

Appendix E

Conducted RF Output Power Table

Measurement of RF Conducted Power
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Measurement of RF Conducted Power

1 Conducted Power of Main Antenna(Ant1)

1.1 Conducted Power of GSM

GSM 850										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	32.85	32.94	32.91	34.00	-9.19	23.66	23.75	23.72	24.81
GPRS/EGPRS (GMSK)	1 TX Slot	32.88	32.92	32.93	34.00	-9.19	23.69	23.73	23.74	24.81
	2 TX Slots	29.67	29.76	29.70	31.00	-6.18	23.49	23.58	23.52	24.82
	3 TX Slots	27.73	27.78	27.76	29.20	-4.42	23.31	23.36	23.34	24.78
	4 TX Slots	26.14	26.26	26.16	28.00	-3.17	22.97	23.09	22.99	24.83
EGPRS(8PSK)	1 TX Slot	26.93	26.88	27.05	28.50	-9.19	17.74	17.69	17.86	19.31
	2 TX Slots	23.67	23.64	23.66	25.50	-6.18	17.49	17.46	17.48	19.32
	3 TX Slots	21.73	21.74	21.79	23.70	-4.42	17.31	17.32	17.37	19.28
	4 TX Slots	20.64	20.51	20.53	22.50	-3.17	17.47	17.34	17.36	19.33

1.2 Conducted Power of WCDMA

WCDMA Band V Full power					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.92	23.92	24.06	25.50
	12.2kbps AMR	23.90	23.89	24.01	25.50
HSDPA	Subtest 1	23.19	23.16	23.16	24.50
	Subtest 2	23.18	23.17	23.14	24.50
	Subtest 3	22.66	22.74	22.64	23.50
	Subtest 4	22.66	22.72	22.60	23.50
HSUPA	Subtest 1	21.12	21.17	21.07	22.50
	Subtest 2	21.18	21.19	21.00	22.50
	Subtest 3	22.18	22.16	22.10	23.50
	Subtest 4	20.60	20.69	20.54	21.50
	Subtest 5	22.18	22.12	22.06	22.50

WCDMA Band V Sensor on&Hotspot on					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.97	23.13	23.11	24.50
	12.2kbps AMR	22.86	23.05	22.98	24.50
HSDPA	Subtest 1	22.15	22.18	22.05	23.50
	Subtest 2	22.13	22.13	22.10	23.50
	Subtest 3	21.66	21.67	21.64	22.50
	Subtest 4	21.61	21.64	21.59	22.50
HSUPA	Subtest 1	20.08	20.10	20.06	21.50
	Subtest 2	20.13	20.09	20.08	21.50
	Subtest 3	21.17	21.18	21.08	22.50
	Subtest 4	19.64	19.69	19.52	20.50
	Subtest 5	21.06	21.20	21.07	21.50

1.3 Conducted Power of LTE

LTE Band 5 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	24.06	24.00	23.85	25.50
		1	2	23.77	23.85	23.75	25.50
		1	5	23.81	24.10	23.76	25.50
		3	0	23.88	23.98	23.95	25.50
		3	2	23.82	23.89	23.95	25.50
		3	3	23.91	23.85	24.00	25.50
		6	0	22.80	22.85	22.88	24.50
	16QAM	1	0	23.01	23.19	22.95	24.50
		1	2	22.95	23.46	23.38	24.50
		1	5	22.94	22.77	23.31	24.50
		3	0	22.96	22.99	22.94	24.50
		3	2	22.74	22.98	22.88	24.50
		3	3	22.77	22.85	22.86	24.50
		6	0	21.87	22.04	21.82	23.50
	64QAM	1	0	21.95	21.90	21.83	23.50
		1	2	21.70	21.74	21.63	23.50
		1	5	21.78	21.98	21.72	23.50
		3	0	21.84	21.94	21.89	23.50
		3	2	21.81	21.87	21.86	23.50
		3	3	21.90	21.84	21.99	23.50
		6	0	20.75	20.82	20.77	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.75	23.87	23.82	25.50
		1	7	23.84	23.92	23.79	25.50
		1	14	23.82	23.9	23.87	25.50
		8	0	22.84	22.82	22.88	24.50
		8	4	22.83	22.88	22.86	24.50
		8	7	22.82	22.89	22.91	24.50
		15	0	22.83	22.92	22.88	24.50
	16QAM	1	0	22.95	23.13	22.84	24.50
		1	7	23.11	23.48	22.75	24.50
		1	14	22.69	23.32	23.48	24.50
		8	0	21.87	21.98	21.88	23.50
		8	4	21.92	22.05	22.02	23.50
		8	7	21.86	21.89	21.89	23.50
		15	0	21.85	21.92	22.01	23.50
	64QAM	1	0	21.70	21.85	21.81	23.50
		1	7	21.80	21.82	21.67	23.50
		1	14	21.73	21.82	21.86	23.50
		8	0	20.79	20.76	20.78	22.50
		8	4	20.80	20.87	20.81	22.50
		8	7	20.78	20.88	20.79	22.50
		15	0	20.76	20.80	20.82	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.85	23.99	23.88	25.50

		1	13	23.82	23.83	23.79	25.50
		1	24	24.09	23.84	23.95	25.50
		12	0	22.9	22.93	22.96	24.50
		12	6	22.88	22.94	22.91	24.50
		12	13	22.86	22.88	22.87	24.50
		25	0	22.8	22.94	22.93	24.50
	16QAM	1	0	22.74	23.01	23.27	24.50
		1	13	23.22	23.06	22.71	24.50
		1	24	23.18	23.4	23.48	24.50
		12	0	21.89	21.83	21.95	23.50
		12	6	21.88	21.8	21.97	23.50
		12	13	21.77	21.78	21.84	23.50
	64QAM	25	0	21.85	21.88	21.86	23.50
		1	0	21.79	21.92	21.80	23.50
		1	13	21.71	21.74	21.69	23.50
		1	24	22.00	21.73	21.85	23.50
		12	0	20.84	20.92	20.94	22.50
		12	6	20.76	20.85	20.80	22.50
		12	13	20.75	20.80	20.82	22.50
		25	0	20.78	20.91	20.89	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.76	24.14	23.91	25.50
		1	25	23.87	24.14	24.02	25.50
		1	49	23.99	23.95	23.92	25.50
		25	0	22.95	22.96	22.88	24.50
		25	13	22.88	22.95	22.89	24.50
		25	25	22.92	22.95	22.90	24.50
	16QAM	50	0	22.86	22.96	22.93	24.50
		1	0	23.42	23.40	23.13	24.50
		1	25	23.14	23.46	22.81	24.50
		1	49	23.27	22.79	23.45	24.50
		25	0	21.94	21.84	21.91	23.50
		25	13	21.96	21.98	21.93	23.50
	64QAM	25	25	21.89	21.90	21.94	23.50
		50	0	21.87	21.99	21.91	23.50
		1	0	21.66	22.09	21.90	23.50
		1	25	21.80	22.04	21.93	23.50
		1	49	21.94	21.85	21.86	23.50
		25	0	20.88	20.91	20.85	22.50
		25	13	20.82	20.89	20.88	22.50
		25	25	20.85	20.94	20.83	22.50
		50	0	20.74	20.88	20.92	22.50

LTE Band 5 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.17	22.25	22.27	23.50
		1	2	22.38	22.16	22.11	23.50
		1	5	22.19	22.14	22.18	23.50
		3	0	22.18	22.15	22.11	23.50
		3	2	22.13	22.20	22.14	23.50

		3	3	22.13	22.16	22.19	23.50
		6	0	22.17	22.26	22.18	23.50
	16QAM	1	0	22.13	22.07	22.12	23.50
		1	2	22.09	22.07	22.17	23.50
		1	5	22.16	22.10	22.08	23.50
		3	0	22.24	22.22	22.22	23.50
		3	2	22.23	22.21	22.24	23.50
		3	3	22.24	22.24	22.21	23.50
		6	0	21.87	22.04	21.82	23.50
		6	0	21.87	22.04	21.82	23.50
	64QAM	1	0	21.95	21.90	21.83	23.50
		1	2	21.70	21.74	21.63	23.50
		1	5	21.78	21.98	21.72	23.50
		3	0	21.84	21.94	21.89	23.50
		3	2	21.81	21.87	21.86	23.50
		3	3	21.90	21.84	21.99	23.50
		6	0	20.75	20.82	20.77	22.50
		6	0	20.75	20.82	20.77	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20415	Channel 20525	Channel 20635	Tune up
3MHz	QPSK	1	0	22.33	22.26	22.27	23.50
		1	7	22.15	22.19	22.07	23.50
		1	14	22.27	22.29	22.16	23.50
		8	0	22.22	22.24	22.13	23.50
		8	4	22.22	22.16	22.17	23.50
		8	7	22.22	22.22	22.09	23.50
		15	0	22.25	22.34	22.13	23.50
	16QAM	1	0	22.19	22.11	22.13	23.50
		1	7	22.12	22.16	22.09	23.50
		1	14	22.16	22.17	22.14	23.50
		8	0	21.87	21.98	21.88	23.50
		8	4	21.92	22.05	22.02	23.50
		8	7	21.86	21.89	21.89	23.50
		15	0	21.85	21.92	22.01	23.50
	64QAM	1	0	21.70	21.85	21.81	23.50
		1	7	21.80	21.82	21.67	23.50
		1	14	21.73	21.82	21.86	23.50
		8	0	20.79	20.76	20.78	22.50
		8	4	20.80	20.87	20.81	22.50
		8	7	20.78	20.88	20.79	22.50
		15	0	20.76	20.80	20.82	22.50
		15	0	20.76	20.80	20.82	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20425	Channel 20525	Channel 20625	Tune up
5MHz	QPSK	1	0	22.15	22.16	22.17	23.50
		1	13	22.32	22.32	22.00	23.50
		1	24	22.40	22.40	22.19	23.50
		12	0	22.25	22.19	22.09	23.50
		12	6	22.27	22.16	22.10	23.50
		12	13	22.22	22.22	22.03	23.50
		25	0	22.32	22.33	22.28	23.50
	16QAM	1	0	22.17	22.18	22.17	23.50
		1	13	22.19	22.20	21.93	23.50
		1	24	22.16	22.15	22.13	23.50
		12	0	22.39	22.29	22.24	23.50
		12	6	22.02	22.27	22.26	23.50
		12	13	22.23	22.13	22.15	23.50
		12	13	22.23	22.13	22.15	23.50

		25	0	22.30	22.21	22.29	23.50
	64QAM	1	0	21.79	21.92	21.80	23.50
		1	13	21.71	21.74	21.69	23.50
		1	24	22.00	21.73	21.85	23.50
		12	0	20.84	20.92	20.94	22.50
		12	6	20.76	20.85	20.80	22.50
		12	13	20.75	20.80	20.82	22.50
		25	0	20.78	20.91	20.89	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	22.25	22.23	22.21	23.50
		1	25	22.22	22.40	22.08	23.50
		1	49	22.35	22.30	22.24	23.50
		25	0	22.22	22.22	22.19	23.50
		25	13	22.19	22.22	22.17	23.50
		25	25	22.22	22.22	22.10	23.50
		50	0	22.25	22.28	22.22	23.50
	16QAM	1	0	22.14	22.11	22.19	23.50
		1	25	22.10	22.19	22.00	23.50
		1	49	22.18	22.11	22.13	23.50
		25	0	21.94	21.84	21.91	23.50
		25	13	21.96	21.98	21.93	23.50
		25	25	21.89	21.90	21.94	23.50
		50	0	21.87	21.99	21.91	23.50
	64QAM	1	0	21.66	22.09	21.90	23.50
		1	25	21.80	22.04	21.93	23.50
		1	49	21.94	21.85	21.86	23.50
		25	0	20.88	20.91	20.85	22.50
		25	13	20.82	20.89	20.88	22.50
		25	25	20.85	20.94	20.83	22.50
		50	0	20.74	20.88	20.92	22.50

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	24	23.75	24.1	25.50
		1	2	23.95	23.72	23.79	25.50
		1	5	24	23.88	23.73	25.50
		3	0	24	23.89	23.86	25.50
		3	2	23.89	23.84	23.94	25.50
		3	3	23.98	23.87	23.91	25.50
		6	0	23	22.81	22.86	24.50
	16QAM	1	0	23.22	23.56	23.1	24.50
		1	2	22.91	23.31	23.06	24.50
		1	5	23.23	23	23.59	24.50
		3	0	22.75	22.99	22.71	24.50
		3	2	22.8	22.72	22.67	24.50
		3	3	22.87	22.69	22.86	24.50
		6	0	21.93	21.96	21.98	23.50
	64QAM	1	0	21.91	21.65	22.07	23.50
		1	2	21.85	21.66	21.70	23.50
		1	5	21.98	21.79	21.70	23.50

		3	0	21.97	21.80	21.83	23.50
		3	2	21.79	21.77	21.86	23.50
		3	3	21.97	21.75	21.86	23.50
		6	0	20.96	20.70	20.80	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.94	23.92	23.85	25.50
		1	7	23.88	23.87	23.81	25.50
		1	14	24	23.92	23.92	25.50
		8	0	22.82	22.78	22.95	24.50
		8	4	22.97	22.79	22.76	24.50
		8	7	22.87	22.86	22.87	24.50
		15	0	22.93	22.89	22.91	24.50
	16QAM	1	0	23.55	22.74	23.61	24.50
		1	7	23.53	23.17	23.61	24.50
		1	14	23.69	23.16	23.14	24.50
		8	0	22.01	21.82	22.04	23.50
		8	4	22.04	21.96	21.8	23.50
		8	7	22.09	21.89	21.9	23.50
		15	0	21.88	21.88	21.94	23.50
	64QAM	1	0	21.83	21.88	21.74	23.50
		1	7	21.85	21.85	21.73	23.50
		1	14	21.89	21.84	21.91	23.50
		8	0	20.72	20.69	20.91	22.50
		8	4	20.87	20.70	20.70	22.50
		8	7	20.86	20.75	20.82	22.50
		15	0	20.90	20.77	20.79	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.99	24.01	23.91	25.50
		1	13	24.03	23.98	23.83	25.50
		1	24	23.9	23.89	23.97	25.50
		12	0	22.9	22.96	22.88	24.50
		12	6	22.94	22.92	22.85	24.50
		12	13	22.98	22.83	22.83	24.50
		25	0	22.97	22.87	22.91	24.50
	16QAM	1	0	23.32	23.12	22.83	24.50
		1	13	23.62	22.7	22.78	24.50
		1	24	23.29	23.25	23.6	24.50
		12	0	21.94	21.9	21.83	23.50
		12	6	21.97	21.9	21.83	23.50
		12	13	21.96	21.79	21.81	23.50
		25	0	22.02	21.86	21.83	23.50
	64QAM	1	0	21.98	21.90	21.80	23.50
		1	13	22.01	21.92	21.82	23.50
		1	24	21.84	21.82	21.87	23.50
		12	0	20.84	20.91	20.83	22.50
		12	6	20.83	20.91	20.76	22.50
		12	13	20.90	20.78	20.74	22.50
		25	0	20.92	20.78	20.82	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	24.01	23.91	23.93	25.50
		1	25	23.95	24.09	23.91	25.50

		1	49	24.08	24.06	24.07	25.50
		25	0	22.79	22.99	22.98	24.50
		25	13	22.94	22.91	22.97	24.50
		25	25	22.87	22.88	22.95	24.50
		50	0	22.91	22.92	22.99	24.50
	16QAM	1	0	23.11	23.57	23.05	24.50
		1	25	23.59	23.59	23.47	24.50
		1	49	23.48	23.76	22.85	24.50
		25	0	21.87	21.9	21.98	23.50
		25	13	21.89	21.98	21.85	23.50
		25	25	21.75	21.79	22.01	23.50
		50	0	21.86	21.91	21.97	23.50
	64QAM	1	0	21.99	21.86	21.85	23.50
		1	25	21.94	21.98	21.82	23.50
		1	49	22.00	22.01	21.98	23.50
		25	0	20.68	20.94	20.90	22.50
		25	13	20.83	20.83	20.93	22.50
		25	25	20.78	20.86	20.85	22.50
		50	0	20.87	20.91	20.90	22.50

LTE Band 13				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	23.92	23.88	23.94	25.50
		1	13	23.88	23.86	23.7	25.50
		1	24	23.81	23.76	23.76	25.50
		12	0	22.79	22.78	22.79	24.50
		12	6	22.88	22.78	22.79	24.50
		12	13	22.83	22.74	22.72	24.50
		25	0	22.8	22.79	22.76	24.50
	16QAM	1	0	23.09	23.31	23.42	24.50
		1	13	23.3	22.91	23.16	24.50
		1	24	22.74	23.03	22.69	24.50
		12	0	21.73	21.83	21.76	23.50
		12	6	21.71	21.77	21.73	23.50
		12	13	21.72	21.69	21.69	23.50
		25	0	21.72	21.75	21.74	23.50
	64QAM	1	0	21.80	21.78	21.93	23.50
		1	13	21.77	21.79	21.66	23.50
		1	24	21.80	21.66	21.72	23.50
		12	0	20.67	20.74	20.78	22.50
		12	6	20.83	20.76	20.75	22.50
		12	13	20.79	20.69	20.66	22.50
		25	0	20.71	20.69	20.68	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23230	/	25.50
		1	25	/	23.85	/	25.50
		1	49	/	23.83	/	25.50
		25	0	/	22.77	/	24.50
		25	13	/	22.77	/	24.50
		25	25	/	22.76	/	24.50

	16QAM	50	0	/	22.78	/	24.50
		1	0	/	23.31	/	24.50
		1	25	/	23.01	/	24.50
		1	49	/	22.81	/	24.50
		25	0	/	21.78	/	23.50
		25	13	/	21.87	/	23.50
		25	25	/	21.86	/	23.50
		50	0	/	21.73	/	23.50
	64QAM	1	0	/	21.67	/	23.50
		1	25	/	21.77	/	23.50
		1	49	/	21.82	/	23.50
		25	0	/	20.76	/	22.50
		25	13	/	20.72	/	22.50
		25	25	/	20.69	/	22.50
		50	0	/	20.68	/	22.50

LTE Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	23.96	23.83	23.9	25.50
		1	13	23.91	23.91	23.92	25.50
		1	24	23.92	24.04	24.03	25.50
		12	0	22.92	22.92	22.87	24.50
		12	6	22.9	22.9	22.87	24.50
		12	13	22.83	22.88	22.81	24.50
		25	0	22.85	22.9	22.76	24.50
	16QAM	1	0	23.15	22.8	23.22	24.50
		1	13	23.53	23.24	22.91	24.50
		1	24	23.57	23.16	23.18	24.50
		12	0	21.87	21.89	21.9	23.50
		12	6	21.92	21.86	21.68	23.50
		12	13	21.72	21.87	21.78	23.50
		25	0	21.81	21.87	21.95	23.50
	64QAM	1	0	21.93	21.78	21.87	23.50
		1	13	21.82	21.87	21.91	23.50
		1	24	21.85	21.93	21.99	23.50
		12	0	20.83	20.90	20.80	22.50
		12	6	20.88	20.81	20.75	22.50
		12	13	20.78	20.82	20.76	22.50
		25	0	20.73	20.83	20.75	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	23.90	24.04	23.97	25.50
		1	25	23.96	24.05	24.00	25.50
		1	49	24.01	23.94	23.94	25.50
		25	0	22.90	22.99	22.98	24.50
		25	13	22.92	22.91	22.94	24.50
		25	25	22.93	22.99	22.96	24.50
		50	0	23.02	22.95	23.03	24.50
	16QAM	1	0	23.53	23.05	22.92	24.50
		1	25	23.18	23.19	23.66	24.50
		1	49	22.97	23.25	23.60	24.50

		25	0	21.87	21.99	21.88	23.50
		25	13	21.90	21.87	21.83	23.50
		25	25	21.90	21.85	21.96	23.50
		50	0	21.96	21.94	22.00	23.50
	64QAM	1	0	21.82	21.92	21.85	23.50
		1	25	21.90	21.97	21.89	23.50
		1	49	21.99	21.83	21.90	23.50
		25	0	20.83	20.89	20.88	22.50
		25	13	20.87	20.82	20.90	22.50
		25	25	20.91	20.92	20.88	22.50
		50	0	21.01	20.92	21.00	22.50

LTE Band 26				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	23.75	24.24	23.66	25.50
		1	2	24	23.86	23.86	25.50
		1	5	24.03	23.85	23.89	25.50
		3	0	23.97	23.96	23.72	25.50
		3	2	23.88	23.99	23.85	25.50
		3	3	23.89	23.82	23.96	25.50
		6	0	22.83	22.93	22.9	24.50
	16QAM	1	0	22.69	22.88	22.79	24.50
		1	2	23.28	23.14	23.56	24.50
		1	5	23.15	23.13	23.07	24.50
		3	0	22.81	22.92	22.81	24.50
		3	2	22.82	22.95	22.84	24.50
		3	3	22.93	22.92	22.65	24.50
		6	0	21.89	21.85	21.94	23.50
	64QAM	1	0	21.70	22.22	21.57	23.50
		1	2	21.91	21.82	21.85	23.50
		1	5	21.91	21.80	21.77	23.50
		3	0	21.90	21.95	21.70	23.50
		3	2	21.82	21.89	21.75	23.50
		3	3	21.83	21.71	21.87	23.50
		6	0	20.76	20.85	20.89	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.83	23.9	23.8	25.50
		1	7	23.92	23.84	23.82	25.50
		1	14	23.79	24.15	23.83	25.50
		8	0	22.86	22.82	22.85	24.50
		8	4	22.85	22.89	22.85	24.50
		8	7	22.85	22.95	22.9	24.50
		15	0	22.78	22.92	22.88	24.50
	16QAM	1	0	22.84	23.13	23.42	24.50
		1	7	23.1	23.13	23.38	24.50
		1	14	22.92	22.99	23.55	24.50
		8	0	21.94	21.96	21.92	23.50
		8	4	21.88	22.01	21.8	23.50
		8	7	21.9	21.98	21.94	23.50
		15	0	21.78	21.88	21.99	23.50

		1	0	21.77	21.79	21.77	23.50
		1	7	21.89	21.80	21.81	23.50
		1	14	21.75	22.11	21.71	23.50
		8	0	20.80	20.79	20.82	22.50
		8	4	20.75	20.81	20.77	22.50
		8	7	20.82	20.86	20.81	22.50
		15	0	20.76	20.90	20.81	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 26715	Channel 26865	Channel 27015	Tune up
5MHz	QPSK	1	0	23.87	23.87	23.95	25.50
		1	13	24.05	23.84	24	25.50
		1	24	23.95	23.92	23.94	25.50
		12	0	22.87	22.92	22.93	24.50
		12	6	22.89	22.95	22.87	24.50
		12	13	22.88	22.88	22.9	24.50
		25	0	22.92	22.93	22.93	24.50
	16QAM	1	0	23.01	23.39	23.14	24.50
		1	13	22.91	23.45	23.28	24.50
		1	24	23.35	23.2	23.36	24.50
		12	0	21.84	21.95	21.93	23.50
		12	6	21.8	21.79	21.88	23.50
		12	13	21.85	21.79	21.9	23.50
		25	0	21.98	21.92	21.88	23.50
	64QAM	1	0	21.77	21.83	21.86	23.50
		1	13	21.97	21.79	21.92	23.50
		1	24	21.88	21.84	21.87	23.50
		12	0	20.77	20.81	20.86	22.50
		12	6	20.86	20.93	20.83	22.50
		12	13	20.80	20.76	20.80	22.50
		25	0	20.83	20.84	20.88	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	24.05	23.9	23.84	25.50
		1	25	23.83	24.05	23.94	25.50
		1	49	23.97	23.92	24.03	25.50
		25	0	22.77	22.96	22.97	24.50
		25	13	22.88	22.96	22.92	24.50
		25	25	22.87	22.94	22.88	24.50
		50	0	22.88	22.99	22.91	24.50
	16QAM	1	0	22.68	22.74	23.07	24.50
		1	25	23.38	23.49	22.97	24.50
		1	49	22.78	23.22	23.04	24.50
		25	0	21.82	21.92	21.92	23.50
		25	13	21.93	21.9	21.86	23.50
		25	25	21.79	21.96	21.81	23.50
		50	0	21.85	21.9	21.93	23.50
	64QAM	1	0	22.03	21.80	21.78	23.50
		1	25	21.74	21.97	21.90	23.50
		1	49	21.92	21.85	21.91	23.50
		25	0	20.67	20.87	20.85	22.50
		25	13	20.83	20.87	20.87	22.50
		25	25	20.80	20.90	20.76	22.50
		50	0	20.87	20.97	20.85	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				26775	26865	26965	
15MHz	QPSK	1	0	24.07	24.05	24.10	25.50
		1	38	23.76	24.16	23.69	25.50
		1	74	23.86	24.08	23.94	25.50
		36	0	22.76	22.92	22.81	24.50
		36	18	22.86	22.83	22.80	24.50
		36	39	22.83	22.91	22.87	24.50
		75	0	22.83	22.97	22.82	24.50
	16QAM	1	0	22.67	23.23	22.73	24.50
		1	38	22.70	23.20	23.40	24.50
		1	74	23.36	22.99	23.16	24.50
		36	0	21.81	21.87	21.76	23.50
		36	18	21.79	21.90	21.85	23.50
		36	39	21.84	21.88	21.90	23.50
		75	0	21.81	21.93	21.78	23.50
	64QAM	1	0	22.03	21.95	21.99	23.50
		1	38	21.69	22.05	21.59	23.50
		1	74	21.75	22.04	21.87	23.50
		36	0	20.73	20.81	20.77	22.50
		36	18	20.78	20.81	20.69	22.50
		36	39	20.72	20.89	20.77	22.50
		75	0	20.79	20.96	20.76	22.50

2 Conducted Power of Main Antenna(Ant2)

2.1 Conducted Power of GSM

GSM 1900										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	29.92	29.93	29.82	31.00	-9.19	20.73	20.74	20.63	21.81
GPRS/EGPRS (GMSK)	1 TX Slot	29.97	29.95	29.87	31.00	-9.19	20.78	20.76	20.68	21.81
	2 TX Slots	26.77	26.73	26.66	28.00	-6.18	20.59	20.55	20.48	21.82
	3 TX Slots	24.78	24.74	24.66	26.20	-4.42	20.36	20.32	20.24	21.78
	4 TX Slots	24.33	24.36	24.24	25.00	-3.17	21.16	21.19	21.07	21.83
EGPRS(8PSK)	1 TX Slot	25.06	24.98	24.87	26.50	-9.19	15.87	15.79	15.68	17.31
	2 TX Slots	21.98	22.01	22.04	23.50	-6.18	15.8	15.83	15.86	17.32
	3 TX Slots	20.12	20.14	20.05	21.70	-4.42	15.7	15.72	15.63	17.28
	4 TX Slots	18.95	18.99	18.96	20.50	-3.17	15.78	15.82	15.79	17.33

2.2 Conducted Power of WCDMA

WCDMA Band II Full power					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.64	23.60	23.63	25.50
	12.2kbps AMR	23.61	23.53	23.57	25.50
HSDPA	Subtest 1	23.17	23.26	23.34	24.50
	Subtest 2	23.18	23.30	23.29	24.50
	Subtest 3	22.72	22.81	22.84	23.50
	Subtest 4	22.63	22.78	22.76	23.50
HSUPA	Subtest 1	21.13	21.25	21.31	22.50
	Subtest 2	21.13	21.23	21.26	22.50
	Subtest 3	22.19	22.28	22.33	23.50
	Subtest 4	20.83	20.93	20.80	21.50
	Subtest 5	22.09	22.26	22.30	22.50

WCDMA Band II Hotspot on&Sensor on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	21.13	20.96	21.20	22.50
	12.2kbps AMR	21.10	20.94	21.16	22.50
HSDPA	Subtest 1	20.26	20.35	20.43	21.50
	Subtest 2	20.29	20.40	20.43	21.50
	Subtest 3	19.79	19.92	19.92	20.50
	Subtest 4	19.77	19.88	19.93	20.50
HSUPA	Subtest 1	18.22	18.32	18.31	19.50
	Subtest 2	18.23	18.34	18.37	19.50
	Subtest 3	19.22	19.40	19.41	20.50
	Subtest 4	17.75	17.86	17.86	18.50
	Subtest 5	19.18	19.26	19.37	19.50



WCDMA Band IV Full power					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	23.77	23.81	23.76	25.50
	12.2kbps AMR	23.72	23.78	23.69	25.50
HSDPA	Subtest 1	23.05	23.14	23.24	24.50
	Subtest 2	23.03	23.18	23.18	24.50
	Subtest 3	22.57	22.66	22.69	23.50
	Subtest 4	22.51	22.64	22.63	23.50
HSUPA	Subtest 1	20.99	21.10	21.20	22.50
	Subtest 2	21.01	21.08	21.11	22.50
	Subtest 3	22.08	22.13	22.22	23.50
	Subtest 4	20.73	20.81	20.70	21.50
	Subtest 5	21.98	22.12	22.16	22.50

WCDMA Band IV Hotspot on&Sensor on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.63	21.61	21.61	23.50
	12.2kbps AMR	21.61	21.59	21.58	23.50
HSDPA	Subtest 1	21.11	21.24	21.29	22.50
	Subtest 2	21.17	21.27	21.28	22.50
	Subtest 3	20.64	20.77	20.78	21.50
	Subtest 4	20.62	20.78	20.78	21.50
HSUPA	Subtest 1	19.11	19.20	19.16	20.50
	Subtest 2	19.10	19.23	19.27	20.50
	Subtest 3	20.07	20.30	20.30	21.50
	Subtest 4	18.61	18.72	18.73	19.50
	Subtest 5	20.03	20.12	20.25	20.50

2.3 Conducted Power of LTE

LTE Band 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.85	23.79	23.86	25.50
		1	2	23.86	23.77	23.88	25.50
		1	5	23.67	23.97	23.77	25.50
		3	0	23.73	24	24.05	25.50
		3	2	23.9	23.75	24.09	25.50
		3	3	23.77	23.8	23.92	25.50
		6	0	22.87	22.83	22.94	24.50
	16QAM	1	0	22.83	22.95	22.99	24.50
		1	2	23	22.87	23.02	24.50
		1	5	23.24	22.88	23.23	24.50
		3	0	22.89	22.87	22.94	24.50
		3	2	22.8	22.71	22.98	24.50
		3	3	22.82	22.73	22.89	24.50
		6	0	21.96	21.92	22.04	23.50
	64QAM	1	0	21.83	21.69	21.76	23.50
		1	2	21.81	21.67	21.80	23.50
		1	5	21.60	21.92	21.76	23.50
		3	0	21.71	21.97	21.93	23.50
		3	2	21.78	21.67	22.01	23.50
		3	3	21.71	21.76	21.89	23.50
		6	0	20.81	20.76	20.89	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.79	23.74	23.77	25.50
		1	7	23.73	24.04	23.84	25.50
		1	14	23.84	23.94	23.78	25.50
		8	0	22.89	22.77	22.99	24.50
		8	4	22.9	22.83	22.97	24.50
		8	7	22.71	22.74	22.68	24.50
		15	0	22.79	22.74	22.94	24.50
	16QAM	1	0	23.11	22.86	22.91	24.50
		1	7	22.87	22.87	23.15	24.50
		1	14	23.2	23.05	23.21	24.50
		8	0	21.82	21.73	21.86	23.50
		8	4	21.87	21.78	21.78	23.50
		8	7	21.73	21.67	21.65	23.50
		15	0	21.75	21.86	21.94	23.50
	16QAM	1	0	21.75	21.73	21.70	23.50
		1	7	21.67	22.00	21.74	23.50
		1	14	21.76	21.86	21.74	23.50
		8	0	20.86	20.75	20.94	22.50
		8	4	20.86	20.74	20.92	22.50
		8	7	20.62	20.71	20.61	22.50
		15	0	20.72	20.69	20.90	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.73	23.78	23.8	25.50

		1	13	23.72	24.07	23.8	25.50
		1	24	23.8	23.77	23.81	25.50
		12	0	22.88	22.72	23.04	24.50
		12	6	22.74	22.75	22.91	24.50
		12	13	22.79	22.82	22.75	24.50
		25	0	22.87	22.83	22.82	24.50
	16QAM	1	0	23.03	22.93	22.99	24.50
		1	13	22.91	22.74	23.14	24.50
		1	24	23.27	23.09	23.21	24.50
		12	0	21.86	21.84	21.84	23.50
		12	6	21.91	21.84	21.88	23.50
		12	13	21.72	21.73	21.7	23.50
	16QAM	25	0	21.82	21.88	21.93	23.50
		1	0	21.67	21.73	21.76	23.50
		1	13	21.70	21.98	21.70	23.50
		1	24	21.76	21.74	21.74	23.50
		12	0	20.81	20.66	21.03	22.50
		12	6	20.65	20.70	20.79	22.50
		12	13	20.78	20.79	20.74	22.50
		25	0	20.75	20.81	20.70	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	23.87	23.7	23.77	25.50
		1	25	23.71	23.91	24	25.50
		1	49	23.85	23.75	23.78	25.50
		25	0	22.84	22.68	22.99	24.50
		25	13	22.87	22.81	23	24.50
		25	25	22.86	22.81	22.81	24.50
	16QAM	50	0	22.72	22.71	22.81	24.50
		1	0	23.14	22.91	23.01	24.50
		1	25	22.92	22.75	23.15	24.50
		1	49	23.32	23.11	23.18	24.50
		25	0	21.84	21.88	22.01	23.50
		25	13	21.84	21.77	21.86	23.50
	64QAM	25	25	21.85	21.75	21.74	23.50
		50	0	21.8	21.78	21.87	23.50
		1	0	21.75	21.66	21.74	23.50
		1	25	21.59	21.82	21.94	23.50
		1	49	21.82	21.73	21.69	23.50
		25	0	20.82	20.63	20.90	22.50
15MHz	QPSK	25	13	20.82	20.75	20.96	22.50
		25	25	20.78	20.72	20.74	22.50
		50	0	20.67	20.61	20.80	22.50
	16QAM	1	0	23.89	23.83	23.83	25.50
		1	38	23.82	24.08	23.83	25.50
		1	74	23.78	23.9	23.82	25.50
	QPSK	36	0	22.9	22.69	22.96	24.50
		36	18	22.93	22.86	22.83	24.50
		36	39	22.79	22.84	22.71	24.50
		75	0	22.89	22.79	22.94	24.50
	16QAM	1	0	23.08	22.84	22.84	24.50
		1	38	22.74	22.74	23.11	24.50

		1	74	23.31	23.01	23.21	24.50
		36	0	21.79	21.86	21.9	23.50
		36	18	21.81	21.75	21.94	23.50
		36	39	21.76	21.74	21.77	23.50
		75	0	21.9	21.84	21.8	23.50
	64QAM	1	0	21.85	21.78	21.74	23.50
		1	38	21.72	21.97	21.77	23.50
		1	74	21.70	21.88	21.74	23.50
		36	0	20.83	20.57	20.94	22.50
		36	18	20.87	20.85	20.74	22.50
		36	39	20.70	20.74	20.60	22.50
		75	0	20.79	20.70	20.91	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.79	23.75	23.76	25.50
		1	50	23.76	23.99	23.9	25.50
		1	99	23.75	23.84	23.84	25.50
		50	0	22.84	22.97	22.96	24.50
		50	25	22.84	22.82	22.91	24.50
		50	50	22.81	22.77	22.77	24.50
		100	0	22.82	22.75	22.91	24.50
	16QAM	1	0	23.07	22.88	22.91	24.50
		1	50	22.84	22.77	23.14	24.50
		1	99	23.26	23.1	23.23	24.50
		50	0	21.79	21.81	21.94	23.50
		50	25	21.83	21.79	21.87	23.50
		50	50	21.78	21.75	21.75	23.50
		100	0	21.81	21.8	21.86	23.50
	64QAM	1	0	21.71	21.68	21.72	23.50
		1	50	21.65	21.93	21.84	23.50
		1	99	21.67	21.82	21.76	23.50
		50	0	20.76	20.67	20.87	22.50
		50	25	20.80	20.73	20.89	22.50
		50	50	20.76	20.74	20.67	22.50
		100	0	20.76	20.71	20.81	22.50

LTE Band 2 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	21.51	21.6	21.78	22.50
		1	2	21.61	21.66	21.76	22.50
		1	5	21.51	21.66	21.78	22.50
		3	0	21.55	21.59	21.82	22.50
		3	2	21.56	21.62	21.83	22.50
		3	3	21.55	21.65	21.79	22.50
		6	0	21.57	21.5	21.82	22.50
	16QAM	1	0	21.73	21.76	22.06	22.50
		1	2	21.81	21.79	22.03	22.50
		1	5	21.67	21.74	21.95	22.50
		3	0	21.64	21.52	21.83	22.50
		3	2	21.63	21.53	21.85	22.50
		3	3	21.6	21.66	21.83	22.50

		6	0	21.64	21.64	22.05	22.50
	64QAM	1	0	21.44	21.52	21.75	22.50
		1	2	21.50	21.63	21.65	22.50
		1	5	21.49	21.59	21.71	22.50
		3	0	21.44	21.49	21.75	22.50
		3	2	21.45	21.59	21.78	22.50
		3	3	21.54	21.61	21.68	22.50
		6	0	21.56	21.49	21.78	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	21.61	21.81	21.55	22.50
		1	7	21.65	21.64	21.76	22.50
		1	14	21.89	21.6	21.82	22.50
		8	0	21.53	21.71	21.67	22.50
		8	4	21.55	21.51	21.63	22.50
		8	7	21.66	21.62	21.74	22.50
		15	0	21.64	21.84	21.62	22.50
	16QAM	1	0	21.89	21.72	21.71	22.50
		1	7	21.8	21.84	21.99	22.50
		1	14	21.62	21.56	21.93	22.50
		8	0	21.6	21.82	21.52	22.50
		8	4	21.88	21.67	21.67	22.50
		8	7	21.77	21.79	21.87	22.50
		15	0	21.61	21.5	21.84	22.50
	16QAM	1	0	21.56	21.79	21.48	22.50
		1	7	21.62	21.52	21.74	22.50
		1	14	21.84	21.59	21.74	22.50
		8	0	21.44	21.66	21.66	22.50
		8	4	21.46	21.50	21.62	22.50
		8	7	21.64	21.54	21.72	22.50
		15	0	21.63	21.72	21.54	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	21.66	21.6	21.55	22.50
		1	13	21.51	21.6	21.71	22.50
		1	24	21.8	21.83	21.67	22.50
		12	0	21.71	21.81	21.68	22.50
		12	6	21.64	21.61	21.69	22.50
		12	13	21.63	21.66	21.63	22.50
		25	0	21.66	21.87	21.61	22.50
	16QAM	1	0	21.76	21.84	21.74	22.50
		1	13	21.88	21.79	21.8	22.50
		1	24	21.73	21.56	22.02	22.50
		12	0	21.6	21.85	21.5	22.50
		12	6	21.75	21.73	21.62	22.50
		12	13	21.77	21.71	21.75	22.50
		25	0	21.72	21.45	22	22.50
	16QAM	1	0	21.64	21.50	21.53	22.50
		1	13	21.49	21.52	21.64	22.50
		1	24	21.72	21.72	21.61	22.50
		12	0	21.59	21.73	21.67	22.50
		12	6	21.54	21.52	21.57	22.50
		12	13	21.55	21.62	21.56	22.50
		25	0	21.63	21.83	21.56	22.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	21.61	21.62	21.77	22.50
		1	25	21.64	21.58	21.76	22.50
		1	49	21.7	21.7	21.68	22.50
		25	0	21.55	21.69	21.63	22.50
		25	13	21.77	21.6	21.64	22.50
		25	25	21.71	21.63	21.78	22.50
		50	0	21.52	21.85	21.56	22.50
	16QAM	1	0	21.73	21.68	21.62	22.50
		1	25	21.94	21.63	21.94	22.50
		1	49	21.65	21.52	22.08	22.50
		25	0	21.45	21.79	21.46	22.50
		25	13	21.7	21.66	21.56	22.50
		25	25	21.85	21.51	21.85	22.50
		50	0	21.61	21.51	22.07	22.50
	64QAM	1	0	21.59	21.55	21.66	22.50
		1	25	21.56	21.51	21.74	22.50
		1	49	21.66	21.69	21.63	22.50
		25	0	21.52	21.65	21.55	22.50
		25	13	21.66	21.58	21.60	22.50
		25	25	21.67	21.61	21.69	22.50
		50	0	21.46	21.76	21.46	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	21.67	21.6	21.74	22.50
		1	38	21.65	21.63	21.63	22.50
		1	74	21.64	21.8	21.88	22.50
		36	0	21.8	21.59	21.64	22.50
		36	18	21.64	21.67	21.54	22.50
		36	39	21.64	21.61	21.55	22.50
		75	0	21.51	21.74	21.82	22.50
	16QAM	1	0	21.79	21.64	21.66	22.50
		1	38	21.81	21.67	21.94	22.50
		1	74	21.86	21.57	21.98	22.50
		36	0	21.45	21.72	21.75	22.50
		36	18	21.74	21.62	21.54	22.50
		36	39	21.8	21.58	21.83	22.50
		75	0	21.81	21.5	21.89	22.50
	64QAM	1	0	21.56	21.53	21.69	22.50
		1	38	21.64	21.52	21.61	22.50
		1	74	21.61	21.75	21.83	22.50
		36	0	21.79	21.54	21.52	22.50
		36	18	21.53	21.59	21.53	22.50
		36	39	21.58	21.58	21.50	22.50
		75	0	21.43	21.65	21.75	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.55	21.71	21.68	22.50
		1	50	21.58	21.81	21.67	22.50
		1	99	21.74	21.71	21.75	22.50
		50	0	21.66	21.71	21.65	22.50
		50	25	21.62	21.52	21.66	22.50
		50	50	21.56	21.51	21.64	22.50

