	21.78	22.07	22.24	22.50
			50	25	21.95	21.93	22.15	22.50
			50	50	21.92	21.82	22.08	22.50
			100	0	21.90	22.00	22.15	22.50

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	23.37	23.30	23.15	24.00	
		1	2	23.43	23.36	23.41	24.00	
		1	5	23.32	23.28	23.28	24.00	
		3	0	23.45	23.39	23.35	24.00	
		3	2	23.30	23.45	23.30	24.00	
		3	3	23.48	23.45	23.41	24.00	
	16QAM		6	0	22.39	22.48	22.35	23.00
			1	0	22.34	22.35	22.68	23.00
			1	2	22.87	22.71	22.87	23.00
			1	5	22.73	22.77	22.61	23.00
			3	0	22.27	22.30	22.37	23.00
			3	2	22.48	22.38	22.34	23.00
			3	3	22.35	22.32	22.39	23.00
			6	0	21.61	21.46	21.35	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20415	20525	20635		
3MHz	QPSK	1	0	23.43	23.28	23.37	24.00	
		1	7	23.59	23.68	23.46	24.00	
		1	14	23.40	23.43	23.34	24.00	
		8	0	22.40	22.41	22.29	23.00	
		8	4	22.49	22.52	22.43	23.00	
		8	7	22.40	22.37	22.47	23.00	
		15	0	22.37	22.42	22.36	23.00	
	16QAM		1	0	22.62	22.79	22.79	23.00
			1	7	22.77	22.94	23.00	23.00
			1	14	22.78	22.53	22.75	23.00
			8	0	21.49	21.52	21.38	22.00
			8	4	21.55	21.59	21.58	22.00
			8	7	21.48	21.45	21.40	22.00
			15	0	21.30	21.43	21.40	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				20425	20525	20625		
5MHz	QPSK	1	0	23.31	23.30	23.14	24.00	
		1	13	23.39	23.44	23.24	24.00	
		1	24	23.36	23.33	23.33	24.00	
		12	0	22.35	22.41	22.44	24.00	
		12	6	22.40	22.43	22.48	24.00	

	16QAM	12	13	22.47	22.41	22.31	24.00
		25	0	22.44	22.42	22.34	23.00
		1	0	22.43	22.66	22.59	23.00
		1	13	22.81	22.43	22.73	23.00
		1	24	22.43	22.14	22.15	23.00
		12	0	21.40	21.45	21.45	22.00
		12	6	21.57	21.43	21.46	22.00
		12	13	21.58	21.35	21.42	22.00
		25	0	21.57	21.38	21.39	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.39	23.44	23.29	24.00
		1	25	23.57	23.50	23.38	24.00
		1	49	23.30	23.38	23.38	24.00
		25	0	22.38	22.51	22.53	23.00
		25	13	22.45	22.48	22.42	23.00
		25	25	22.49	22.50	22.34	23.00
		50	0	22.46	22.54	22.42	23.00
	16QAM	1	0	22.57	22.40	22.37	23.00
		1	25	22.57	22.78	22.35	23.00
		1	49	22.28	22.50	22.31	23.00
		25	0	21.50	21.53	21.45	22.00
		25	13	21.53	21.55	21.38	22.00
		25	25	21.51	21.38	21.41	22.00
		50	0	21.47	21.37	21.45	22.00

LTE Band 12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.25	23.17	23.27	24.00
		1	2	23.47	23.48	23.36	24.00
		1	5	23.36	23.19	23.23	24.00
		3	0	23.38	23.41	23.34	24.00
		3	2	23.30	23.33	23.41	24.00
		3	3	23.52	23.35	23.33	24.00
		6	0	22.50	22.56	22.46	23.00
	16QAM	1	0	22.35	22.14	22.27	23.00
		1	2	22.76	22.84	22.79	23.00
		1	5	22.21	22.36	22.20	23.00
		3	0	22.40	22.18	22.30	23.00
		3	2	22.49	22.32	22.39	23.00
		3	3	22.37	22.12	22.20	23.00
		6	0	21.42	21.43	21.40	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.29	23.25	23.30	24.00
		1	7	23.38	23.29	23.37	24.00
		1	14	23.38	23.26	23.32	24.00
		8	0	22.27	22.26	22.42	23.00
		8	4	22.41	22.47	22.39	23.00
		8	7	22.40	22.36	22.40	23.00
		15	0	22.33	22.38	22.37	23.00

		1	0	22.29	22.69	22.36	23.00
		1	7	22.39	22.70	22.30	23.00
		1	14	22.21	22.71	22.56	23.00
	16QAM	8	0	21.47	21.45	21.52	22.00
		8	4	21.52	21.45	21.32	22.00
		8	7	21.56	21.42	21.30	22.00
		15	0	21.34	21.34	21.36	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.12	23.21	23.11	24.00
		1	13	23.26	23.27	23.36	24.00
		1	24	23.20	23.17	23.20	24.00
		12	0	22.35	22.25	22.41	24.00
		12	6	22.42	22.36	22.46	24.00
		12	13	22.48	22.29	22.32	24.00
	16QAM	25	0	22.44	22.42	22.42	23.00
		1	0	22.64	22.27	22.34	23.00
		1	13	22.65	22.39	22.60	23.00
		1	24	22.61	22.53	22.36	23.00
		12	0	21.32	21.26	21.36	22.00
		12	6	21.35	21.27	21.43	22.00
		12	13	21.38	21.25	21.40	22.00
		25	0	21.32	21.39	21.49	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.32	23.26	23.16	24.00
		1	25	23.33	23.35	23.27	24.00
		1	49	23.32	23.38	23.35	24.00
		25	0	22.31	22.36	22.39	23.00
		25	13	22.41	22.48	22.36	23.00
		25	25	22.56	22.49	22.40	23.00
	16QAM	50	0	22.53	22.34	22.48	23.00
		1	0	22.68	22.40	22.65	23.00
		1	25	22.82	22.52	22.63	23.00
		1	49	22.72	22.85	22.69	23.00
		25	0	21.33	21.27	21.28	22.00
		25	13	21.41	21.38	21.46	22.00
		25	25	21.47	21.41	21.26	22.00
		50	0	21.40	21.32	21.39	22.00

LTE Band 14				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	23.27	23.13	23.11	24.00
		1	13	23.34	23.27	23.25	24.00
		1	24	23.10	23.04	23.19	24.00
		12	0	22.30	22.37	22.46	23.00
		12	6	22.39	22.37	22.40	23.00
		12	13	22.32	22.28	22.31	23.00
	16QAM	25	0	22.35	22.29	22.31	23.00
		1	0	22.26	22.68	22.44	23.00
		1	13	22.71	22.48	22.48	23.00

		25	0	NA	22.15	NA	22.50
		25	13	NA	22.27	NA	22.50
		25	25	NA	22.33	NA	22.50
		50	0	NA	22.15	NA	22.50

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	24.14	24.27	24.17	25.00
		1	2	24.42	24.53	24.61	25.00
		1	5	24.16	24.25	24.42	25.00
		3	0	23.06	23.43	23.39	25.00
		3	1	23.29	23.42	23.44	25.00
		3	3	23.34	23.40	23.35	25.00
	16QAM	6	0	23.11	23.36	23.40	24.00
		1	0	23.29	23.60	23.12	24.00
		1	2	23.43	23.57	22.24	24.00
		1	5	23.16	23.65	22.41	24.00
		3	0	22.16	22.43	22.45	24.00
		3	1	22.26	22.34	22.30	24.00
		3	3	22.35	22.36	22.37	24.00
		6	0	22.10	22.44	22.44	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	24.16	24.31	24.24	25.00
		1	7	24.44	24.57	24.68	25.00
		1	14	24.18	24.29	24.49	25.00
		8	0	23.08	23.47	23.46	24.00
		8	4	22.31	23.46	23.51	24.00
		8	7	23.36	23.44	23.42	24.00
	16QAM	15	0	23.13	23.40	23.47	24.00
		1	0	23.31	23.64	23.91	24.00
		1	7	23.45	23.61	23.18	24.00
		1	14	23.18	23.69	22.30	24.00
		8	0	22.18	22.47	22.47	23.00
		8	4	22.28	22.38	22.51	23.00
		8	7	22.37	22.38	22.36	23.00
		15	0	22.12	22.46	22.43	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	24.10	24.25	24.19	25.00
		1	13	24.38	24.51	24.63	25.00
		1	24	24.12	24.23	24.44	25.00
		12	0	23.02	23.41	23.41	24.00
		12	6	22.25	23.40	23.46	24.00
		12	13	23.30	23.38	23.37	24.00
	16QAM	25	0	23.16	23.42	23.42	24.00
		1	0	23.34	23.66	23.86	24.00
		1	13	23.48	23.63	23.13	24.00
		1	24	23.21	23.71	22.25	24.00
		12	0	22.21	22.49	22.42	23.00
		12	6	22.31	22.40	22.46	23.00