	16QAM	100	0	21.61	21.74	21.69	22.50
		1	0	21.79	21.77	21.69	22.50
		1	50	21.83	21.74	21.92	22.50
		1	99	21.72	21.65	22.05	22.50
		50	0	21.59	21.63	21.57	22.50
		50	25	21.76	21.75	21.64	22.50
		50	50	21.73	21.63	21.88	22.50
		100	0	21.64	21.56	21.98	22.50
	64QAM	1	0	21.53	21.69	21.57	22.50
		1	50	21.51	21.48	21.66	22.50
		1	99	21.68	21.61	21.73	22.50
		50	0	21.60	21.67	21.55	22.50
		50	25	21.59	21.51	21.58	22.50
		50	50	21.48	21.40	21.54	22.50
		100	0	21.53	21.67	21.58	22.50

LTE Band 2 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.57	19.61	19.73	20.50
		1	2	19.57	19.62	19.76	20.50
		1	5	19.56	19.64	19.72	20.50
		3	0	19.59	19.66	19.79	20.50
		3	2	19.58	19.63	19.79	20.50
		3	3	19.62	19.63	19.8	20.50
		6	0	19.63	19.68	19.82	20.50
	16QAM	1	0	19.86	19.85	19.97	20.50
		1	2	19.89	20.03	20.06	20.50
		1	5	19.89	19.95	20	20.50
		3	0	19.64	19.66	19.82	20.50
		3	2	19.65	19.7	19.82	20.50
		3	3	19.64	19.65	19.79	20.50
		6	0	19.73	19.75	19.86	20.50
	64QAM	1	0	19.49	19.59	19.63	20.50
		1	2	19.52	19.55	19.73	20.50
		1	5	19.55	19.55	19.62	20.50
		3	0	19.48	19.55	19.67	20.50
		3	2	19.47	19.53	19.67	20.50
		3	3	19.61	19.62	19.70	20.50
		6	0	19.59	19.64	19.77	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	19.52	19.58	19.56	20.50
		1	7	19.62	19.65	19.55	20.50
		1	14	19.55	19.53	19.69	20.50
		8	0	19.6	19.55	19.71	20.50
		8	4	19.62	19.67	19.68	20.50
		8	7	19.58	19.59	19.58	20.50
		15	0	19.62	19.62	19.72	20.50
	16QAM	1	0	19.83	19.92	19.84	20.50
		1	7	19.77	19.95	19.84	20.50
		1	14	19.84	19.77	19.99	20.50

		8	0	19.63	19.62	19.73	20.50
		8	4	19.6	19.66	19.7	20.50
		8	7	19.6	19.66	19.61	20.50
		15	0	19.65	19.54	19.69	20.50
	16QAM	1	0	19.42	19.47	19.47	20.50
		1	7	19.54	19.54	19.52	20.50
		1	14	19.45	19.46	19.61	20.50
		8	0	19.51	19.54	19.65	20.50
		8	4	19.53	19.58	19.56	20.50
		8	7	19.49	19.49	19.57	20.50
		15	0	19.58	19.58	19.62	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	19.54	19.57	19.57	20.50
		1	13	19.59	19.64	19.59	20.50
		1	24	19.54	19.54	19.69	20.50
		12	0	19.63	19.59	19.7	20.50
		12	6	19.67	19.67	19.69	20.50
		12	13	19.61	19.61	19.61	20.50
		25	0	19.63	19.6	19.71	20.50
	16QAM	1	0	19.83	19.96	19.88	20.50
		1	13	19.82	19.95	19.81	20.50
		1	24	19.85	19.76	19.96	20.50
		12	0	19.64	19.59	19.75	20.50
		12	6	19.64	19.61	19.73	20.50
		12	13	19.54	19.61	19.58	20.50
		25	0	19.61	19.57	19.72	20.50
	16QAM	1	0	19.51	19.50	19.53	20.50
		1	13	19.47	19.56	19.56	20.50
		1	24	19.43	19.51	19.63	20.50
		12	0	19.62	19.48	19.62	20.50
		12	6	19.57	19.62	19.66	20.50
		12	13	19.54	19.60	19.56	20.50
		25	0	19.57	19.50	19.68	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	19.6	19.68	19.64	20.50
		1	25	19.7	19.69	19.79	20.50
		1	49	19.59	19.66	19.78	20.50
		25	0	19.6	19.66	19.8	20.50
		25	13	19.63	19.69	19.77	20.50
		25	25	19.62	19.68	19.82	20.50
		50	0	19.64	19.67	19.84	20.50
	16QAM	1	0	19.89	20.03	19.89	20.50
		1	25	19.94	19.97	20.07	20.50
		1	49	19.89	19.91	20.06	20.50
		25	0	19.66	19.68	19.85	20.50
		25	13	19.66	19.7	19.78	20.50
		25	25	19.65	19.72	19.84	20.50
		50	0	19.64	19.66	19.87	20.50
	64QAM	1	0	19.52	19.62	19.52	20.50
		1	25	19.66	19.64	19.77	20.50
		1	49	19.57	19.61	19.77	20.50
		25	0	19.59	19.64	19.79	20.50

		25	13	19.58	19.65	19.74	20.50
		25	25	19.51	19.57	19.78	20.50
		50	0	19.63	19.61	19.78	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.56	19.6	19.59	20.50
		1	38	19.57	19.67	19.69	20.50
		1	74	19.52	19.58	19.75	20.50
		36	0	19.63	19.65	19.74	20.50
		36	18	19.6	19.63	19.73	20.50
		36	39	19.59	19.64	19.7	20.50
		75	0	19.61	19.68	19.77	20.50
	16QAM	1	0	19.84	19.93	19.93	20.50
		1	38	19.86	19.93	20.02	20.50
		1	74	19.88	19.87	20.01	20.50
		36	0	19.68	19.7	19.76	20.50
		36	18	19.64	19.67	19.76	20.50
		36	39	19.61	19.64	19.76	20.50
		75	0	19.63	19.66	19.79	20.50
	64QAM	1	0	19.46	19.50	19.53	20.50
		1	38	19.45	19.56	19.58	20.50
		1	74	19.48	19.50	19.72	20.50
		36	0	19.59	19.61	19.72	20.50
		36	18	19.50	19.59	19.62	20.50
		36	39	19.58	19.56	19.58	20.50
		75	0	19.51	19.57	19.72	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	19.6	19.62	19.61	20.50
		1	50	19.64	19.78	19.62	20.50
		1	99	19.56	19.56	19.75	20.50
		50	0	19.68	19.83	19.78	20.50
		50	25	19.69	19.69	19.7	20.50
		50	50	19.63	19.67	19.62	20.50
		100	0	19.65	19.64	19.74	20.50
	16QAM	1	0	19.84	19.98	19.9	20.50
		1	50	19.85	19.96	19.87	20.50
		1	99	19.9	19.83	20.04	20.50
		50	0	19.68	19.64	19.81	20.50
		50	25	19.68	19.68	19.75	20.50
		50	50	19.62	19.67	19.63	20.50
		100	0	19.66	19.61	19.74	20.50
	64QAM	1	0	19.52	19.61	19.55	20.50
		1	50	19.59	19.58	19.59	20.50
		1	99	19.49	19.51	19.74	20.50
		50	0	19.65	19.58	19.70	20.50
		50	25	19.60	19.57	19.59	20.50
		50	50	19.61	19.64	19.52	20.50
		100	0	19.64	19.53	19.65	20.50

LTE Band 4 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.74	24.05	24.01	25.50
		1	2	23.8	24.09	23.98	25.50
		1	5	23.86	24.04	24.01	25.50
		3	0	23.92	23.98	24.01	25.50
		3	2	23.89	24.01	24.01	25.50
		3	3	24.06	23.99	23.9	25.50
		6	0	22.96	22.96	23.02	24.50
	16QAM	1	0	22.87	23.29	23.05	24.50
		1	2	22.98	22.98	22.99	24.50
		1	5	22.88	23.29	22.97	24.50
		3	0	22.99	23.07	23.06	24.50
		3	2	22.93	22.93	22.95	24.50
		3	3	22.96	22.86	22.77	24.50
		6	0	22.02	21.97	21.92	23.50
	64QAM	1	0	21.62	22.04	21.89	23.50
		1	2	21.70	22.00	21.93	23.50
		1	5	21.79	22.02	21.91	23.50
		3	0	21.82	21.91	21.90	23.50
		3	2	21.81	21.96	21.99	23.50
		3	3	22.01	21.89	21.79	23.50
		6	0	20.84	20.94	20.92	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.74	23.78	23.84	25.50
		1	7	23.92	23.8	24.01	25.50
		1	14	23.73	23.89	24	25.50
		8	0	22.91	23.08	22.83	24.50
		8	4	23.03	23.03	22.87	24.50
		8	7	22.78	22.98	22.87	24.50
		15	0	22.83	22.91	22.87	24.50
	16QAM	1	0	23.32	23.23	23.28	24.50
		1	7	22.93	22.99	23.44	24.50
		1	14	22.97	22.64	22.93	24.50
		8	0	21.66	21.98	21.9	23.50
		8	4	21.77	21.81	21.89	23.50
		8	7	21.69	21.86	21.8	23.50
		15	0	21.68	21.86	21.82	23.50
	64QAM	1	0	21.62	21.76	21.73	23.50
		1	7	21.87	21.76	21.94	23.50
		1	14	21.62	21.78	21.92	23.50
		8	0	20.85	21.06	20.82	22.50
		8	4	20.97	20.99	20.76	22.50
		8	7	20.71	20.88	20.75	22.50
		15	0	20.76	20.90	20.83	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	QPSK	1	0	23.82	23.88	23.83	25.50
		1	13	23.85	23.98	23.86	25.50
		1	24	23.71	23.93	23.92	25.50
		12	0	22.88	22.97	22.8	24.50

		12	6	22.85	22.99	22.81	24.50
		12	13	22.83	22.84	23	24.50
		25	0	22.82	23.05	23.03	24.50
	16QAM	1	0	23.37	23.19	23.37	24.50
		1	13	22.86	22.82	23.48	24.50
		1	24	22.91	22.56	22.92	24.50
		12	0	21.67	22.11	21.87	23.50
		12	6	21.94	21.9	21.83	23.50
		12	13	21.85	21.97	21.92	23.50
		25	0	21.74	21.88	21.78	23.50
	64QAM	1	0	21.70	21.81	21.71	23.50
		1	13	21.82	21.94	21.76	23.50
		1	24	21.67	21.90	21.81	23.50
		12	0	20.82	20.89	20.68	22.50
		12	6	20.82	20.91	20.69	22.50
		12	13	20.81	20.75	20.91	22.50
		25	0	20.81	20.94	20.94	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	23.88	23.78	23.86	25.50
		1	25	23.81	23.99	24.01	25.50
		1	49	23.67	23.99	23.89	25.50
		25	0	22.73	22.9	22.72	24.50
		25	13	22.96	23.04	22.95	24.50
		25	25	22.67	22.9	22.92	24.50
		50	0	22.9	22.88	22.96	24.50
	16QAM	1	0	23.24	23.14	23.33	24.50
		1	25	22.98	22.91	23.54	24.50
		1	49	22.99	22.7	22.96	24.50
		25	0	21.83	22.06	21.92	23.50
		25	13	21.87	21.79	21.97	23.50
		25	25	21.66	21.94	21.9	23.50
		50	0	21.69	21.98	21.93	23.50
	64QAM	1	0	21.84	21.77	21.76	23.50
		1	25	21.72	21.92	21.98	23.50
		1	49	21.59	21.98	21.86	23.50
		25	0	20.66	20.88	20.68	22.50
		25	13	20.85	20.92	20.93	22.50
		25	25	20.57	20.82	20.90	22.50
		50	0	20.84	20.78	20.95	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	23.93	23.97	23.86	25.50
		1	38	23.85	23.82	24.02	25.50
		1	74	23.57	23.84	23.92	25.50
		36	0	22.86	22.96	22.76	24.50
		36	18	22.99	23.02	22.77	24.50
		36	39	22.71	22.89	22.95	24.50
		75	0	22.84	22.97	22.92	24.50
	16QAM	1	0	23.36	23.19	23.38	24.50
		1	38	22.99	22.85	23.39	24.50
		1	74	23.08	22.58	22.86	24.50
		36	0	21.84	22.05	21.81	23.50
		36	18	21.87	21.85	21.98	23.50

	64QAM	36	39	21.67	21.88	21.82	23.50
		75	0	21.81	21.88	21.86	23.50
		1	0	21.81	21.86	21.82	23.50
		1	38	21.79	21.74	21.91	23.50
		1	74	21.57	21.78	21.80	23.50
		36	0	20.80	20.89	20.64	22.50
		36	18	20.98	20.96	20.76	22.50
		36	39	20.66	20.88	20.84	22.50
		75	0	20.75	20.85	20.81	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	23.83	23.88	23.91	25.50
		1	50	23.88	23.94	23.93	25.50
		1	99	23.66	23.91	23.92	25.50
		50	0	22.81	23.00	22.82	24.50
		50	25	22.94	22.94	22.86	24.50
		50	50	22.77	22.93	22.92	24.50
		100	0	22.81	22.98	22.96	24.50
	16QAM	1	0	23.27	23.16	23.32	24.50
		1	50	22.94	22.91	23.44	24.50
		1	99	22.99	22.63	22.87	24.50
		50	0	21.75	22.01	21.84	23.50
		50	25	21.85	21.88	21.92	23.50
		50	50	21.75	21.93	21.87	23.50
		100	0	21.77	21.92	21.87	23.50
	64QAM	1	0	21.77	21.79	21.85	23.50
		1	50	21.85	21.86	21.91	23.50
		1	99	21.59	21.89	21.88	23.50
		50	0	20.74	20.98	20.76	22.50
		50	25	20.92	20.88	20.83	22.50
		50	50	20.68	20.90	20.82	22.50
		100	0	20.79	20.93	20.85	22.50

LTE Band 4 Sensor on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	21.5	21.55	21.57	22.50
		1	2	21.55	21.56	21.56	22.50
		1	5	21.51	21.55	21.55	22.50
		3	0	21.58	21.59	21.57	22.50
		3	2	21.56	21.6	21.61	22.50
		3	3	21.57	21.61	21.63	22.50
		6	0	21.62	21.57	21.59	22.50
	16QAM	1	0	21.81	21.88	21.83	22.50
		1	2	21.83	21.85	21.86	22.50
		1	5	21.82	21.9	21.76	22.50
		3	0	21.58	21.64	21.61	22.50
		3	2	21.6	21.63	21.62	22.50
		3	3	21.63	21.67	21.6	22.50
		6	0	21.65	21.66	21.69	22.50
	64QAM	1	0	21.41	21.47	21.50	22.50
		1	2	21.49	21.54	21.53	22.50

		1	5	21.46	21.50	21.43	22.50
		3	0	21.46	21.55	21.49	22.50
		3	2	21.53	21.59	21.53	22.50
		3	3	21.51	21.57	21.52	22.50
		6	0	21.61	21.55	21.57	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.53	21.53	21.53	22.50
		1	7	21.58	21.54	21.54	22.50
		1	14	21.52	21.48	21.41	22.50
		8	0	21.39	21.64	21.46	22.50
		8	4	21.65	21.55	21.57	22.50
		8	7	21.47	21.51	21.56	22.50
		15	0	21.44	21.66	21.59	22.50
	16QAM	1	0	21.85	21.83	21.92	22.50
		1	7	21.75	21.9	21.83	22.50
		1	14	21.86	21.77	21.82	22.50
		8	0	21.45	21.63	21.52	22.50
		8	4	21.5	21.53	21.58	22.50
		8	7	21.46	21.63	21.61	22.50
		15	0	21.38	21.61	21.59	22.50
	64QAM	1	0	21.44	21.46	21.46	22.50
		1	7	21.48	21.47	21.45	22.50
		1	14	21.50	21.46	21.30	22.50
		8	0	21.33	21.61	21.42	22.50
		8	4	21.62	21.48	21.52	22.50
		8	7	21.44	21.46	21.52	22.50
		15	0	21.32	21.56	21.56	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.58	21.52	21.51	22.50
		1	13	21.53	21.53	21.55	22.50
		1	24	21.46	21.46	21.51	22.50
		12	0	21.47	21.61	21.47	22.50
		12	6	21.6	21.57	21.5	22.50
		12	13	21.49	21.54	21.55	22.50
		25	0	21.4	21.6	21.53	22.50
	16QAM	1	0	21.82	21.76	21.91	22.50
		1	13	21.81	21.91	21.8	22.50
		1	24	21.75	21.84	21.75	22.50
		12	0	21.44	21.59	21.49	22.50
		12	6	21.55	21.62	21.63	22.50
		12	13	21.39	21.65	21.63	22.50
		25	0	21.42	21.63	21.51	22.50
	64QAM	1	0	21.51	21.44	21.41	22.50
		1	13	21.43	21.46	21.51	22.50
		1	24	21.45	21.37	21.45	22.50
		12	0	21.41	21.56	21.36	22.50
		12	6	21.54	21.47	21.40	22.50
		12	13	21.44	21.44	21.51	22.50
		25	0	21.36	21.53	21.47	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.63	21.64	21.65	22.50

		1	25	21.61	21.6	21.6	22.50
		1	49	21.53	21.63	21.62	22.50
		25	0	21.46	21.59	21.52	22.50
		25	13	21.55	21.62	21.6	22.50
		25	25	21.59	21.58	21.65	22.50
		50	0	21.53	21.64	21.57	22.50
	16QAM	1	0	21.88	21.92	21.93	22.50
		1	25	21.89	21.9	21.83	22.50
		1	49	21.84	21.89	21.79	22.50
		25	0	21.51	21.68	21.55	22.50
		25	13	21.63	21.62	21.62	22.50
		25	25	21.59	21.62	21.69	22.50
	64QAM	50	0	21.58	21.64	21.6	22.50
		1	0	21.55	21.58	21.64	22.50
		1	25	21.54	21.52	21.51	22.50
		1	49	21.46	21.59	21.58	22.50
		25	0	21.43	21.50	21.43	22.50
		25	13	21.44	21.56	21.48	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.5	21.52	21.54	22.50
		1	38	21.48	21.56	21.53	22.50
		1	74	21.41	21.53	21.54	22.50
		36	0	21.49	21.57	21.51	22.50
		36	18	21.53	21.62	21.53	22.50
		36	39	21.51	21.55	21.59	22.50
	16QAM	75	0	21.5	21.58	21.55	22.50
		1	0	21.8	21.75	21.88	22.50
		1	38	21.71	21.92	21.73	22.50
		1	74	21.67	21.81	21.77	22.50
		36	0	21.54	21.59	21.5	22.50
		36	18	21.51	21.63	21.57	22.50
	64QAM	36	39	21.57	21.59	21.59	22.50
		75	0	21.48	21.61	21.55	22.50
		1	0	21.46	21.45	21.53	22.50
		1	38	21.41	21.50	21.51	22.50
		1	74	21.39	21.42	21.49	22.50
		36	0	21.38	21.51	21.46	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	21.55	21.47	21.54	22.50
		1	50	21.65	21.84	21.74	22.50
		1	99	21.51	21.46	21.49	22.50
		50	0	21.6	21.81	21.59	22.50
		50	25	21.57	21.56	21.57	22.50
		50	50	21.44	21.59	21.58	22.50
		100	0	21.41	21.6	21.55	22.50
	16QAM	1	0	21.83	21.79	21.83	22.50
		1	50	21.77	21.82	21.82	22.50

		1	99	21.82	21.77	21.77	22.50
		50	0	21.46	21.67	21.5	22.50
		50	25	21.54	21.62	21.56	22.50
		50	50	21.44	21.59	21.59	22.50
		100	0	21.46	21.57	21.59	22.50
	64QAM	1	0	21.52	21.41	21.46	22.50
		1	50	21.53	21.80	21.62	22.50
		1	99	21.42	21.44	21.41	22.50
		50	0	21.49	21.54	21.58	22.50
		50	25	21.54	21.47	21.51	22.50
		50	50	21.43	21.49	21.49	22.50
		100	0	21.38	21.49	21.54	22.50

LTE Band 7 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.51	23.57	23.66	25.50
		1	13	23.51	23.54	23.91	25.50
		1	24	23.71	23.6	23.88	25.50
		12	0	22.6	22.64	22.73	24.50
		12	6	22.57	22.62	22.73	24.50
		12	13	22.61	22.56	22.74	24.50
		25	0	22.57	22.62	22.72	24.50
	16QAM	1	0	22.9	22.7	22.77	24.50
		1	13	22.76	22.78	23.1	24.50
		1	24	22.92	22.97	22.87	24.50
		12	0	21.58	21.57	21.74	23.50
		12	6	21.61	21.57	21.7	23.50
		12	13	21.62	21.55	21.71	23.50
		25	0	21.57	21.63	21.76	23.50
	64QAM	1	0	21.52	21.50	21.59	23.50
		1	13	21.53	21.54	21.88	23.50
		1	24	21.69	21.50	21.83	23.50
		12	0	21.58	20.62	20.61	22.50
		12	6	20.52	20.56	20.64	22.50
		12	13	20.57	20.51	20.67	22.50
		25	0	20.53	20.60	20.69	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	23.55	23.54	23.62	25.50
		1	25	23.52	23.6	23.72	25.50
		1	49	23.62	23.5	23.95	25.50
		25	0	22.53	22.59	22.71	24.50
		25	13	22.61	22.57	22.7	24.50
		25	25	22.66	22.61	22.75	24.50
		50	0	22.62	22.66	22.77	24.50
	16QAM	1	0	22.78	22.93	23	24.50
		1	25	22.96	22.53	23.03	24.50
		1	49	22.58	22.68	22.59	24.50
		25	0	21.56	21.53	21.75	23.50
		25	13	21.64	21.54	21.74	23.50
		25	25	21.58	21.6	21.72	23.50

		50	0	21.61	21.54	21.66	23.50
	64QAM	1	0	21.53	21.56	21.52	23.50
		1	25	21.54	21.59	21.61	23.50
		1	49	21.60	21.51	21.92	23.50
		25	0	20.50	20.59	20.60	22.50
		25	13	20.51	20.58	20.61	22.50
		25	25	20.62	20.54	20.67	22.50
		50	0	20.52	20.65	20.74	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	23.87	23.57	23.5	25.50
		1	38	23.87	23.81	23.87	25.50
		1	74	23.61	24.01	24.18	25.50
		36	0	22.71	22.77	22.9	24.50
		36	18	22.82	22.75	22.9	24.50
		36	39	22.82	22.81	22.99	24.50
		75	0	22.8	22.84	23	24.50
		1	0	22.97	22.74	23.08	24.50
	16QAM	1	38	23.04	23.19	23.16	24.50
		1	74	23.12	22.84	23.23	24.50
		36	0	21.66	21.81	21.91	23.50
		36	18	21.73	21.74	21.89	23.50
		36	39	21.84	21.79	21.98	23.50
		75	0	21.75	21.76	21.95	23.50
		1	0	21.82	21.53	21.51	23.50
		1	38	21.77	21.69	21.85	23.50
	64QAM	1	74	21.57	21.93	22.11	23.50
		36	0	20.62	20.75	20.87	22.50
		36	18	20.77	20.74	20.82	22.50
		36	39	20.73	20.70	20.87	22.50
		75	0	20.75	20.83	20.89	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	23.87	23.60	23.68	25.50
		1	50	23.81	23.91	23.93	25.50
		1	99	23.87	23.78	24.07	25.50
		50	0	22.71	22.80	23.00	24.50
		50	25	22.86	22.83	22.99	24.50
		50	50	22.94	22.91	22.99	24.50
		100	0	22.80	22.89	23.00	24.50
		1	0	22.89	22.68	23.11	24.50
	16QAM	1	50	23.22	23.24	23.26	24.50
		1	99	22.57	22.73	22.99	24.50
		50	0	21.70	21.78	22.02	23.50
		50	25	21.83	21.89	21.91	23.50
		50	50	22.00	21.93	22.01	23.50
		100	0	21.75	21.88	22.03	23.50
		1	0	21.86	21.50	21.57	23.50
		1	50	21.80	21.88	21.91	23.50
	64QAM	1	99	21.79	21.76	22.06	23.50
		50	0	20.69	20.69	20.90	22.50
		50	25	20.80	20.79	20.93	22.50
		50	50	20.83	20.88	20.91	22.50
		100	0	20.68	20.81	20.89	22.50



LTE Band 7 Sensor on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	18.66	18.63	18.54	20.00
		1	13	18.7	18.62	18.6	20.00
		1	24	18.74	18.65	18.56	20.00
		12	0	18.61	18.72	18.64	20.00
		12	6	18.72	18.63	18.6	20.00
		12	13	18.73	18.77	18.65	20.00
		25	0	18.71	18.69	18.68	20.00
	16QAM	1	0	18.87	18.93	18.77	20.00
		1	13	18.99	19.00	18.87	20.00
		1	24	19.00	18.89	18.87	20.00
		12	0	18.68	18.78	18.58	20.00
		12	6	18.80	18.71	18.62	20.00
		12	13	18.73	18.66	18.67	20.00
		25	0	18.75	18.74	18.7	20.00
	64QAM	1	0	18.56	18.53	18.52	20.00
		1	13	18.67	18.59	18.53	20.00
		1	24	18.69	18.59	18.49	20.00
		12	0	18.58	18.69	18.58	20.00
		12	6	18.64	18.55	18.49	20.00
		12	13	18.65	18.67	18.59	20.00
		25	0	18.61	18.64	18.57	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	18.62	18.65	18.53	20.00
		1	25	18.73	18.66	18.65	20.00
		1	49	18.73	18.67	18.6	20.00
		25	0	18.64	18.7	18.63	20.00
		25	13	18.72	18.67	18.61	20.00
		25	25	18.75	18.74	18.64	20.00
		50	0	18.75	18.71	18.65	20.00
	16QAM	1	0	18.85	18.92	18.76	20.00
		1	25	18.97	18.95	18.89	20.00
		1	49	19.01	18.91	18.85	20.00
		25	0	18.69	18.74	18.63	20.00
		25	13	18.76	18.71	18.62	20.00
		25	25	18.78	18.71	18.7	20.00
		50	0	18.75	18.73	18.65	20.00
	64QAM	1	0	18.60	18.64	18.47	20.00
		1	25	18.63	18.64	18.59	20.00
		1	49	18.66	18.64	18.51	20.00
		25	0	18.61	18.60	18.62	20.00
		25	13	18.67	18.58	18.59	20.00
		25	25	18.67	18.71	18.52	20.00
		50	0	18.68	18.65	18.63	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	18.59	18.61	18.62	20.00
		1	38	18.73	18.68	18.6	20.00

		1	74	18.72	18.67	18.62	20.00
		36	0	18.64	18.63	18.55	20.00
		36	18	18.7	18.65	18.61	20.00
		36	39	18.76	18.71	18.66	20.00
		75	0	18.73	18.74	18.66	20.00
	16QAM	1	0	18.81	18.82	18.93	20.00
		1	38	19.03	18.97	18.86	20.00
		1	74	18.93	18.94	18.83	20.00
		36	0	18.65	18.73	18.58	20.00
		36	18	18.72	18.67	18.64	20.00
		36	39	18.82	18.71	18.7	20.00
		75	0	18.74	18.76	18.66	20.00
	64QAM	1	0	18.57	18.50	18.53	20.00
		1	38	18.61	18.62	18.57	20.00
		1	74	18.71	18.64	18.57	20.00
		36	0	18.59	18.59	18.54	20.00
		36	18	18.66	18.61	18.49	20.00
		36	39	18.68	18.66	18.64	20.00
		75	0	18.66	18.68	18.56	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	18.52	18.54	18.54	20.00
		1	50	18.66	18.61	18.53	20.00
		1	99	18.66	18.90	19.00	20.00
		50	0	18.57	18.70	18.81	20.00
		50	25	18.70	18.71	18.60	20.00
		50	50	18.77	18.80	18.62	20.00
		100	0	18.67	18.71	18.61	20.00
	16QAM	1	0	18.73	18.68	18.81	20.00
		1	50	18.93	18.96	18.81	20.00
		1	99	18.86	18.91	18.86	20.00
		50	0	18.59	18.64	18.78	20.00
		50	25	18.70	18.72	18.63	20.00
		50	50	18.73	18.73	18.62	20.00
		100	0	18.62	18.73	18.61	20.00
	64QAM	1	0	18.46	18.42	18.49	20.00
		1	50	18.60	18.54	18.42	20.00
		1	99	18.63	18.78	18.88	20.00
		50	0	18.53	18.67	18.70	20.00
		50	25	18.69	18.65	18.57	20.00
		50	50	18.69	18.70	18.61	20.00
		100	0	18.55	18.65	18.55	20.00

LTE Band 38 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	23.74	23.76	23.77	25.50
		1	13	23.8	23.77	23.71	25.50
		1	24	23.73	23.74	23.75	25.50
		12	0	22.76	22.77	22.69	24.50
		12	6	22.73	22.73	22.67	24.50
		12	13	22.68	22.65	22.65	24.50

	16QAM	25	0	22.7	22.73	22.62	24.50
		1	0	22.7	22.69	22.61	24.50
		1	13	22.69	22.69	22.62	24.50
		1	24	22.71	22.68	22.67	24.50
		12	0	21.63	21.69	21.64	23.50
		12	6	21.62	21.65	21.62	23.50
		12	13	21.61	21.61	21.56	23.50
		25	0	21.71	21.7	21.72	23.50
	64QAM	1	0	21.65	21.68	21.76	23.50
		1	13	21.78	21.74	21.60	23.50
		1	24	21.71	21.64	21.63	23.50
		12	0	20.72	20.66	20.58	22.50
		12	6	20.72	20.71	20.61	22.50
		12	13	20.65	20.58	20.58	22.50
		25	0	20.59	20.61	20.59	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.75	23.76	23.72	25.50
		1	25	23.79	23.83	23.75	25.50
		1	49	23.79	23.74	23.7	25.50
		25	0	22.74	22.78	22.71	24.50
		25	13	22.69	22.71	22.65	24.50
		25	25	22.73	22.7	22.68	24.50
		50	0	22.71	22.69	22.67	24.50
	16QAM	1	0	22.69	22.8	22.7	24.50
		1	25	22.63	22.72	22.67	24.50
		1	49	22.74	22.69	22.64	24.50
		25	0	21.7	21.73	21.74	23.50
		25	13	21.69	21.74	21.68	23.50
		25	25	21.74	21.69	21.62	23.50
		50	0	21.69	21.75	21.7	23.50
	64QAM	1	0	21.70	21.70	21.65	23.50
		1	25	21.69	21.77	21.66	23.50
		1	49	21.74	21.63	21.67	23.50
		25	0	20.73	20.72	20.62	22.50
		25	13	20.67	20.66	20.63	22.50
		25	25	20.72	20.68	20.57	22.50
		50	0	20.65	20.64	20.66	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	23.69	23.67	23.61	25.50
		1	38	23.77	23.78	23.73	25.50
		1	74	23.69	23.7	23.67	25.50
		36	0	22.63	22.64	22.64	24.50
		36	18	22.73	22.71	22.63	24.50
		36	39	22.72	22.68	22.61	24.50
		75	0	22.72	22.7	22.64	24.50
	16QAM	1	0	22.6	22.6	22.58	24.50
		1	38	22.75	22.72	22.68	24.50
		1	74	22.64	22.57	22.61	24.50
		36	0	21.61	21.64	21.63	23.50
		36	18	21.67	21.68	21.65	23.50
		36	39	21.66	21.62	21.59	23.50
		75	0	21.7	21.67	21.68	23.50



		1	0	21.65	21.58	21.60	23.50
		1	38	21.69	21.73	21.67	23.50
		1	74	21.58	21.66	21.64	23.50
	64QAM	36	0	20.61	20.58	20.57	22.50
		36	18	20.66	20.67	20.52	22.50
		36	39	20.63	20.62	20.59	22.50
		75	0	20.62	20.66	20.58	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	23.68	23.6	23.65	25.50
		1	50	23.81	23.78	23.75	25.50
		1	99	23.72	23.67	23.83	25.50
		50	0	22.67	22.75	22.79	24.50
		50	25	22.77	22.73	22.73	24.50
		50	50	22.78	22.69	22.67	24.50
		100	0	22.71	22.7	22.63	24.50
	16QAM	1	0	22.63	22.67	22.56	24.50
		1	50	22.69	22.67	22.7	24.50
		1	99	22.67	22.63	22.52	24.50
		50	0	21.66	21.72	21.7	23.50
		50	25	21.73	21.75	21.68	23.50
		50	50	21.78	21.73	21.62	23.50
		100	0	21.69	21.68	21.64	23.50
	64QAM	1	0	21.60	21.54	21.54	23.50
		1	50	21.74	21.67	21.69	23.50
		1	99	21.70	21.66	21.70	23.50
		50	0	20.57	20.66	20.71	22.50
		50	25	20.71	20.65	20.61	22.50
		50	50	20.77	20.57	20.59	22.50
		100	0	20.68	20.60	20.51	22.50

LTE Band 38 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.58	21.74	21.68	23.50
		1	13	21.72	21.8	21.76	23.50
		1	24	21.65	21.75	21.7	23.50
		12	0	21.67	21.76	21.68	23.50
		12	6	21.65	21.75	21.6	23.50
		12	13	21.66	21.67	21.61	23.50
		25	0	21.73	21.66	21.65	23.50
	16QAM	1	0	21.72	21.79	21.76	23.50
		1	13	21.76	21.68	21.73	23.50
		1	24	21.73	21.72	21.68	23.50
		12	0	21.75	21.74	21.75	23.50
		12	6	21.67	21.73	21.72	23.50
		12	13	21.77	21.72	21.67	23.50
		25	0	21.67	21.78	21.72	23.50
	64QAM	1	0	21.65	21.68	21.76	23.50
		1	13	21.78	21.74	21.60	23.50
		1	24	21.71	21.64	21.63	23.50
		12	0	20.72	20.66	20.58	22.50

		12	6	20.72	20.71	20.61	22.50
		12	13	20.65	20.58	20.58	22.50
		25	0	20.59	20.61	20.59	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	21.62	21.71	21.66	23.50
		1	25	21.69	21.75	21.72	23.50
		1	49	21.67	21.7	21.66	23.50
		25	0	21.67	21.75	21.66	23.50
		25	13	21.66	21.7	21.62	23.50
		25	25	21.71	21.68	21.64	23.50
		50	0	21.69	21.7	21.69	23.50
	16QAM	1	0	21.7	21.74	21.72	23.50
		1	25	21.72	21.72	21.71	23.50
		1	49	21.72	21.68	21.69	23.50
		25	0	21.71	21.77	21.74	23.50
		25	13	21.7	21.76	21.73	23.50
		25	25	21.73	21.7	21.69	23.50
		50	0	21.7	21.73	21.69	23.50
	64QAM	1	0	21.70	21.70	21.65	23.50
		1	25	21.69	21.77	21.66	23.50
		1	49	21.74	21.63	21.67	23.50
		25	0	20.73	20.72	20.62	22.50
		25	13	20.67	20.66	20.63	22.50
		25	25	20.72	20.68	20.57	22.50
		50	0	20.65	20.64	20.66	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	21.61	21.62	21.58	23.50
		1	38	21.71	21.75	21.68	23.50
		1	74	21.64	21.63	21.59	23.50
		36	0	21.65	21.67	21.66	23.50
		36	18	21.68	21.62	21.66	23.50
		36	39	21.65	21.65	21.55	23.50
		75	0	21.71	21.66	21.62	23.50
	16QAM	1	0	21.64	21.63	21.57	23.50
		1	38	21.72	21.7	21.69	23.50
		1	74	21.66	21.61	21.58	23.50
		36	0	21.63	21.61	21.65	23.50
		36	18	21.66	21.63	21.62	23.50
		36	39	21.63	21.66	21.61	23.50
		75	0	21.7	21.68	21.64	23.50
	64QAM	1	0	21.65	21.58	21.60	23.50
		1	38	21.69	21.73	21.67	23.50
		1	74	21.58	21.66	21.64	23.50
		36	0	20.61	20.58	20.57	22.50
		36	18	20.66	20.67	20.52	22.50
		36	39	20.63	20.62	20.59	22.50
		75	0	20.62	20.66	20.58	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	21.51	21.54	21.55	23.50
		1	50	21.68	21.68	21.64	23.50
		1	99	21.57	21.54	21.54	23.50

		50	0	21.59	21.69	21.64	23.50
		50	25	21.65	21.65	21.7	23.50
		50	50	21.67	21.66	21.58	23.50
		100	0	21.63	21.66	21.63	23.50
	16QAM	1	0	21.57	21.54	21.58	23.50
		1	50	21.69	21.69	21.62	23.50
		1	99	21.55	21.55	21.53	23.50
		50	0	21.6	21.68	21.67	23.50
		50	25	21.7	21.72	21.69	23.50
		50	50	21.72	21.63	21.66	23.50
		100	0	21.68	21.69	21.66	23.50
	64QAM	1	0	21.60	21.54	21.54	23.50
		1	50	21.74	21.67	21.69	23.50
		1	99	21.70	21.66	21.70	23.50
		50	0	20.57	20.66	20.71	22.50
		50	25	20.71	20.65	20.61	22.50
		50	50	20.77	20.57	20.59	22.50
		100	0	20.68	20.60	20.51	22.50

LTE Band 38 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.42	21.59	21.52	22.50
		1	13	21.57	21.61	21.56	22.50
		1	24	21.47	21.55	21.55	22.50
		12	0	21.48	21.57	21.48	22.50
		12	6	21.5	21.6	21.41	22.50
		12	13	21.51	21.48	21.42	22.50
		25	0	21.57	21.5	21.45	22.50
	16QAM	1	0	21.56	21.64	21.58	22.50
		1	13	21.59	21.48	21.57	22.50
		1	24	21.56	21.53	21.5	22.50
		12	0	21.6	21.56	21.58	22.50
		12	6	21.51	21.53	21.56	22.50
		12	13	21.6	21.56	21.5	22.50
		25	0	21.48	21.59	21.54	22.50
	64QAM	1	0	21.41	21.47	21.51	22.50
		1	13	21.50	21.58	21.52	22.50
		1	24	21.37	21.52	21.51	22.50
		12	0	21.37	21.56	21.38	22.50
		12	6	21.39	21.57	21.30	22.50
		12	13	21.50	21.39	21.35	22.50
		25	0	21.50	21.41	21.40	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	21.47	21.52	21.5	22.50
		1	25	21.52	21.6	21.55	22.50
		1	49	21.48	21.5	21.47	22.50
		25	0	21.52	21.6	21.51	22.50
		25	13	21.48	21.54	21.47	22.50
		25	25	21.51	21.53	21.49	22.50
		50	0	21.49	21.51	21.53	22.50

	16QAM	1	0	21.5	21.57	21.57	22.50
		1	25	21.54	21.53	21.53	22.50
		1	49	21.57	21.5	21.51	22.50
		25	0	21.52	21.57	21.54	22.50
		25	13	21.5	21.57	21.55	22.50
		25	25	21.53	21.51	21.53	22.50
		50	0	21.53	21.55	21.49	22.50
	64QAM	1	0	21.37	21.50	21.45	22.50
		1	25	21.48	21.58	21.51	22.50
		1	49	21.42	21.49	21.45	22.50
		25	0	21.42	21.52	21.45	22.50
		25	13	21.47	21.46	21.41	22.50
		25	25	21.43	21.51	21.44	22.50
		50	0	21.37	21.45	21.44	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	21.41	21.44	21.39	22.50
		1	38	21.56	21.55	21.49	22.50
		1	74	21.46	21.44	21.41	22.50
		36	0	21.46	21.51	21.48	22.50
		36	18	21.49	21.46	21.49	22.50
		36	39	21.45	21.47	21.39	22.50
		75	0	21.55	21.46	21.46	22.50
	16QAM	1	0	21.47	21.48	21.39	22.50
		1	38	21.53	21.53	21.5	22.50
		1	74	21.46	21.44	21.42	22.50
		36	0	21.43	21.46	21.47	22.50
		36	18	21.51	21.48	21.45	22.50
		36	39	21.43	21.48	21.43	22.50
		75	0	21.53	21.51	21.48	22.50
	64QAM	1	0	21.30	21.43	21.28	22.50
		1	38	21.55	21.44	21.45	22.50
		1	74	21.35	21.41	21.33	22.50
		36	0	21.37	21.45	21.37	22.50
		36	18	21.48	21.41	21.40	22.50
		36	39	21.40	21.45	21.29	22.50
		75	0	21.49	21.41	21.37	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	21.36	21.34	21.35	22.50
		1	50	21.5	21.53	21.49	22.50
		1	99	21.4	21.39	21.56	22.50
		50	0	21.41	21.41	21.49	22.50
		50	25	21.48	21.45	21.44	22.50
		50	50	21.45	21.47	21.43	22.50
		100	0	21.43	21.48	21.48	22.50
	16QAM	1	0	21.4	21.36	21.4	22.50
		1	50	21.49	21.53	21.46	22.50
		1	99	21.38	21.39	21.38	22.50
		50	0	21.45	21.51	21.51	22.50
		50	25	21.55	21.53	21.49	22.50
		50	50	21.53	21.48	21.47	22.50
		100	0	21.53	21.49	21.47	22.50
	64QAM	1	0	21.34	21.32	21.27	22.50



		1	50	21.40	21.45	21.47	22.50
		1	99	21.37	21.33	21.44	22.50
		50	0	21.33	21.39	21.48	22.50
		50	25	21.44	21.45	21.42	22.50
		50	50	21.44	21.38	21.34	22.50
		100	0	21.33	21.43	21.46	22.50

LTE Band 41				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	23.56	23.66	23.68	23.58	23.55	24.00
		1	13	23.71	23.81	23.73	23.74	23.72	24.00
		1	24	23.65	23.69	23.64	23.69	23.61	24.00
		12	0	22.61	22.71	22.83	22.65	22.78	23.00
		12	6	22.63	22.74	22.8	22.7	22.8	23.00
		12	13	22.76	22.74	22.7	22.79	22.75	23.00
		25	0	22.7	22.77	22.6	22.68	22.66	23.00
	16QAM	1	0	22.54	22.7	22.75	22.57	22.68	23.00
		1	13	22.69	22.84	22.78	22.74	22.8	23.00
		1	24	22.66	22.66	22.49	22.6	22.62	23.00
		12	0	21.63	21.71	21.79	21.54	21.73	22.00
		12	6	21.7	21.75	21.72	21.7	21.76	22.00
		12	13	21.75	21.78	21.6	21.75	21.71	22.00
		25	0	21.71	21.75	21.77	21.75	21.76	22.00
	64QAM	1	0	21.45	21.62	21.61	21.56	21.45	22.00
		1	13	21.68	21.79	21.71	21.70	21.65	22.00
		1	24	21.60	21.58	21.63	21.66	21.55	22.00
		12	0	20.56	20.69	20.75	20.54	20.73	21.00
		12	6	20.55	20.68	20.79	20.65	20.74	21.00
		12	13	20.72	20.71	20.60	20.77	20.73	21.00
		25	0	20.68	20.69	20.48	20.56	20.61	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	23.54	23.68	23.67	23.56	23.59	24.00
		1	25	23.64	23.79	23.67	23.77	23.77	24.00
		1	49	23.64	23.65	23.61	23.7	23.6	24.00
		25	0	22.57	22.75	22.79	22.64	22.74	23.00
		25	13	22.62	22.73	22.73	22.71	22.73	23.00
		25	25	22.76	22.73	22.67	22.84	22.79	23.00
		50	0	22.72	22.7	22.65	22.65	22.67	23.00
	16QAM	1	0	22.56	22.71	22.77	22.61	22.71	23.00
		1	25	22.67	22.81	22.77	22.82	22.75	23.00
		1	49	22.65	22.63	22.47	22.61	22.62	23.00
		25	0	21.67	21.75	21.8	21.58	21.75	22.00
		25	13	21.68	21.77	21.76	21.64	21.68	22.00
		25	25	21.73	21.8	21.67	21.77	21.7	22.00
		50	0	21.75	21.74	21.7	21.77	21.79	22.00
	64QAM	1	0	21.45	21.67	21.66	21.54	21.50	22.00
		1	25	21.62	21.77	21.63	21.65	21.67	22.00
		1	49	21.57	21.61	21.50	21.58	21.53	22.00
		25	0	20.54	20.72	20.73	20.58	20.62	21.00
		25	13	20.57	20.62	20.70	20.66	20.69	21.00

		25	25	20.64	20.68	20.65	20.78	20.74	21.00
		50	0	20.71	20.69	20.57	20.54	20.55	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	23.57	23.7	23.64	23.51	23.57	24.00
		1	38	23.61	23.63	23.72	23.7	23.63	24.00
		1	74	23.65	23.68	23.67	23.67	23.6	24.00
		36	0	22.58	22.71	22.75	22.59	22.76	23.00
		36	18	22.64	22.76	22.75	22.68	22.76	23.00
		36	39	22.84	22.78	22.67	22.84	22.79	23.00
		75	0	22.65	22.71	22.7	22.66	22.72	23.00
	16QAM	1	0	22.61	22.63	22.75	22.55	22.61	23.00
		1	38	22.63	22.81	22.74	22.76	22.74	23.00
		1	74	22.66	22.59	22.46	22.59	22.71	23.00
		36	0	21.67	21.68	21.74	21.56	21.77	22.00
		36	18	21.68	21.71	21.74	21.71	21.67	22.00
		36	39	21.74	21.7	21.67	21.75	21.67	22.00
		75	0	21.67	21.75	21.74	21.68	21.76	22.00
	64QAM	1	0	21.53	21.65	21.57	21.48	21.51	22.00
		1	38	21.54	21.57	21.69	21.58	21.60	22.00
		1	74	21.57	21.65	21.65	21.60	21.49	22.00
		36	0	20.52	20.65	20.74	20.48	20.69	21.00
		36	18	20.57	20.70	20.73	20.57	20.65	21.00
		36	39	20.75	20.73	20.62	20.73	20.68	21.00
		75	0	20.57	20.62	20.60	20.59	20.71	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.59	23.68	23.63	23.55	23.59	24.00
		1	50	23.66	23.77	23.71	23.73	23.82	24.00
		1	99	23.65	23.67	23.83	23.65	23.64	24.00
		50	0	22.61	22.75	22.81	22.63	22.73	23.00
		50	25	22.67	22.76	22.75	22.68	22.78	23.00
		50	50	22.79	22.76	22.69	22.80	22.79	23.00
		100	0	22.68	22.72	22.65	22.67	22.70	23.00
	16QAM	1	0	22.57	22.67	22.72	22.58	22.66	23.00
		1	50	22.67	22.83	22.73	22.77	22.76	23.00
		1	99	22.64	22.62	22.50	22.63	22.66	23.00
		50	0	21.63	21.70	21.78	21.54	21.76	22.00
		50	25	21.69	21.73	21.71	21.66	21.72	22.00
		50	50	21.77	21.75	21.62	21.72	21.69	22.00
		100	0	21.71	21.71	21.75	21.73	21.76	22.00
	64QAM	1	0	21.55	21.63	21.56	21.53	21.57	22.00
		1	50	21.59	21.72	21.64	21.64	21.78	22.00
		1	99	21.54	21.66	21.73	21.60	21.53	22.00
		50	0	20.53	20.70	20.69	20.57	20.69	21.00
		50	25	20.62	20.64	20.66	20.63	20.66	21.00
		50	50	20.77	20.74	20.68	20.71	20.69	21.00
		100	0	20.63	20.69	20.55	20.60	20.67	21.00

LTE Band 66 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.69	24.11	23.94	25.50
		1	2	23.72	24.15	24.05	25.50
		1	5	23.78	23.98	23.99	25.50
		3	0	23.94	24.05	24.09	25.50
		3	1	23.90	24.10	23.95	25.50
		3	3	24.14	23.90	23.84	25.50
		6	0	22.86	22.98	23.04	24.50
	16QAM	1	0	22.94	23.33	23.09	24.50
		1	2	22.96	22.93	23.08	24.50
		1	5	22.87	23.25	22.93	24.50
		3	0	22.94	22.98	23.15	24.50
		3	1	22.92	22.93	22.95	24.50
		3	3	22.93	22.77	22.67	24.50
		6	0	22.02	22.01	21.97	23.50
	64QAM	1	0	21.68	22.10	21.90	23.50
		1	2	21.60	22.08	22.01	23.50
		1	5	21.73	21.91	21.98	23.50
		3	0	21.88	21.95	22.00	23.50
		3	1	21.80	21.99	21.85	23.50
		3	3	22.05	21.78	21.83	23.50
		6	0	20.81	20.93	20.97	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.85	23.87	23.81	25.50
		1	7	23.85	23.81	23.83	25.50
		1	14	23.59	23.91	24.00	25.50
		8	0	22.82	23.01	22.91	24.50
		8	4	22.90	23.04	22.89	24.50
		8	7	22.76	22.92	22.94	24.50
		15	0	22.89	22.98	22.96	24.50
	16QAM	1	0	23.31	23.20	23.35	24.50
		1	7	22.94	22.83	23.51	24.50
		1	14	23.06	22.63	22.87	24.50
		8	0	21.66	22.01	21.90	23.50
		8	4	21.76	21.78	21.93	23.50
		8	7	21.72	21.86	21.96	23.50
		15	0	21.74	21.87	21.77	23.50
	64QAM	1	0	21.84	21.86	21.74	23.50
		1	7	21.78	21.72	21.78	23.50
		1	14	21.53	21.85	21.95	23.50
		8	0	20.81	20.93	20.83	22.50
		8	4	20.79	20.97	20.81	22.50
		8	7	20.65	20.83	20.83	22.50
		15	0	20.82	20.92	20.92	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.79	23.97	23.97	25.50
		1	13	23.87	23.90	23.99	25.50

		1	24	23.76	23.86	23.94	25.50
		12	0	22.88	22.96	22.83	24.50
		12	6	22.95	22.91	22.88	24.50
		12	13	22.81	22.83	22.83	24.50
		25	0	22.88	23.06	22.89	24.50
	16QAM	1	0	23.35	23.22	23.37	24.50
		1	13	22.85	22.94	23.41	24.50
		1	24	22.93	22.66	22.81	24.50
		12	0	21.84	22.11	21.92	23.50
		12	6	21.79	21.80	21.96	23.50
		12	13	21.70	21.96	21.81	23.50
		25	0	21.67	21.94	21.91	23.50
	64QAM	1	0	21.67	21.85	21.85	23.50
		1	13	21.85	21.89	21.89	23.50
		1	24	21.75	21.82	21.83	23.50
		12	0	20.82	20.88	20.77	22.50
		12	6	20.85	20.82	20.87	22.50
		12	13	20.71	20.71	20.80	22.50
		25	0	20.78	21.03	20.81	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	23.93	23.96	23.94	25.50
		1	25	23.95	23.98	23.83	25.50
		1	49	23.70	23.82	23.93	25.50
		25	0	22.80	22.92	22.92	24.50
		25	13	22.92	23.00	22.83	24.50
		25	25	22.70	22.88	23.01	24.50
		50	0	22.85	23.00	22.94	24.50
	16QAM	1	0	23.22	23.14	23.36	24.50
		1	25	22.84	22.98	23.47	24.50
		1	49	23.02	22.58	22.79	24.50
		25	0	21.69	21.97	21.93	23.50
		25	13	21.82	21.83	21.85	23.50
		25	25	21.84	21.87	21.78	23.50
		50	0	21.76	21.87	21.79	23.50
	64QAM	1	0	21.83	21.85	21.87	23.50
		1	25	21.93	21.87	21.78	23.50
		1	49	21.65	21.72	21.87	23.50
		25	0	20.78	20.82	20.85	22.50
		25	13	20.80	20.99	20.75	22.50
		25	25	20.65	20.82	20.96	22.50
		50	0	20.83	20.89	20.93	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	23.79	23.79	24.00	25.50
		1	38	23.91	23.85	24.01	25.50
		1	74	23.62	23.89	23.83	25.50
		36	0	22.90	23.08	22.90	24.50
		36	18	22.93	22.86	22.96	24.50
		36	39	22.77	22.91	22.95	24.50
		75	0	22.87	23.00	22.86	24.50
	16QAM	1	0	23.17	23.19	23.34	24.50
		1	38	22.94	22.81	23.54	24.50
		1	74	22.92	22.59	22.77	24.50

		36	0	21.67	22.10	21.85	23.50
		36	18	21.91	21.98	21.86	23.50
		36	39	21.78	22.01	21.94	23.50
		75	0	21.82	21.88	21.77	23.50
	64QAM	1	0	21.77	21.74	21.91	23.50
		1	38	21.84	21.77	21.97	23.50
		1	74	21.56	21.81	21.72	23.50
		36	0	20.87	20.97	20.85	22.50
		36	18	20.85	20.84	20.94	22.50
		36	39	20.69	20.89	20.87	22.50
		75	0	20.77	20.92	20.84	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	23.93	23.85	23.95	25.50
		1	50	23.97	23.98	23.86	25.50
		1	99	23.63	23.94	23.91	25.50
		50	0	22.85	23.03	22.89	24.50
		50	25	23.02	23.03	22.95	24.50
		50	50	22.79	23.01	22.87	24.50
		100	0	22.76	22.98	22.98	24.50
	16QAM	1	0	23.32	23.10	23.35	24.50
		1	50	22.96	22.98	23.41	24.50
		1	99	23.09	22.53	22.82	24.50
		50	0	21.67	21.99	21.91	23.50
		50	25	21.92	21.89	21.91	23.50
		50	50	21.80	22.03	21.92	23.50
		100	0	21.74	21.82	21.84	23.50
	64QAM	1	0	21.86	21.78	21.94	23.50
		1	50	21.89	21.97	21.83	23.50
		1	99	21.59	21.93	21.87	23.50
		50	0	20.78	21.02	20.78	22.50
		50	25	20.99	20.96	20.85	22.50
		50	50	20.75	20.90	20.76	22.50
		100	0	20.64	20.91	20.90	22.50

LTE Band 66 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 131979	Channel 132322	Channel 132665	Tune up
1.4MHz	QPSK	1	0	21.71	21.81	21.75	23.50
		1	2	21.67	21.77	21.65	23.50
		1	5	21.69	21.70	21.75	23.50
		3	0	21.75	21.77	21.68	23.50
		3	1	21.70	21.84	21.72	23.50
		3	3	21.72	21.71	21.81	23.50
		6	0	21.71	21.71	21.80	23.50
	16QAM	1	0	21.99	21.97	22.02	23.50
		1	2	21.97	22.10	22.04	23.50
		1	5	22.04	22.13	21.90	23.50
		3	0	21.81	21.73	21.85	23.50
		3	1	21.72	21.75	21.89	23.50
		3	3	21.85	21.79	21.84	23.50
		6	0	21.92	21.85	21.80	23.50

		1	0	21.68	22.10	21.90	23.50
		1	2	21.60	22.08	22.01	23.50
		1	5	21.73	21.91	21.98	23.50
		3	0	21.88	21.95	22.00	23.50
		3	1	21.80	21.99	21.85	23.50
		3	3	22.05	21.78	21.83	23.50
		6	0	20.81	20.93	20.97	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 131987	Channel 132322	Channel 132657	Tune up
3MHz	QPSK	1	0	21.71	21.73	21.75	23.50
		1	7	21.60	21.71	21.71	23.50
		1	14	21.68	21.60	21.67	23.50
		8	0	21.54	21.80	21.64	23.50
		8	4	21.83	21.83	21.69	23.50
		8	7	21.64	21.68	21.77	23.50
		15	0	21.57	21.84	21.78	23.50
	16QAM	1	0	21.93	21.98	22.00	23.50
		1	7	21.87	22.05	21.97	23.50
		1	14	22.02	21.89	21.91	23.50
		8	0	21.62	21.79	21.73	23.50
		8	4	21.69	21.76	21.77	23.50
		8	7	21.54	21.70	21.72	23.50
		15	0	21.67	21.76	21.67	23.50
	64QAM	1	0	21.84	21.86	21.74	23.50
		1	7	21.78	21.72	21.78	23.50
		1	14	21.53	21.85	21.95	23.50
		8	0	20.81	20.93	20.83	22.50
		8	4	20.79	20.97	20.81	22.50
		8	7	20.65	20.83	20.83	22.50
		15	0	20.82	20.92	20.92	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 131997	Channel 132322	Channel 132647	Tune up
5MHz	QPSK	1	0	21.78	21.64	21.80	23.50
		1	13	21.74	21.72	21.67	23.50
		1	24	21.74	21.57	21.57	23.50
		12	0	21.64	21.85	21.71	23.50
		12	6	21.83	21.82	21.66	23.50
		12	13	21.59	21.73	21.73	23.50
		25	0	21.54	21.79	21.76	23.50
	16QAM	1	0	22.03	21.91	22.04	23.50
		1	13	21.88	21.99	21.96	23.50
		1	24	21.97	21.90	21.97	23.50
		12	0	21.68	21.77	21.74	23.50
		12	6	21.69	21.76	21.78	23.50
		12	13	21.55	21.70	21.79	23.50
		25	0	21.65	21.73	21.78	23.50
	64QAM	1	0	21.67	21.85	21.85	23.50
		1	13	21.85	21.89	21.89	23.50
		1	24	21.75	21.82	21.83	23.50
		12	0	20.82	20.88	20.77	22.50
		12	6	20.85	20.82	20.87	22.50
		12	13	20.71	20.71	20.80	22.50
		25	0	20.78	21.03	20.81	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				132022	132322	132622	
10MHz	QPSK	1	0	21.67	21.66	21.70	23.50
		1	25	21.73	21.80	21.74	23.50
		1	49	21.72	21.57	21.68	23.50
		25	0	21.56	21.84	21.68	23.50
		25	13	21.79	21.76	21.74	23.50
		25	25	21.70	21.75	21.82	23.50
		50	0	21.53	21.71	21.71	23.50
	16QAM	1	0	22.09	21.97	22.00	23.50
		1	25	22.02	22.05	22.06	23.50
		1	49	21.97	21.97	21.99	23.50
		25	0	21.57	21.84	21.61	23.50
		25	13	21.80	21.70	21.83	23.50
		25	25	21.58	21.70	21.80	23.50
		50	0	21.54	21.83	21.67	23.50
	64QAM	1	0	21.83	21.85	21.87	23.50
		1	25	21.93	21.87	21.78	23.50
		1	49	21.65	21.72	21.87	23.50
		25	0	20.78	20.82	20.85	22.50
		25	13	20.80	20.99	20.75	22.50
		25	25	20.65	20.82	20.96	22.50
		50	0	20.83	20.89	20.93	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	21.72	21.60	21.76	23.50
		1	38	21.73	21.73	21.70	23.50
		1	74	21.61	21.66	21.62	23.50
		36	0	21.64	21.74	21.66	23.50
		36	18	21.73	21.81	21.74	23.50
		36	39	21.60	21.68	21.83	23.50
		75	0	21.66	21.73	21.79	23.50
	16QAM	1	0	22.04	21.91	22.04	23.50
		1	38	21.98	22.01	22.01	23.50
		1	74	22.04	21.96	21.96	23.50
		36	0	21.70	21.90	21.70	23.50
		36	18	21.81	21.79	21.70	23.50
		36	39	21.57	21.78	21.78	23.50
		75	0	21.57	21.78	21.71	23.50
	64QAM	1	0	21.77	21.74	21.91	23.50
		1	38	21.84	21.77	21.97	23.50
		1	74	21.56	21.81	21.72	23.50
		36	0	20.87	20.97	20.85	22.50
		36	18	20.85	20.84	20.94	22.50
		36	39	20.69	20.89	20.87	22.50
		75	0	20.77	20.92	20.84	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	21.63	21.61	21.71	23.50
		1	50	21.65	22.06	21.73	23.50
		1	99	21.60	21.68	21.65	23.50
		50	0	21.74	21.87	21.86	23.50
		50	25	21.74	21.77	21.68	23.50
		50	50	21.54	21.69	21.86	23.50
		100	0	21.60	21.79	21.78	23.50

	16QAM	1	0	22.05	21.97	21.97	23.50
		1	50	21.93	22.03	22.05	23.50
		1	99	21.92	22.00	21.95	23.50
		50	0	21.57	21.80	21.75	23.50
		50	25	21.66	21.84	21.83	23.50
		50	50	21.65	21.83	21.79	23.50
		100	0	21.53	21.72	21.82	23.50
	64QAM	1	0	21.86	21.78	21.94	23.50
		1	50	21.89	21.97	21.83	23.50
		1	99	21.59	21.93	21.87	23.50
		50	0	20.78	21.02	20.78	22.50
		50	25	20.99	20.96	20.85	22.50
		50	50	20.75	20.90	20.76	22.50
		100	0	20.64	20.91	20.90	22.50

LTE Band 66 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	19.98	19.90	20.07	21.50
		1	2	20.04	20.01	19.76	21.50
		1	5	19.72	20.10	20.04	21.50
		3	0	20.00	20.07	20.08	21.50
		3	1	20.00	19.86	20.03	21.50
		3	3	19.60	20.10	20.16	21.50
		6	0	20.10	20.02	19.89	21.50
	16QAM	1	0	20.17	20.06	20.03	21.50
		1	2	19.81	20.18	20.17	21.50
		1	5	20.08	20.00	19.87	21.50
		3	0	19.89	20.04	20.06	21.50
		3	1	19.76	19.99	20.07	21.50
		3	3	20.07	20.01	20.30	21.50
		6	0	20.03	20.06	19.97	21.50
	64QAM	1	0	19.88	19.79	20.05	21.50
		1	2	19.95	19.97	19.71	21.50
		1	5	19.60	20.04	20.00	21.50
		3	0	19.88	20.05	20.04	21.50
		3	1	19.99	19.81	20.02	21.50
		3	3	19.57	19.98	20.15	21.50
		6	0	20.06	19.91	19.79	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	19.93	20.12	20.13	21.50
		1	7	19.99	20.00	20.03	21.50
		1	14	19.73	19.98	20.04	21.50
		8	0	19.93	19.94	20.19	21.50
		8	4	20.08	20.00	19.89	21.50
		8	7	19.52	20.09	20.08	21.50
		15	0	19.88	20.09	20.02	21.50
	16QAM	1	0	20.25	19.89	19.82	21.50
		1	7	19.75	19.97	20.09	21.50
		1	14	20.10	19.85	20.06	21.50
		8	0	20.19	19.91	20.01	21.50

		8	4	19.80	20.14	19.95	21.50
		8	7	19.95	19.92	20.18	21.50
		15	0	20.22	20.12	19.86	21.50
	64QAM	1	0	19.81	20.01	20.08	21.50
		1	7	19.92	19.95	20.00	21.50
		1	14	19.65	19.93	19.99	21.50
		8	0	19.85	19.90	20.09	21.50
		8	4	20.03	19.99	19.88	21.50
		8	7	19.66	20.01	19.97	21.50
		15	0	19.81	19.98	19.99	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 131997	Channel 132322	Channel 132647	Tune up
5MHz	QPSK	1	0	19.88	20.01	20.10	21.50
		1	13	20.03	19.85	20.06	21.50
		1	24	19.65	19.98	19.92	21.50
		12	0	20.06	20.04	20.14	21.50
		12	6	20.20	19.94	19.91	21.50
		12	13	19.68	20.06	20.06	21.50
		25	0	19.83	20.16	20.15	21.50
	16QAM	1	0	20.18	20.04	19.84	21.50
		1	13	19.85	20.00	19.99	21.50
		1	24	20.22	19.85	20.03	21.50
		12	0	20.00	20.03	19.86	21.50
		12	6	19.79	20.03	19.90	21.50
		12	13	20.07	19.86	20.02	21.50
		25	0	20.05	20.22	19.88	21.50
	64QAM	1	0	19.77	19.92	20.03	21.50
		1	13	19.91	19.76	20.05	21.50
		1	24	19.56	19.88	19.81	21.50
		12	0	20.03	19.94	20.13	21.50
		12	6	20.11	19.87	19.84	21.50
		12	13	19.62	19.96	20.05	21.50
		25	0	19.71	20.04	20.05	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	20.00	20.12	20.22	21.50
		1	25	20.01	19.83	19.96	21.50
		1	49	19.66	20.00	19.95	21.50
		25	0	20.02	20.16	20.03	21.50
		25	13	20.26	19.84	19.91	21.50
		25	25	19.62	19.93	20.01	21.50
		50	0	19.94	19.88	20.16	21.50
	16QAM	1	0	20.20	20.07	20.01	21.50
		1	25	19.84	20.14	20.08	21.50
		1	49	20.02	19.82	20.04	21.50
		25	0	20.05	20.03	19.80	21.50
		25	13	19.65	20.20	19.83	21.50
		25	25	20.15	19.78	20.26	21.50
		50	0	20.15	20.22	19.91	21.50
	64QAM	1	0	19.94	20.06	20.21	21.50
		1	25	19.93	19.73	19.86	21.50
		1	49	19.64	19.90	19.89	21.50
		25	0	19.95	20.07	19.93	21.50
		25	13	20.19	19.79	19.83	21.50

		25	25	19.61	19.81	19.95	21.50
		50	0	19.85	19.85	20.12	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	19.92	19.96	20.20	21.50
		1	38	19.99	19.91	19.93	21.50
		1	74	19.67	19.99	20.14	21.50
		36	0	19.97	20.04	20.15	21.50
		36	18	20.17	19.77	20.02	21.50
		36	39	19.67	19.96	19.95	21.50
		75	0	19.90	19.89	20.00	21.50
	16QAM	1	0	20.13	19.82	19.90	21.50
		1	38	19.62	20.03	20.06	21.50
		1	74	20.05	19.97	20.05	21.50
		36	0	19.90	20.07	19.80	21.50
		36	18	19.74	20.07	19.84	21.50
		36	39	20.04	19.96	20.07	21.50
		75	0	20.03	20.13	19.81	21.50
	64QAM	1	0	19.86	19.88	20.10	21.50
		1	38	19.96	19.89	19.84	21.50
		1	74	19.60	19.91	20.08	21.50
		36	0	19.89	20.02	20.10	21.50
		36	18	20.15	19.73	20.00	21.50
		36	39	19.64	19.86	19.89	21.50
		75	0	19.88	19.85	19.96	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	19.98	20.05	20.10	21.50
		1	50	20.00	20.16	19.91	21.50
		1	99	19.75	20.07	20.03	21.50
		50	0	20.04	20.15	20.10	21.50
		50	25	20.14	19.91	19.92	21.50
		50	50	19.64	19.97	20.02	21.50
		100	0	19.96	20.03	20.04	21.50
	16QAM	1	0	20.12	19.95	19.93	21.50
		1	50	19.72	20.07	20.03	21.50
		1	99	20.12	19.90	20.00	21.50
		50	0	20.04	20.01	19.95	21.50
		50	25	19.73	20.05	19.96	21.50
		50	50	20.05	19.93	20.15	21.50
		100	0	20.07	20.07	19.92	21.50
	64QAM	1	0	19.95	19.93	20.02	21.50
		1	50	19.95	20.09	19.86	21.50
		1	99	19.70	20.04	20.00	21.50
		50	0	20.03	20.05	19.99	21.50
		50	25	20.09	19.81	19.87	21.50
		50	50	19.63	19.90	19.99	21.50
		100	0	19.88	20.00	19.97	21.50

3 Conducted Power of Main Antenna(Ant3)

3.1 Conducted Power of GSM

GSM 850 Full power										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	32.19	32.36	32.30	33.50	-9.19	23	23.17	23.11	24.31
GPRS/EGPRS (GMSK)	1 TX Slot	32.20	32.30	32.26	33.50	-9.19	23.01	23.11	23.07	24.31
	2 TX Slots	28.94	29.16	29.12	30.50	-6.18	22.76	22.98	22.94	24.32
	3 TX Slots	26.89	27.13	27.14	28.70	-4.42	22.47	22.71	22.72	24.28
	4 TX Slots	25.53	25.56	25.58	27.50	-3.17	22.36	22.39	22.41	24.33
EGPRS(8PSK)	1 TX Slot	26.16	26.04	26.28	27.50	-9.19	16.97	16.85	17.09	18.31
	2 TX Slots	22.89	22.82	23.04	24.50	-6.18	16.71	16.64	16.86	18.32
	3 TX Slots	20.97	20.86	20.93	22.70	-4.42	16.55	16.44	16.51	18.28
	4 TX Slots	19.69	19.54	19.58	21.50	-3.17	16.52	16.37	16.41	18.33

GSM 850 Receiver on&Hotspot on										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	30.30	30.41	30.47	31.50	-9.19	21.11	21.22	21.28	22.31
GPRS/EGPRS (GMSK)	1 TX Slot	30.37	30.49	30.53	31.50	-9.19	21.18	21.3	21.34	22.31
	2 TX Slots	27.10	27.24	27.28	28.50	-6.18	20.92	21.06	21.1	22.32
	3 TX Slots	25.13	25.26	25.31	26.70	-4.42	20.71	20.84	20.89	22.28
	4 TX Slots	23.60	23.79	23.81	25.50	-3.17	20.43	20.62	20.64	22.33
EGPRS(8PSK)	1 TX Slot	26.16	26.04	26.28	27.50	-9.19	16.97	16.85	17.09	18.31
	2 TX Slots	22.89	22.82	23.04	24.50	-6.18	16.71	16.64	16.86	18.32
	3 TX Slots	20.97	20.86	20.93	22.70	-4.42	16.55	16.44	16.51	18.28
	4 TX Slots	19.69	19.54	19.58	21.50	-3.17	16.52	16.37	16.41	18.33

3.2 Conducted Power of WCDMA

WCDMA Band V Receiver on&Hotspot on					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	19.32	19.24	19.23	21.00
	12.2kbps AMR	19.30	19.22	19.20	21.00
HSDPA	Subtest 1	18.23	18.21	18.17	20.00
	Subtest 2	18.17	18.18	18.13	20.00
	Subtest 3	17.71	17.76	17.70	19.00
	Subtest 4	17.67	17.69	17.63	19.00
HSUPA	Subtest 1	16.29	16.37	16.26	18.00
	Subtest 2	16.28	16.35	16.30	18.00
	Subtest 3	17.35	17.25	17.18	19.00
	Subtest 4	15.94	15.88	15.81	17.00
	Subtest 5	17.19	17.20	17.09	18.00

WCDMA Band V Sensor on					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	21.20	21.21	21.31	23.00
	12.2kbps AMR	21.15	21.16	21.27	23.00
HSDPA	Subtest 1	20.31	20.35	20.32	22.00
	Subtest 2	20.34	20.38	20.30	22.00
	Subtest 3	19.87	19.92	19.85	21.00
	Subtest 4	19.84	19.88	19.80	21.00
HSUPA	Subtest 1	18.30	18.36	18.29	20.00
	Subtest 2	18.29	18.35	18.29	20.00
	Subtest 3	19.28	19.41	19.32	21.00
	Subtest 4	17.92	17.87	17.79	18.00
	Subtest 5	19.30	19.40	19.30	20.00

WCDMA Band V Full power					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	23.37	23.37	23.45	25.00
	12.2kbps AMR	23.35	23.3	23.42	25.00
HSDPA	Subtest 1	22.11	22.11	22.05	24.00
	Subtest 2	22.15	22.32	22.12	24.00
	Subtest 3	21.56	21.63	21.59	23.00
	Subtest 4	21.56	21.59	21.53	23.00
HSUPA	Subtest 1	20.17	20.27	20.11	22.00
	Subtest 2	20.14	20.25	20.17	22.00
	Subtest 3	21.21	21.13	21.04	23.00
	Subtest 4	19.83	19.73	19.68	21.00
	Subtest 5	21.06	21.07	20.96	22.00

3.3 Conducted Power of LTE

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	23.16	23.19	25.00
		1	2	23.25	23.19	23.48	25.00
		1	5	23.17	23.21	23.11	25.00
		3	0	23.29	23.41	23.3	25.00
		3	2	23.24	23.33	23.38	25.00
		3	3	23.3	23.41	23.41	25.00
		6	0	22.31	22.36	22.3	24.00
	16QAM	1	0	22.34	22.49	22.48	24.00
		1	2	22.72	22.8	22.12	24.00
		1	5	22.14	22.15	22.53	24.00
		3	0	22.32	22.38	22.34	24.00
		3	2	22.43	22.31	22.17	24.00
		3	3	22.31	22.32	22.35	24.00
		6	0	21.29	21.2	21.34	23.00
	64QAM	1	0	21.28	21.04	21.15	23.00
		1	2	21.16	21.16	21.46	23.00
		1	5	21.07	21.13	21.09	23.00
		3	0	21.27	21.30	21.27	23.00
		3	2	21.15	21.22	21.31	23.00
		3	3	21.21	21.30	21.30	23.00
		6	0	20.20	20.28	20.20	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.48	23.44	23.36	25.00
		1	7	23.34	23.43	23.22	25.00
		1	14	23.34	23.36	23.32	25.00
		8	0	22.33	22.3	22.28	24.00
		8	4	22.31	22.25	22.33	24.00
		8	7	22.27	22.3	22.28	24.00
		15	0	22.27	22.44	22.27	24.00
	16QAM	1	0	22.35	22.76	22.69	24.00
		1	7	22.84	22.57	22.42	24.00
		1	14	22.4	22.49	22.78	24.00
		8	0	21.33	21.31	21.29	23.00
		8	4	21.36	21.2	21.31	23.00
		8	7	21.46	21.41	21.29	23.00
		15	0	21.27	21.36	21.2	23.00
	64QAM	1	0	21.45	21.39	21.29	23.00
		1	7	21.31	21.35	21.10	23.00
		1	14	21.22	21.24	21.27	23.00
		8	0	20.23	20.21	20.18	22.00
		8	4	20.28	20.21	20.28	22.00
		8	7	20.26	20.27	20.24	22.00
		15	0	20.15	20.41	20.17	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.31	23.42	23.24	25.00

		1	13	23.24	23.33	23.36	25.00
		1	24	23.36	23.39	23.28	25.00
		12	0	22.38	22.35	22.38	24.00
		12	6	22.35	22.34	22.32	24.00
		12	13	22.32	22.34	22.35	24.00
		25	0	22.32	22.33	22.34	24.00
	16QAM	1	0	22.59	22.52	22.7	24.00
		1	13	22.65	22.76	22.09	24.00
		1	24	22.79	22.77	22.75	24.00
		12	0	21.25	21.35	21.28	23.00
		12	6	21.24	21.36	21.25	23.00
		12	13	21.28	21.21	21.34	23.00
	64QAM	25	0	21.3	21.34	21.38	23.00
		1	0	21.25	21.30	21.19	23.00
		1	13	21.13	21.22	21.33	23.00
		1	24	21.34	21.30	21.24	23.00
		12	0	20.31	20.23	20.32	22.00
		12	6	20.26	20.23	20.22	22.00
		12	13	20.26	20.31	20.31	22.00
		25	0	20.27	20.30	20.27	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.28	23.42	23.32	25.00
		1	25	23.28	23.44	23.28	25.00
		1	49	23.53	23.38	23.3	25.00
		25	0	22.28	22.2	22.3	24.00
		25	13	22.37	22.31	22.32	24.00
		25	25	22.38	22.38	22.32	24.00
	16QAM	50	0	22.35	22.34	22.4	24.00
		1	0	22.73	22.84	22.84	24.00
		1	25	22.59	23	22.62	24.00
		1	49	22.27	22.94	22.66	24.00
		25	0	21.39	21.15	21.23	23.00
		25	13	21.35	21.35	21.33	23.00
	64QAM	25	25	21.32	21.37	21.31	23.00
		50	0	21.28	21.36	21.34	23.00
		1	0	21.21	21.33	21.22	23.00
		1	25	21.22	21.39	21.17	23.00
		1	49	21.44	21.36	21.22	23.00
		25	0	20.18	20.10	20.24	22.00
		25	13	20.36	20.23	20.31	22.00
		25	25	20.27	20.28	20.20	22.00
		50	0	20.26	20.28	20.37	22.00



LTE Band 5 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	17.26	17.26	17.27	19.00
		1	2	17.28	17.36	17.36	19.00
		1	5	17.28	17.26	17.40	19.00
		3	0	17.20	17.22	17.18	19.00
		3	2	17.17	17.26	17.23	19.00
		3	3	17.41	17.21	17.10	19.00
		6	0	17.35	17.24	17.37	19.00
	16QAM	1	0	17.13	17.23	17.14	19.00
		1	2	17.16	17.35	17.18	19.00
		1	5	17.19	17.18	17.18	19.00
		3	0	17.35	17.20	17.21	19.00
		3	2	17.26	17.23	17.24	19.00
		3	3	17.30	17.26	17.10	19.00
		6	0	17.22	17.29	17.23	19.00
	64QAM	1	0	17.21	17.19	17.17	19.00
		1	2	17.19	17.33	17.24	19.00
		1	5	17.26	17.23	17.37	19.00
		3	0	17.19	17.14	17.07	19.00
		3	2	17.07	17.16	17.19	19.00
		3	3	17.29	17.16	17.03	19.00
		6	0	17.28	17.22	17.31	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	17.38	17.20	17.25	19.00
		1	7	17.22	17.25	17.21	19.00
		1	14	17.35	17.42	17.30	19.00
		8	0	17.27	17.13	17.17	19.00
		8	4	17.18	17.34	17.22	19.00
		8	7	17.39	17.17	17.09	19.00
		15	0	17.24	17.29	17.17	19.00
	16QAM	1	0	17.05	17.36	17.16	19.00
		1	7	17.21	17.34	17.19	19.00
		1	14	17.03	17.30	17.19	19.00
		8	0	17.34	17.19	17.29	19.00
		8	4	17.31	17.31	17.24	19.00
		8	7	17.31	17.14	17.16	19.00
		15	0	17.26	17.17	17.30	19.00
	64QAM	1	0	17.36	17.12	17.24	19.00
		1	7	17.17	17.22	17.20	19.00
		1	14	17.32	17.30	17.29	19.00
		8	0	17.20	17.10	17.11	19.00
		8	4	17.06	17.26	17.16	19.00
		8	7	17.38	17.15	17.02	19.00
		15	0	17.17	17.24	17.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	17.29	17.25	17.21	19.00
		1	13	17.37	17.27	17.28	19.00



		1	24	17.44	17.36	17.26	19.00
		12	0	17.18	17.19	17.21	19.00
		12	6	17.24	17.21	17.26	19.00
		12	13	17.39	17.17	17.22	19.00
		25	0	17.29	17.28	17.26	19.00
	16QAM	1	0	17.17	17.26	17.16	19.00
		1	13	17.03	17.23	17.08	19.00
		1	24	17.20	17.21	17.11	19.00
		12	0	17.34	17.24	17.22	19.00
		12	6	17.22	17.28	17.22	19.00
		12	13	17.39	17.31	17.11	19.00
		25	0	17.23	17.30	17.19	19.00
	64QAM	1	0	17.21	17.18	17.12	19.00
		1	13	17.31	17.24	17.19	19.00
		1	24	17.33	17.32	17.23	19.00
		12	0	17.15	17.15	17.09	19.00
		12	6	17.20	17.16	17.15	19.00
		12	13	17.27	17.16	17.15	19.00
		25	0	17.17	17.19	17.17	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	17.35	17.25	17.27	19.00
		1	25	17.32	17.38	17.26	19.00
		1	49	17.37	17.33	17.30	19.00
		25	0	17.27	17.30	17.22	19.00
		25	13	17.23	17.25	17.22	19.00
		25	25	17.30	17.25	17.17	19.00
		50	0	17.27	17.26	17.27	19.00
	16QAM	1	0	17.15	17.31	17.09	19.00
		1	25	17.11	17.27	17.13	19.00
		1	49	17.12	17.21	17.20	19.00
		25	0	17.35	17.25	17.21	19.00
		25	13	17.22	17.30	17.30	19.00
		25	25	17.34	17.24	17.17	19.00
		50	0	17.28	17.21	17.29	19.00
	64QAM	1	0	17.32	17.22	17.15	19.00
		1	25	17.29	17.37	17.20	19.00
		1	49	17.31	17.22	17.23	19.00
		25	0	17.23	17.26	17.11	19.00
		25	13	17.12	17.14	17.21	19.00
		25	25	17.31	17.13	17.07	19.00
		50	0	17.15	17.22	17.17	19.00