Bandwidth	Modulation	RB size	RB offset	12	13	22.36	22.37	22.35	23.00
				25	0	22.11	22.45	22.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				132022	132322	132622			
10MHz	QPSK	1	0	24.18	24.32	24.26	25.00		
		1	25	24.46	24.54	24.68	25.00		
		1	49	24.20	24.26	24.49	25.00		
		25	0	23.10	23.44	23.46	24.00		
		25	13	22.23	23.38	23.51	24.00		
		25	25	23.28	23.36	23.42	24.00		
	16QAM	1	0	23.32	23.64	23.91	24.00		
		1	25	23.46	23.61	23.18	24.00		
		1	49	23.28	23.78	22.30	24.00		
		25	0	22.18	22.46	22.44	23.00		
		25	13	22.28	22.37	22.48	23.00		
		25	25	22.33	22.34	22.37	23.00		
		50	0	22.12	22.46	22.44	23.00		
		50	0	22.12	22.46	22.44	23.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				132047	132322	132597			
15MHz	QPSK	1	0	24.12	24.29	24.26	25.00		
		1	38	24.40	24.55	24.70	25.00		
		1	74	24.14	24.27	24.51	25.00		
		36	0	23.04	23.45	23.48	24.00		
		36	18	23.27	23.44	23.53	24.00		
		36	39	23.32	23.42	23.44	24.00		
		75	0	23.18	23.46	23.49	24.00		
	16QAM	1	0	23.36	23.70	23.61	24.00		
		1	38	23.50	23.67	23.92	24.00		
		1	74	23.23	23.75	23.19	24.00		
		36	0	22.23	22.53	22.34	23.00		
		36	18	22.33	22.44	22.48	23.00		
		36	39	22.38	22.39	22.52	23.00		
		75	0	22.13	22.47	22.41	23.00		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up		
				132072	132322	132572			
20MHz	QPSK	1	0	24.20	24.36	24.33	25.00		
		1	50	24.48	24.58	24.75	25.00		
		1	99	24.22	24.30	24.56	25.00		
		50	0	23.12	23.48	23.53	24.00		
		50	25	22.25	23.42	23.58	24.00		
		50	50	23.30	23.40	23.49	24.00		
		100	0	23.16	23.44	23.54	24.00		
	16QAM	1	0	23.34	23.68	23.66	24.00		
		1	50	23.48	23.65	23.97	24.00		
		1	99	23.30	23.82	23.24	24.00		
		50	0	22.20	22.50	22.36	23.00		
		50	25	22.30	22.41	22.50	23.00		
		50	50	22.35	22.36	22.54	23.00		
		100	0	22.14	22.48	22.43	23.00		

Table 2 : Conducted Power of LTE

2 Conducted Power of Downlink CA

2.1 Downlink LTE CA Conducted Power of Main Antenna

DL LTE CA Class	PCC							SCC1				Power(dBm)		
	LTE Band	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_2A-12A	Band 2	20M	QPSK	1880	18900	1	50	Band 12	10M	737.5	5095	24.03	24.08	24.50
CA_2A-12A	Band 12	10M	QPSK	707.5	23095	1	49	Band 2	20M	1960	900	23.29	23.38	24.00
CA_4A-12A	Band 4	20M	QPSK	1745	20300	1	50	Band 12	10M	737.5	5095	24.03	24.11	24.50
CA_4A-12A	Band 12	10M	QPSK	707.5	23095	1	49	Band 4	20M	2132.5	2175	23.29	23.38	24.00
CA_2A-5A	Band 5	10M	QPSK	829	20450	1	25	Band 2	20M	1960	900	23.46	23.57	24.00
CA_2A-5A	Band 2	20M	QPSK	1880	18900	1	50	Band 5	10M	881.5	2525	23.95	24.08	24.50
CA_4A-5A	Band 5	10M	QPSK	829	20450	1	25	Band 4	20M	2132.5	2175	23.43	23.57	24.00
CA_4A-5A	Band 4	20M	QPSK	1745	20300	1	50	Band 5	10M	881.5	2525	24.01	24.11	24.50
CA_5A-30A	Band 5	10M	QPSK	829	20450	1	25	Band 30	10M	2355	9820	23.49	23.57	24.00
CA_5A-30A	Band 30	10M	QPSK	2310	27710	1	0	Band 5	10M	881.5	2525	23.93	24.06	24.50
CA_12A-30A	Band 12	10M	QPSK	707.5	23095	1	49	Band 30	10M	2355	9820	23.31	23.42	24.00
CA_12A-30A	Band 30	10M	QPSK	2310	27710	1	0	Band 12	10M	737.5	5095	23.97	24.06	24.50
CA_14-30A	Band 30	10M	QPSK	2310	27710	1	0	Band 14	10M	763	5330	23.05	24.06	24.50
CA_14-30A	Band 14	10M	QPSK	793	23330	1	25	Band 30	10M	2355	9820	23.36	23.42	24.00
CA_66A-66A	Band 66	20M	QPSK	1770	132572	1	50	Band 66	20M	2120	66536	24.64	24.75	25.00
CA_66B	Band 66	15M	QPSK	1772.5	132597	1	38	Band 66	5M	2163.2	66968	24.61	24.70	25.00
CA_66C	Band 66	20M	QPSK	1770	132572	1	50	Band 66	10M	2184.4	67180	24.66	24.75	25.00