LTE Band 5 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	21.87	21.87	21.84	23.50
		1	2	21.70	21.94	21.84	23.50
		1	5	21.92	21.92	21.87	23.50
		3	0	21.85	21.93	21.89	23.50
		3	2	21.77	21.79	21.78	23.50
		3	3	21.82	21.86	21.97	23.50
		6	0	22.01	21.88	21.85	22.50
	16QAM	1	0	21.64	21.83	21.71	22.50
		1	2	22.00	21.63	21.73	22.50
		1	5	21.75	21.81	21.80	22.50
		3	0	21.84	21.66	21.85	22.50
		3	2	21.89	21.71	21.81	22.50
		3	3	21.77	21.72	21.75	22.50
		6	0	20.79	20.70	20.84	22.50
	64QAM	1	0	21.28	21.04	21.15	23.00
		1	2	21.16	21.16	21.46	23.00
		1	5	21.07	21.13	21.09	23.00
		3	0	21.27	21.30	21.27	23.00
		3	2	21.15	21.22	21.31	23.00
		3	3	21.21	21.30	21.30	23.00
		6	0	20.20	20.28	20.20	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	21.79	21.94	21.87	23.50
		1	7	21.85	21.94	21.81	23.50
		1	14	21.96	21.97	21.91	23.50
		8	0	21.81	21.77	21.85	22.50
		8	4	21.91	21.84	21.85	22.50
		8	7	21.85	21.85	21.92	22.50
		15	0	22.03	21.82	21.88	22.50
	16QAM	1	0	21.71	21.75	21.97	22.50
		1	7	21.98	21.77	21.85	22.50
		1	14	21.83	21.85	21.77	22.50
		8	0	20.83	20.81	20.79	22.50
		8	4	20.86	20.70	20.81	22.50
		8	7	20.96	20.91	20.79	22.50
		15	0	20.77	20.86	20.70	22.50
	64QAM	1	0	21.45	21.39	21.29	23.00
		1	7	21.31	21.35	21.10	23.00
		1	14	21.22	21.24	21.27	23.00
		8	0	20.23	20.21	20.18	22.00
		8	4	20.28	20.21	20.28	22.00
		8	7	20.26	20.27	20.24	22.00
		15	0	20.15	20.41	20.17	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	21.87	21.79	21.93	23.50
		1	13	21.70	21.75	21.76	23.50
		1	24	21.95	21.79	21.97	23.50
		12	0	21.85	21.91	21.92	22.50

		12	6	21.82	21.92	21.94	22.50
		12	13	21.82	21.92	21.84	22.50
		25	0	21.99	21.98	22.04	22.50
	16QAM	1	0	22.03	21.65	21.89	22.50
		1	13	21.77	21.83	21.85	22.50
		1	24	21.91	21.95	21.64	22.50
		12	0	20.75	20.85	20.78	22.50
		12	6	20.74	20.86	20.75	22.50
		12	13	20.78	20.71	20.84	22.50
		25	0	20.80	20.84	20.88	22.50
	64QAM	1	0	21.25	21.30	21.19	23.00
		1	13	21.13	21.22	21.33	23.00
		1	24	21.34	21.30	21.24	23.00
		12	0	20.31	20.23	20.32	22.00
		12	6	20.26	20.23	20.22	22.00
		12	13	20.26	20.31	20.31	22.00
		25	0	20.27	20.30	20.27	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 20450	Channel 20525	Channel 20600	Tune up
10MHz	QPSK	1	0	21.81	21.86	21.93	23.50
		1	25	21.76	22.00	21.76	23.50
		1	49	21.93	21.88	21.91	23.50
		25	0	21.89	21.97	21.86	22.50
		25	13	21.82	21.89	21.85	22.50
		25	25	21.91	21.90	21.88	22.50
		50	0	21.95	21.90	21.95	22.50
	16QAM	1	0	21.73	21.80	21.94	22.50
		1	25	21.68	21.76	21.81	22.50
		1	49	21.83	21.81	21.74	22.50
		25	0	20.89	20.65	20.73	22.50
		25	13	20.85	20.85	20.83	22.50
		25	25	20.82	20.87	20.81	22.50
		50	0	20.78	20.86	20.84	22.50
	64QAM	1	0	21.21	21.33	21.22	23.00
		1	25	21.22	21.39	21.17	23.00
		1	49	21.44	21.36	21.22	23.00
		25	0	20.18	20.10	20.24	22.00
		25	13	20.36	20.23	20.31	22.00
		25	25	20.27	20.28	20.20	22.00
		50	0	20.26	20.28	20.37	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	23.42	23.06	23.48	25.00
		1	2	23.33	23.25	23.16	25.00
		1	5	23.41	23.38	23.19	25.00
		3	0	23.47	23.44	23.25	25.00
		3	2	23.45	23.32	23.37	25.00
		3	3	23.37	23.31	23.32	25.00
		6	0	22.37	22.34	22.28	24.00
	16QAM	1	0	22.68	22.71	22.32	24.00
		1	2	23.18	22.95	22.59	24.00
		1	5	22.55	22.77	22.78	24.00
		3	0	22.37	22.05	22.33	24.00
		3	2	22.42	22.39	22.18	24.00
		3	3	22.11	22.35	22.36	24.00
		6	0	21.41	21.37	21.31	23.00
	64QAM	1	0	21.39	21.38	21.43	23.00
		1	2	21.22	21.17	21.11	23.00
		1	5	21.32	21.36	21.12	23.00
		3	0	21.37	21.33	21.20	23.00
		3	2	21.33	21.27	21.36	23.00
		3	3	21.31	21.23	21.29	23.00
		6	0	20.35	20.26	20.26	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.29	23.34	23.29	25.00
		1	7	23.34	23.4	23.26	25.00
		1	14	23.34	23.24	23.25	25.00
		8	0	22.36	22.27	22.34	24.00
		8	4	22.36	22.29	22.32	24.00
		8	7	22.28	22.25	22.25	24.00
		15	0	22.31	22.25	22.35	24.00
	16QAM	1	0	22.59	22.81	23.07	24.00
		1	7	23.05	22.74	22.55	24.00
		1	14	22.72	22.9	22.85	24.00
		8	0	21.41	21.37	21.35	23.00
		8	4	21.44	21.3	21.34	23.00
		8	7	21.33	21.39	21.36	23.00
		15	0	21.53	21.17	21.26	23.00
	64QAM	1	0	21.28	21.24	21.22	23.00
		1	7	21.30	21.39	21.14	23.00
		1	14	21.26	21.23	21.20	23.00
		8	0	20.28	20.26	20.26	22.00
		8	4	20.24	20.24	20.30	22.00
		8	7	20.16	20.13	20.23	22.00
		15	0	20.20	20.20	20.28	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.42	23.55	23.3	25.00
		1	13	23.32	23.35	23.3	25.00
		1	24	23.45	23.3	23.31	25.00
		12	0	22.29	22.37	22.27	24.00

		12	6	22.37	22.34	22.35	24.00
		12	13	22.35	22.27	22.23	24.00
		25	0	22.41	22.33	22.25	24.00
	16QAM	1	0	22.65	22.97	22.92	24.00
		1	13	22.31	22.31	22.61	24.00
		1	24	22.28	22.64	22.2	24.00
		12	0	21.32	21.34	21.25	23.00
		12	6	21.16	21.3	21.26	23.00
		12	13	21.38	21.18	21.26	23.00
		25	0	21.3	21.31	21.29	23.00
		1	0	21.33	21.47	21.27	23.00
	64QAM	1	13	21.29	21.27	21.28	23.00
		1	24	21.39	21.20	21.29	23.00
		12	0	20.20	20.28	20.26	22.00
		12	6	20.34	20.33	20.30	22.00
		12	13	20.34	20.26	20.14	22.00
		25	0	20.32	20.22	20.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.32	23.29	23.3	25.00
		1	25	23.51	23.52	23.51	25.00
		1	49	23.38	23.47	23.46	25.00
		25	0	22.27	22.47	22.46	24.00
		25	13	22.33	22.35	22.38	24.00
		25	25	22.25	22.28	22.42	24.00
		50	0	22.29	22.38	22.47	24.00
	16QAM	1	0	23.09	23.04	22.52	24.00
		1	25	22.96	22.86	22.64	24.00
		1	49	22.64	22.62	22.35	24.00
		25	0	21.21	21.33	21.42	23.00
		25	13	21.34	21.39	21.36	23.00
		25	25	21.16	21.16	21.46	23.00
		50	0	21.23	21.29	21.45	23.00
	64QAM	1	0	21.20	21.25	21.21	23.00
		1	25	21.46	21.46	21.46	23.00
		1	49	21.32	21.45	21.38	23.00
		25	0	20.20	20.44	20.40	22.00
		25	13	20.29	20.28	20.35	22.00
		25	25	20.22	20.27	20.37	22.00
		50	0	20.17	20.30	20.36	22.00

LTE Band 13 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	23.26	23.37	23.37	25.00
		1	13	23.32	23.28	23.32	25.00
		1	24	23.46	23.2	23.28	25.00
		12	0	22.18	22.28	22.23	24.00
		12	6	22.27	22.25	22.24	24.00
		12	13	22.26	22.16	22.19	24.00
		25	0	22.24	22.21	22.2	24.00
	16QAM	1	0	22.28	22.45	22.61	24.00
		1	13	22.4	22.38	22.66	24.00
		1	24	22.33	22.23	22.26	24.00
		12	0	21.02	21.21	21.24	23.00
		12	6	21.3	21.21	21.16	23.00
		12	13	21.1	21.19	21.08	23.00
		25	0	21.26	21.16	21.14	23.00
	64QAM	1	0	21.24	21.28	21.32	23.00
		1	13	21.20	21.20	21.28	23.00
		1	24	21.38	21.16	21.23	23.00
		12	0	20.13	20.16	20.12	22.00
		12	6	20.15	20.13	20.17	22.00
		12	13	20.21	20.05	20.10	22.00
		25	0	20.20	20.13	20.15	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23230	/	25.00
		1	25	/	23.43	/	25.00
		1	49	/	23.16	/	25.00
		25	0	/	22.22	/	24.00
		25	13	/	22.22	/	24.00
		25	25	/	22.20	/	24.00
		50	0	/	22.21	/	24.00
	16QAM	1	0	/	22.71	/	24.00
		1	25	/	22.31	/	24.00
		1	49	/	22.44	/	24.00
		25	0	/	21.21	/	23.00
		25	13	/	21.13	/	23.00
		25	25	/	21.15	/	23.00
		50	0	/	21.17	/	23.00
	64QAM	1	0	/	21.31	/	23.00
		1	25	/	21.40	/	23.00
		1	49	/	21.08	/	23.00
		25	0	/	20.19	/	22.00
		25	13	/	20.19	/	22.00
		25	25	/	20.16	/	22.00
		50	0	/	20.17	/	22.00

LTE Band 13 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	21.24	21.22	21.23	23.00
		1	13	21.3	21.23	21.26	23.00
		1	24	21.27	21.23	21.18	23.00
		12	0	21.18	21.24	21.28	23.00
		12	6	21.24	21.24	21.24	23.00
		12	13	21.27	21.22	21.19	23.00
		25	0	21.25	21.23	21.24	23.00
	16QAM	1	0	21.47	21.56	21.54	23.00
		1	13	21.57	21.52	21.56	23.00
		1	24	21.56	21.48	21.46	23.00
		12	0	21.17	21.22	21.26	23.00
		12	6	21.24	21.23	21.23	23.00
		12	13	21.2	21.19	21.15	23.00
		25	0	21.26	21.24	21.24	23.00
	64QAM	1	0	21.24	21.28	21.32	23.00
		1	13	21.20	21.20	21.28	23.00
		1	24	21.38	21.16	21.23	23.00
		12	0	20.13	20.16	20.12	22.00
		12	6	20.15	20.13	20.17	22.00
		12	13	20.21	20.05	20.10	22.00
		25	0	20.20	20.13	20.15	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23230	/	23.00
		1	25	/	21.56	/	23.00
		1	49	/	21.2	/	23.00
		25	0	/	21.23	/	23.00
		25	13	/	21.23	/	23.00
		25	25	/	21.16	/	23.00
		50	0	/	21.23	/	23.00
	16QAM	1	0	/	21.5	/	23.00
		1	25	/	21.55	/	23.00
		1	49	/	21.53	/	23.00
		25	0	/	21.15	/	23.00
		25	13	/	21.24	/	23.00
		25	25	/	21.2	/	23.00
		50	0	/	21.19	/	23.00
	64QAM	1	0	/	21.31	/	23.00
		1	25	/	21.40	/	23.00
		1	49	/	21.08	/	23.00
		25	0	/	20.19	/	22.00
		25	13	/	20.19	/	22.00
		25	25	/	20.16	/	22.00
		50	0	/	20.17	/	22.00



LTE Band 17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	23.33	23.25	23.4	25.00
		1	13	23.28	23.43	23.25	25.00
		1	24	23.36	23.33	23.53	25.00
		12	0	22.37	22.36	22.26	24.00
		12	6	22.29	22.3	22.33	24.00
		12	13	22.28	22.34	22.27	24.00
		25	0	22.33	22.39	22.24	24.00
	16QAM	1	0	22.87	22.53	23.09	24.00
		1	13	22.55	23.09	22.31	24.00
		1	24	23.05	23.11	22.9	24.00
		12	0	21.41	21.41	21.33	23.00
		12	6	21.16	21.32	21.36	23.00
		12	13	21.2	21.35	21.26	23.00
		25	0	21.22	21.26	21.24	23.00
	64QAM	1	0	21.30	21.14	21.35	23.00
		1	13	21.17	21.37	21.13	23.00
		1	24	21.26	21.29	21.48	23.00
		12	0	20.25	20.25	20.23	22.00
		12	6	20.28	20.22	20.28	22.00
		12	13	20.25	20.31	20.21	22.00
		25	0	20.26	20.34	20.16	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	23.29	23.37	23.37	25.00
		1	25	23.35	23.45	23.43	25.00
		1	49	23.31	23.41	23.39	25.00
		25	0	22.38	22.44	22.41	24.00
		25	13	22.33	22.39	22.40	24.00
		25	25	22.41	22.43	22.38	24.00
		50	0	22.46	22.47	22.47	24.00
	16QAM	1	0	22.62	22.41	22.41	24.00
		1	25	22.51	23.13	22.63	24.00
		1	49	23.14	22.47	23.10	24.00
		25	0	21.34	21.37	21.38	23.00
		25	13	21.31	21.23	21.39	23.00
		25	25	21.26	21.47	21.33	23.00
		50	0	21.31	21.35	21.38	23.00
	64QAM	1	0	21.17	21.33	21.28	23.00
		1	25	21.26	21.36	21.36	23.00
		1	49	21.28	21.32	21.36	23.00
		25	0	20.29	20.43	20.34	22.00
		25	13	20.27	20.29	20.37	22.00
		25	25	20.35	20.42	20.37	22.00
		50	0	20.34	20.38	20.43	22.00

LTE Band 26				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				26697	26865	27033		
1.4MHz	QPSK	1	0	23.21	23.15	23.42	25.00	
		1	2	23.41	23.57	23.43	25.00	
		1	5	23.2	23.36	23.45	25.00	
		3	0	23.36	23.19	23.22	25.00	
		3	2	23.2	23.26	23.29	25.00	
		3	3	23.26	23.3	23.23	25.00	
		6	0	22.26	22.33	22.22	24.00	
	16QAM	1	0	22.19	22.16	22.48	24.00	
		1	2	22.64	22.37	22.21	24.00	
		1	5	22.75	22.14	22.86	24.00	
		3	0	22.31	22.2	22.24	24.00	
		3	2	22.12	22.17	22.29	24.00	
		3	3	22.3	22.17	22.21	24.00	
		6	0	21.46	21.29	21.24	23.00	
	64QAM	1	0	21.16	21.12	21.35	23.00	
		1	2	21.35	21.48	21.35	23.00	
		1	5	21.18	21.26	21.35	23.00	
		3	0	21.27	21.07	21.18	23.00	
		3	2	21.19	21.15	21.27	23.00	
		3	3	21.14	21.23	21.15	23.00	
		6	0	20.18	20.25	20.17	22.00	
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					26705	26865	27025	
	3MHz	QPSK	1	0	23.23	23.21	23.24	25.00
1			7	23.41	23.53	23.3	25.00	
1			14	23.25	23.52	23.17	25.00	
8			0	22.25	22.25	22.24	24.00	
8			4	22.17	22.23	22.2	24.00	
8			7	22.28	22.28	22.23	24.00	
15			0	22.26	22.29	22.21	24.00	
16QAM		1	0	22.81	22.34	22.46	24.00	
		1	7	22.57	22.67	22.07	24.00	
		1	14	22.5	22.75	22.29	24.00	
		8	0	21.17	21.27	21.42	23.00	
		8	4	21.42	21.38	21.4	23.00	
		8	7	21.17	21.22	21.21	23.00	
		15	0	21.27	21.32	21.24	23.00	
64QAM		1	0	21.16	21.14	21.15	23.00	
		1	7	21.38	21.41	21.20	23.00	
		1	14	21.21	21.41	21.13	23.00	
		8	0	20.15	20.19	20.16	22.00	
		8	4	20.13	20.16	20.17	22.00	
		8	7	20.25	20.20	20.20	22.00	
		15	0	20.24	20.26	20.15	22.00	
Bandwidth		Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
					26715	26865	27015	
5MHz		QPSK	1	0	23.39	23.3	23.28	25.00
	1		13	23.36	23.41	23.15	25.00	
	1		24	23.37	23.42	23.39	25.00	
	12		0	22.23	22.27	22.3	24.00	

		12	6	22.28	22.25	22.2	24.00
		12	13	22.26	22.32	22.27	24.00
		25	0	22.29	22.3	22.3	24.00
	16QAM	1	0	22.72	22.48	22.21	24.00
		1	13	22.79	22.65	22.17	24.00
		1	24	22.78	22.54	22.58	24.00
		12	0	21.19	21.31	21.13	23.00
		12	6	21.3	21.23	21.26	23.00
		12	13	21.27	21.24	21.28	23.00
		25	0	21.19	21.25	21.28	23.00
	64QAM	1	0	21.36	21.22	21.19	23.00
		1	13	21.25	21.30	21.08	23.00
		1	24	21.30	21.37	21.38	23.00
		12	0	20.17	20.20	20.20	22.00
		12	6	20.20	20.13	20.15	22.00
		12	13	20.15	20.29	20.17	22.00
		25	0	20.17	20.27	20.20	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 26750	Channel 26865	Channel 26990	Tune up
10MHz	QPSK	1	0	23.45	23.14	23.14	25.00
		1	25	23.3	23.47	23.3	25.00
		1	49	23.26	23.44	23.2	25.00
		25	0	22.22	22.29	22.36	24.00
		25	13	22.28	22.27	22.26	24.00
		25	25	22.22	22.31	22.24	24.00
		50	0	22.26	22.31	22.29	24.00
	16QAM	1	0	22.49	22.38	22.4	24.00
		1	25	22.7	22.56	22.6	24.00
		1	49	22.29	22.2	22.45	24.00
		25	0	21.27	21.31	21.3	23.00
		25	13	21.16	21.3	21.22	23.00
		25	25	21.26	21.33	21.29	23.00
		50	0	21.17	21.28	21.28	23.00
	64QAM	1	0	21.44	21.04	21.07	23.00
		1	25	21.21	21.40	21.18	23.00
		1	49	21.20	21.35	21.10	23.00
		25	0	20.19	20.26	20.24	22.00
		25	13	20.27	20.16	20.23	22.00
		25	25	20.13	20.30	20.19	22.00
		50	0	20.20	20.19	20.28	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
15MHz	QPSK	1	0	23.48	23.23	23.14	25.00
		1	38	23.29	23.59	23.41	25.00
		1	74	23.12	23.19	23.05	25.00
		36	0	22.17	22.27	22.17	24.00
		36	18	22.21	22.22	22.23	24.00
		36	39	22.23	22.28	22.22	24.00
		75	0	22.19	22.34	22.19	24.00
	16QAM	1	0	22.31	22.1	22.41	24.00
		1	38	22.47	22.4	22.67	24.00
		1	74	22.37	22.81	22.32	24.00
		36	0	21.21	21.28	21.1	23.00
		36	18	21.22	21.25	21.14	23.00

		36	39	21.15	21.3	21.16	23.00
		75	0	21.19	21.32	21.12	23.00
	64QAM	1	0	21.41	21.16	21.07	23.00
		1	38	21.27	21.48	21.39	23.00
		1	74	21.03	21.12	21.01	23.00
		36	0	20.08	20.19	20.11	22.00
		36	18	20.17	20.12	20.20	22.00
		36	39	20.14	20.16	20.10	22.00
		75	0	20.10	20.32	20.07	22.00

LTE Band 26 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	20.21	20.23	20.15	22.00
		1	2	20.21	20.26	20.15	22.00
		1	5	20.17	20.21	20.13	22.00
		3	0	20.23	20.2	20.14	22.00
		3	2	20.16	20.23	20.2	22.00
		3	3	20.2	20.21	20.16	22.00
		6	0	20.24	20.23	20.19	22.00
	16QAM	1	0	20.54	20.54	20.47	22.00
		1	2	20.57	20.55	20.41	22.00
		1	5	20.54	20.44	20.51	22.00
		3	0	20.22	20.22	20.15	22.00
		3	2	20.24	20.21	20.15	22.00
		3	3	20.18	20.23	20.12	22.00
		6	0	20.33	20.29	20.25	22.00
	64QAM	1	0	20.13	20.15	20.07	22.00
		1	2	20.11	20.19	20.10	22.00
		1	5	20.13	20.14	20.10	22.00
		3	0	20.17	20.19	20.10	22.00
		3	2	20.06	20.22	20.18	22.00
		3	3	20.11	20.11	20.06	22.00
		6	0	20.23	20.20	20.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	20.24	20.2	20.08	22.00
		1	7	20.22	20.27	20.21	22.00
		1	14	20.21	20.28	20.23	22.00
		8	0	20.16	20.23	20.24	22.00
		8	4	20.26	20.23	20.22	22.00
		8	7	20.24	20.3	20.19	22.00
		15	0	20.15	20.23	20.23	22.00
	16QAM	1	0	20.57	20.45	20.45	22.00
		1	7	20.47	20.6	20.42	22.00
		1	14	20.58	20.55	20.6	22.00
		8	0	20.11	20.28	20.32	22.00
		8	4	20.26	20.24	20.22	22.00
		8	7	20.19	20.34	20.15	22.00
		15	0	20.21	20.26	20.26	22.00
	64QAM	1	0	20.20	20.12	20.15	22.00
		1	7	20.13	20.21	20.09	22.00

		1	14	20.13	20.27	20.16	22.00
		8	0	20.11	20.19	20.22	22.00
		8	4	20.20	20.22	20.10	22.00
		8	7	20.18	20.25	20.14	22.00
		15	0	20.09	20.21	20.16	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	20.27	20.28	20.21	22.00
		1	13	20.2	20.24	20.13	22.00
		1	24	20.27	20.27	20.24	22.00
		12	0	20.21	20.26	20.27	22.00
		12	6	20.21	20.24	20.18	22.00
		12	13	20.23	20.24	20.18	22.00
		25	0	20.25	20.28	20.24	22.00
	16QAM	1	0	20.54	20.53	20.46	22.00
		1	13	20.48	20.55	20.39	22.00
		1	24	20.57	20.62	20.57	22.00
		12	0	20.19	20.25	20.25	22.00
		12	6	20.25	20.23	20.17	22.00
		12	13	20.21	20.25	20.15	22.00
		25	0	20.25	20.28	20.22	22.00
	64QAM	1	0	20.23	20.25	20.17	22.00
		1	13	20.19	20.13	20.08	22.00
		1	24	20.26	20.24	20.22	22.00
		12	0	20.15	20.18	20.18	22.00
		12	6	20.11	20.16	20.10	22.00
		12	13	20.11	20.18	20.14	22.00
		25	0	20.20	20.17	20.13	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	20.22	20.21	20.13	22.00
		1	25	20.19	20.27	20.17	22.00
		1	49	20.24	20.24	20.18	22.00
		25	0	20.11	20.24	20.27	22.00
		25	13	20.22	20.26	20.23	22.00
		25	25	20.19	20.28	20.15	22.00
		50	0	20.18	20.26	20.25	22.00
	16QAM	1	0	20.53	20.47	20.45	22.00
		1	25	20.51	20.58	20.44	22.00
		1	49	20.56	20.55	20.57	22.00
		25	0	20.13	20.28	20.28	22.00
		25	13	20.24	20.26	20.22	22.00
		25	25	20.19	20.3	20.14	22.00
		50	0	20.21	20.28	20.24	22.00
	64QAM	1	0	20.21	20.20	20.01	22.00
		1	25	20.10	20.20	20.12	22.00
		1	49	20.23	20.13	20.16	22.00
		25	0	20.08	20.14	20.21	22.00
		25	13	20.11	20.25	20.21	22.00
		25	25	20.14	20.16	20.11	22.00
		50	0	20.16	20.16	20.13	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	20.19	20.21	20.1	22.00

		1	38	20.23	20.31	20.17	22.00
		1	74	20.23	20.26	20.17	22.00
		36	0	20.1	20.32	20.31	22.00
		36	18	20.27	20.27	20.22	22.00
		36	39	20.17	20.31	20.15	22.00
		75	0	20.22	20.31	20.22	22.00
	16QAM	1	0	20.53	20.42	20.45	22.00
		1	38	20.53	20.58	20.43	22.00
		1	74	20.55	20.52	20.55	22.00
		36	0	20.18	20.28	20.24	22.00
		36	18	20.22	20.26	20.23	22.00
		36	39	20.2	20.28	20.1	22.00
		75	0	20.26	20.29	20.25	22.00
	64QAM	1	0	20.15	20.09	20.01	22.00
		1	38	20.12	20.22	20.05	22.00
		1	74	20.22	20.24	20.17	22.00
		36	0	20.02	20.23	20.24	22.00
		36	18	20.21	20.22	20.21	22.00
		36	39	20.07	20.30	20.10	22.00
		75	0	20.13	20.29	20.11	22.00

LTE Band 26 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	21.23	21.24	21.15	23.00
		1	2	21.26	21.26	21.16	23.00
		1	5	21.19	21.27	21.16	23.00
		3	0	21.23	21.24	21.18	23.00
		3	2	21.25	21.25	21.22	23.00
		3	3	21.23	21.23	21.21	23.00
		6	0	21.26	21.26	21.23	23.00
	16QAM	1	0	21.5	21.52	21.36	23.00
		1	2	21.44	21.57	21.4	23.00
		1	5	21.44	21.54	21.51	23.00
		3	0	21.26	21.29	21.13	23.00
		3	2	21.25	21.27	21.21	23.00
		3	3	21.22	21.26	21.21	23.00
		6	0	21.3	21.34	21.28	23.00
	64QAM	1	0	21.16	21.12	21.35	23.00
		1	2	21.35	21.48	21.35	23.00
		1	5	21.18	21.26	21.35	23.00
		3	0	21.27	21.07	21.18	23.00
		3	2	21.19	21.15	21.27	23.00
		3	3	21.14	21.23	21.15	23.00
		6	0	20.18	20.25	20.17	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	21.21	21.19	21.18	23.00
		1	7	21.23	21.3	21.27	23.00
		1	14	21.22	21.28	21.18	23.00
		8	0	21.18	21.21	21.1	23.00
		8	4	21.28	21.17	21.19	23.00

		8	7	21.11	21.28	21.1	23.00
		15	0	21.12	21.31	21.17	23.00
	16QAM	1	0	21.44	21.4	21.45	23.00
		1	7	21.55	21.54	21.37	23.00
		1	14	21.44	21.49	21.54	23.00
		8	0	21.11	21.2	21.14	23.00
		8	4	21.24	21.2	21.16	23.00
		8	7	21.14	21.29	21.12	23.00
		15	0	21.12	21.25	21.18	23.00
	64QAM	1	0	21.16	21.14	21.15	23.00
		1	7	21.38	21.41	21.20	23.00
		1	14	21.21	21.41	21.13	23.00
		8	0	20.15	20.19	20.16	22.00
		8	4	20.13	20.16	20.17	22.00
		8	7	20.25	20.20	20.20	22.00
15		0	20.24	20.26	20.15	22.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	21.12	21.14	21.14	23.00
		1	13	21.18	21.37	21.18	23.00
		1	24	21.24	21.22	21.17	23.00
		12	0	21.12	21.21	21.18	23.00
		12	6	21.2	21.22	21.15	23.00
		12	13	21.2	21.22	21.08	23.00
		25	0	21.19	21.39	21.18	23.00
	16QAM	1	0	21.51	21.34	21.44	23.00
		1	13	21.47	21.48	21.44	23.00
		1	24	21.39	21.49	21.45	23.00
		12	0	21.1	21.3	21.13	23.00
		12	6	21.18	21.17	21.18	23.00
		12	13	21.14	21.27	21.17	23.00
		25	0	21.12	21.34	21.16	23.00
	64QAM	1	0	21.36	21.22	21.19	23.00
		1	13	21.25	21.30	21.08	23.00
		1	24	21.30	21.37	21.38	23.00
		12	0	20.17	20.20	20.20	22.00
		12	6	20.20	20.13	20.15	22.00
		12	13	20.15	20.29	20.17	22.00
25		0	20.17	20.27	20.20	22.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	21.15	21.17	21.11	23.00
		1	25	21.25	21.31	21.18	23.00
		1	49	21.18	21.2	21.24	23.00
		25	0	21.2	21.21	21.09	23.00
		25	13	21.29	21.17	21.2	23.00
		25	25	21.19	21.23	21.08	23.00
		50	0	21.1	21.37	21.2	23.00
	16QAM	1	0	21.43	21.42	21.47	23.00
		1	25	21.55	21.48	21.41	23.00
		1	49	21.4	21.54	21.52	23.00
		25	0	21.18	21.3	21.07	23.00
		25	13	21.23	21.22	21.19	23.00
		25	25	21.22	21.28	21.11	23.00

		50	0	21.16	21.28	21.12	23.00
	64QAM	1	0	21.44	21.04	21.07	23.00
		1	25	21.21	21.40	21.18	23.00
		1	49	21.20	21.35	21.10	23.00
		25	0	20.19	20.26	20.24	22.00
		25	13	20.27	20.16	20.23	22.00
		25	25	20.13	20.30	20.19	22.00
		50	0	20.20	20.19	20.28	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 26775	Channel 26865	Channel 26965	Tune up
15MHz	QPSK	1	0	21.17	21.17	21.15	23.00
		1	38	21.23	21.33	21.22	23.00
		1	74	21.23	21.24	21.20	23.00
		36	0	21.16	21.22	21.14	23.00
		36	18	21.20	21.21	21.20	23.00
		36	39	21.15	21.20	21.13	23.00
		75	0	21.15	21.34	21.19	23.00
	16QAM	1	0	21.47	21.37	21.43	23.00
		1	38	21.50	21.49	21.40	23.00
		1	74	21.43	21.54	21.49	23.00
		36	0	21.13	21.25	21.12	23.00
		36	18	21.23	21.20	21.19	23.00
		36	39	21.18	21.29	21.12	23.00
		75	0	21.13	21.30	21.15	23.00
	64QAM	1	0	21.41	21.16	21.07	23.00
		1	38	21.27	21.48	21.39	23.00
		1	74	21.03	21.12	21.01	23.00
		36	0	20.08	20.19	20.11	22.00
		36	18	20.17	20.12	20.20	22.00
		36	39	20.14	20.16	20.10	22.00
		75	0	20.10	20.32	20.07	22.00

4 Conducted Power of Main Antenna(Ant4)

4.1 Conducted Power of LTE

LTE Band 4 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.07	23.13	23.18	24.80
		1	2	23.28	23.28	23.1	24.80
		1	5	23.08	23.11	23.08	24.80
		3	0	23.08	23.13	23.16	24.80
		3	2	23.25	23.21	23.16	24.80
		3	3	23.23	23.29	23.09	24.80
		6	0	22.18	22.18	22.13	23.80
	16QAM	1	0	22.59	22.63	22.54	23.80
		1	2	22.65	22.64	22.04	23.80
		1	5	22.53	22.56	22.36	23.80
		3	0	22.28	22.34	22.16	23.80
		3	2	22.14	22.2	22.22	23.80
		3	3	22.24	22.27	22.18	23.80
		6	0	21.17	21.19	21.16	22.80
	64QAM	1	0	21.02	21.08	21.13	22.80
		1	2	21.21	21.27	21.09	22.80
		1	5	21.03	21.03	21.01	22.80
		3	0	21.05	21.03	21.14	22.80
		3	2	21.17	21.18	21.11	22.80
		3	3	21.15	21.26	21.02	22.80
		6	0	20.13	20.09	20.01	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.4	23.14	23.22	24.80
		1	7	23.37	23.23	23.26	24.80
		1	14	23.14	23.11	22.93	24.80
		8	0	22.19	22.11	22.25	23.80
		8	4	22.22	22.26	22.18	23.80
		8	7	22.19	22.14	22.06	23.80
		15	0	22.17	22.23	22.17	23.80
	16QAM	1	0	22.47	22.15	22.24	23.80
		1	7	22.62	22.51	22.26	23.80
		1	14	22.22	22.45	22.32	23.80
		8	0	21.12	21.12	21.11	22.80
		8	4	21.28	21.2	21.25	22.80
		8	7	21.16	21.08	21.02	22.80
		15	0	21.23	21.15	21.1	22.80
	64QAM	1	0	21.33	21.07	21.20	22.80
		1	7	21.35	21.22	21.24	22.80
		1	14	21.09	21.00	20.91	22.80
		8	0	20.15	19.99	20.17	21.80
		8	4	20.18	20.25	20.06	21.80
		8	7	20.14	20.05	20.00	21.80
		15	0	20.08	20.12	20.11	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.34	23.19	23.21	24.80

		1	13	23.29	23.3	23.24	24.80
		1	24	22.98	23.22	22.87	24.80
		12	0	22.17	22.08	22.23	23.80
		12	6	22.29	22.29	22.12	23.80
		12	13	22.12	22.16	22.1	23.80
		25	0	22.2	22.2	22.05	23.80
	16QAM	1	0	22.46	22.21	22.27	23.80
		1	13	22.63	22.65	22.19	23.80
		1	24	22.29	22.35	22.46	23.80
		12	0	21.17	21.1	21.19	22.80
		12	6	21.27	21.16	21.2	22.80
		12	13	21.07	21.15	20.99	22.80
	64QAM	25	0	21.17	21.01	21.13	22.80
		1	0	21.29	21.09	21.18	22.80
		1	13	21.26	21.28	21.17	22.80
		1	24	20.93	21.14	20.87	22.80
		12	0	20.05	20.03	20.13	21.80
		12	6	20.23	20.24	20.01	21.80
		12	13	20.04	20.13	19.98	21.80
		25	0	20.12	20.14	20.00	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.39	23.14	23.33	24.80
		1	25	23.32	23.19	23.23	24.80
		1	49	23.08	23.21	22.97	24.80
		25	0	22.11	22.09	22.19	23.80
		25	13	22.23	22.29	22.12	23.80
		25	25	22.13	22.26	22.14	23.80
	16QAM	50	0	22.09	22.19	22.21	23.80
		1	0	22.5	22.21	22.28	23.80
		1	25	22.71	22.57	22.22	23.80
		1	49	22.24	22.45	22.43	23.80
		25	0	21.03	21.17	21.15	22.80
		25	13	21.14	21.13	21.18	22.80
	64QAM	25	25	21.11	21.14	21.08	22.80
		50	0	21.08	21.11	21.09	22.80
		1	0	21.37	21.08	21.25	22.80
		1	25	21.22	21.12	21.21	22.80
		1	49	21.06	21.19	20.92	22.80
		25	0	20.01	20.01	20.14	21.80
		25	13	20.17	20.26	20.10	21.80
		25	25	20.07	20.21	20.06	21.80
		50	0	20.08	20.07	20.14	21.80
	16QAM	1	0	22.56	22.15	22.28	23.80
		1	38	22.67	22.5	22.16	23.80
	QPSK	1	0	23.43	23.19	23.37	24.80
		1	38	23.37	23.32	23.2	24.80
		1	74	23.11	23.22	22.92	24.80
		36	0	22.10	22.1	22.18	23.80
		36	18	22.22	22.26	22.19	23.80
		36	39	22.16	22.1	22.13	23.80
		75	0	22.19	22.18	22.15	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.43	23.19	23.37	24.80
		1	38	23.37	23.32	23.2	24.80
		1	74	23.11	23.22	22.92	24.80
		36	0	22.10	22.1	22.18	23.80
		36	18	22.22	22.26	22.19	23.80
		36	39	22.16	22.1	22.13	23.80
	16QAM	75	0	22.19	22.18	22.15	23.80
		1	0	22.56	22.15	22.28	23.80
		1	38	22.67	22.5	22.16	23.80

		1	74	22.22	22.43	22.43	23.80
		36	0	21.01	21.05	21.1	22.80
		36	18	21.25	21.2	21.14	22.80
		36	39	21.16	21.22	21.06	22.80
		75	0	21.17	21.11	21.14	22.80
	64QAM	1	0	21.32	21.12	21.26	22.80
		1	38	21.34	21.31	21.16	22.80
		1	74	20.99	21.17	20.91	22.80
		36	0	20.07	20.04	20.08	21.80
		36	18	20.13	20.23	20.13	21.80
		36	39	20.11	20.08	20.10	21.80
		75	0	20.13	20.11	20.12	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	23.34	23.16	23.29	24.80
		1	50	23.34	23.35	23.21	24.80
		1	99	23.06	23.15	22.95	24.80
		50	0	22.16	22.25	22.22	23.80
		50	25	22.24	22.22	22.16	23.80
		50	50	22.18	22.18	22.13	23.80
		100	0	22.13	22.16	22.13	23.80
	16QAM	1	0	22.48	22.15	22.3	23.80
		1	50	22.68	22.57	22.21	23.80
		1	99	22.3	22.43	22.4	23.80
		50	0	21.09	21.12	21.15	22.80
		50	25	21.21	21.17	21.18	22.80
		50	50	21.09	21.14	21.07	22.80
		100	0	21.16	21.07	21.11	22.80
	64QAM	1	0	21.30	21.11	21.26	22.80
		1	50	21.26	21.33	21.20	22.80
		1	99	20.96	21.05	20.88	22.80
		50	0	20.08	20.13	20.20	21.80
		50	25	20.12	20.20	20.15	21.80
		50	50	20.06	20.17	20.12	21.80
		100	0	20.11	20.06	20.06	21.80

LTE Band 4 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.29	22.38	22.3	23.80
		1	2	22.29	22.36	22.33	23.80
		1	5	22.32	22.37	22.29	23.80
		3	0	22.33	22.41	22.38	23.80
		3	2	22.33	22.37	22.38	23.80
		3	3	22.29	22.38	22.35	23.80
		6	0	22.35	22.41	22.39	23.80
	16QAM	1	0	22.44	22.58	22.55	23.80
		1	2	22.5	22.65	22.69	23.80
		1	5	22.48	22.63	22.61	23.80
		3	0	22.33	22.44	22.44	23.80
		3	2	22.35	22.38	22.42	23.80
		3	3	22.35	22.36	22.42	23.80

		6	0	21.34	21.48	21.46	22.80
	64QAM	1	0	21.02	21.08	21.13	22.80
		1	2	21.21	21.27	21.09	22.80
		1	5	21.03	21.03	21.01	22.80
		3	0	21.05	21.03	21.14	22.80
		3	2	21.17	21.18	21.11	22.80
		3	3	21.15	21.26	21.02	22.80
		6	0	20.13	20.09	20.01	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.4	22.27	22.35	23.80
		1	7	22.34	22.45	22.22	23.80
		1	14	22.23	22.24	22.3	23.80
		8	0	22.31	22.43	22.46	23.80
		8	4	22.32	22.43	22.49	23.80
		8	7	22.55	22.44	22.4	23.80
		15	0	22.29	22.27	22.51	23.80
	16QAM	1	0	22.4	22.41	22.51	23.80
		1	7	22.64	22.71	22.58	23.80
		1	14	22.48	22.37	22.42	23.80
		8	0	21.31	21.41	21.42	22.80
		8	4	21.37	21.48	21.31	22.80
		8	7	21.39	21.29	21.34	22.80
		15	0	21.38	21.34	21.34	22.80
	64QAM	1	0	21.33	21.07	21.20	22.80
		1	7	21.35	21.22	21.24	22.80
		1	14	21.09	21.00	20.91	22.80
		8	0	20.15	19.99	20.17	21.80
		8	4	20.18	20.25	20.06	21.80
		8	7	20.14	20.05	20.00	21.80
		15	0	20.08	20.12	20.11	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.24	22.39	22.25	23.80
		1	13	22.32	22.38	22.34	23.80
		1	24	22.3	22.24	22.23	23.80
		12	0	22.23	22.33	22.42	23.80
		12	6	22.43	22.47	22.38	23.80
		12	13	22.52	22.27	22.35	23.80
		25	0	22.36	22.32	22.43	23.80
	16QAM	1	0	22.38	22.57	22.54	23.80
		1	13	22.65	22.7	22.66	23.80
		1	24	22.52	22.41	22.49	23.80
		12	0	21.28	21.27	21.5	22.80
		12	6	21.37	21.38	21.4	22.80
		12	13	21.46	21.33	21.25	22.80
		25	0	21.28	21.41	21.35	22.80
	64QAM	1	0	21.29	21.09	21.18	22.80
		1	13	21.26	21.28	21.17	22.80
		1	24	20.93	21.14	20.87	22.80
		12	0	20.05	20.03	20.13	21.80
		12	6	20.23	20.24	20.01	21.80
		12	13	20.04	20.13	19.98	21.80
		25	0	20.12	20.14	20.00	21.80

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.21	22.32	22.37	23.80
		1	25	22.34	22.36	22.24	23.80
		1	49	22.35	22.32	22.23	23.80
		25	0	22.21	22.3	22.56	23.80
		25	13	22.4	22.52	22.34	23.80
		25	25	22.39	22.25	22.37	23.80
		50	0	22.39	22.36	22.34	23.80
	16QAM	1	0	22.44	22.61	22.65	23.80
		1	25	22.59	22.66	22.67	23.80
		1	49	22.51	22.43	22.47	23.80
		25	0	21.24	21.29	21.48	22.80
		25	13	21.33	21.44	21.44	22.80
		25	25	21.47	21.26	21.25	22.80
		50	0	21.32	21.43	21.37	22.80
	64QAM	1	0	21.37	21.08	21.25	22.80
		1	25	21.22	21.12	21.21	22.80
		1	49	21.06	21.19	20.92	22.80
		25	0	20.01	20.01	20.14	21.80
		25	13	20.17	20.26	20.10	21.80
		25	25	20.07	20.21	20.06	21.80
		50	0	20.08	20.07	20.14	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.26	22.45	22.37	23.80
		1	38	22.30	22.39	22.23	23.80
		1	74	22.37	22.3	22.19	23.80
		36	0	22.16	22.36	22.59	23.80
		36	18	22.43	22.37	22.45	23.80
		36	39	22.38	22.44	22.29	23.80
		75	0	22.25	22.36	22.52	23.80
	16QAM	1	0	22.51	22.52	22.65	23.80
		1	38	22.52	22.67	22.55	23.80
		1	74	22.46	22.4	22.4	23.80
		36	0	21.25	21.33	21.46	22.80
		36	18	21.29	21.33	21.48	22.80
		36	39	21.38	21.4	21.44	22.80
		75	0	21.28	21.23	21.5	22.80
	64QAM	1	0	21.32	21.12	21.26	22.80
		1	38	21.34	21.31	21.16	22.80
		1	74	20.99	21.17	20.91	22.80
		36	0	20.07	20.04	20.08	21.80
		36	18	20.13	20.23	20.13	21.80
		36	39	20.11	20.08	20.10	21.80
		75	0	20.13	20.11	20.12	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	22.3	22.35	22.33	23.80
		1	50	22.34	22.39	22.32	23.80
		1	99	22.3	22.27	22.22	23.80
		50	0	22.24	22.37	22.49	23.80
		50	25	22.4	22.43	22.41	23.80
		50	50	22.45	22.34	22.36	23.80

		100	0	22.34	22.36	22.43	23.80
	16QAM	1	0	22.48	22.51	22.56	23.80
		1	50	22.58	22.61	22.6	23.80
		1	99	22.51	22.45	22.44	23.80
		50	0	21.21	21.35	21.5	22.80
		50	25	21.39	21.43	21.41	22.80
		50	50	21.41	21.34	21.34	22.80
		100	0	21.34	21.33	21.42	22.80
		1	0	21.30	21.11	21.26	22.80
	64QAM	1	50	21.26	21.33	21.20	22.80
		1	99	20.96	21.05	20.88	22.80
		50	0	20.08	20.13	20.20	21.80
		50	25	20.12	20.20	20.15	21.80
		50	50	20.06	20.17	20.12	21.80
		100	0	20.11	20.06	20.06	21.80

LTE Band 4 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	18.26	18.17	18.2	19.80
		1	2	18.21	18.31	18.2	19.80
		1	5	18.09	18.16	17.96	19.80
		3	0	18.19	18.38	18.29	19.80
		3	2	18.28	18.3	18.28	19.80
		3	3	18.2	18.28	18.3	19.80
		6	0	18.33	18.18	18.32	19.80
		1	0	18.48	18.54	18.49	19.80
	16QAM	1	2	18.43	18.51	18.49	19.80
		1	5	18.43	18.44	18.3	19.80
		3	0	18.26	18.34	18.24	19.80
		3	2	18.3	18.26	18.31	19.80
		3	3	18.28	18.36	18.34	19.80
		6	0	18.21	18.35	18.34	19.80
		1	0	18.16	18.09	18.19	19.80
		1	2	18.09	18.28	18.12	19.80
	64QAM	1	5	18.08	18.13	17.94	19.80
		3	0	18.10	18.30	18.27	19.80
		3	2	18.19	18.18	18.23	19.80
		3	3	18.12	18.24	18.22	19.80
		6	0	18.22	18.11	18.23	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	18.38	18.16	18.15	19.80
		1	7	18.24	18.39	18.17	19.80
		1	14	18.1	18.11	18.03	19.80
		8	0	18.21	18.24	18.23	19.80
		8	4	18.34	18.33	18.24	19.80
		8	7	18.32	18.28	18.28	19.80
		15	0	18.27	18.23	18.15	19.80
		1	0	18.49	18.46	18.53	19.80
	16QAM	1	7	18.47	18.66	18.5	19.80
		1	14	18.38	18.47	18.32	19.80

		8	0	18.2	18.2	18.25	19.80
		8	4	18.43	18.33	18.32	19.80
		8	7	18.16	18.3	18.19	19.80
		15	0	18.28	18.37	18.34	19.80
	64QAM	1	0	18.36	18.07	18.03	19.80
		1	7	18.16	18.28	18.15	19.80
		1	14	18.09	18.06	17.93	19.80
		8	0	18.20	18.15	18.15	19.80
		8	4	18.30	18.28	18.16	19.80
		8	7	18.26	18.24	18.18	19.80
		15	0	18.20	18.16	18.12	19.80
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	18.36	18.17	18.28	19.80
		1	13	18.3	18.31	18.17	19.80
		1	24	18.26	18.07	18.1	19.80
		12	0	18.14	18.23	18.3	19.80
		12	6	18.36	18.32	18.24	19.80
		12	13	18.23	18.28	18.2	19.80
		25	0	18.15	18.34	18.21	19.80
	16QAM	1	0	18.56	18.58	18.57	19.80
		1	13	18.57	18.57	18.44	19.80
		1	24	18.34	18.48	18.35	19.80
		12	0	18.21	18.3	18.39	19.80
		12	6	18.28	18.41	18.28	19.80
		12	13	18.17	18.17	18.32	19.80
		25	0	18.2	18.23	18.22	19.80
	64QAM	1	0	18.24	18.11	18.20	19.80
		1	13	18.21	18.19	18.08	19.80
		1	24	18.15	17.99	18.04	19.80
		12	0	18.03	18.13	18.19	19.80
		12	6	18.34	18.26	18.23	19.80
		12	13	18.13	18.20	18.13	19.80
		25	0	18.07	18.26	18.09	19.80
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	18.31	18.16	18.27	19.80
		1	25	18.3	18.28	18.19	19.80
		1	49	18.25	18.2	18.09	19.80
		25	0	18.18	18.21	18.34	19.80
		25	13	18.24	18.35	18.17	19.80
		25	25	18.39	18.34	18.18	19.80
		50	0	18.18	18.3	18.34	19.80
	16QAM	1	0	18.48	18.38	18.62	19.80
		1	25	18.56	18.69	18.37	19.80
		1	49	18.45	18.37	18.3	19.80
		25	0	18.14	18.37	18.3	19.80
		25	13	18.4	18.25	18.35	19.80
		25	25	18.23	18.17	18.36	19.80
		50	0	18.21	18.31	18.19	19.80
	64QAM	1	0	18.27	18.04	18.19	19.80
		1	25	18.22	18.18	18.11	19.80
		1	49	18.14	18.19	18.00	19.80
		25	0	18.12	18.14	18.26	19.80

		25	13	18.18	18.31	18.07	19.80
		25	25	18.31	18.28	18.10	19.80
		50	0	18.14	18.23	18.32	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	18.19	18.2	18.21	19.80
		1	38	18.32	18.4	18.21	19.80
		1	74	18.25	18.01	18.12	19.80
		36	0	18.32	18.21	18.32	19.80
		36	18	18.30	18.34	18.19	19.80
		36	39	18.38	18.15	18.24	19.80
		75	0	18.25	18.3	18.33	19.80
	16QAM	1	0	18.52	18.53	18.48	19.80
		1	38	18.62	18.57	18.5	19.80
		1	74	18.44	18.33	18.36	19.80
		36	0	18.14	18.19	18.23	19.80
		36	18	18.24	18.26	18.23	19.80
		36	39	18.19	18.25	18.23	19.80
		75	0	18.25	18.22	18.32	19.80
	64QAM	1	0	18.17	18.13	18.14	19.80
		1	38	18.26	18.36	18.16	19.80
		1	74	18.13	17.95	18.10	19.80
		36	0	18.31	18.20	18.22	19.80
		36	18	18.25	18.32	18.09	19.80
		36	39	18.29	18.07	18.18	19.80
		75	0	18.21	18.26	18.30	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	18.28	18.19	18.2	19.80
		1	50	18.29	18.32	18.23	19.80
		1	99	18.18	18.1	18.06	19.80
		50	0	18.23	18.34	18.27	19.80
		50	25	18.33	18.31	18.25	19.80
		50	50	18.3	18.24	18.23	19.80
		100	0	18.25	18.27	18.24	19.80
	16QAM	1	0	18.52	18.48	18.52	19.80
		1	50	18.53	18.6	18.47	19.80
		1	99	18.43	18.39	18.35	19.80
		50	0	18.24	18.29	18.3	19.80
		50	25	18.33	18.33	18.28	19.80
		50	50	18.24	18.26	18.26	19.80
		100	0	18.27	18.28	18.24	19.80
	64QAM	1	0	18.25	18.08	18.16	19.80
		1	50	18.26	18.31	18.21	19.80
		1	99	18.10	18.07	17.94	19.80
		50	0	18.19	18.30	18.25	19.80
		50	25	18.22	18.29	18.17	19.80
		50	50	18.20	18.15	18.21	19.80
		100	0	18.18	18.20	18.16	19.80

LTE Band 7 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	22.90	22.89	22.90	24.80
		1	13	22.81	23.01	23.32	24.80
		1	24	22.84	23.00	23.34	24.80
		12	0	21.87	22.00	22.12	23.80
		12	6	21.86	21.98	22.08	23.80
		12	13	22.09	22.09	22.16	23.80
		25	0	21.94	22.04	22.13	23.80
		25	0	21.94	22.04	22.13	23.80
	16QAM	1	0	21.85	22.01	21.90	23.80
		1	13	21.83	22.20	21.88	23.80
		1	24	22.32	22.53	22.47	23.80
		12	0	20.89	20.91	21.07	22.80
		12	6	20.92	21.09	21.13	22.80
		12	13	20.97	21.08	21.16	22.80
		25	0	20.80	20.95	21.19	22.80
		25	0	20.80	20.95	21.19	22.80
	64QAM	1	0	20.83	20.88	20.89	22.80
		1	13	20.89	20.90	21.28	22.80
		1	24	20.87	20.93	21.31	22.80
		12	0	19.80	19.94	20.02	21.80
		12	6	19.87	19.91	20.00	21.80
		12	13	20.01	20.01	20.08	21.80
		25	0	19.84	19.96	20.06	21.80
		25	0	19.84	19.96	20.06	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	22.90	22.90	23.01	24.80
		1	25	22.88	23.05	23.22	24.80
		1	49	22.88	22.90	23.27	24.80
		25	0	21.83	22.03	22.07	23.80
		25	13	21.94	22.06	22.13	23.80
		25	25	22.05	22.11	22.13	23.80
		50	0	21.93	22.12	22.05	23.80
		50	0	21.93	22.12	22.05	23.80
	16QAM	1	0	21.82	22.04	21.90	23.80
		1	25	21.80	22.21	21.99	23.80
		1	49	22.42	22.51	22.43	23.80
		25	0	20.94	20.86	21.07	22.80
		25	13	20.94	21.05	21.16	22.80
		25	25	20.98	21.01	21.15	22.80
		50	0	20.89	21.05	21.15	22.80
		50	0	20.89	21.05	21.15	22.80
	64QAM	1	0	20.80	20.87	20.94	22.80
		1	25	20.86	20.95	21.16	22.80
		1	49	20.82	20.87	21.22	22.80
		25	0	19.84	19.92	20.01	21.80
		25	13	19.93	19.98	20.09	21.80
		25	25	20.03	20.05	20.10	21.80
		50	0	19.86	20.01	19.95	21.80
		50	0	19.86	20.01	19.95	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	22.82	22.80	23.04	24.80

		1	38	22.91	23.15	23.39	24.80
		1	74	22.90	22.92	23.39	24.80
		36	0	21.85	21.93	22.16	23.80
		36	18	21.95	22.00	22.15	23.80
		36	39	22.11	22.09	22.14	23.80
		75	0	21.88	21.99	22.16	23.80
	16QAM	1	0	21.84	22.09	21.90	23.80
		1	38	21.80	22.35	21.97	23.80
		1	74	22.37	22.48	22.47	23.80
		36	0	20.92	20.90	21.14	22.80
		36	18	20.91	21.04	21.16	22.80
		36	39	21.05	21.03	21.12	22.80
		75	0	20.85	20.99	21.20	22.80
	64QAM	1	0	20.81	20.83	20.96	22.80
		1	38	20.83	21.06	21.36	22.80
		1	74	20.85	20.86	21.32	22.80
		36	0	19.83	19.83	20.09	21.80
		36	18	19.89	19.98	20.11	21.80
		36	39	20.07	20.04	20.07	21.80
		75	0	19.81	19.88	20.09	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.87	22.85	22.98	24.80
		1	50	22.89	23.05	23.3	24.80
		1	99	22.87	22.95	23.34	24.80
		50	0	21.8	21.98	22.09	23.80
		50	25	21.89	21.98	22.15	23.80
		50	50	22.01	22.03	22.18	23.80
		100	0	21.92	22.05	22.09	23.80
	16QAM	1	0	21.8	22.05	21.91	23.80
		1	50	21.83	22.27	21.95	23.80
		1	99	22.38	22.5	22.5	23.80
		50	0	20.91	20.93	21.07	22.80
		50	25	20.89	21.08	21.15	22.80
		50	50	20.97	21.04	21.12	22.80
		100	0	20.86	21.01	21.2	22.80
	64QAM	1	0	20.85	20.82	20.89	22.80
		1	50	20.88	20.93	21.28	22.80
		1	99	20.87	20.83	21.33	22.80
		50	0	19.87	19.88	20.04	21.80
		50	25	19.86	19.87	20.06	21.80
		50	50	20.00	19.92	20.15	21.80
		100	0	19.80	20.02	20.01	21.80

LTE Band 7 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.92	21.93	22.06	23.80
		1	13	22.14	22.14	22.07	23.80
		1	24	21.96	22.19	22.17	23.80
		12	0	22.03	22.19	22.07	23.80
		12	6	22.09	22.20	22.09	23.80
		12	13	22.15	22.17	22.09	23.80
		25	0	22.16	22.16	22.13	23.80
	16QAM	1	0	22.04	22.22	22.22	23.80
		1	13	22.32	22.44	22.42	23.80
		1	24	22.39	22.38	22.26	23.80
		12	0	20.89	21.06	21.13	22.80
		12	6	21.05	21.14	21.18	22.80
		12	13	21.22	21.28	21.06	22.80
		25	0	21.06	21.19	21.04	22.80
	64QAM	1	0	20.83	20.88	20.89	22.80
		1	13	20.89	20.90	21.28	22.80
		1	24	20.87	20.93	21.31	22.80
		12	0	19.80	19.94	20.02	21.80
		12	6	19.87	19.91	20.00	21.80
		12	13	20.01	20.01	20.08	21.80
		25	0	19.84	19.96	20.06	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	21.97	21.98	22.01	23.80
		1	25	22.01	22.02	22.13	23.80
		1	49	22.15	22.27	22.18	23.80
		25	0	21.94	22.13	22.15	23.80
		25	13	21.98	22.12	22.13	23.80
		25	25	22.10	22.21	22.20	23.80
		50	0	22.08	22.20	22.21	23.80
	16QAM	1	0	21.98	22.14	22.10	23.80
		1	25	22.31	22.31	22.42	23.80
		1	49	22.28	22.40	22.27	23.80
		25	0	20.96	21.10	21.12	22.80
		25	13	21.19	21.23	21.25	22.80
		25	25	21.13	21.22	21.09	22.80
		50	0	21.05	21.17	21.12	22.80
	64QAM	1	0	20.80	20.87	20.94	22.80
		1	25	20.86	20.95	21.16	22.80
		1	49	20.82	20.87	21.22	22.80
		25	0	19.84	19.92	20.01	21.80
		25	13	19.93	19.98	20.09	21.80
		25	25	20.03	20.05	20.10	21.80
		50	0	19.86	20.01	19.95	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.86	21.83	22.09	23.80
		1	38	22.01	22.01	22.11	23.80
		1	74	22.10	22.21	22.29	23.80
		36	0	21.99	22.13	22.21	23.80

		36	18	22.10	22.16	22.27	23.80
		36	39	22.11	22.10	22.04	23.80
		75	0	22.02	22.24	22.23	23.80
	16QAM	1	0	22.10	22.03	22.14	23.80
		1	38	22.33	22.29	22.24	23.80
		1	74	22.23	22.46	22.25	23.80
		36	0	21.00	21.22	21.23	22.80
		36	18	21.11	21.24	21.17	22.80
		36	39	21.24	21.09	21.23	22.80
		75	0	21.01	21.19	21.19	22.80
	64QAM	1	0	20.81	20.83	20.96	22.80
		1	38	20.83	21.06	21.36	22.80
		1	74	20.85	20.86	21.32	22.80
		36	0	19.83	19.83	20.09	21.80
		36	18	19.89	19.98	20.11	21.80
		36	39	20.07	20.04	20.07	21.80
		75	0	19.81	19.88	20.09	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	21.86	21.88	22.02	23.80
		1	50	22.11	22.11	22.12	23.80
		1	99	22.05	22.18	22.21	23.80
		50	0	21.99	22.14	22.16	23.80
		50	25	22.06	22.16	22.19	23.80
		50	50	22.17	22.15	22.14	23.80
		100	0	22.07	22.16	22.14	23.80
	16QAM	1	0	22.04	22.13	22.14	23.80
		1	50	22.33	22.39	22.34	23.80
		1	99	22.29	22.44	22.34	23.80
		50	0	20.99	21.13	21.13	22.80
		50	25	21.1	21.16	21.15	22.80
		50	50	21.15	21.18	21.13	22.80
		100	0	21.09	21.15	21.12	22.80
	64QAM	1	0	20.85	20.82	20.89	22.80
		1	50	20.88	20.93	21.28	22.80
		1	99	20.87	20.83	21.33	22.80
		50	0	19.87	19.88	20.04	21.80
		50	25	19.86	19.87	20.06	21.80
		50	50	20.00	19.92	20.15	21.80
		100	0	19.80	20.02	20.01	21.80

LTE Band 7 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	13.81	13.82	14.01	15.80
		1	13	13.95	14.00	13.99	15.80
		1	24	14.16	14.15	14.09	15.80
		12	0	13.87	13.90	13.90	15.80
		12	6	13.97	14.06	14.11	15.80
		12	13	13.96	14.03	13.97	15.80
		25	0	14.01	14.11	14.19	15.80
	16QAM	1	0	13.93	13.96	14.06	15.80
		1	13	13.84	14.00	13.80	15.80
		1	24	13.82	13.86	13.94	15.80
		12	0	13.87	13.85	13.93	15.80
		12	6	13.82	13.87	13.87	15.80
		12	13	13.97	13.99	13.99	15.80
		25	0	13.97	14.02	14.06	15.80
	64QAM	1	0	13.82	13.87	13.96	15.80
		1	13	13.94	13.90	13.95	15.80
		1	24	14.07	14.13	14.08	15.80
		12	0	13.86	13.84	13.83	15.80
		12	6	13.90	13.96	14.05	15.80
		12	13	13.86	13.93	13.92	15.80
		25	0	13.93	14.04	14.15	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	13.87	13.91	13.84	15.80
		1	25	13.90	13.99	13.94	15.80
		1	49	14.01	13.98	14.06	15.80
		25	0	13.90	13.88	13.81	15.80
		25	13	13.90	13.88	13.97	15.80
		25	25	14.04	14.12	14.07	15.80
		50	0	13.90	13.97	13.98	15.80
	16QAM	1	0	13.82	13.98	13.93	15.80
		1	25	13.84	13.90	13.94	15.80
		1	49	13.89	13.80	13.84	15.80
		25	0	13.91	13.92	13.98	15.80
		25	13	13.82	13.87	13.86	15.80
		25	25	13.87	13.81	13.80	15.80
		50	0	14.00	13.98	13.97	15.80
	64QAM	1	0	23.89	13.89	13.82	15.80
		1	25	23.89	13.97	13.84	15.80
		1	49	13.98	13.89	13.96	15.80
		25	0	13.88	13.81	13.80	15.80
		25	13	13.80	13.81	13.88	15.80
		25	25	13.99	14.07	14.04	15.80
		50	0	13.80	13.85	13.89	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	13.82	13.91	13.88	15.80
		1	38	14.01	14.09	14.15	15.80

		1	74	14.01	14.00	14.07	15.80
		36	0	13.85	13.85	13.84	15.80
		36	18	13.88	13.93	14.02	15.80
		36	39	14.12	14.22	14.22	15.80
		75	0	13.93	13.87	13.86	15.80
	16QAM	1	0	13.92	13.98	13.90	15.80
		1	38	13.94	13.85	13.86	15.80
		1	74	13.94	13.92	13.91	15.80
		36	0	13.89	13.92	13.98	15.80
		36	18	13.81	13.81	13.89	15.80
		36	39	13.87	13.93	13.99	15.80
		75	0	13.96	14.01	14.00	15.80
	64QAM	1	0	13.83	13.90	13.89	15.80
		1	38	13.95	14.01	14.10	15.80
		1	74	13.96	13.89	13.98	15.80
		36	0	13.85	13.85	13.82	15.80
		36	18	13.89	13.87	14.01	15.80
		36	39	14.05	14.16	14.12	15.80
		75	0	13.91	13.85	13.87	15.80
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	13.91	13.94	13.87	15.80
		1	50	14.04	13.99	13.94	15.80
		1	99	13.94	14.04	14.07	15.80
		50	0	13.92	13.86	13.92	15.80
		50	25	13.92	13.85	13.89	15.80
		50	50	13.83	13.92	13.92	15.80
		100	0	13.81	13.88	13.93	15.80
	16QAM	1	0	13.85	13.81	13.88	15.80
		1	50	13.85	13.85	13.90	15.80
		1	99	13.88	13.92	13.84	15.80
		50	0	13.81	13.86	13.89	15.80
		50	25	13.89	13.84	13.81	15.80
		50	50	13.85	13.88	13.95	15.80
		100	0	13.97	14.01	14.02	15.80
	64QAM	1	0	13.87	13.85	13.82	15.80
		1	50	13.99	13.95	13.88	15.80
		1	99	13.92	13.98	14.01	15.80
		50	0	13.86	13.82	13.91	15.80
		50	25	13.91	13.83	13.87	15.80
		50	50	13.87	13.87	14.00	15.80
		100	0	13.81	13.86	13.83	15.80

LTE Band 38 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.14	23.06	23.00	24.80
		1	13	23.10	23.22	23.17	24.80
		1	24	23.17	23.08	23.09	24.80
		12	0	22.09	22.16	22.10	23.80
		12	6	22.22	22.21	22.22	23.80
		12	13	22.20	22.11	22.05	23.80
		25	0	22.08	22.14	22.16	23.80
	16QAM	1	0	22.01	22.05	22.08	23.80
		1	13	22.29	22.09	22.14	23.80
		1	24	22.20	22.02	22.00	23.80
		12	0	21.14	21.14	21.08	22.80
		12	6	21.04	21.20	21.20	22.80
		12	13	21.17	21.09	21.18	22.80
		25	0	21.06	21.10	21.17	22.80
	64QAM	1	0	21.13	21.02	20.88	22.80
		1	13	21.01	21.13	21.05	22.80
		1	24	21.16	21.02	21.08	22.80
		12	0	20.05	20.10	20.02	21.80
		12	6	20.13	20.19	20.11	21.80
		12	13	20.13	19.99	20.01	21.80
		25	0	19.97	20.08	20.11	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.09	23.06	23.07	24.80
		1	25	23.13	23.26	23.19	24.80
		1	49	23.10	23.16	23.00	24.80
		25	0	22.06	22.15	22.18	23.80
		25	13	22.19	22.21	22.27	23.80
		25	25	22.09	22.20	22.00	23.80
		50	0	22.11	22.06	22.14	23.80
	16QAM	1	0	21.97	21.93	22.11	23.80
		1	25	22.17	22.05	22.14	23.80
		1	49	22.12	22.01	22.01	23.80
		25	0	21.12	21.13	21.10	22.80
		25	13	21.11	21.14	21.11	22.80
		25	25	21.11	21.10	21.10	22.80
		50	0	21.07	21.09	21.16	22.80
	64QAM	1	0	21.00	20.96	21.01	22.80
		1	25	21.07	21.20	21.14	22.80
		1	49	21.01	21.04	20.92	22.80
		25	0	20.03	20.04	20.07	21.80
		25	13	20.17	20.18	20.15	21.80
		25	25	20.07	20.09	19.93	21.80
		50	0	20.06	20.03	20.04	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	23.02	23.00	23.09	24.80
		1	38	23.16	23.23	23.15	24.80

		1	74	23.14	23.04	23.02	24.80
		36	0	22.09	22.18	22.07	23.80
		36	18	22.27	22.11	22.18	23.80
		36	39	22.11	22.11	22.00	23.80
		75	0	22.14	22.17	22.02	23.80
	16QAM	1	0	22.03	21.98	22.09	23.80
		1	38	22.21	22.00	22.08	23.80
		1	74	22.18	22.06	22.06	23.80
		36	0	21.01	21.08	21.09	22.80
		36	18	21.06	21.14	21.21	22.80
		36	39	21.13	21.25	21.12	22.80
		75	0	21.05	21.08	21.17	22.80
	64QAM	1	0	20.96	20.96	21.04	22.80
		1	38	21.12	21.21	21.05	22.80
		1	74	21.11	20.93	20.99	22.80
		36	0	20.06	20.06	20.03	21.80
		36	18	20.15	20.01	20.10	21.80
		36	39	20.02	20.09	19.94	21.80
		75	0	20.07	20.15	19.98	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	23.09	23.07	23.07	24.80
		1	50	23.16	23.22	23.23	24.80
		1	99	23.15	23.09	23.05	24.80
		50	0	22.06	22.11	22.20	23.80
		50	25	22.19	22.14	22.19	23.80
		50	50	22.16	22.13	22.08	23.80
		100	0	22.09	22.12	22.10	23.80
	16QAM	1	0	22.01	22.01	22.04	23.80
		1	50	22.22	22.05	22.11	23.80
		1	99	22.15	22.08	21.98	23.80
		50	0	21.08	21.13	21.09	22.80
		50	25	21.05	21.15	21.13	22.80
		50	50	21.16	21.17	21.12	22.80
		100	0	21.07	21.08	21.11	22.80
	64QAM	1	0	21.02	20.97	21.05	22.80
		1	50	21.11	21.15	21.21	22.80
		1	99	21.08	21.03	21.00	22.80
		50	0	19.96	20.08	20.16	21.80
		50	25	20.11	20.06	20.16	21.80
		50	50	20.05	20.05	19.98	21.80
		100	0	20.05	20.11	20.09	21.80

LTE Band 38 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	17.87	17.88	17.87	19.80
		1	13	18.22	18.28	18.37	19.80
		1	24	18.29	18.24	18.11	19.80
		12	0	17.96	18.03	18.05	19.80
		12	6	18.15	18.18	18.11	19.80
		12	13	18.14	18.14	18.07	19.80
		25	0	17.99	18.03	17.99	19.80
	16QAM	1	0	17.92	17.96	18.04	19.80
		1	13	17.97	18.02	18.02	19.80
		1	24	17.89	17.86	17.83	19.80
		12	0	18.02	18.01	18.02	19.80
		12	6	18.06	18.09	18.17	19.80
		12	13	18.08	18.09	18.11	19.80
		25	0	17.92	17.84	17.81	19.80
	64QAM	1	0	17.86	17.89	17.86	19.80
		1	13	18.19	18.20	18.29	19.80
		1	24	18.27	18.15	18.02	19.80
		12	0	17.84	18.02	18.01	19.80
		12	6	18.06	18.13	18.00	19.80
		12	13	18.10	18.02	18.05	19.80
		25	0	17.92	17.94	17.97	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	17.86	17.87	17.90	19.80
		1	25	18.25	18.21	18.13	19.80
		1	49	17.99	17.83	17.94	19.80
		25	0	18.08	18.05	18.10	19.80
		25	13	18.02	17.96	18.00	19.80
		25	25	18.15	18.23	18.17	19.80
		50	0	18.05	17.97	17.95	19.80
	16QAM	1	0	17.89	17.86	17.93	19.80
		1	25	17.86	18.03	18.05	19.80
		1	49	17.86	18.01	17.80	19.80
		25	0	18.10	18.01	18.10	19.80
		25	13	17.98	18.08	18.08	19.80
		25	25	18.19	18.13	18.04	19.80
		50	0	18.00	17.92	17.93	19.80
	64QAM	1	0	17.84	17.86	17.85	19.80
		1	25	18.22	18.12	18.09	19.80
		1	49	17.87	17.89	17.82	19.80
		25	0	18.03	18.02	18.00	19.80
		25	13	17.92	17.89	17.90	19.80
		25	25	18.10	18.22	18.07	19.80
		50	0	18.00	17.93	17.93	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	17.95	18.05	18.13	19.80
		1	38	18.17	18.17	18.22	19.80

		1	74	17.89	17.95	17.93	19.80
		36	0	18.02	17.95	17.99	19.80
		36	18	18.10	18.20	18.10	19.80
		36	39	18.08	18.13	18.18	19.80
		75	0	17.93	17.84	17.82	19.80
	16QAM	1	0	17.82	17.92	17.96	19.80
		1	38	17.86	17.81	17.81	19.80
		1	74	18.01	17.91	17.83	19.80
		36	0	18.02	17.96	17.87	19.80
		36	18	18.04	18.09	18.13	19.80
		36	39	18.20	18.11	18.20	19.80
		75	0	17.90	17.97	18.07	19.80
	64QAM	1	0	17.85	18.01	18.06	19.80
		1	38	18.08	18.16	18.10	19.80
		1	74	17.84	17.91	17.82	19.80
		36	0	17.96	17.88	17.95	19.80
		36	18	18.00	18.14	18.07	19.80
		36	39	17.98	18.09	18.17	19.80
		75	0	17.92	17.83	17.81	19.80
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	18.12	18.02	17.95	19.80
		1	50	18.13	18.04	18.00	19.80
		1	99	17.99	17.94	18.16	19.80
		50	0	18.06	18.15	18.16	19.80
		50	25	18.13	18.05	18.09	19.80
		50	50	18.02	17.99	18.07	19.80
		100	0	17.94	17.91	17.95	19.80
	16QAM	1	0	17.98	17.92	17.83	19.80
		1	50	17.96	17.96	17.88	19.80
		1	99	17.99	17.90	17.92	19.80
		50	0	18.11	18.01	18.00	19.80
		50	25	17.97	18.04	18.08	19.80
		50	50	18.14	18.05	18.14	19.80
		100	0	17.96	17.90	17.99	19.80
	64QAM	1	0	18.06	18.00	17.87	19.80
		1	50	18.06	17.98	17.93	19.80
		1	99	17.98	17.88	18.12	19.80
		50	0	17.94	18.06	18.09	19.80
		50	25	18.05	18.01	18.01	19.80
		50	50	17.96	17.90	18.04	19.80
		100	0	17.85	17.87	17.86	19.80

LTE Band 41 Full power				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	23.03	23.01	23.28	23.24	23.24	23.30
		1	13	23.02	23.04	23.21	23.25	23.28	23.30
		1	24	23.03	23.11	23.24	23.28	23.3	23.30
		12	0	21.96	22.02	22.19	22.24	22.24	22.30
		12	6	21.98	22.01	22.21	22.22	22.2	22.30
		12	13	21.97	21.96	22.14	22.21	22.17	22.30
		25	0	21.98	22.01	22.14	22.25	22.21	22.30
	16QAM	1	0	21.95	22.03	22.26	22.24	22.19	22.30
		1	13	21.96	21.98	22.16	22.23	22.19	22.30
		1	24	22.01	22.04	22.25	22.25	22.23	22.30
		12	0	20.96	20.96	21.1	21.2	21.23	21.30
		12	6	20.97	20.93	21.05	21.1	21.15	21.30
		12	13	20.89	20.92	21.04	21.12	21.12	21.30
		25	0	21.03	21	21.18	21.28	21.27	21.30
	64QAM	1	0	20.99	20.94	21.27	21.12	21.19	21.30
		1	13	20.96	20.92	21.11	21.24	21.21	21.30
		1	24	20.93	21.03	21.21	21.22	21.18	21.30
		12	0	19.90	19.90	20.10	20.21	20.21	20.30
		12	6	19.95	19.92	20.15	20.14	20.12	20.30
		12	13	19.90	19.91	20.12	20.18	20.12	20.30
		25	0	19.90	19.91	20.04	20.22	20.18	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	23.01	23.02	23.15	23.14	23.28	23.30
		1	25	23.04	23.07	23.29	23.17	23.29	23.30
		1	49	22.97	23.09	23.19	23.19	23.21	23.30
		25	0	21.9	22	22.11	22.14	22.2	22.30
		25	13	21.91	22.01	22.17	22.09	22.19	22.30
		25	25	21.92	21.99	22.18	22.09	22.16	22.30
		50	0	21.95	21.98	22.2	22.16	22.23	22.30
	16QAM	1	0	21.97	22.01	22.2	22.14	22.22	22.30
		1	25	21.91	22.01	22.23	22.13	22.29	22.30
		1	49	21.91	22.03	22.25	22.18	22.19	22.30
		25	0	21.01	20.99	21.1	21.11	21.29	21.30
		25	13	20.99	21	21.15	21.06	21.22	21.30
		25	25	20.95	20.98	21.14	21.15	21.23	21.30
		50	0	20.97	20.99	21.15	21.14	21.21	21.30
	64QAM	1	0	20.90	20.98	21.07	21.05	21.22	21.30
		1	25	21.00	21.02	21.23	21.15	21.21	21.30
		1	49	20.86	20.99	21.15	21.10	21.11	21.30
		25	0	19.79	19.98	20.00	20.08	20.16	20.30
		25	13	19.87	19.91	20.08	20.06	20.16	20.30
		25	25	19.88	19.92	20.13	20.04	20.08	20.30
		50	0	19.91	19.92	20.10	20.08	20.15	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.94	23.04	23.14	23.09	23.21	23.30
		1	38	22.97	23.02	23.27	23.18	23.27	23.30

		1	74	22.91	23.08	23.15	23.1	23.19	23.30
		36	0	21.83	21.96	22.08	22.1	22.19	22.30
		36	18	21.88	21.97	22.12	22.07	22.2	22.30
		36	39	21.92	21.97	22.14	22.05	22.14	22.30
		75	0	21.94	21.96	22.18	22.11	22.24	22.30
	16QAM	1	0	21.94	21.97	22.1	22.08	22.17	22.30
		1	38	21.99	22.07	22.26	22.12	22.23	22.30
		1	74	21.92	22.03	22.15	22.08	22.18	22.30
		36	0	20.82	20.96	21.14	21.06	21.17	21.30
		36	18	20.87	20.96	21.13	21.04	21.1	21.30
		36	39	20.86	20.96	21.12	21.07	21.15	21.30
		75	0	20.89	20.98	21.23	21.15	21.28	21.30
	64QAM	1	0	20.82	20.95	21.13	21.03	21.13	21.30
		1	38	20.87	20.97	21.19	21.11	21.18	21.30
		1	74	20.87	21.03	21.12	21.09	21.10	21.30
		36	0	19.79	19.84	20.00	19.98	20.07	20.30
		36	18	19.79	19.88	20.01	19.98	20.19	20.30
		36	39	19.91	19.88	20.09	20.00	20.12	20.30
		75	0	19.93	19.95	20.11	20.02	20.15	20.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.91	22.83	23.09	23.1	23.12	23.30
		1	50	22.92	23.03	23.2	23.18	23.15	23.30
		1	99	22.84	22.96	23.21	23.02	23.07	23.30
		50	0	21.84	21.99	22.23	22.12	22.18	22.30
		50	25	21.95	21.98	22.16	22.12	22.22	22.30
		50	50	21.98	22.01	22.15	22.09	22.19	22.30
		100	0	21.9	21.97	22.14	22.12	22.19	22.30
	16QAM	1	0	21.91	21.97	22.06	22.1	22.12	22.30
		1	50	21.98	22.03	22.19	22.12	22.22	22.30
		1	99	21.94	22.05	22.08	22.04	22.1	22.30
		50	0	20.8	21.01	21.09	21.13	21.21	21.30
		50	25	20.96	21	21.17	21.11	21.2	21.30
		50	50	21	21.09	21.17	21.03	21.24	21.30
		100	0	20.84	21.01	21.12	21.04	21.19	21.30
	64QAM	1	0	20.82	20.73	21.01	21.02	21.05	21.30
		1	50	20.88	20.98	21.12	21.13	21.05	21.30
		1	99	20.78	20.95	21.18	20.96	20.99	21.30
		50	0	19.83	19.95	20.15	20.07	20.10	20.30
		50	25	19.91	19.92	20.07	20.01	20.20	20.30
		50	50	19.92	19.89	20.13	19.99	20.14	20.30
		100	0	19.89	19.88	20.10	20.05	20.11	20.30

LTE Band 41 Receiver on&Hotspot on				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	19.09	19.07	19.05	19	19.08	19.30
		1	13	19.25	19.21	19.06	19.08	19.2	19.30
		1	24	19.13	19.05	19.03	19.02	19.11	19.30
		12	0	19.16	19.29	19.19	19.09	19.09	19.30
		12	6	19.26	19.24	19.12	19.11	19.14	19.30
		12	13	19.3	19.06	19.04	19.02	19.14	19.30
		25	0	19.15	19.2	19.22	19.01	19.15	19.30
	16QAM	1	0	19.03	18.98	19.06	19.14	19.16	19.30
		1	13	19.18	19.17	19.07	19	19.1	19.30
		1	24	19.17	18.84	19.12	19.07	19.01	19.30
		12	0	19.14	19.23	19.08	19.05	19.24	19.30
		12	6	19.1	19.17	19.09	19.03	19.14	19.30
		12	13	19.21	19.13	19.12	19.25	19.28	19.30
		25	0	19.26	19.17	19.07	19.14	19.3	19.30
	64QAM	1	0	18.98	18.92	18.99	19.11	19.09	19.30
		1	13	19.13	19.14	19.02	18.99	19.01	19.30
		1	24	19.14	18.73	19.05	19.03	18.97	19.30
		12	0	19.10	19.20	19.02	18.95	19.20	19.30
		12	6	19.05	19.11	18.98	19.01	19.06	19.30
		12	13	19.13	19.06	19.04	19.24	19.22	19.30
		25	0	19.19	19.15	19.03	19.05	19.26	19.30
Bandwidth	Modulation	RB size	RB offset	Channel 39700	Channel 40160	Channel 40620	Channel 41080	Channel 41540	Tune up
10MHz	QPSK	1	0	19	19.08	19.05	18.97	19.2	19.30
		1	25	19.19	19.28	19.17	19.01	19.14	19.30
		1	49	19.01	19.05	19.05	18.88	19.01	19.30
		25	0	19.03	19.29	19.1	19.2	19.28	19.30
		25	13	19.25	19.12	19.06	19.14	19.23	19.30
		25	25	19.21	19.07	19.04	19.16	19.08	19.30
		50	0	19.14	19.21	19.06	19.2	19.06	19.30
	16QAM	1	0	19.2	19.13	18.98	19.09	19.19	19.30
		1	25	19.19	19.26	19.1	19.15	19.23	19.30
		1	49	19.17	18.86	19.11	19.01	19.09	19.30
		25	0	19.19	19.3	19.15	19.16	19.3	19.30
		25	13	19.13	19.18	19.18	19.18	19.18	19.30
		25	25	19.2	19.07	19.1	19.21	19.11	19.30
		50	0	19.15	19.26	19.09	19.06	19.14	19.30
	64QAM	1	0	19.16	19.06	18.96	19.08	19.07	19.30
		1	25	19.07	19.14	18.99	19.05	19.17	19.30
		1	49	19.05	18.81	19.01	18.94	19.07	19.30
		25	0	19.07	19.25	19.09	19.10	19.26	19.30
		25	13	19.11	19.08	19.09	19.17	19.17	19.30
		25	25	19.10	18.98	19.01	19.11	19.00	19.30
		50	0	19.13	19.20	19.06	19.04	19.07	19.30
Bandwidth	Modulation	RB size	RB offset	Channel 39725	Channel 40173	Channel 40620	Channel 41068	Channel 41515	Tune up
15MHz	QPSK	1	0	19.17	19.04	18.96	19.01	19.1	19.30
		1	38	19.17	19.26	19.24	19.07	19.07	19.30
		1	74	19.04	18.9	18.99	19.05	19.06	19.30
		36	0	19.13	19.27	19.08	19.12	19.18	19.30