Table 3 : Conducted Power of DL CA

3 Conducted Power of WiFi and BT

3.1 Conducted Power of WiFi

Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	SAR Test
802.11b	1	2412	1	15.68	16.50	Yes
	6	2437		15.72	16.50	Yes
	11	2462		15.47	16.50	Yes
802.11g	1	2412	6	17.35	18.00	Yes
	6	2437		17.42	18.00	Yes
	11	2462		17.03	18.00	Yes
802.11n HT20	1	2412	6.5	15.69	17.00	NO
	6	2437		15.95	17.00	NO
	11	2462		15.56	17.00	NO
802.11 HT40	1	2422	6.5	15.66	17.00	NO
	6	2437		15.58	17.00	NO
	11	2452		15.46	17.00	NO

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	SAR Test
802.11a	U-NII-1	36	5180	6	17.54	18.00	NO
		40	5200		17.51	18.00	NO
		44	5220		17.62	18.00	Yes
		48	5240		17.50	18.00	NO
	U-NII-2A	52	5260		17.48	18.00	NO
		56	5280		17.62	18.00	Yes
		60	5300		17.47	18.00	NO
		64	5320		17.37	18.00	NO
	U-NII-3	149	5745		17.23	18.00	NO
		153	5765		17.35	18.00	NO
		157	5785		17.45	18.00	Yes
		161	5805		17.41	18.00	NO
		165	5825		17.38	18.00	NO
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	SAR Test
802.11n-HT20	U-NII-1	36	5180	MCS0	16.36	17.00	NO
		40	5200		16.52	17.00	NO
		44	5220		16.48	17.00	NO
		48	5240		16.45	17.00	NO
	U-NII-2A	52	5260		16.47	17.00	NO
		56	5280		16.31	17.00	NO
		60	5300		16.42	17.00	NO
		64	5320		16.27	17.00	NO
	U-NII-3	149	5745		16.19	17.00	NO
		153	5765		16.35	17.00	NO
		157	5785		16.28	17.00	NO
		161	5805		16.45	17.00	NO
		165	5825		16.33	17.00	NO
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	SAR Test
802.11n-HT40	U-NII-1	38	5190	MCS0	16.28	17.00	NO
		46	5230		16.35	17.00	NO

	U-NII-2A	54	5270		16.44	17.00	NO		
		62	5310		16.35	17.00	NO		
	U-NII-3	151	5755		16.18	17.00	NO		
		159	5795		16.14	17.00	NO		
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	SAR Test		
802.11ac-20	U-NII-1	36	5180	MCS0	14.38	15.00	NO		
		40	5200		14.31	15.00	NO		
		44	5220		14.30	15.00	NO		
		48	5240		14.22	15.00	NO		
	U-NII-2A	52	5260		14.14	15.00	NO		
		56	5280		14.22	15.00	NO		
		60	5300		14.28	15.00	NO		
		64	5320		14.16	15.00	NO		
	U-NII-3	149	5745		14.17	15.00	NO		
		153	5765		14.12	15.00	NO		
		157	5785		14.13	15.00	NO		
		161	5805		14.09	15.00	NO		
			165		5825	14.11	15.00	NO	
	5GHz	mode	Channel		Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	SAR Test
	802.11ac-40	U-NII-1	38		5190	MCS0	14.88	15.00	NO
			46		5230		14.86	15.00	NO
U-NII-2A		54	5270	14.80	15.00		NO		
		62	5310	14.67	15.00		NO		
U-NII-3		151	5755	14.51	15.00		NO		
		159	5795	14.68	15.00		NO		
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	SAR Test		
802.11ac 80M	U-NII-1	42	5210	MCS0	14.45	15.00	NO		
	U-NII-2A	58	5290		14.42	15.00	NO		
	U-NII-3	155	5775		14.28	15.00	NO		

Table 4 : Conducted Power of WiFi

3.2 Conducted Power of BT

BT		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	9.13	8.65	8.85	10.00
	$\pi/4$ DQPSK	6.18	5.52	6.31	7.00
	8DPSK	6.20	5.58	6.35	7.00
Band	Channel	0	19	39	Tune up
BLE-1M	GFSK	-3.17	-2.50	-3.65	-2.00
BLE-2M	GFSK	-4.85	-4.18	-5.37	-4.00

Table 5 : Conducted Power of BT