		36	18	19.13	19.3	19.16	19.07	19.19	19.30
		36	39	19.21	18.99	19.05	19.12	19.16	19.30
		75	0	19.12	19.25	19.11	19.05	19.18	19.30
	16QAM	1	0	19.12	19	18.99	19.13	19.19	19.30
		1	38	19.27	19.19	19.06	19	19.14	19.30
		1	74	19.14	18.99	19	18.96	19.08	19.30
		36	0	19.06	19.25	19.07	19.04	19.14	19.30
		36	18	19.27	19.16	19.18	19.17	19.29	19.30
		36	39	19.28	19.09	19.18	19.12	19.11	19.30
		75	0	19.24	19.28	19.23	19	19.24	19.30
	64QAM	1	0	19.00	18.88	18.95	19.02	19.12	19.30
		1	38	19.16	19.18	18.97	18.89	19.13	19.30
		1	74	19.10	18.96	18.93	18.94	19.06	19.30
		36	0	19.01	19.13	19.02	18.94	19.06	19.30
		36	18	19.18	19.11	19.14	19.16	19.28	19.30
		36	39	19.27	18.97	19.09	19.07	19.05	19.30
		75	0	19.21	19.25	19.11	18.93	19.22	19.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	19.09	19.11	18.99	18.95	19.1	19.30
		1	50	19.19	19.23	19.14	19.09	19.14	19.30
		1	99	19.08	18.98	19.28	18.95	19.06	19.30
		50	0	19.08	19.22	19.22	19.13	19.19	19.30
		50	25	19.21	19.21	19.16	19.12	19.22	19.30
		50	50	19.21	19.06	19.14	19.06	19.18	19.30
		100	0	19.12	19.24	19.13	19.1	19.16	19.30
	16QAM	1	0	19.11	19.07	19.02	19.04	19.16	19.30
		1	50	19.2	19.24	19.16	19.09	19.17	19.30
		1	99	19.07	18.94	19.06	18.98	19.05	19.30
		50	0	19.09	19.21	19.13	19.14	19.24	19.30
		50	25	19.18	19.24	19.17	19.11	19.23	19.30
		50	50	19.28	19.08	19.18	19.15	19.18	19.30
		100	0	19.16	19.25	19.15	19.1	19.21	19.30
	64QAM	1	0	19.04	19.01	18.95	18.94	19.15	19.30
		1	50	19.17	19.16	19.11	19.06	19.15	19.30
		1	99	19.02	18.87	18.97	18.97	18.99	19.30
		50	0	19.02	19.10	19.09	19.11	19.12	19.30
		50	25	19.09	19.21	19.12	19.01	19.20	19.30
		50	50	19.23	18.97	19.17	19.08	19.14	19.30
		100	0	19.11	19.17	19.08	19.09	19.10	19.30

LTE Band 66 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	22.97	23.18	23.27	24.80
		1	2	23.33	23.24	23.08	24.80
		1	5	23.18	23.03	23.08	24.80
		3	0	23.15	23.07	23.17	24.80
		3	1	23.24	23.18	23.08	24.80
		3	3	23.32	23.22	23.19	24.80
		6	0	22.15	22.19	22.18	23.80
	16QAM	1	0	22.61	22.67	22.53	23.80
		1	2	22.58	22.68	22.04	23.80
		1	5	22.54	22.65	22.42	23.80
		3	0	22.36	22.44	22.11	23.80
		3	1	22.14	22.29	22.19	23.80
		3	3	22.23	22.30	22.16	23.80
		6	0	21.11	21.15	21.22	22.80
	64QAM	1	0	20.91	21.12	21.17	22.80
		1	2	21.32	21.17	21.05	22.80
		1	5	21.08	21.00	21.05	22.80
		3	0	21.12	21.02	21.05	22.80
		3	1	21.15	21.08	20.99	22.80
		3	3	21.22	21.17	21.15	22.80
		6	0	20.07	20.08	20.14	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.48	23.17	23.35	24.80
		1	7	23.34	23.33	23.19	24.80
		1	14	23.03	23.11	23.02	24.80
		8	0	22.12	22.16	22.12	23.80
		8	4	22.17	22.26	22.20	23.80
		8	7	22.14	22.23	22.03	23.80
		15	0	22.11	22.16	22.10	23.80
	16QAM	1	0	22.58	22.19	22.24	23.80
		1	7	22.66	22.49	22.30	23.80
		1	14	22.25	22.34	22.48	23.80
		8	0	21.18	21.17	21.22	22.80
		8	4	21.14	21.25	21.18	22.80
		8	7	21.08	21.05	21.10	22.80
		15	0	21.11	21.15	21.14	22.80
	64QAM	1	0	21.45	21.08	21.33	22.80
		1	7	21.24	21.30	21.18	22.80
		1	14	20.91	21.05	20.90	22.80
		8	0	20.04	20.07	20.05	21.80
		8	4	20.13	20.23	20.17	21.80
		8	7	20.04	20.12	19.91	21.80
		15	0	20.05	20.05	19.98	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.29	23.07	23.21	24.80
		1	13	23.25	23.18	23.14	24.80

		1	24	23.08	23.17	22.98	24.80
		12	0	22.16	22.20	22.31	23.80
		12	6	22.20	22.24	22.08	23.80
		12	13	22.21	22.21	22.14	23.80
		25	0	22.23	22.15	22.05	23.80
	16QAM	1	0	22.57	22.21	22.27	23.80
		1	13	22.70	22.52	22.24	23.80
		1	24	22.29	22.47	22.46	23.80
		12	0	21.04	21.22	21.12	22.80
		12	6	21.27	21.20	21.27	22.80
		12	13	21.01	21.18	21.10	22.80
		25	0	21.21	21.08	21.08	22.80
	64QAM	1	0	21.18	20.95	21.11	22.80
		1	13	21.16	21.10	21.09	22.80
		1	24	20.97	21.07	20.91	22.80
		12	0	20.13	20.09	20.22	21.80
		12	6	20.18	20.22	20.01	21.80
		12	13	20.10	20.14	20.09	21.80
		25	0	20.19	20.05	19.97	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	23.30	23.07	23.39	24.80
		1	25	23.37	23.18	23.22	24.80
		1	49	23.06	23.13	22.91	24.80
		25	0	22.12	22.10	22.27	23.80
		25	13	22.34	22.30	22.19	23.80
		25	25	22.15	22.12	22.22	23.80
		50	0	22.08	22.12	22.11	23.80
	16QAM	1	0	22.51	22.21	22.37	23.80
		1	25	22.59	22.48	22.17	23.80
		1	49	22.30	22.49	22.33	23.80
		25	0	21.13	21.22	21.15	22.80
		25	13	21.24	21.16	21.09	22.80
		25	25	20.99	21.18	21.14	22.80
		50	0	21.23	21.13	21.21	22.80
	64QAM	1	0	21.20	20.96	21.37	22.80
		1	25	21.30	21.11	21.11	22.80
		1	49	21.00	21.07	20.86	22.80
		25	0	20.05	20.06	20.23	21.80
		25	13	20.27	20.26	20.17	21.80
		25	25	20.12	20.02	20.12	21.80
		50	0	20.03	20.01	20.04	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	23.40	23.13	23.39	24.80
		1	38	23.29	23.36	23.21	24.80
		1	74	23.13	23.18	22.85	24.80
		36	0	22.16	22.09	22.28	23.80
		36	18	22.15	22.32	22.10	23.80
		36	39	22.13	22.18	22.03	23.80
		75	0	22.13	22.26	22.16	23.80
	16QAM	1	0	22.50	22.21	22.40	23.80
		1	38	22.65	22.60	22.12	23.80
		1	74	22.29	22.51	22.48	23.80



		36	0	21.14	21.02	21.12	22.80
		36	18	21.20	21.27	21.08	22.80
		36	39	21.01	21.19	21.13	22.80
		75	0	21.24	20.97	21.09	22.80
	64QAM	1	0	21.32	21.06	21.34	22.80
		1	38	21.23	21.24	21.17	22.80
		1	74	21.04	21.11	20.87	22.80
		36	0	20.11	20.05	20.26	21.80
		36	18	20.08	20.24	20.08	21.80
		36	39	20.09	20.13	20.00	21.80
		75	0	20.10	20.21	20.05	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	23.30	23.10	23.24	24.80
		1	50	23.26	23.31	23.28	24.80
		1	99	23.01	23.21	22.89	24.80
		50	0	22.20	22.33	22.17	23.80
		50	25	22.32	22.19	22.13	23.80
		50	50	22.21	22.17	22.20	23.80
		100	0	22.15	22.14	22.05	23.80
	16QAM	1	0	22.42	22.14	22.32	23.80
		1	50	22.64	22.60	22.12	23.80
		1	99	22.32	22.35	22.30	23.80
		50	0	21.19	21.10	21.10	22.80
		50	25	21.29	21.11	21.21	22.80
		50	50	21.08	21.08	21.11	22.80
		100	0	21.08	21.03	21.08	22.80
	64QAM	1	0	21.21	21.00	21.16	22.80
		1	50	21.20	21.22	21.16	22.80
		1	99	20.97	21.15	20.89	22.80
		50	0	20.12	20.27	20.05	21.80
		50	25	20.23	20.16	20.03	21.80
		50	50	20.16	20.09	20.08	21.80
		100	0	20.07	20.07	19.96	21.80

LTE Band 66 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 131979	Channel 132322	Channel 132665	Tune up
1.4MHz	QPSK	1	0	22.22	22.30	22.27	23.80
		1	2	22.26	22.30	22.32	23.80
		1	5	22.25	22.29	22.35	23.80
		3	0	22.36	22.35	22.42	23.80
		3	1	22.31	22.32	22.39	23.80
		3	3	22.29	22.38	22.28	23.80
		6	0	22.27	22.42	22.33	23.80
	16QAM	1	0	22.36	22.54	22.62	23.80
		1	2	22.56	22.59	22.62	23.80
		1	5	22.45	22.63	22.67	23.80
		3	0	22.36	22.43	22.44	23.80
		3	1	22.31	22.44	22.49	23.80
		3	3	22.28	22.35	22.42	23.80
		6	0	21.28	21.50	21.47	22.80

		1	0	20.91	21.12	21.17	22.80
		1	2	21.32	21.17	21.05	22.80
		1	5	21.08	21.00	21.05	22.80
		3	0	21.12	21.02	21.05	22.80
		3	1	21.15	21.08	20.99	22.80
		3	3	21.22	21.17	21.15	22.80
		6	0	20.07	20.08	20.14	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 131987	Channel 132322	Channel 132657	Tune up
3MHz	QPSK	1	0	22.28	22.38	22.41	23.80
		1	7	22.34	22.43	22.30	23.80
		1	14	22.25	22.29	22.27	23.80
		8	0	22.32	22.44	22.54	23.80
		8	4	22.35	22.39	22.38	23.80
		8	7	22.44	22.33	22.30	23.80
		15	0	22.32	22.40	22.47	23.80
	16QAM	1	0	22.56	22.46	22.52	23.80
		1	7	22.61	22.64	22.54	23.80
		1	14	22.50	22.47	22.52	23.80
		8	0	21.27	21.30	21.45	22.80
		8	4	21.42	21.49	21.44	22.80
		8	7	21.38	21.34	21.34	22.80
		15	0	21.37	21.32	21.45	22.80
	64QAM	1	0	21.45	21.08	21.33	22.80
		1	7	21.24	21.30	21.18	22.80
		1	14	20.91	21.05	20.90	22.80
		8	0	20.04	20.07	20.05	21.80
		8	4	20.13	20.23	20.17	21.80
		8	7	20.04	20.12	19.91	21.80
		15	0	20.05	20.05	19.98	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 131997	Channel 132322	Channel 132647	Tune up
5MHz	QPSK	1	0	22.37	22.34	22.28	23.80
		1	13	22.37	22.33	22.27	23.80
		1	24	22.35	22.23	22.29	23.80
		12	0	22.28	22.32	22.41	23.80
		12	6	22.47	22.43	22.49	23.80
		12	13	22.47	22.31	22.32	23.80
		25	0	22.29	22.41	22.47	23.80
	16QAM	1	0	22.48	22.51	22.50	23.80
		1	13	22.60	22.57	22.54	23.80
		1	24	22.45	22.40	22.37	23.80
		12	0	21.22	21.28	21.52	22.80
		12	6	21.33	21.39	21.41	22.80
		12	13	21.39	21.27	21.39	22.80
		25	0	21.41	21.30	21.42	22.80
	64QAM	1	0	21.18	20.95	21.11	22.80
		1	13	21.16	21.10	21.09	22.80
		1	24	20.97	21.07	20.91	22.80
		12	0	20.13	20.09	20.22	21.80
		12	6	20.18	20.22	20.01	21.80
		12	13	20.10	20.14	20.09	21.80
		25	0	20.19	20.05	19.97	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				132022	132322	132622	
10MHz	QPSK	1	0	22.37	22.31	22.30	23.80
		1	25	22.40	22.37	22.24	23.80
		1	49	22.36	22.25	22.14	23.80
		25	0	22.27	22.40	22.41	23.80
		25	13	22.43	22.49	22.37	23.80
		25	25	22.53	22.41	22.44	23.80
		50	0	22.30	22.35	22.36	23.80
	16QAM	1	0	22.48	22.56	22.57	23.80
		1	25	22.61	22.65	22.54	23.80
		1	49	22.44	22.45	22.44	23.80
		25	0	21.27	21.35	21.45	22.80
		25	13	21.36	21.43	21.40	22.80
		25	25	21.49	21.40	21.41	22.80
		50	0	21.31	21.37	21.39	22.80
	64QAM	1	0	21.20	20.96	21.37	22.80
		1	25	21.30	21.11	21.11	22.80
		1	49	21.00	21.07	20.86	22.80
		25	0	20.05	20.06	20.23	21.80
		25	13	20.27	20.26	20.17	21.80
		25	25	20.12	20.02	20.12	21.80
		50	0	20.03	20.01	20.04	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	22.26	22.28	22.39	23.80
		1	38	22.30	22.46	22.29	23.80
		1	74	22.33	22.34	22.28	23.80
		36	0	22.30	22.33	22.44	23.80
		36	18	22.32	22.37	22.48	23.80
		36	39	22.52	22.34	22.44	23.80
		75	0	22.36	22.36	22.39	23.80
	16QAM	1	0	22.44	22.47	22.60	23.80
		1	38	22.52	22.63	22.58	23.80
		1	74	22.53	22.53	22.50	23.80
		36	0	21.23	21.43	21.55	22.80
		36	18	21.46	21.51	21.39	22.80
		36	39	21.42	21.39	21.35	22.80
		75	0	21.33	21.40	21.35	22.80
	64QAM	1	0	21.32	21.06	21.34	22.80
		1	38	21.23	21.24	21.17	22.80
		1	74	21.04	21.11	20.87	22.80
		36	0	20.11	20.05	20.26	21.80
		36	18	20.08	20.24	20.08	21.80
		36	39	20.09	20.13	20.00	21.80
		75	0	20.10	20.21	20.05	21.80
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	22.22	22.37	22.31	23.80
		1	50	22.31	22.32	22.37	23.80
		1	99	22.36	22.25	22.17	23.80
		50	0	22.31	22.33	22.49	23.80
		50	25	22.33	22.49	22.41	23.80
		50	50	22.45	22.42	22.44	23.80
		100	0	22.31	22.31	22.41	23.80

	16QAM	1	0	22.41	22.59	22.64	23.80
		1	50	22.59	22.64	22.65	23.80
		1	99	22.56	22.39	22.40	23.80
		50	0	21.19	21.42	21.42	22.80
		50	25	21.38	21.42	21.41	22.80
		50	50	21.39	21.29	21.29	22.80
		100	0	21.27	21.34	21.48	22.80
	64QAM	1	0	21.21	21.00	21.16	22.80
		1	50	21.20	21.22	21.16	22.80
		1	99	20.97	21.15	20.89	22.80
		50	0	20.12	20.27	20.05	21.80
		50	25	20.23	20.16	20.03	21.80
		50	50	20.16	20.09	20.08	21.80
		100	0	20.07	20.07	19.96	21.80

LTE Band 66 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	15.39	15.15	15.35	16.80
		1	2	15.29	15.22	15.27	16.80
		1	5	15.15	15.33	14.96	16.80
		3	0	15.34	15.16	15.38	16.80
		3	1	15.38	15.29	15.26	16.80
		3	3	15.03	15.29	14.94	16.80
		6	0	15.42	15.12	15.28	16.80
	16QAM	1	0	15.33	15.39	15.41	16.80
		1	2	15.18	15.24	14.88	16.80
		1	5	15.25	15.30	15.35	16.80
		3	0	15.40	15.35	15.27	16.80
		3	1	15.02	15.15	14.85	16.80
		3	3	15.39	15.09	15.17	16.80
		6	0	15.36	15.35	15.34	16.80
	64QAM	1	0	15.36	15.14	15.32	16.80
		1	2	15.22	15.14	15.23	16.80
		1	5	15.09	15.21	14.85	16.80
		3	0	15.28	15.07	15.26	16.80
		3	1	15.37	15.20	15.14	16.80
		3	3	14.97	15.24	14.93	16.80
		6	0	15.32	15.03	15.18	16.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	15.42	15.21	15.23	16.80
		1	7	15.39	15.39	15.34	16.80
		1	14	15.15	15.25	14.86	16.80
		8	0	15.33	15.09	15.34	16.80
		8	4	15.22	15.28	15.30	16.80
		8	7	15.14	15.14	14.94	16.80
		15	0	15.45	15.20	15.32	16.80
	16QAM	1	0	15.16	15.26	15.43	16.80
		1	7	15.12	15.33	14.94	16.80
		1	14	15.24	15.21	15.32	16.80
		8	0	15.40	15.28	15.20	16.80

		8	4	15.06	15.27	14.90	16.80
		8	7	15.34	15.07	15.34	16.80
		15	0	15.42	15.28	15.22	16.80
	64QAM	1	0	15.34	15.13	15.20	16.80
		1	7	15.37	15.31	15.22	16.80
		1	14	15.08	15.15	14.87	16.80
		8	0	15.32	15.00	15.23	16.80
		8	4	15.16	15.25	15.19	16.80
		8	7	15.06	15.13	14.82	16.80
		15	0	15.37	15.16	15.24	16.80
Bandwidth	Modulation	RB size	RB offset	Channel 131997	Channel 132322	Channel 132647	Tune up
5MHz	QPSK	1	0	15.45	15.19	15.31	16.80
		1	13	15.36	15.29	15.37	16.80
		1	24	15.17	15.34	14.91	16.80
		12	0	15.40	15.12	15.26	16.80
		12	6	15.18	15.15	15.27	16.80
		12	13	15.09	15.16	14.99	16.80
		25	0	15.44	15.09	15.19	16.80
	16QAM	1	0	15.21	15.28	15.26	16.80
		1	13	15.06	15.18	14.88	16.80
		1	24	15.23	15.29	15.29	16.80
		12	0	15.39	15.25	15.25	16.80
		12	6	15.02	15.26	15.00	16.80
		12	13	15.31	15.20	15.19	16.80
		25	0	15.34	15.33	15.25	16.80
	64QAM	1	0	15.35	15.13	15.22	16.80
		1	13	15.32	15.22	15.30	16.80
		1	24	15.08	15.23	14.80	16.80
		12	0	15.35	15.11	15.23	16.80
		12	6	15.09	15.06	15.25	16.80
		12	13	15.03	15.06	14.93	16.80
		25	0	15.35	15.05	15.14	16.80
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	15.40	15.06	15.33	16.80
		1	25	15.33	15.28	15.38	16.80
		1	49	15.16	15.21	15.01	16.80
		25	0	15.43	15.17	15.23	16.80
		25	13	15.25	15.26	15.38	16.80
		25	25	15.14	15.24	14.92	16.80
		50	0	15.36	15.13	15.27	16.80
	16QAM	1	0	15.36	15.41	15.24	16.80
		1	25	15.17	15.23	15.03	16.80
		1	49	15.32	15.27	15.26	16.80
		25	0	15.41	15.44	15.19	16.80
		25	13	15.02	15.28	14.95	16.80
		25	25	15.43	15.16	15.32	16.80
		50	0	15.28	15.37	15.35	16.80
	64QAM	1	0	15.32	14.95	15.21	16.80
		1	25	15.30	15.16	15.36	16.80
		1	49	15.05	15.13	14.96	16.80
		25	0	15.38	15.16	15.12	16.80
		25	13	15.18	15.14	15.27	16.80

		25	25	15.13	15.21	14.87	16.80
		50	0	15.30	15.09	15.21	16.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	15.33	15.15	15.32	16.80
		1	38	15.37	15.35	15.35	16.80
		1	74	15.01	15.26	14.82	16.80
		36	0	15.27	15.07	15.29	16.80
		36	18	15.25	15.18	15.33	16.80
		36	39	14.98	15.30	14.86	16.80
		75	0	15.31	15.10	15.30	16.80
	16QAM	1	0	15.31	15.34	15.24	16.80
		1	38	15.09	15.33	15.04	16.80
		1	74	15.41	15.11	15.36	16.80
		36	0	15.40	15.44	15.33	16.80
		36	18	15.11	15.16	15.02	16.80
		36	39	15.40	15.10	15.24	16.80
		75	0	15.32	15.26	15.30	16.80
	64QAM	1	0	15.31	15.11	15.21	16.80
		1	38	15.29	15.26	15.24	16.80
		1	74	14.95	15.20	14.85	16.80
		36	0	15.25	14.95	15.23	16.80
		36	18	15.16	15.14	15.22	16.80
		36	39	14.91	15.26	14.82	16.80
		75	0	15.25	15.07	15.18	16.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	15.39	15.13	15.27	16.80
		1	50	15.36	15.40	15.32	16.80
		1	99	15.07	15.29	14.91	16.80
		50	0	15.36	15.37	15.32	16.80
		50	25	15.28	15.24	15.33	16.80
		50	50	15.08	15.22	14.89	16.80
		100	0	15.39	15.19	15.24	16.80
	16QAM	1	0	15.26	15.34	15.33	16.80
		1	50	15.11	15.24	14.97	16.80
		1	99	15.33	15.20	15.33	16.80
		50	0	15.36	15.34	15.29	16.80
		50	25	15.11	15.24	14.95	16.80
		50	50	15.36	15.13	15.24	16.80
		100	0	15.36	15.32	15.29	16.80
	64QAM	1	0	15.34	15.03	15.19	16.80
		1	50	15.24	15.35	15.31	16.80
		1	99	14.99	15.17	14.88	16.80
		50	0	15.28	15.34	15.25	16.80
		50	25	15.18	15.23	15.21	16.80
		50	50	14.99	15.11	14.83	16.80
		100	0	15.37	15.14	15.14	16.80

5 Conducted Power of Main Antenna(Ant5)

5.1 Conducted Power of GSM

GSM 1900 Full power										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	29.59	29.57	29.39	30.70	-9.19	20.4	20.38	20.2	21.51
GPRS/EGPRS (GMSK)	1 TX Slot	29.58	29.55	29.41	30.70	-9.19	20.39	20.36	20.22	21.51
	2 TX Slots	26.43	26.39	26.27	27.70	-6.18	20.25	20.21	20.09	21.52
	3 TX Slots	24.52	24.46	24.39	25.90	-4.42	20.1	20.04	19.97	21.48
	4 TX Slots	24.06	24.00	23.94	24.70	-3.17	20.89	20.83	20.77	21.53
EGPRS(8PSK)	1 TX Slot	24.08	24.07	24.11	25.70	-9.19	14.89	14.88	14.92	16.51
	2 TX Slots	21.05	21.04	21.11	22.70	-6.18	14.87	14.86	14.93	16.52
	3 TX Slots	19.37	19.36	19.35	20.90	-4.42	14.95	14.94	14.93	16.48
	4 TX Slots	18.12	18.14	18.24	19.70	-3.17	14.95	14.97	15.07	16.53

GSM 1900 Receiver on&Hotspot on										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	27.75	27.73	27.59	28.70	-9.19	18.56	18.54	18.4	19.51
GPRS/EGPRS (GMSK)	1 TX Slot	27.79	27.78	27.66	28.70	-9.19	18.6	18.59	18.47	19.51
	2 TX Slots	24.63	24.56	24.52	25.70	-6.18	18.45	18.38	18.34	19.52
	3 TX Slots	22.78	22.80	22.69	23.90	-4.42	18.36	18.38	18.27	19.48
	4 TX Slots	21.85	22.00	21.72	22.70	-3.17	18.68	18.83	18.55	19.53
EGPRS(8PSK)	1 TX Slot	24.08	24.07	24.11	25.70	-9.19	14.89	14.88	14.92	16.51
	2 TX Slots	21.05	21.04	21.11	22.70	-6.18	14.87	14.86	14.93	16.52
	3 TX Slots	19.37	19.36	19.35	20.90	-4.42	14.95	14.94	14.93	16.48
	4 TX Slots	18.12	18.14	18.24	19.70	-3.17	14.95	14.97	15.07	16.53

5.2 Conducted Power of WCDMA

WCDMA Band II Full power					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	23.28	23.30	23.36	25.20
	12.2kbps AMR	23.22	23.26	23.28	25.20
HSDPA	Subtest 1	22.69	22.65	22.67	24.20
	Subtest 2	22.69	22.67	22.65	24.20
	Subtest 3	22.15	22.28	22.14	23.20
	Subtest 4	22.11	22.19	22.07	23.20
HSUPA	Subtest 1	20.65	20.68	20.50	22.20
	Subtest 2	20.70	20.68	20.56	22.20
	Subtest 3	21.66	21.63	21.57	23.20
	Subtest 4	20.09	20.20	20.09	21.20
	Subtest 5	21.65	21.64	21.57	22.20

WCDMA Band II Sensor on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	21.20	21.27	21.36	23.20
	12.2kbps AMR	21.21	21.23	21.23	23.20
HSDPA	Subtest 1	20.55	20.50	20.54	22.20
	Subtest 2	20.55	20.55	20.55	22.20
	Subtest 3	20.01	20.16	20.02	21.20
	Subtest 4	20.00	20.06	19.97	21.20
HSUPA	Subtest 1	18.53	18.57	18.38	20.20
	Subtest 2	18.58	18.56	18.45	20.20
	Subtest 3	19.54	19.51	19.44	21.20
	Subtest 4	17.99	18.05	17.98	19.20
	Subtest 5	19.53	19.49	19.45	20.20

WCDMA Band II Receiver on&Hotspot on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.37	17.35	17.41	19.20
	12.2kbps AMR	17.34	17.32	17.40	19.20
HSDPA	Subtest 1	16.40	16.39	16.41	18.20
	Subtest 2	16.43	16.42	16.41	18.20
	Subtest 3	15.88	16.06	15.87	17.20
	Subtest 4	15.86	15.96	15.84	17.20
HSUPA	Subtest 1	14.39	14.43	14.25	16.20
	Subtest 2	14.45	14.43	14.30	16.20
	Subtest 3	15.39	15.38	15.29	17.20
	Subtest 4	13.84	13.94	13.85	15.20
	Subtest 5	15.43	15.34	15.32	16.20

WCDMA Band IV Full power					
Average Conducted Power(dBm)					
	Channel	1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	23.37	23.36	23.21	25.20
	12.2kbps AMR	23.33	23.32	23.21	25.20
HSDPA	Subtest 1	22.57	22.53	22.55	24.20
	Subtest 2	22.54	22.53	22.53	24.20
	Subtest 3	22.05	22.18	21.99	23.20
	Subtest 4	21.96	22.05	21.96	23.20
HSUPA	Subtest 1	20.54	20.55	20.39	22.20
	Subtest 2	20.57	20.58	20.45	22.20
	Subtest 3	21.51	21.51	21.44	23.20
	Subtest 4	19.98	20.07	19.96	21.20
	Subtest 5	21.50	21.50	21.42	22.20

WCDMA Band IV Sensor on					
Average Conducted Power(dBm)					
	Channel	1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.45	22.44	22.29	24.20
	12.2kbps AMR	22.37	22.42	22.31	24.20
HSDPA	Subtest 1	21.43	21.38	21.41	23.20
	Subtest 2	21.44	21.44	21.44	23.20
	Subtest 3	20.88	21.04	20.92	22.20
	Subtest 4	20.87	20.95	20.83	22.20
HSUPA	Subtest 1	19.38	19.42	19.25	21.20
	Subtest 2	19.48	19.42	19.33	21.20
	Subtest 3	20.39	20.38	20.31	22.20
	Subtest 4	18.86	18.95	18.83	20.20
	Subtest 5	20.38	20.35	20.33	21.20

WCDMA Band IV Receiver on&Hotspot on					
Average Conducted Power(dBm)					
	Channel	1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	16.56	16.58	16.51	18.20
	12.2kbps AMR	16.54	16.53	16.44	18.20
HSDPA	Subtest 1	15.29	15.26	15.26	17.20
	Subtest 2	15.33	15.32	15.29	17.20
	Subtest 3	14.77	14.94	14.72	16.20
	Subtest 4	14.74	14.83	14.73	16.20
HSUPA	Subtest 1	13.26	13.33	13.28	15.20
	Subtest 2	13.30	13.33	13.20	15.20
	Subtest 3	14.26	14.24	14.28	16.20
	Subtest 4	12.69	12.84	12.70	14.20
	Subtest 5	14.32	14.21	14.20	15.20

5.3 Conducted Power of LTE

LTE Band 4 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.48	23.35	23.47	25.20
		1	2	23.49	23.36	23.29	25.20
		1	5	23.59	23.45	23.44	25.20
		3	0	23.48	23.36	23.44	25.20
		3	2	23.66	23.26	23.32	25.20
		3	3	23.67	23.42	23.45	25.20
		6	0	22.47	22.42	22.44	24.20
	16QAM	1	0	22.49	22.52	22.24	24.20
		1	2	22.56	22.41	22.73	24.20
		1	5	22.35	22.43	22.25	24.20
		3	0	22.54	22.49	22.42	24.20
		3	2	22.61	22.37	22.38	24.20
		3	3	22.53	22.32	22.4	24.20
		6	0	21.96	21.63	21.61	23.20
	64QAM	1	0	21.39	21.34	21.37	23.20
		1	2	21.47	21.30	21.21	23.20
		1	5	21.48	21.33	21.37	23.20
		3	0	21.36	21.28	21.39	23.20
		3	2	21.62	21.21	21.24	23.20
		3	3	21.65	21.41	21.44	23.20
		6	0	20.39	20.37	20.32	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.6	23.41	23.63	25.20
		1	7	23.42	23.49	23.31	25.20
		1	14	23.24	23.53	23.24	25.20
		8	0	22.41	22.49	22.44	24.20
		8	4	22.37	22.4	22.33	24.20
		8	7	22.42	22.53	22.36	24.20
		15	0	22.49	22.41	22.43	24.20
	16QAM	1	0	22.84	22.54	22.3	24.20
		1	7	22.86	22.9	22.65	24.20
		1	14	22.92	22.43	22.35	24.20
		8	0	21.63	21.7	21.5	23.20
		8	4	21.64	21.64	21.6	23.20
		8	7	21.54	21.8	21.48	23.20
		15	0	21.58	21.5	21.62	23.20
	64QAM	1	0	21.48	21.33	21.61	23.20
		1	7	21.30	21.48	21.30	23.20
		1	14	21.27	21.49	21.24	23.20
		8	0	20.37	20.37	20.36	22.20
		8	4	20.25	20.28	20.30	22.20
		8	7	20.37	20.51	20.28	22.20
		15	0	20.40	20.38	20.36	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.68	23.35	23.54	25.20

		1	13	23.52	23.47	23.36	25.20
		1	24	23.26	23.43	23.2	25.20
		12	0	22.34	22.46	22.52	24.20
		12	6	22.39	22.47	22.35	24.20
		12	13	22.52	22.58	22.41	24.20
		25	0	22.45	22.48	22.36	24.20
	16QAM	1	0	22.79	22.71	22.38	24.20
		1	13	22.78	22.97	22.58	24.20
		1	24	22.9	22.4	22.34	24.20
		12	0	21.61	21.7	21.57	23.20
		12	6	21.63	21.62	21.58	23.20
		12	13	21.61	21.7	21.45	23.20
	64QAM	25	0	21.62	21.55	21.47	23.20
		1	0	21.67	21.25	21.45	23.20
		1	13	21.51	21.36	21.33	23.20
		1	24	21.26	21.35	21.29	23.20
		12	0	20.23	20.40	20.41	22.20
		12	6	20.35	20.38	20.24	22.20
		12	13	20.44	20.49	20.36	22.20
		25	0	20.38	20.39	20.33	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.51	23.31	23.52	25.20
		1	25	23.58	23.44	23.32	25.20
		1	49	23.24	23.43	23.3	25.20
		25	0	22.39	22.45	22.46	24.20
		25	13	22.49	22.53	22.37	24.20
		25	25	22.44	22.41	22.45	24.20
	16QAM	50	0	22.43	22.44	22.37	24.20
		1	0	22.74	22.56	22.46	24.20
		1	25	22.83	22.83	22.66	24.20
		1	49	22.88	22.42	22.23	24.20
		25	0	21.74	21.66	21.52	23.20
		25	13	21.63	21.75	21.52	23.20
	64QAM	25	25	21.58	21.67	21.43	23.20
		50	0	21.56	21.6	21.43	23.20
		1	0	21.47	21.23	21.48	23.20
		1	25	21.48	21.33	21.28	23.20
		1	49	21.20	21.37	21.29	23.20
		25	0	20.27	20.39	20.44	22.20
		25	13	20.44	20.46	20.35	22.20
		25	25	20.32	20.33	20.34	22.20
		50	0	20.40	20.41	20.28	22.20
	16QAM	1	0	22.82	22.55	22.33	24.20
		1	38	22.83	23.01	22.57	24.20
	QPSK	1	0	23.54	23.3	23.57	25.20
		1	38	23.43	23.5	23.24	25.20
		1	74	23.28	23.37	23.2	25.20
		36	0	22.38	22.45	22.49	24.20
		36	18	22.47	22.49	22.47	24.20
		36	39	22.46	22.52	22.34	24.20
		75	0	22.46	22.48	22.32	24.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.54	23.3	23.57	25.20
		1	38	23.43	23.5	23.24	25.20
		1	74	23.28	23.37	23.2	25.20
		36	0	22.38	22.45	22.49	24.20
		36	18	22.47	22.49	22.47	24.20
		36	39	22.46	22.52	22.34	24.20
		75	0	22.46	22.48	22.32	24.20
	16QAM	1	0	22.82	22.55	22.33	24.20
		1	38	22.83	23.01	22.57	24.20

		1	74	22.77	22.56	22.2	24.20
		36	0	21.74	21.51	21.45	23.20
		36	18	21.63	21.77	21.55	23.20
		36	39	21.59	21.72	21.57	23.20
		75	0	21.53	21.65	21.55	23.20
	64QAM	1	0	21.45	21.27	21.55	23.20
		1	38	21.33	21.40	21.22	23.20
		1	74	21.21	21.29	21.28	23.20
		36	0	20.30	20.39	20.37	22.20
		36	18	20.38	20.38	20.46	22.20
		36	39	20.38	20.46	20.22	22.20
		75	0	20.37	20.42	20.24	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	23.51	23.36	23.53	25.20
		1	50	23.49	23.54	23.33	25.20
		1	99	23.29	23.45	23.25	25.20
		50	0	22.43	22.51	22.43	24.20
		50	25	22.43	22.44	22.42	24.20
		50	50	22.44	22.51	22.35	24.20
		100	0	22.43	22.44	22.37	24.20
	16QAM	1	0	22.84	22.63	22.36	24.20
		1	50	22.78	22.93	22.62	24.20
		1	99	22.85	22.46	22.29	24.20
		50	0	21.7	21.6	21.55	23.20
		50	25	21.65	21.67	21.59	23.20
		50	50	21.6	21.7	21.51	23.20
		100	0	21.59	21.59	21.52	23.20
	64QAM	1	0	21.46	21.34	21.41	23.20
		1	50	21.39	21.48	21.31	23.20
		1	99	21.28	21.40	21.27	23.20
		50	0	20.33	20.50	20.35	22.20
		50	25	20.34	20.39	20.30	22.20
		50	50	20.40	20.43	20.23	22.20
		100	0	20.34	20.34	20.27	22.20

LTE Band 4 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.51	21.53	21.53	23.20
		1	2	21.52	21.47	21.55	23.20
		1	5	21.32	21.3	21.61	23.20
		3	0	21.56	21.41	21.62	23.20
		3	2	21.65	21.5	21.58	23.20
		3	3	21.61	21.55	21.6	23.20
		6	0	21.64	21.53	21.63	23.20
	16QAM	1	0	21.88	22.06	21.57	23.20
		1	2	21.72	21.83	21.55	23.20
		1	5	21.62	21.64	21.49	23.20
		3	0	21.67	21.45	21.48	23.20
		3	2	21.59	21.51	21.46	23.20
		3	3	21.65	21.6	21.62	23.20

		6	0	21.5	21.44	21.54	23.20
		1	0	21.96	21.63	21.61	23.20
		1	2	21.39	21.34	21.37	23.20
		1	5	21.47	21.30	21.21	23.20
		3	0	21.48	21.33	21.37	23.20
		3	2	21.36	21.28	21.39	23.20
		3	3	21.62	21.21	21.24	23.20
		6	0	21.65	21.41	21.44	22.20
Bandwidth	Modulation	RB size	RB offset	20.39	20.37	20.32	Tune up
				19965	20175	20385	
		1	0	21.54	21.41	21.54	23.20
		1	7	21.62	21.59	21.58	23.20
		1	14	21.4	21.43	21.48	23.20
		8	0	21.67	21.42	21.54	23.20
		8	4	21.63	21.52	21.44	23.20
		8	7	21.48	21.59	21.64	23.20
		15	0	21.53	21.62	21.54	23.20
		1	0	21.85	22.06	21.51	23.20
		1	7	21.63	21.8	21.45	23.20
		1	14	21.62	21.65	21.57	23.20
		8	0	21.67	21.6	21.44	23.20
		8	4	21.54	21.66	21.54	23.20
		8	7	21.66	21.72	21.47	23.20
		15	0	21.65	21.54	21.51	23.20
		1	0	21.48	21.33	21.61	23.20
		1	7	21.30	21.48	21.30	23.20
		1	14	21.27	21.49	21.24	23.20
		8	0	20.37	20.37	20.36	22.20
		8	4	20.25	20.28	20.30	22.20
		8	7	20.37	20.51	20.28	22.20
		15	0	20.40	20.38	20.36	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
		1	0	21.5	21.56	21.48	23.20
		1	13	21.59	21.44	21.51	23.20
		1	24	21.27	21.39	21.47	23.20
		12	0	21.71	21.49	21.56	23.20
		12	6	21.64	21.58	21.47	23.20
		12	13	21.62	21.7	21.49	23.20
		25	0	21.59	21.54	21.62	23.20
		1	0	21.84	21.93	21.46	23.20
		1	13	21.57	21.85	21.51	23.20
		1	24	21.7	21.62	21.55	23.20
		12	0	21.78	21.52	21.61	23.20
		12	6	21.5	21.5	21.45	23.20
		12	13	21.74	21.69	21.64	23.20
		25	0	21.57	21.55	21.64	23.20
		1	0	21.67	21.25	21.45	23.20
		1	13	21.51	21.36	21.33	23.20
		1	24	21.26	21.35	21.29	23.20
		12	0	20.23	20.40	20.41	22.20
		12	6	20.35	20.38	20.24	22.20
		12	13	20.44	20.49	20.36	22.20
		25	0	20.38	20.39	20.33	22.20

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.53	21.5	21.54	23.20
		1	25	21.61	21.52	21.62	23.20
		1	49	21.33	21.31	21.63	23.20
		25	0	21.68	21.43	21.5	23.20
		25	13	21.66	21.6	21.6	23.20
		25	25	21.61	21.65	21.54	23.20
		50	0	21.63	21.65	21.6	23.20
	16QAM	1	0	21.74	21.95	21.44	23.20
		1	25	21.53	21.77	21.44	23.20
		1	49	21.69	21.78	21.52	23.20
		25	0	21.65	21.42	21.45	23.20
		25	13	21.69	21.51	21.6	23.20
		25	25	21.66	21.6	21.62	23.20
		50	0	21.58	21.46	21.59	23.20
	64QAM	1	0	21.47	21.23	21.48	23.20
		1	25	21.48	21.33	21.28	23.20
		1	49	21.20	21.37	21.29	23.20
		25	0	20.27	20.39	20.44	22.20
		25	13	20.44	20.46	20.35	22.20
		25	25	20.32	20.33	20.34	22.20
		50	0	20.40	20.41	20.28	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.52	21.41	21.49	23.20
		1	38	21.53	21.57	21.54	23.20
		1	74	21.41	21.24	21.48	23.20
		36	0	21.71	21.43	21.54	23.20
		36	18	21.52	21.63	21.61	23.20
		36	39	21.42	21.7	21.61	23.20
		75	0	21.65	21.49	21.63	23.20
	16QAM	1	0	21.87	22.03	21.6	23.20
		1	38	21.53	21.73	21.55	23.20
		1	74	21.62	21.8	21.46	23.20
		36	0	21.64	21.49	21.53	23.20
		36	18	21.51	21.48	21.64	23.20
		36	39	21.74	21.79	21.64	23.20
		75	0	21.54	21.49	21.57	23.20
	64QAM	1	0	21.45	21.27	21.55	23.20
		1	38	21.33	21.40	21.22	23.20
		1	74	21.21	21.29	21.28	23.20
		36	0	20.30	20.39	20.37	22.20
		36	18	20.38	20.38	20.46	22.20
		36	39	20.38	20.46	20.22	22.20
		75	0	20.37	20.42	20.24	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	21.57	21.49	21.52	23.20
		1	50	21.61	21.83	21.7	23.20
		1	99	21.33	21.33	21.65	23.20
		50	0	21.64	21.78	21.57	23.20
		50	25	21.59	21.57	21.53	23.20
		50	50	21.52	21.62	21.62	23.20

	16QAM	100	0	21.58	21.55	21.52	23.20
		1	0	21.82	21.8	21.45	23.20
		1	50	21.63	21.79	21.6	23.20
		1	99	21.62	21.7	21.62	23.20
		50	0	21.69	21.51	21.46	23.20
		50	25	21.6	21.58	21.53	23.20
		50	50	21.64	21.69	21.64	23.20
		100	0	21.59	21.52	21.54	23.20
	64QAM	1	0	21.46	21.34	21.41	23.20
		1	50	21.39	21.48	21.31	23.20
		1	99	21.28	21.40	21.27	23.20
		50	0	20.33	20.50	20.35	22.20
		50	25	20.34	20.39	20.30	22.20
		50	50	20.40	20.43	20.23	22.20
		100	0	20.34	20.34	20.27	22.20

LTE Band 4 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	17.07	17.08	17.17	18.20
		1	2	17.15	17.13	17.07	18.20
		1	5	17.04	17.01	17.01	18.20
		3	0	17.12	17.16	17.05	18.20
		3	2	17.24	17.17	17.17	18.20
		3	3	17.12	17.16	17.06	18.20
		6	0	17.09	17.16	16.99	18.20
	16QAM	1	0	17.36	17.29	17.45	18.20
		1	2	17.4	17.43	17.39	18.20
		1	5	17.26	17.23	17.15	18.20
		3	0	17.15	17.13	17.07	18.20
		3	2	17.2	17.14	17.07	18.20
		3	3	17.09	17.2	17.1	18.20
		6	0	17.04	17.17	17.1	18.20
	64QAM	1	0	17.01	17.05	17.15	18.20
		1	2	17.08	17.05	17.03	18.20
		1	5	16.97	16.97	16.95	18.20
		3	0	17.04	17.11	16.95	18.20
		3	2	17.12	17.11	17.10	18.20
		3	3	17.07	17.06	16.96	18.20
		6	0	17.07	17.08	16.92	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	17.15	17	17.11	18.20
		1	7	17.12	17.2	17.16	18.20
		1	14	17.03	16.92	17.03	18.20
		8	0	17.14	17.19	17.09	18.20
		8	4	17.23	17.15	17.08	18.20
		8	7	17.14	17.23	17.05	18.20
		15	0	17.09	17.19	17.01	18.20
	16QAM	1	0	17.38	17.31	17.37	18.20
		1	7	17.4	17.41	17.35	18.20
		1	14	17.33	17.23	17.24	18.20

		8	0	17.2	17.14	17.09	18.20
		8	4	17.13	17.15	17.09	18.20
		8	7	17.16	17.22	17.06	18.20
		15	0	17.06	17.12	17.11	18.20
	64QAM	1	0	17.12	16.91	17.07	18.20
		1	7	17.08	17.12	17.10	18.20
		1	14	16.91	16.81	16.91	18.20
		8	0	17.05	17.18	17.01	18.20
		8	4	17.16	17.05	16.98	18.20
		8	7	17.06	17.21	16.98	18.20
		15	0	16.99	17.11	16.99	18.20
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	17.06	17	17.17	18.20
		1	13	17.12	17.22	17.11	18.20
		1	24	17.02	16.93	17.02	18.20
		12	0	17.11	17.11	17.04	18.20
		12	6	17.23	17.14	17.09	18.20
		12	13	17.08	17.25	17.05	18.20
		25	0	17.19	17.13	17.01	18.20
	16QAM	1	0	17.35	17.32	17.38	18.20
		1	13	17.47	17.35	17.43	18.20
		1	24	17.24	17.26	17.24	18.20
		12	0	17.13	17.17	17.08	18.20
		12	6	17.18	17.22	17.05	18.20
		12	13	17.16	17.13	17.05	18.20
		25	0	17.11	17.15	17.11	18.20
	64QAM	1	0	17.04	16.92	17.10	18.20
		1	13	17.07	17.19	17.01	18.20
		1	24	16.98	16.87	16.96	18.20
		12	0	17.03	17.06	17.01	18.20
		12	6	17.11	17.03	17.02	18.20
		12	13	16.96	17.13	16.94	18.20
		25	0	17.12	17.03	16.92	18.20
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	17.07	17.02	17.08	18.20
		1	25	17.13	17.17	17.06	18.20
		1	49	16.99	17	17.02	18.20
		25	0	17.2	17.17	17.04	18.20
		25	13	17.17	17.18	17.15	18.20
		25	25	17.12	17.25	17.06	18.20
		50	0	17.09	17.2	17.07	18.20
	16QAM	1	0	17.39	17.32	17.41	18.20
		1	25	17.43	17.42	17.41	18.20
		1	49	17.28	17.3	17.23	18.20
		25	0	17.19	17.15	17.01	18.20
		25	13	17.12	17.15	17.07	18.20
		25	25	17.1	17.16	17.02	18.20
		50	0	17.11	17.16	17.07	18.20
	64QAM	1	0	17.05	16.93	17.05	18.20
		1	25	17.06	17.14	16.95	18.20
		1	49	16.95	16.94	16.95	18.20
		25	0	17.15	17.13	17.00	18.20

		25	13	17.09	17.06	17.03	18.20
		25	25	17.09	17.14	16.98	18.20
		50	0	17.04	17.11	17.03	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.14	17.02	17.14	18.20
		1	38	17.15	17.15	17.15	18.20
		1	74	17.02	17	17	18.20
		36	0	17.18	17.1	17.12	18.20
		36	18	17.25	17.16	17.09	18.20
		36	39	17.13	17.19	16.99	18.20
		75	0	17.14	17.16	17	18.20
	16QAM	1	0	17.34	17.29	17.47	18.20
		1	38	17.41	17.36	17.35	18.20
		1	74	17.33	17.25	17.18	18.20
		36	0	17.16	17.1	17.05	18.20
		36	18	17.16	17.23	17.14	18.20
		36	39	17.13	17.14	17.07	18.20
		75	0	17.11	17.19	17.02	18.20
	64QAM	1	0	17.12	16.96	17.08	18.20
		1	38	17.08	17.07	17.13	18.20
		1	74	16.95	16.91	16.97	18.20
		36	0	17.15	16.99	17.09	18.20
		36	18	17.14	17.14	17.04	18.20
		36	39	17.03	17.18	16.87	18.20
		75	0	17.04	17.13	16.98	18.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	17.10	17.03	17.13	18.20
		1	50	17.13	17.48	17.14	18.20
		1	99	17.00	16.97	16.99	18.20
		50	0	17.16	17.51	17.08	18.20
		50	25	17.20	17.17	17.13	18.20
		50	50	17.10	17.20	17.04	18.20
		100	0	17.14	17.16	17.04	18.20
	16QAM	1	0	17.39	17.33	17.42	18.20
		1	50	17.43	17.40	17.40	18.20
		1	99	17.29	17.26	17.19	18.20
		50	0	17.15	17.15	17.06	18.20
		50	25	17.16	17.19	17.09	18.20
		50	50	17.11	17.18	17.05	18.20
		100	0	17.09	17.15	17.06	18.20
	64QAM	1	0	17.05	16.91	17.11	18.20
		1	50	17.10	17.41	17.12	18.20
		1	99	16.98	16.87	16.87	18.20
		50	0	17.14	17.09	17.05	18.20
		50	25	17.11	17.15	17.10	18.20
		50	50	17.05	17.09	16.98	18.20
		100	0	17.09	17.10	17.02	18.20

LTE Band 7 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.22	23.27	23.23	25.20
		1	13	23.34	23.36	23.51	25.20
		1	24	23.39	23.29	23.57	25.20
		12	0	22.31	22.37	22.48	24.20
		12	6	22.32	22.35	22.52	24.20
		12	13	22.43	22.44	22.58	24.20
		25	0	22.37	22.42	22.55	24.20
	16QAM	1	0	22.46	22.28	22.42	24.20
		1	13	22.47	22.53	22.68	24.20
		1	24	22.63	22.60	22.72	24.20
		12	0	21.26	21.40	21.48	23.20
		12	6	21.35	21.37	21.45	23.20
		12	13	21.46	21.43	21.46	23.20
		25	0	21.32	21.31	21.53	23.20
	64QAM	1	0	21.25	21.26	21.20	23.20
		1	13	21.28	21.24	21.49	23.20
		1	24	21.31	21.23	21.48	23.20
		12	0	20.23	20.25	20.42	22.20
		12	6	20.26	20.33	20.51	22.20
		12	13	20.38	20.40	20.48	22.20
		25	0	20.32	20.34	20.52	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	23.21	23.28	23.21	25.20
		1	25	23.43	23.32	23.53	25.20
		1	49	23.32	23.28	23.61	25.20
		25	0	22.30	22.30	22.51	24.20
		25	13	22.36	22.35	22.49	24.20
		25	25	22.46	22.40	22.56	24.20
		50	0	22.29	22.41	22.48	24.20
	16QAM	1	0	22.38	22.26	22.38	24.20
		1	25	22.55	22.49	22.67	24.20
		1	49	22.54	22.55	22.68	24.20
		25	0	21.31	21.33	21.47	23.20
		25	13	21.31	21.31	21.41	23.20
		25	25	21.40	21.42	21.55	23.20
		50	0	21.37	21.34	21.51	23.20
	64QAM	1	0	21.22	21.23	21.21	23.20
		1	25	21.32	21.28	21.44	23.20
		1	49	21.27	21.21	21.58	23.20
		25	0	20.21	20.29	20.43	22.20
		25	13	20.28	20.32	20.37	22.20
		25	25	20.37	20.35	20.50	22.20
		50	0	20.25	20.40	20.47	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	23.31	23.33	23.30	25.20
		1	38	23.42	23.29	23.48	25.20

		1	74	23.32	23.34	23.59	25.20
		36	0	22.24	22.39	22.50	24.20
		36	18	22.35	22.38	22.48	24.20
		36	39	22.40	22.40	22.49	24.20
		75	0	22.35	22.44	22.51	24.20
	16QAM	1	0	22.35	22.29	22.34	24.20
		1	38	22.45	22.50	22.66	24.20
		1	74	22.56	22.62	22.72	24.20
		36	0	21.23	21.38	21.47	23.20
		36	18	21.36	21.28	21.51	23.20
		36	39	21.42	21.37	21.57	23.20
		75	0	21.29	21.32	21.55	23.20
	64QAM	1	0	21.28	21.21	21.25	23.20
		1	38	21.38	21.27	21.44	23.20
		1	74	21.26	21.27	21.50	23.20
		36	0	20.23	20.37	20.45	22.20
		36	18	20.29	20.28	20.45	22.20
		36	39	20.39	20.34	20.47	22.20
		75	0	20.28	20.32	20.47	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	23.21	23.28	23.21	25.20
		1	50	23.35	23.28	23.43	25.20
		1	99	23.31	23.29	23.52	25.20
		50	0	22.22	22.29	22.50	24.20
		50	25	22.33	22.31	22.46	24.20
		50	50	22.40	22.34	22.49	24.20
		100	0	22.28	22.34	22.45	24.20
	16QAM	1	0	22.36	22.27	22.33	24.20
		1	50	22.45	22.46	22.6	24.20
		1	99	22.53	22.52	22.64	24.20
		50	0	21.21	21.3	21.43	23.20
		50	25	21.29	21.28	21.42	23.20
		50	50	21.39	21.37	21.47	23.20
		100	0	21.28	21.31	21.46	23.20
	64QAM	1	0	21.28	21.22	21.25	23.20
		1	50	21.26	21.22	21.35	23.20
		1	99	21.29	21.28	21.49	23.20
		50	0	20.26	20.24	20.38	22.20
		50	25	20.28	20.23	20.38	22.20
		50	50	20.37	20.22	20.41	22.20
		100	0	20.28	20.25	20.40	22.20



LTE Band 7 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	17.29	17.26	17.27	19.20
		1	13	17.27	17.24	17.33	19.20
		1	24	17.29	17.27	17.37	19.20
		12	0	17.25	17.35	17.41	19.20
		12	6	17.31	17.37	17.38	19.20
		12	13	17.42	17.41	17.34	19.20
		25	0	17.25	17.33	17.37	19.20
	16QAM	1	0	17.43	17.33	17.36	19.20
		1	13	17.49	17.57	17.64	19.20
		1	24	17.51	17.55	17.60	19.20
		12	0	17.30	17.32	17.38	19.20
		12	6	17.32	17.34	17.32	19.20
		12	13	17.39	17.38	17.37	19.20
		25	0	17.29	17.31	17.40	19.20
	64QAM	1	0	17.41	17.21	17.28	19.20
		1	13	17.43	17.52	17.52	19.20
		1	24	17.40	17.54	17.59	19.20
		12	0	17.24	17.20	17.26	19.20
		12	6	17.22	17.27	17.22	19.20
		12	13	17.32	17.35	17.34	19.20
		25	0	17.21	17.21	17.29	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	17.28	17.25	17.26	19.20
		1	25	17.33	17.26	17.32	19.20
		1	49	17.32	17.31	17.41	19.20
		25	0	17.29	17.31	17.43	19.20
		25	13	17.31	17.37	17.36	19.20
		25	25	17.45	17.40	17.34	19.20
		50	0	17.24	17.37	17.37	19.20
	16QAM	1	0	17.38	17.32	17.33	19.20
		1	25	17.53	17.55	17.56	19.20
		1	49	17.52	17.56	17.58	19.20
		25	0	17.25	17.29	17.38	19.20
		25	13	17.40	17.31	17.34	19.20
		25	25	17.39	17.43	17.45	19.20
		50	0	17.35	17.30	17.40	19.20
	64QAM	1	0	17.33	17.31	17.28	19.20
		1	25	17.50	17.54	17.44	19.20
		1	49	17.49	17.48	17.53	19.20
		25	0	17.22	17.22	17.37	19.20
		25	13	17.35	17.27	17.27	19.20
		25	25	17.30	17.40	17.38	19.20
		50	0	17.33	17.22	17.38	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	17.29	17.30	17.25	19.20
		1	38	17.34	17.29	17.33	19.20

		1	74	17.26	17.27	17.38	19.20
		36	0	17.21	17.35	17.42	19.20
		36	18	17.30	17.33	17.33	19.20
		36	39	17.45	17.39	17.39	19.20
		75	0	17.24	17.35	17.34	19.20
	16QAM	1	0	17.42	17.36	17.33	19.20
		1	38	17.50	17.54	17.62	19.20
		1	74	17.52	17.62	17.57	19.20
		36	0	17.22	17.34	17.43	19.20
		36	18	17.40	17.32	17.33	19.20
		36	39	17.36	17.37	17.37	19.20
		75	0	17.31	17.35	17.38	19.20
	64QAM	1	0	17.38	17.32	17.29	19.20
		1	38	17.40	17.42	17.58	19.20
		1	74	17.51	17.61	17.50	19.20
		36	0	17.21	17.25	17.42	19.20
		36	18	17.29	17.27	17.32	19.20
		36	39	17.35	17.31	17.31	19.20
		75	0	17.30	17.25	17.29	19.20
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	17.29	17.25	17.3	19.20
		1	50	17.29	17.25	17.31	19.20
		1	99	17.26	17.29	17.39	19.20
		50	0	17.22	17.31	17.48	19.20
		50	25	17.28	17.36	17.36	19.20
		50	50	17.38	17.44	17.39	19.20
		100	0	17.25	17.37	17.33	19.20
	16QAM	1	0	17.44	17.32	17.34	19.20
		1	50	17.55	17.55	17.63	19.20
		1	99	17.5	17.59	17.55	19.20
		50	0	17.25	17.28	17.41	19.20
		50	25	17.33	17.3	17.38	19.20
		50	50	17.36	17.44	17.43	19.20
		100	0	17.27	17.27	17.36	19.20
	64QAM	1	0	17.39	17.20	17.32	19.20
		1	50	17.44	17.53	17.58	19.20
		1	99	17.49	17.56	17.45	19.20
		50	0	17.21	17.27	17.32	19.20
		50	25	17.23	17.28	17.36	19.20
		50	50	17.24	17.38	17.39	19.20
		100	0	17.26	17.21	17.29	19.20



LTE Band 7 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.29	12.28	12.29	14.20
		1	13	12.38	12.47	12.45	14.20
		1	24	12.26	12.24	12.34	14.20
		12	0	12.31	12.28	12.31	14.20
		12	6	12.37	12.47	12.44	14.20
		12	13	12.57	12.46	12.55	14.20
		25	0	12.38	12.34	12.32	14.20
	16QAM	1	0	12.21	12.26	12.36	14.20
		1	13	12.43	12.37	12.45	14.20
		1	24	12.37	12.25	12.24	14.20
		12	0	12.22	12.25	12.28	14.20
		12	6	12.41	12.34	12.37	14.20
		12	13	12.58	12.52	12.4	14.20
		25	0	12.37	12.43	12.39	14.20
	64QAM	1	0	12.24	12.25	12.22	14.20
		1	13	12.30	12.38	12.34	14.20
		1	24	12.21	12.20	12.24	14.20
		12	0	12.28	12.23	12.27	14.20
		12	6	12.36	12.42	12.39	14.20
		12	13	12.46	12.39	12.50	14.20
		25	0	12.30	12.22	12.24	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	12.3	12.25	12.41	14.20
		1	25	12.37	12.53	12.39	14.20
		1	49	12.24	12.3	12.48	14.20
		25	0	12.28	12.41	12.4	14.20
		25	13	12.46	12.49	12.36	14.20
		25	25	12.5	12.39	12.44	14.20
		50	0	12.54	12.41	12.38	14.20
	16QAM	1	0	12.26	12.23	12.29	14.20
		1	25	12.41	12.42	12.38	14.20
		1	49	12.25	12.25	12.23	14.20
		25	0	12.32	12.3	12.28	14.20
		25	13	12.48	12.41	12.34	14.20
		25	25	12.46	12.6	12.41	14.20
		50	0	12.49	12.49	12.22	14.20
	64QAM	1	0	12.28	12.22	12.36	14.20
		1	25	12.33	12.42	12.27	14.20
		1	49	12.26	12.29	12.40	14.20
		25	0	12.21	12.39	12.33	14.20
		25	13	12.40	12.44	12.25	14.20
		25	25	12.48	12.34	12.43	14.20
		50	0	12.44	12.38	12.35	14.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.31	12.3	12.26	14.20
		1	38	12.57	12.38	12.34	14.20

		1	74	12.33	12.34	12.37	14.20
		36	0	12.37	12.33	12.47	14.20
		36	18	12.48	12.41	12.24	14.20
		36	39	12.62	12.36	12.46	14.20
		75	0	12.46	12.42	12.32	14.20
	16QAM	1	0	12.39	12.34	12.35	14.20
		1	38	12.32	12.44	12.57	14.20
		1	74	12.22	12.29	12.25	14.20
		36	0	12.27	12.38	12.25	14.20
		36	18	12.47	12.47	12.44	14.20
		36	39	12.55	12.6	12.43	14.20
		75	0	12.44	12.43	12.25	14.20
	64QAM	1	0	12.29	12.25	12.21	14.20
		1	38	12.53	12.32	12.31	14.20
		1	74	12.27	12.23	12.31	14.20
		36	0	12.26	12.28	12.43	14.20
		36	18	12.41	12.30	12.23	14.20
		36	39	12.59	12.28	12.44	14.20
		75	0	12.34	12.38	12.30	14.20
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	12.35	12.25	12.34	14.20
		1	50	12.41	12.41	12.41	14.20
		1	99	12.21	12.31	12.41	14.20
		50	0	12.32	12.37	12.37	14.20
		50	25	12.39	12.44	12.34	14.20
		50	50	12.52	12.45	12.52	14.20
		100	0	12.44	12.41	12.39	14.20
	16QAM	1	0	12.25	12.23	12.29	14.20
		1	50	12.42	12.47	12.47	14.20
		1	99	12.29	12.22	12.20	14.20
		50	0	12.20	12.21	12.24	14.20
		50	25	12.45	12.43	12.37	14.20
		50	50	12.53	12.61	12.50	14.20
		100	0	12.41	12.39	12.32	14.20
	64QAM	1	0	12.31	12.21	12.26	14.20
		1	50	12.37	12.42	12.35	14.20
		1	99	12.24	12.22	12.35	14.20
		50	0	12.28	12.26	12.27	14.20
		50	25	12.28	12.36	12.26	14.20
		50	50	12.51	12.38	12.51	14.20
		100	0	12.42	12.30	12.29	14.20

LTE Band 7 Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.34	21.26	21.32	23.20
		1	13	21.49	21.5	21.38	23.20
		1	24	21.47	21.43	21.35	23.20
		12	0	21.34	21.49	21.28	23.20
		12	6	21.49	21.43	21.6	23.20
		12	13	21.39	21.27	21.4	23.20
		25	0	21.47	21.51	21.4	23.20
	16QAM	1	0	21.59	21.46	21.48	23.20
		1	13	21.37	21.47	21.28	23.20
		1	24	21.44	21.44	21.38	23.20
		12	0	21.41	21.51	21.44	23.20
		12	6	21.47	21.52	21.48	23.20
		12	13	21.38	21.55	21.36	23.20
		25	0	21.35	21.46	21.53	23.20
	64QAM	1	0	21.25	21.26	21.20	23.20
		1	13	21.28	21.24	21.49	23.20
		1	24	21.31	21.23	21.48	23.20
		12	0	20.23	20.25	20.42	22.20
		12	6	20.26	20.33	20.51	22.20
		12	13	20.38	20.40	20.48	22.20
		25	0	20.32	20.34	20.52	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	21.4	21.31	21.29	23.20
		1	25	21.37	21.31	21.37	23.20
		1	49	21.52	21.39	21.23	23.20
		25	0	21.41	21.47	21.36	23.20
		25	13	21.5	21.34	21.58	23.20
		25	25	21.29	21.31	21.41	23.20
		50	0	21.5	21.47	21.31	23.20
	16QAM	1	0	21.6	21.46	21.56	23.20
		1	25	21.34	21.5	21.44	23.20
		1	49	21.42	21.28	21.39	23.20
		25	0	21.36	21.49	21.53	23.20
		25	13	21.39	21.44	21.61	23.20
		25	25	21.48	21.44	21.39	23.20
		50	0	21.29	21.43	21.41	23.20
	64QAM	1	0	21.22	21.23	21.21	23.20
		1	25	21.32	21.28	21.44	23.20
		1	49	21.27	21.21	21.58	23.20
		25	0	20.21	20.29	20.43	22.20
		25	13	20.28	20.32	20.37	22.20
		25	25	20.37	20.35	20.50	22.20
		50	0	20.25	20.40	20.47	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.24	21.44	21.3	23.20
		1	38	21.39	21.41	21.23	23.20

		1	74	21.42	21.44	21.38	23.20
		36	0	21.38	21.43	21.2	23.20
		36	18	21.39	21.42	21.53	23.20
		36	39	21.33	21.44	21.52	23.20
		75	0	21.5	21.37	21.29	23.20
	16QAM	1	0	21.61	21.5	21.45	23.20
		1	38	21.41	21.34	21.46	23.20
		1	74	21.25	21.46	21.35	23.20
		36	0	21.4	21.5	21.37	23.20
		36	18	21.34	21.53	21.49	23.20
		36	39	21.4	21.54	21.35	23.20
		75	0	21.43	21.48	21.42	23.20
	64QAM	1	0	21.28	21.21	21.25	23.20
		1	38	21.38	21.27	21.44	23.20
		1	74	21.26	21.27	21.50	23.20
		36	0	20.23	20.37	20.45	22.20
		36	18	20.29	20.28	20.45	22.20
		36	39	20.39	20.34	20.47	22.20
		75	0	20.28	20.32	20.47	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	21.33	21.34	21.36	23.20
		1	50	21.39	21.41	21.31	23.20
		1	99	21.42	21.44	21.32	23.20
		50	0	21.32	21.42	21.28	23.20
		50	25	21.44	21.42	21.51	23.20
		50	50	21.39	21.35	21.43	23.20
		100	0	21.42	21.41	21.36	23.20
	16QAM	1	0	21.51	21.49	21.52	23.20
		1	50	21.37	21.41	21.36	23.20
		1	99	21.34	21.36	21.35	23.20
		50	0	21.39	21.47	21.44	23.20
		50	25	21.43	21.48	21.51	23.20
		50	50	21.47	21.51	21.44	23.20
		100	0	21.35	21.44	21.44	23.20
	64QAM	1	0	21.28	21.22	21.25	23.20
		1	50	21.26	21.22	21.35	23.20
		1	99	21.29	21.28	21.49	23.20
		50	0	20.26	20.24	20.38	22.20
		50	25	20.28	20.23	20.38	22.20
		50	50	20.37	20.22	20.41	22.20
		100	0	20.28	20.25	20.40	22.20

LTE Band 38 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	23.63	23.75	23.73	25.20
		1	13	23.83	23.81	23.78	25.20
		1	24	23.72	23.74	23.74	25.20
		12	0	22.63	22.76	22.71	24.20
		12	6	22.76	22.66	22.79	24.20
		12	13	22.80	22.77	22.64	24.20
		25	0	22.71	22.60	22.70	24.20
	16QAM	1	0	22.67	22.68	22.62	24.20
		1	13	22.72	22.68	22.79	24.20
		1	24	22.63	22.48	22.71	24.20
		12	0	21.60	21.71	21.65	23.20
		12	6	21.68	21.73	21.72	23.20
		12	13	21.79	21.74	21.71	23.20
		25	0	21.70	21.67	21.79	23.20
	64QAM	1	0	21.56	21.69	21.70	23.20
		1	13	21.73	21.75	21.71	23.20
		1	24	21.61	21.67	21.68	23.20
		12	0	20.57	20.70	20.68	22.20
		12	6	20.66	20.64	20.71	22.20
		12	13	20.69	20.71	20.58	22.20
		25	0	20.67	20.52	20.60	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	23.54	23.67	23.65	25.20
		1	25	23.77	23.78	23.81	25.20
		1	49	23.76	23.73	23.76	25.20
		25	0	22.67	22.74	22.75	24.20
		25	13	22.77	22.71	22.77	24.20
		25	25	22.83	22.72	22.64	24.20
		50	0	22.76	22.62	22.80	24.20
	16QAM	1	0	22.66	22.60	22.65	24.20
		1	25	22.70	22.66	22.79	24.20
		1	49	22.62	22.52	22.72	24.20
		25	0	21.52	21.81	21.60	23.20
		25	13	21.69	21.78	21.74	23.20
		25	25	21.75	21.78	21.68	23.20
		50	0	21.74	21.70	21.79	23.20
	64QAM	1	0	21.48	21.63	21.61	23.20
		1	25	21.75	21.73	21.74	23.20
		1	49	21.69	21.70	21.65	23.20
		25	0	20.56	20.62	20.72	22.20
		25	13	20.66	20.64	20.73	22.20
		25	25	20.81	20.70	20.60	22.20
		50	0	20.73	20.53	20.73	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	23.62	23.72	23.66	25.20
		1	38	23.82	23.80	23.74	25.20

		1	74	23.78	23.76	23.70	25.20
		36	0	22.62	22.67	22.71	24.20
		36	18	22.74	22.66	22.77	24.20
		36	39	22.83	22.68	22.61	24.20
		75	0	22.70	22.67	22.78	24.20
	16QAM	1	0	22.71	22.62	22.62	24.20
		1	38	22.77	22.69	22.70	24.20
		1	74	22.66	22.53	22.73	24.20
		36	0	21.61	21.74	21.62	23.20
		36	18	21.66	21.77	21.75	23.20
		36	39	21.82	21.76	21.74	23.20
		75	0	21.76	21.64	21.73	23.20
	64QAM	1	0	21.53	21.61	21.54	23.20
		1	38	21.78	21.70	21.72	23.20
		1	74	21.66	21.74	21.69	23.20
		36	0	20.56	20.66	20.67	22.20
		36	18	20.64	20.63	20.68	22.20
		36	39	20.82	20.58	20.54	22.20
		75	0	20.66	20.64	20.77	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	23.38	23.51	23.48	25.20
		1	50	23.62	23.58	23.56	25.20
		1	99	23.56	23.53	23.64	25.20
		50	0	22.44	22.51	22.61	24.20
		50	25	22.55	22.50	22.58	24.20
		50	50	22.60	22.53	22.46	24.20
		100	0	22.54	22.42	22.55	24.20
	16QAM	1	0	22.48	22.44	22.40	24.20
		1	50	22.55	22.49	22.55	24.20
		1	99	22.47	22.32	22.48	24.20
		50	0	21.37	21.56	21.45	23.20
		50	25	21.45	21.56	21.55	23.20
		50	50	21.57	21.54	21.52	23.20
		100	0	21.51	21.45	21.54	23.20
	64QAM	1	0	21.37	21.40	21.43	23.20
		1	50	21.57	21.56	21.54	23.20
		1	99	21.44	21.49	21.61	23.20
		50	0	20.42	20.50	20.52	22.20
		50	25	20.45	20.44	20.48	22.20
		50	50	20.59	20.51	20.45	22.20
		100	0	20.43	20.41	20.51	22.20



LTE Band 38 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	20.42	20.35	20.40	22.20
		1	13	20.61	20.56	20.51	22.20
		1	24	20.39	20.43	20.46	22.20
		12	0	20.48	20.59	20.53	22.20
		12	6	20.48	20.57	20.40	22.20
		12	13	20.54	20.54	20.44	22.20
		25	0	20.49	20.47	20.55	22.20
	16QAM	1	0	20.28	20.40	20.40	22.20
		1	13	20.51	20.56	20.52	22.20
		1	24	20.37	20.40	20.42	22.20
		12	0	20.51	20.58	20.52	22.20
		12	6	20.54	20.53	20.59	22.20
		12	13	20.56	20.53	20.53	22.20
		25	0	20.56	20.60	20.49	22.20
	64QAM	1	0	20.37	20.26	20.38	22.20
		1	13	20.60	20.55	20.40	22.20
		1	24	20.34	20.36	20.38	22.20
		12	0	20.43	20.48	20.50	22.20
		12	6	20.46	20.53	20.39	22.20
		12	13	20.50	20.51	20.40	22.20
		25	0	20.39	20.41	20.50	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.38	20.40	20.42	22.20
		1	25	20.57	20.56	20.56	22.20
		1	49	20.46	20.40	20.40	22.20
		25	0	20.43	20.51	20.52	22.20
		25	13	20.54	20.58	20.56	22.20
		25	25	20.61	20.50	20.48	22.20
		50	0	20.45	20.51	20.50	22.20
	16QAM	1	0	20.28	20.37	20.42	22.20
		1	25	20.51	20.56	20.50	22.20
		1	49	20.40	20.44	20.44	22.20
		25	0	20.50	20.55	20.59	22.20
		25	13	20.51	20.56	20.60	22.20
		25	25	20.60	20.48	20.46	22.20
		50	0	20.54	20.56	20.59	22.20
	64QAM	1	0	20.33	20.34	20.40	22.20
		1	25	20.45	20.51	20.46	22.20
		1	49	20.41	20.35	20.32	22.20
		25	0	20.42	20.41	20.44	22.20
		25	13	20.46	20.56	20.49	22.20
		25	25	20.60	20.48	20.45	22.20
		50	0	20.44	20.48	20.43	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	20.41	20.35	20.45	22.20
		1	38	20.58	20.64	20.50	22.20

		1	74	20.40	20.47	20.46	22.20
		36	0	20.48	20.50	20.58	22.20
		36	18	20.47	20.53	20.55	22.20
		36	39	20.62	20.57	20.45	22.20
		75	0	20.45	20.55	20.53	22.20
	16QAM	1	0	20.38	20.44	20.46	22.20
		1	38	20.52	20.50	20.53	22.20
		1	74	20.41	20.39	20.35	22.20
		36	0	20.48	20.55	20.57	22.20
		36	18	20.52	20.53	20.61	22.20
		36	39	20.57	20.52	20.48	22.20
		75	0	20.55	20.55	20.53	22.20
	64QAM	1	0	20.38	20.34	20.40	22.20
		1	38	20.50	20.55	20.49	22.20
		1	74	20.32	20.36	20.43	22.20
		36	0	20.39	20.46	20.49	22.20
		36	18	20.40	20.51	20.49	22.20
		36	39	20.58	20.47	20.36	22.20
		75	0	20.37	20.43	20.41	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	20.4	20.41	20.41	22.20
		1	50	20.61	20.65	20.5	22.20
		1	99	20.47	20.38	20.37	22.20
		50	0	20.48	20.55	20.59	22.20
		50	25	20.53	20.56	20.55	22.20
		50	50	20.6	20.56	20.45	22.20
		100	0	20.48	20.54	20.52	22.20
	16QAM	1	0	20.33	20.4	20.43	22.20
		1	50	20.56	20.51	20.45	22.20
		1	99	20.44	20.42	20.41	22.20
		50	0	20.5	20.62	20.53	22.20
		50	25	20.51	20.57	20.6	22.20
		50	50	20.55	20.53	20.47	22.20
		100	0	20.56	20.58	20.56	22.20
	64QAM	1	0	20.36	20.40	20.32	22.20
		1	50	20.59	20.56	20.38	22.20
		1	99	20.42	20.29	20.36	22.20
		50	0	20.38	20.43	20.55	22.20
		50	25	20.48	20.54	20.47	22.20
		50	50	20.57	20.48	20.33	22.20
		100	0	20.39	20.42	20.43	22.20

LTE Band 38 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	13.84	13.81	13.80	15.70
		1	13	14.02	13.97	13.88	15.70
		1	24	13.76	13.85	13.79	15.70
		12	0	13.79	13.90	13.99	15.70
		12	6	13.80	14.02	13.91	15.70
		12	13	14.03	13.97	13.86	15.70
		25	0	13.78	13.95	13.85	15.70
	16QAM	1	0	13.76	13.77	13.82	15.70
		1	13	13.85	13.88	13.75	15.70
		1	24	13.83	13.83	13.80	15.70
		12	0	13.90	13.82	13.87	15.70
		12	6	13.87	13.96	13.83	15.70
		12	13	13.96	13.81	13.91	15.70
		25	0	13.94	13.90	13.85	15.70
	64QAM	1	0	13.82	13.79	13.73	15.70
		1	13	13.92	13.88	13.80	15.70
		1	24	13.77	13.77	13.78	15.70
		12	0	13.75	13.85	13.96	15.70
		12	6	13.74	13.95	13.88	15.70
		12	13	13.99	13.93	13.75	15.70
		25	0	13.78	13.86	13.76	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	13.72	13.77	13.79	15.70
		1	25	13.89	13.91	13.99	15.70
		1	49	13.82	13.97	13.73	15.70
		25	0	13.80	13.94	13.97	15.70
		25	13	13.94	13.94	14.02	15.70
		25	25	13.98	13.81	13.74	15.70
		50	0	13.95	13.80	13.90	15.70
	16QAM	1	0	13.87	13.73	13.87	15.70
		1	25	13.92	13.98	13.77	15.70
		1	49	13.76	13.86	13.72	15.70
		25	0	13.80	13.98	13.85	15.70
		25	13	13.98	13.86	13.98	15.70
		25	25	13.90	13.86	13.78	15.70
		50	0	13.97	13.95	13.90	15.70
	64QAM	1	0	13.77	13.75	13.75	15.70
		1	25	13.87	13.88	13.94	15.70
		1	49	13.70	13.92	13.78	15.70
		25	0	13.70	13.84	13.90	15.70
		25	13	13.84	13.89	13.95	15.70
		25	25	13.86	13.76	13.71	15.70
		50	0	13.90	13.79	13.87	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	13.76	13.82	13.76	15.70
		1	38	13.85	13.93	13.97	15.70

		1	74	13.89	13.71	13.85	15.70
		36	0	13.84	13.88	13.97	15.70
		36	18	13.89	13.87	14.01	15.70
		36	39	13.88	13.90	13.74	15.70
		75	0	13.83	13.88	13.88	15.70
	16QAM	1	0	13.71	13.80	13.72	15.70
		1	38	13.79	13.95	13.86	15.70
		1	74	13.76	13.85	13.78	15.70
		36	0	13.72	13.90	13.95	15.70
		36	18	13.88	13.99	13.95	15.70
		36	39	13.97	13.93	13.85	15.70
		75	0	13.90	13.89	13.96	15.70
	64QAM	1	0	13.70	13.70	13.75	15.70
		1	38	13.82	13.83	13.86	15.70
		1	74	13.80	13.71	13.75	15.70
		36	0	13.83	13.83	13.92	15.70
		36	18	13.87	13.84	14.00	15.70
		36	39	13.77	13.80	13.73	15.70
		75	0	13.80	13.87	13.86	15.70
Bandwidth	Modulation	RB size	RB offset	Channel 37850	Channel 38000	Channel 38150	Tune up
20MHz	QPSK	1	0	13.76	13.73	13.79	15.70
		1	50	13.92	13.95	13.90	15.70
		1	99	13.79	13.78	13.96	15.70
		50	0	13.81	13.90	13.94	15.70
		50	25	13.87	13.93	13.93	15.70
		50	50	13.94	13.88	13.82	15.70
		100	0	13.85	13.87	13.86	15.70
	16QAM	1	0	13.88	13.75	13.77	15.70
		1	50	13.87	13.89	13.84	15.70
		1	99	13.77	13.76	13.75	15.70
		50	0	13.81	13.92	13.92	15.70
		50	25	13.88	13.90	13.91	15.70
		50	50	13.92	13.87	13.86	15.70
		100	0	13.88	13.94	13.89	15.70
	64QAM	1	0	13.77	13.71	13.76	15.70
		1	50	13.90	13.84	13.89	15.70
		1	99	13.72	13.71	13.85	15.70
		50	0	13.72	13.84	13.91	15.70
		50	25	13.79	13.85	13.83	15.70
		50	50	13.85	13.84	13.74	15.70
		100	0	13.83	13.81	13.81	15.70

LTE Band 41 Full power				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	23.23	23.24	23.47	23.33	23.36	23.70
		1	13	23.27	23.4	23.39	23.31	23.35	23.70
		1	24	23.17	23.3	23.34	23.21	23.33	23.70
		12	0	22.22	22.15	22.27	22.16	22.38	22.70
		12	6	22.23	22.3	22.32	22.23	22.33	22.70
		12	13	22.31	22.27	22.37	22.24	22.22	22.70
		25	0	22.27	22.3	22.34	22.27	22.37	22.70
	16QAM	1	0	22.22	22.28	22.26	22.27	22.24	22.70
		1	13	22.21	22.31	22.46	22.34	22.22	22.70
		1	24	22.31	22.23	22.43	22.23	22.33	22.70
		12	0	21.14	21.15	21.25	21.13	21.18	21.70
		12	6	21.23	21.15	21.33	21.2	21.33	21.70
		12	13	21.29	21.15	21.4	21.2	21.32	21.70
		25	0	21.24	21.17	21.29	21.28	21.4	21.70
	64QAM	1	0	21.12	21.21	21.44	21.21	21.33	21.70
		1	13	21.18	21.36	21.32	21.26	21.26	21.70
		1	24	21.09	21.21	21.25	21.13	21.25	21.70
		12	0	20.10	20.07	20.22	20.07	20.30	20.70
		12	6	20.19	20.26	20.21	20.22	20.24	20.70
		12	13	20.23	20.23	20.25	20.14	20.21	20.70
		25	0	20.22	20.21	20.33	20.16	20.26	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	23.27	23.22	23.4	23.27	23.38	23.70
		1	25	23.31	23.41	23.41	23.41	23.35	23.70
		1	49	23.29	23.28	23.31	23.19	23.27	23.70
		25	0	22.27	22.17	22.32	22.29	22.38	22.70
		25	13	22.28	22.15	22.3	22.3	22.24	22.70
		25	25	22.23	22.15	22.31	22.33	22.35	22.70
		50	0	22.32	22.15	22.45	22.29	22.32	22.70
	16QAM	1	0	22.36	22.21	22.26	22.32	22.25	22.70
		1	25	22.29	22.22	22.45	22.37	22.21	22.70
		1	49	22.24	22.31	22.41	22.23	22.32	22.70
		25	0	21.13	21.12	21.2	21.19	21.2	21.70
		25	13	21.14	21.13	21.21	21.26	21.32	21.70
		25	25	21.23	21.22	21.26	21.26	21.33	21.70
		50	0	21.35	21.31	21.45	21.38	21.43	21.70
	64QAM	1	0	21.26	21.17	21.36	21.16	21.28	21.70
		1	25	21.28	21.40	21.40	21.39	21.29	21.70
		1	49	21.21	21.21	21.25	21.09	21.21	21.70
		25	0	20.16	20.11	20.31	20.22	20.34	20.70
		25	13	20.16	20.11	20.27	20.20	20.17	20.70
		25	25	20.20	20.03	20.22	20.31	20.29	20.70
		50	0	20.26	20.14	20.34	20.17	20.27	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	23.31	23.26	23.43	23.34	23.34	23.70
		1	38	23.3	23.35	23.45	23.36	23.4	23.70

		1	74	23.22	23.29	23.35	23.27	23.35	23.70
		36	0	22.29	22.21	22.3	22.24	22.3	22.70
		36	18	22.24	22.22	22.37	22.29	22.3	22.70
		36	39	22.25	22.21	22.36	22.27	22.29	22.70
		75	0	22.27	22.23	22.39	22.3	22.34	22.70
	16QAM	1	0	22.28	22.25	22.32	22.35	22.29	22.70
		1	38	22.28	22.27	22.46	22.35	22.28	22.70
		1	74	22.24	22.3	22.35	22.23	22.25	22.70
		36	0	21.11	21.18	21.27	21.21	21.23	21.70
		36	18	21.19	21.13	21.29	21.2	21.27	21.70
		36	39	21.26	21.23	21.33	21.25	21.31	21.70
		75	0	21.28	21.25	21.37	21.3	21.36	21.70
	64QAM	1	0	21.29	21.14	21.37	21.26	21.22	21.70
		1	38	21.25	21.28	21.33	21.29	21.33	21.70
		1	74	21.16	21.20	21.28	21.25	21.25	21.70
		36	0	20.25	20.15	20.24	20.19	20.23	20.70
		36	18	20.22	20.15	20.34	20.27	20.24	20.70
		36	39	20.21	20.09	20.24	20.20	20.24	20.70
		75	0	20.15	20.14	20.36	20.28	20.33	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.30	23.23	23.28	23.28	23.29	23.70
		1	50	23.30	23.36	23.46	23.38	23.31	23.70
		1	99	23.22	23.34	23.33	23.24	23.49	23.70
		50	0	22.16	22.26	22.35	22.33	22.39	22.70
		50	25	22.30	22.29	22.38	22.28	22.38	22.70
		50	50	22.33	22.33	22.38	22.27	22.32	22.70
		100	0	22.25	22.27	22.35	22.29	22.38	22.70
	16QAM	1	0	22.24	22.16	22.32	22.26	22.35	22.70
		1	50	22.26	22.28	22.46	22.37	22.41	22.70
		1	99	22.17	22.26	22.31	22.26	22.27	22.70
		50	0	21.11	21.15	21.32	21.32	21.40	21.70
		50	25	21.30	21.27	21.39	21.30	21.42	21.70
		50	50	21.34	21.29	21.39	21.23	21.34	21.70
		100	0	21.25	21.28	21.35	21.31	21.37	21.70
	64QAM	1	0	21.24	21.22	21.23	21.18	21.17	21.70
		1	50	21.26	21.33	21.45	21.35	21.19	21.70
		1	99	21.19	21.29	21.29	21.13	21.13	21.70
		50	0	20.15	20.17	20.30	20.26	20.35	20.70
		50	25	20.24	20.27	20.32	20.20	20.36	20.70
		50	50	20.23	20.27	20.26	20.25	20.29	20.70
		100	0	20.15	20.15	20.28	20.28	20.27	20.70

LTE Band 41 Sensor on				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	22.22	22.14	22.35	22.19	22.39	22.70
		1	13	22.32	22.27	22.55	22.32	22.37	22.70
		1	24	22.16	22.28	22.41	22.09	22.17	22.70
		12	0	22.33	22.26	22.28	22.3	22.24	22.70
		12	6	22.31	22.42	22.4	22.32	22.21	22.70
		12	13	22.14	22.31	22.3	22.17	22.19	22.70
		25	0	22.32	22.21	22.32	22.33	22.28	22.70
	16QAM	1	0	22.29	22.22	22.42	22.31	22.21	22.70
		1	13	22.23	22.39	22.28	22.31	22.17	22.70
		1	24	22.24	22.23	22.21	22.39	22.33	22.70
		12	0	21.25	21.06	21.46	21.13	21.39	21.70
		12	6	21.34	21.4	21.42	21.17	21.38	21.70
		12	13	21.34	21.28	21.22	21.31	21.36	21.70
		25	0	21.09	21.38	21.18	21.38	21.38	21.70
	64QAM	1	0	21.12	21.21	21.44	21.21	21.33	21.70
		1	13	21.18	21.36	21.32	21.26	21.26	21.70
		1	24	21.09	21.21	21.25	21.13	21.25	21.70
		12	0	20.10	20.07	20.22	20.07	20.30	20.70
		12	6	20.19	20.26	20.21	20.22	20.24	20.70
		12	13	20.23	20.23	20.25	20.14	20.21	20.70
		25	0	20.22	20.21	20.33	20.16	20.26	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.24	22.32	22.32	22.19	22.34	22.70
		1	25	22.26	22.42	22.53	22.28	22.27	22.70
		1	49	22.1	22.37	22.36	22.27	22.31	22.70
		25	0	22.23	22.13	22.28	22.33	22.27	22.70
		25	13	22.22	22.36	22.35	22.32	22.23	22.70
		25	25	22.21	22.42	22.37	22.26	22.32	22.70
		50	0	22.39	22.08	22.31	22.31	22.25	22.70
	16QAM	1	0	22.24	22.36	22.38	22.34	22.32	22.70
		1	25	22.2	22.31	22.27	22.35	22.23	22.70
		1	49	22.3	22.13	22.3	22.21	22.24	22.70
		25	0	21.2	21	21.41	21.24	21.41	21.70
		25	13	21.2	21.33	21.37	21.18	21.51	21.70
		25	25	21.35	21.33	21.21	21.25	21.39	21.70
		50	0	21.12	21.44	21.22	21.25	21.36	21.70
	64QAM	1	0	21.26	21.17	21.36	21.16	21.28	21.70
		1	25	21.28	21.40	21.40	21.39	21.29	21.70
		1	49	21.21	21.21	21.25	21.09	21.21	21.70
		25	0	20.16	20.11	20.31	20.22	20.34	20.70
		25	13	20.16	20.11	20.27	20.20	20.17	20.70
		25	25	20.20	20.03	20.22	20.31	20.29	20.70
		50	0	20.26	20.14	20.34	20.17	20.27	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.3	22.31	22.3	22.17	22.3	22.70
		1	38	22.31	22.31	22.56	22.27	22.31	22.70

		1	74	22.27	22.43	22.27	22.15	22.3	22.70
		36	0	22.24	22.15	22.36	22.16	22.25	22.70
		36	18	22.33	22.47	22.44	22.41	22.18	22.70
		36	39	22.19	22.38	22.36	22.26	22.3	22.70
		75	0	22.35	22.19	22.31	22.23	22.34	22.70
	16QAM	1	0	22.35	22.41	22.4	22.23	22.37	22.70
		1	38	22.13	22.28	22.19	22.29	22.14	22.70
		1	74	22.24	22.25	22.35	22.29	22.28	22.70
		36	0	21.28	21.16	21.42	21.14	21.53	21.70
		36	18	21.33	21.38	21.36	21.2	21.42	21.70
		36	39	21.29	21.27	21.37	21.22	21.46	21.70
		75	0	21.23	21.44	21.29	21.24	21.18	21.70
	64QAM	1	0	21.29	21.14	21.37	21.26	21.22	21.70
		1	38	21.25	21.28	21.33	21.29	21.33	21.70
		1	74	21.16	21.20	21.28	21.25	21.25	21.70
		36	0	20.25	20.15	20.24	20.19	20.23	20.70
		36	18	20.22	20.15	20.34	20.27	20.24	20.70
		36	39	20.21	20.09	20.24	20.20	20.24	20.70
		75	0	20.15	20.14	20.36	20.28	20.33	20.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.26	22.24	22.3	22.24	22.3	22.70
		1	50	22.31	22.33	22.47	22.34	22.27	22.70
		1	99	22.17	22.36	22.33	22.19	22.49	22.70
		50	0	22.25	22.23	22.3	22.24	22.39	22.70
		50	25	22.26	22.38	22.43	22.38	22.28	22.70
		50	50	22.23	22.36	22.35	22.2	22.22	22.70
		100	0	22.31	22.18	22.24	22.28	22.31	22.70
	16QAM	1	0	22.3	22.32	22.48	22.33	22.29	22.70
		1	50	22.21	22.36	22.28	22.26	22.21	22.70
		1	99	22.29	22.23	22.26	22.3	22.27	22.70
		50	0	21.19	21.07	21.42	21.23	21.49	21.70
		50	25	21.29	21.31	21.46	21.23	21.44	21.70
		50	50	21.33	21.29	21.3	21.26	21.38	21.70
		100	0	21.15	21.35	21.27	21.33	21.28	21.70
	64QAM	1	0	21.24	21.22	21.23	21.18	21.17	21.70
		1	50	21.26	21.33	21.45	21.35	21.19	21.70
		1	99	21.19	21.29	21.29	21.13	21.13	21.70
		50	0	20.15	20.17	20.30	20.26	20.35	20.70
		50	25	20.24	20.27	20.32	20.20	20.36	20.70
		50	50	20.23	20.27	20.26	20.25	20.29	20.70
		100	0	20.15	20.15	20.28	20.28	20.27	20.70

LTE Band 41 Receiver on&Hotspot on				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	16.45	16.35	16.52	16.32	16.57	16.70
		1	13	16.4	16.46	16.57	16.33	16.39	16.70
		1	24	16.3	16.37	16.5	16.26	16.3	16.70
		12	0	16.28	16.37	16.56	16.44	16.55	16.70
		12	6	16.48	16.4	16.46	16.55	16.52	16.70
		12	13	16.51	16.48	16.6	16.61	16.57	16.70
		25	0	16.43	16.54	16.58	16.46	16.41	16.70
	16QAM	1	0	16.49	16.37	16.47	16.35	16.45	16.70
		1	13	16.62	16.57	16.34	16.43	16.57	16.70
		1	24	16.34	16.49	16.5	16.33	16.48	16.70
		12	0	16.46	16.46	16.58	16.43	16.5	16.70
		12	6	16.54	16.46	16.57	16.53	16.49	16.70
		12	13	16.59	16.5	16.59	16.48	16.51	16.70
		25	0	16.56	16.44	16.49	16.58	16.41	16.70
	64QAM	1	0	16.33	16.25	16.42	16.31	16.56	16.70
		1	13	16.32	16.40	16.53	16.27	16.37	16.70
		1	24	16.22	16.30	16.44	16.19	16.28	16.70
		12	0	16.17	16.35	16.44	16.43	16.46	16.70
		12	6	16.36	16.36	16.36	16.52	16.40	16.70
		12	13	16.43	16.46	16.57	16.50	16.53	16.70
		25	0	16.39	16.45	16.57	16.42	16.32	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	16.48	16.35	16.37	16.4	16.45	16.70
		1	25	16.56	16.52	16.64	16.45	16.52	16.70
		1	49	16.3	16.45	16.5	16.26	16.41	16.70
		25	0	16.28	16.42	16.65	16.48	16.54	16.70
		25	13	16.61	16.5	16.52	16.41	16.55	16.70
		25	25	16.45	16.53	16.46	16.46	16.56	16.70
		50	0	16.46	16.51	16.55	16.44	16.54	16.70
	16QAM	1	0	16.53	16.34	16.5	16.36	16.52	16.70
		1	25	16.61	16.39	16.53	16.59	16.51	16.70
		1	49	16.49	16.36	16.49	16.32	16.51	16.70
		25	0	16.44	16.45	16.5	16.54	16.55	16.70
		25	13	16.51	16.51	16.62	16.48	16.62	16.70
		25	25	16.59	16.53	16.56	16.5	16.43	16.70
		50	0	16.39	16.34	16.56	16.45	16.6	16.70
	64QAM	1	0	16.47	16.28	16.36	16.34	16.36	16.70
		1	25	16.53	16.47	16.63	16.36	16.44	16.70
		1	49	16.22	16.34	16.41	16.25	16.38	16.70
		25	0	16.24	16.32	16.57	16.36	16.50	16.70
		25	13	16.58	16.44	16.47	16.34	16.51	16.70
		25	25	16.35	16.49	16.41	16.35	16.51	16.70
		50	0	16.44	16.45	16.48	16.40	16.52	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	16.35	16.27	16.47	16.41	16.39	16.70
		1	38	16.43	16.4	16.58	16.33	16.45	16.70

		1	74	16.4	16.35	16.52	16.26	16.41	16.70
		36	0	16.37	16.4	16.47	16.46	16.46	16.70
		36	18	16.51	16.37	16.62	16.46	16.63	16.70
		36	39	16.63	16.4	16.66	16.52	16.51	16.70
		75	0	16.44	16.38	16.57	16.5	16.43	16.70
	16QAM	1	0	16.49	16.38	16.52	16.46	16.48	16.70
		1	38	16.58	16.41	16.65	16.41	16.54	16.70
		1	74	16.42	16.41	16.41	16.44	16.39	16.70
		36	0	16.3	16.38	16.53	16.51	16.54	16.70
		36	18	16.38	16.37	16.51	16.47	16.5	16.70
		36	39	16.61	16.5	16.63	16.44	16.61	16.70
		75	0	16.41	16.54	16.49	16.51	16.55	16.70
	64QAM	1	0	16.26	16.16	16.39	16.40	16.33	16.70
		1	38	16.40	16.34	16.54	16.23	16.35	16.70
		1	74	16.36	16.32	16.41	16.18	16.38	16.70
		36	0	16.28	16.37	16.38	16.38	16.43	16.70
		36	18	16.39	16.29	16.61	16.45	16.58	16.70
		36	39	16.52	16.38	16.60	16.49	16.49	16.70
		75	0	16.43	16.34	16.47	16.47	16.40	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	16.40	16.34	16.45	16.36	16.47	16.70
		1	50	16.46	16.45	16.59	16.43	16.49	16.70
		1	99	16.36	16.42	16.47	16.36	16.62	16.70
		50	0	16.38	16.46	16.55	16.51	16.60	16.70
		50	25	16.51	16.45	16.55	16.51	16.56	16.70
		50	50	16.55	16.48	16.56	16.51	16.47	16.70
		100	0	16.53	16.47	16.53	16.50	16.51	16.70
	16QAM	1	0	16.47	16.36	16.48	16.41	16.50	16.70
		1	50	16.52	16.48	16.61	16.51	16.53	16.70
		1	99	16.40	16.46	16.49	16.42	16.45	16.70
		50	0	16.39	16.45	16.48	16.51	16.55	16.70
		50	25	16.47	16.43	16.56	16.48	16.56	16.70
		50	50	16.55	16.46	16.58	16.51	16.52	16.70
		100	0	16.46	16.44	16.52	16.51	16.50	16.70
	64QAM	1	0	16.38	16.28	16.42	16.25	16.38	16.70
		1	50	16.36	16.39	16.53	16.42	16.45	16.70
		1	99	16.33	16.33	16.43	16.34	16.56	16.70
		50	0	16.37	16.44	16.51	16.41	16.55	16.70
		50	25	16.46	16.42	16.48	16.43	16.52	16.70
		50	50	16.53	16.41	16.50	16.45	16.40	16.70
		100	0	16.51	16.42	16.42	16.44	16.45	16.70

LTE Band 66 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.45	23.35	23.49	25.20
		1	2	23.58	23.43	23.31	25.20
		1	5	23.53	23.44	23.51	25.20
		3	0	23.46	23.36	23.37	25.20
		3	1	23.75	23.21	23.30	25.20
		3	3	23.63	23.46	23.45	25.20
		6	0	22.54	22.41	22.50	24.20
	16QAM	1	0	22.59	22.51	22.25	24.20
		1	2	22.59	22.32	22.72	24.20
		1	5	22.39	22.39	22.23	24.20
		3	0	22.47	22.52	22.43	24.20
		3	1	22.67	22.43	22.44	24.20
		3	3	22.46	22.42	22.40	24.20
		6	0	21.97	21.72	21.52	23.20
	64QAM	1	0	21.35	21.30	21.44	23.20
		1	2	21.50	21.37	21.25	23.20
		1	5	21.42	21.40	21.43	23.20
		3	0	21.45	21.35	21.33	23.20
		3	1	21.64	21.24	21.24	23.20
		3	3	21.57	21.36	21.42	23.20
		6	0	20.43	20.37	20.38	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.47	23.45	23.50	25.20
		1	7	23.64	23.52	23.34	25.20
		1	14	23.23	23.46	23.39	25.20
		8	0	22.56	22.56	22.55	24.20
		8	4	22.39	22.59	22.38	24.20
		8	7	22.54	22.45	22.44	24.20
		15	0	22.38	22.34	22.32	24.20
	16QAM	1	0	22.93	22.61	22.48	24.20
		1	7	22.78	22.99	22.58	24.20
		1	14	22.82	22.44	22.34	24.20
		8	0	21.58	21.68	21.54	23.20
		8	4	21.77	21.81	21.47	23.20
		8	7	21.51	21.65	21.57	23.20
		15	0	21.56	21.73	21.55	23.20
	64QAM	1	0	21.40	21.42	21.44	23.20
		1	7	21.62	21.50	21.33	23.20
		1	14	21.24	21.37	21.36	23.20
		8	0	20.50	20.50	20.49	22.20
		8	4	20.32	20.49	20.27	22.20
		8	7	20.48	20.41	20.41	22.20
		15	0	20.27	20.29	20.24	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.70	23.46	23.53	25.20
		1	13	23.48	23.36	23.39	25.20

		1	24	23.42	23.45	23.23	25.20
		12	0	22.46	22.32	22.47	24.20
		12	6	22.55	22.30	22.52	24.20
		12	13	22.55	22.50	22.23	24.20
		25	0	22.45	22.30	22.28	24.20
	16QAM	1	0	22.74	22.51	22.50	24.20
		1	13	22.88	23.05	22.52	24.20
		1	24	22.95	22.52	22.26	24.20
		12	0	21.58	21.45	21.41	23.20
		12	6	21.58	21.60	21.56	23.20
		12	13	21.48	21.76	21.58	23.20
		25	0	21.61	21.57	21.64	23.20
	64QAM	1	0	21.63	21.41	21.50	23.20
		1	13	21.36	21.27	21.35	23.20
		1	24	21.33	21.38	21.25	23.20
		12	0	20.39	20.24	20.45	22.20
		12	6	20.53	20.28	20.51	22.20
		12	13	20.45	20.44	20.20	22.20
		25	0	20.35	20.25	20.22	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	23.58	23.38	23.50	25.20
		1	25	23.42	23.49	23.40	25.20
		1	49	23.30	23.38	23.20	25.20
		25	0	22.39	22.47	22.47	24.20
		25	13	22.45	22.35	22.28	24.20
		25	25	22.50	22.55	22.40	24.20
		50	0	22.35	22.49	22.47	24.20
	16QAM	1	0	22.89	22.56	22.32	24.20
		1	25	22.93	22.86	22.72	24.20
		1	49	22.93	22.57	22.38	24.20
		25	0	21.55	21.74	21.62	23.20
		25	13	21.60	21.76	21.74	23.20
		25	25	21.67	21.71	21.48	23.20
		50	0	21.69	21.70	21.54	23.20
	64QAM	1	0	21.51	21.29	21.41	23.20
		1	25	21.38	21.37	21.34	23.20
		1	49	21.23	21.34	21.28	23.20
		25	0	20.27	20.46	20.39	22.20
		25	13	20.38	20.24	20.27	22.20
		25	25	20.48	20.46	20.33	22.20
		50	0	20.31	20.46	20.45	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	23.45	23.48	23.67	25.20
		1	38	23.60	23.34	23.35	25.20
		1	74	23.43	23.43	23.23	25.20
		36	0	22.50	22.47	22.57	24.20
		36	18	22.29	22.51	22.38	24.20
		36	39	22.59	22.52	22.29	24.20
		75	0	22.30	22.38	22.30	24.20
	16QAM	1	0	22.71	22.72	22.41	24.20
		1	38	22.70	22.81	22.74	24.20
		1	74	22.71	22.46	22.21	24.20

		36	0	21.77	21.46	21.43	23.20
		36	18	21.67	21.80	21.71	23.20
		36	39	21.71	21.74	21.56	23.20
		75	0	21.55	21.71	21.50	23.20
	64QAM	1	0	21.38	21.38	21.66	23.20
		1	38	21.58	21.31	21.25	23.20
		1	74	21.31	21.38	21.27	23.20
		36	0	20.42	20.35	20.54	22.20
		36	18	20.20	20.43	20.37	22.20
		36	39	20.53	20.43	20.29	22.20
		75	0	20.21	20.36	20.28	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	23.68	23.47	23.51	25.20
		1	50	23.50	23.68	23.46	25.20
		1	99	23.23	23.46	23.33	25.20
		50	0	22.30	22.59	22.32	24.20
		50	25	22.37	22.59	22.28	24.20
		50	50	22.37	22.55	22.44	24.20
		100	0	22.29	22.32	22.38	24.20
	16QAM	1	0	22.84	22.57	22.51	24.20
		1	50	22.86	22.93	22.65	24.20
		1	99	22.82	22.51	22.22	24.20
		50	0	21.65	21.52	21.65	23.20
		50	25	21.56	21.56	21.46	23.20
		50	50	21.66	21.69	21.62	23.20
		100	0	21.47	21.47	21.59	23.20
	64QAM	1	0	21.59	21.45	21.50	23.20
		1	50	21.40	21.31	21.35	23.20
		1	99	21.28	21.39	21.22	23.20
		50	0	20.27	20.32	20.27	22.20
		50	25	20.32	20.55	20.20	22.20
		50	50	20.30	20.49	20.32	22.20
		100	0	20.27	20.21	20.37	22.20

LTE Band 66 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	21.33	21.20	21.23	22.70
		1	2	20.97	21.04	21.04	22.70
		1	5	21.21	21.30	20.97	22.70
		3	0	21.45	21.11	21.29	22.70
		3	1	21.03	21.03	21.33	22.70
		3	3	21.35	21.17	20.94	22.70
		6	0	21.32	21.28	21.13	22.70
	16QAM	1	0	21.25	21.09	21.22	22.70
		1	2	20.83	21.26	21.05	22.70
		1	5	21.32	21.07	21.16	22.70
		3	0	21.16	21.19	21.26	22.70
		3	1	21.16	21.15	21.00	22.70
		3	3	21.46	21.23	21.20	22.70
		6	0	21.27	21.05	21.19	22.70
	64QAM	1	0	21.23	21.19	21.22	22.70
		1	2	20.94	20.92	20.94	22.70
		1	5	21.16	21.18	20.91	22.70
		3	0	21.36	21.10	21.21	22.70
		3	1	20.91	20.95	21.26	22.70
		3	3	21.28	21.12	20.87	22.70
		6	0	20.72	20.69	20.58	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	21.45	21.10	21.20	22.70
		1	7	21.02	21.00	21.12	22.70
		1	14	21.26	21.29	21.02	22.70
		8	0	21.50	21.20	21.43	22.70
		8	4	21.10	20.89	21.23	22.70
		8	7	21.31	21.13	20.94	22.70
		15	0	21.28	21.20	21.18	22.70
	16QAM	1	0	21.34	21.08	21.12	22.70
		1	7	20.91	21.30	21.12	22.70
		1	14	21.33	21.01	21.04	22.70
		8	0	21.28	21.33	21.25	22.70
		8	4	21.22	21.14	21.04	22.70
		8	7	21.46	21.18	21.17	22.70
		15	0	21.26	21.09	21.13	22.70
	64QAM	1	0	21.41	21.01	21.19	22.70
		1	7	20.90	20.95	21.03	22.70
		1	14	21.16	21.20	20.91	22.70
		8	0	20.88	20.63	20.82	22.20
		8	4	20.49	20.34	20.64	22.20
		8	7	20.73	20.52	20.40	22.20
		15	0	20.75	20.66	20.67	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	21.34	21.15	21.35	22.70
		1	13	20.97	21.10	21.11	22.70

		1	24	21.28	21.27	21.01	22.70
		12	0	21.50	21.17	21.42	22.70
		12	6	21.04	21.01	21.21	22.70
		12	13	21.25	21.21	20.82	22.70
		25	0	21.30	21.34	21.26	22.70
	16QAM	1	0	21.33	21.12	21.21	22.70
		1	13	20.98	21.20	21.05	22.70
		1	24	21.41	21.14	21.10	22.70
		12	0	21.23	21.34	21.32	22.70
		12	6	21.17	21.09	21.04	22.70
		12	13	21.54	21.22	21.22	22.70
		25	0	21.24	21.01	21.16	22.70
	64QAM	1	0	21.27	21.08	21.28	22.70
		1	13	20.96	21.04	21.05	22.70
		1	24	21.23	21.18	20.95	22.70
		12	0	20.96	20.60	20.82	22.20
		12	6	20.46	20.39	20.65	22.20
		12	13	20.71	20.67	20.30	22.20
		25	0	20.79	20.80	20.65	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	21.33	21.15	21.20	22.70
		1	25	21.02	21.12	21.12	22.70
		1	49	21.21	21.24	20.99	22.70
		25	0	21.43	21.23	21.36	22.70
		25	13	21.11	20.98	21.26	22.70
		25	25	21.36	21.14	20.95	22.70
		50	0	21.26	21.34	21.16	22.70
	16QAM	1	0	21.32	21.03	21.08	22.70
		1	25	20.96	21.27	21.11	22.70
		1	49	21.47	21.15	21.09	22.70
		25	0	21.15	21.25	21.25	22.70
		25	13	21.22	21.20	21.04	22.70
		25	25	21.58	21.25	21.26	22.70
		50	0	21.26	21.10	21.05	22.70
	64QAM	1	0	21.29	21.10	21.12	22.70
		1	25	20.90	21.01	21.08	22.70
		1	49	21.13	21.22	20.94	22.70
		25	0	20.87	20.69	20.85	22.20
		25	13	20.55	20.41	20.73	22.20
		25	25	20.85	20.63	20.33	22.20
		50	0	20.73	20.74	20.60	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	21.38	21.06	21.32	22.70
		1	38	20.96	21.00	21.07	22.70
		1	74	21.27	21.33	20.94	22.70
		36	0	21.52	21.19	21.36	22.70
		36	18	20.98	21.01	21.32	22.70
		36	39	21.31	21.09	20.85	22.70
		75	0	21.27	21.32	21.22	22.70
	16QAM	1	0	21.37	20.99	21.15	22.70
		1	38	20.97	21.29	21.03	22.70
		1	74	21.39	21.15	21.01	22.70

		36	0	21.30	21.30	21.29	22.70
		36	18	21.29	21.12	20.99	22.70
		36	39	21.45	21.33	21.20	22.70
		75	0	21.27	20.97	21.10	22.70
	64QAM	1	0	21.32	21.00	21.27	22.70
		1	38	20.90	20.89	21.04	22.70
		1	74	21.15	21.29	20.82	22.70
		36	0	20.98	20.60	20.78	22.20
		36	18	20.38	20.49	20.71	22.20
		36	39	20.74	20.54	20.33	22.20
		75	0	20.74	20.71	20.69	22.20
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	21.32	21.19	21.22	22.70
		1	50	21.02	21.55	21.10	22.70
		1	99	21.18	21.29	20.92	22.70
		50	0	21.51	21.52	21.36	22.70
		50	25	20.98	21.00	21.32	22.70
		50	50	21.34	21.10	20.95	22.70
		100	0	21.32	21.27	21.28	22.70
	16QAM	1	0	21.40	21.04	21.16	22.70
		1	50	20.87	21.31	21.02	22.70
		1	99	21.36	21.07	21.11	22.70
		50	0	21.18	21.28	21.36	22.70
		50	25	21.23	21.10	21.02	22.70
		50	50	21.50	21.33	21.21	22.70
		100	0	21.18	21.11	21.05	22.70
	64QAM	1	0	21.23	21.16	21.14	22.70
		1	50	21.01	21.51	21.09	22.70
		1	99	21.06	21.17	20.91	22.70
		50	0	20.92	20.93	20.78	22.20
		50	25	20.46	20.47	20.74	22.20
		50	50	20.75	20.48	20.41	22.20
		100	0	20.81	20.74	20.74	22.20

LTE Band 66 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	15.74	15.37	15.52	17.20
		1	2	15.50	15.52	15.59	17.20
		1	5	15.81	15.66	15.44	17.20
		3	0	15.77	15.43	15.62	17.20
		3	1	15.38	15.42	15.60	17.20
		3	3	15.26	15.52	15.22	17.20
		6	0	15.80	15.53	15.52	17.20
	16QAM	1	0	15.70	15.42	15.51	17.20
		1	2	15.71	15.42	15.45	17.20
		1	5	15.64	15.49	15.38	17.20
		3	0	15.59	15.48	15.59	17.20
		3	1	15.29	15.50	15.43	17.20
		3	3	15.80	15.60	15.43	17.20
		6	0	15.50	15.38	15.47	17.20
	64QAM	1	0	15.65	15.30	15.42	17.20
		1	2	15.44	15.46	15.56	17.20
		1	5	15.72	15.63	15.34	17.20
		3	0	15.70	15.32	15.53	17.20
		3	1	15.26	15.41	15.59	17.20
		3	3	15.20	15.51	15.27	17.20
		6	0	15.70	15.48	15.49	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	15.59	15.43	15.42	17.20
		1	7	15.54	15.37	15.48	17.20
		1	14	15.26	15.65	15.36	17.20
		8	0	15.69	15.36	15.61	17.20
		8	4	15.46	15.30	15.59	17.20
		8	7	16.01	15.46	15.36	17.20
		15	0	15.75	15.50	15.50	17.20
	16QAM	1	0	15.59	15.29	15.45	17.20
		1	7	15.31	15.50	15.37	17.20
		1	14	15.66	15.47	15.46	17.20
		8	0	15.50	15.45	15.45	17.20
		8	4	15.51	15.60	15.41	17.20
		8	7	15.71	15.57	15.54	17.20
		15	0	15.53	15.35	15.40	17.20
	64QAM	1	0	15.51	15.38	15.39	17.20
		1	7	15.51	15.31	15.47	17.20
		1	14	15.20	15.57	15.32	17.20
		8	0	15.65	15.31	15.59	17.20
		8	4	15.41	15.21	15.52	17.20
		8	7	15.90	15.40	15.32	17.20
		15	0	15.66	15.47	15.48	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	15.69	15.53	15.43	17.20
		1	13	15.52	15.40	15.56	17.20

		1	24	15.20	15.60	15.36	17.20
		12	0	15.69	15.48	15.64	17.20
		12	6	15.41	15.31	15.51	17.20
		12	13	16.01	15.52	15.36	17.20
		25	0	15.63	15.46	15.47	17.20
	16QAM	1	0	15.68	15.36	15.48	17.20
		1	13	15.71	15.45	15.41	17.20
		1	24	15.71	15.52	15.58	17.20
		12	0	15.53	15.46	15.42	17.20
		12	6	15.91	15.50	15.37	17.20
		12	13	15.70	15.57	15.52	17.20
		25	0	15.52	15.37	15.50	17.20
	64QAM	1	0	15.63	15.42	15.38	17.20
		1	13	15.43	15.39	15.50	17.20
		1	24	15.21	15.56	15.32	17.20
		12	0	15.67	15.37	15.54	17.20
		12	6	15.29	15.28	15.47	17.20
		12	13	15.92	15.48	15.27	17.20
		25	0	15.55	15.36	15.39	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	15.71	15.40	15.60	17.20
		1	25	15.36	15.56	15.49	17.20
		1	49	16.01	15.62	15.35	17.20
		25	0	15.82	15.44	15.68	17.20
		25	13	15.53	15.36	15.55	17.20
		25	25	15.24	15.61	15.22	17.20
		50	0	15.83	15.61	15.44	17.20
	16QAM	1	0	15.59	15.47	15.60	17.20
		1	25	15.29	15.51	15.27	17.20
		1	49	15.78	15.39	15.45	17.20
		25	0	15.53	15.51	15.58	17.20
		25	13	15.51	15.50	15.40	17.20
		25	25	15.70	15.49	15.40	17.20
		50	0	15.42	15.41	15.42	17.20
	64QAM	1	0	15.64	15.34	15.52	17.20
		1	25	15.35	15.51	15.44	17.20
		1	49	16.00	15.59	15.29	17.20
		25	0	15.71	15.41	15.65	17.20
		25	13	15.44	15.26	15.43	17.20
		25	25	15.23	15.51	15.24	17.20
		50	0	15.74	15.58	15.42	17.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	15.71	15.54	15.58	17.20
		1	38	15.37	15.43	15.52	17.20
		1	74	15.61	15.59	15.45	17.20
		36	0	15.75	15.42	15.67	17.20
		36	18	15.56	15.32	15.62	17.20
		36	39	15.22	15.49	15.22	17.20
		75	0	15.80	15.65	15.45	17.20
	16QAM	1	0	15.65	15.37	15.46	17.20
		1	38	15.29	15.56	15.38	17.20
		1	74	15.67	15.43	15.48	17.20

		36	0	15.56	15.53	15.47	17.20
		36	18	15.26	15.64	15.28	17.20
		36	39	15.67	15.66	15.51	17.20
		75	0	15.48	15.30	15.58	17.20
	64QAM	1	0	15.66	15.52	15.51	17.20
		1	38	15.34	15.37	15.40	17.20
		1	74	15.59	15.51	15.40	17.20
		36	0	15.72	15.37	15.66	17.20
		36	18	15.50	15.21	15.56	17.20
		36	39	15.27	15.48	15.21	17.20
		75	0	15.75	15.57	15.42	17.20
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	15.72	15.45	15.60	17.20
		1	50	15.35	15.86	15.42	17.20
		1	99	15.54	15.64	15.30	17.20
		50	0	15.58	15.65	15.59	17.20
		50	25	15.37	15.29	15.60	17.20
		50	50	15.64	15.49	15.21	17.20
		100	0	15.66	15.59	15.53	17.20
	16QAM	1	0	15.65	15.39	15.47	17.20
		1	50	15.23	15.60	15.41	17.20
		1	99	15.72	15.40	15.41	17.20
		50	0	15.55	15.59	15.61	17.20
		50	25	15.54	15.46	15.33	17.20
		50	50	15.85	15.58	15.56	17.20
		100	0	15.54	15.36	15.45	17.20
	64QAM	1	0	15.70	15.42	15.56	17.20
		1	50	15.33	15.83	15.36	17.20
		1	99	15.47	15.63	15.25	17.20
		50	0	15.69	15.62	15.66	17.20
		50	25	15.29	15.23	15.53	17.20
		50	50	15.58	15.38	15.22	17.20
		100	0	15.61	15.53	15.44	17.20

6 Conducted Power of Main Antenna(Ant6)

6.1 Conducted Power of LTE

LTE Band 42 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 42115	Channel 42590	Channel 43065	Tune up
5MHz	QPSK	1	0	22.05	21.51	22.00	23.00
		1	13	21.82	21.58	21.96	23.00
		1	24	21.85	21.37	21.78	23.00
		12	0	20.87	20.41	21.21	22.00
		12	6	21.03	20.55	21.18	22.00
		12	13	21.00	20.42	20.93	22.00
		25	0	20.76	20.41	21.02	22.00
	16QAM	1	0	20.82	20.41	21.15	22.00
		1	13	21.09	20.63	20.97	22.00
		1	24	20.78	20.41	20.96	22.00
		12	0	20.27	19.72	20.29	21.00
		12	6	20.17	19.66	20.17	21.00
		12	13	20.19	19.47	20.03	21.00
		25	0	20.08	19.72	20.02	21.00
	64QAM	1	0	20.01	19.39	19.97	21.00
		1	13	19.72	19.46	19.91	21.00
		1	24	19.77	19.30	19.66	21.00
		12	0	18.86	18.36	19.18	20.00
		12	6	18.99	18.53	19.08	20.00
		12	13	18.92	18.38	18.81	20.00
		25	0	18.70	18.31	19.00	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 42140	Channel 42590	Channel 43040	Tune up
10MHz	QPSK	1	0	22.02	21.41	21.82	23.00
		1	25	22.08	21.42	22.04	23.00
		1	49	21.76	21.16	21.72	23.00
		25	0	21.02	20.48	21.03	22.00
		25	13	20.98	20.41	21.09	22.00
		25	25	20.96	20.28	20.91	22.00
		50	0	20.93	20.40	20.93	22.00
	16QAM	1	0	20.84	20.51	21.16	22.00
		1	25	21.00	20.63	21.00	22.00
		1	49	20.67	20.45	20.93	22.00
		25	0	20.02	19.51	20.11	21.00
		25	13	20.03	19.58	20.15	21.00
		25	25	20.17	19.58	20.05	21.00
		50	0	20.14	19.48	19.96	21.00
	64QAM	1	0	20.01	19.38	19.81	21.00
		1	25	20.07	19.31	19.94	21.00
		1	49	19.72	19.06	19.64	21.00
		25	0	18.91	18.42	19.01	20.00
		25	13	18.86	18.31	18.98	20.00
		25	25	18.84	18.17	18.82	20.00
		50	0	18.88	18.32	18.88	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 42165	Channel 42590	Channel 43015	Tune up

15MHz	QPSK	1	0	21.93	21.40	22.04	23.00
		1	38	22.11	21.55	21.97	23.00
		1	74	21.58	21.23	21.69	23.00
		36	0	21.04	20.35	21.24	22.00
		36	18	21.12	20.50	21.04	22.00
		36	39	20.87	20.35	21.06	22.00
		75	0	20.98	20.32	21.07	22.00
	16QAM	1	0	20.93	20.53	21.15	22.00
		1	38	20.84	20.40	21.03	22.00
		1	74	20.84	20.34	20.81	22.00
		36	0	20.27	19.65	20.36	21.00
		36	18	20.04	19.77	20.02	21.00
		36	39	20.11	19.48	20.09	21.00
		75	0	19.95	19.69	20.07	21.00
	64QAM	1	0	19.82	19.36	20.01	21.00
		1	38	20.09	19.43	19.87	21.00
		1	74	19.55	19.16	19.66	21.00
		36	0	18.97	18.32	19.13	20.00
		36	18	19.05	18.41	18.94	20.00
		36	39	18.83	18.27	19.03	20.00
		75	0	18.94	18.31	19.03	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	21.93	21.41	21.93	23.00
		1	50	22.01	21.52	22.02	23.00
		1	99	21.66	21.41	21.77	23.00
		50	0	21.14	20.35	21.14	22.00
		50	25	20.94	20.58	21.13	22.00
		50	50	20.87	20.48	21.02	22.00
		100	0	20.99	20.49	21.08	22.00
	16QAM	1	0	20.81	20.29	21.16	22.00
		1	50	21.02	20.54	21.09	22.00
		1	99	20.90	20.24	20.91	22.00
		50	0	20.19	19.61	20.11	21.00
		50	25	20.06	19.53	20.19	21.00
		50	50	20.10	19.59	19.92	21.00
		100	0	20.17	19.57	20.01	21.00
	64QAM	1	0	19.90	19.30	19.90	21.00
		1	50	19.92	19.44	19.93	21.00
		1	99	19.57	19.37	19.71	21.00
		50	0	19.05	18.33	19.03	20.00
		50	25	18.82	18.51	19.10	20.00
		50	50	18.78	18.37	18.92	20.00
		100	0	18.89	18.39	19.03	20.00



LTE Band 42 Receiver on&Sensor on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	18.90	18.43	18.85	20.00
		1	13	18.95	18.51	18.98	20.00
		1	24	18.67	18.32	18.84	20.00
		12	0	19.01	18.51	19.05	20.00
		12	6	18.89	18.54	19.04	20.00
		12	13	18.62	18.38	18.88	20.00
		25	0	18.95	18.33	18.96	20.00
	16QAM	1	0	18.97	18.59	19.04	20.00
		1	13	18.71	18.20	18.86	20.00
		1	24	18.80	18.37	18.92	20.00
		12	0	19.10	18.59	19.05	20.00
		12	6	18.66	18.36	18.87	20.00
		12	13	19.03	18.32	18.97	20.00
		25	0	18.94	18.60	19.04	20.00
	64QAM	1	0	18.80	18.33	18.75	20.00
		1	13	18.94	18.40	18.92	20.00
		1	24	18.64	18.23	18.82	20.00
		12	0	18.93	18.48	19.04	20.00
		12	6	18.86	18.51	18.96	20.00
		12	13	18.60	18.37	18.82	20.00
		25	0	18.89	18.25	18.91	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	19.04	18.48	18.83	20.00
		1	25	19.06	18.60	18.96	20.00
		1	49	18.70	18.28	18.88	20.00
		25	0	18.97	18.38	18.99	20.00
		25	13	18.91	18.64	18.88	20.00
		25	25	18.62	18.26	18.84	20.00
		50	0	18.99	18.30	18.96	20.00
	16QAM	1	0	18.89	18.63	19.09	20.00
		1	25	18.59	18.22	18.72	20.00
		1	49	18.82	18.39	18.89	20.00
		25	0	19.05	18.52	18.94	20.00
		25	13	18.81	18.37	18.83	20.00
		25	25	19.06	18.28	18.87	20.00
		50	0	18.98	18.42	18.92	20.00
	64QAM	1	0	18.93	18.43	18.79	20.00
		1	25	18.94	18.59	18.88	20.00
		1	49	18.58	18.16	18.83	20.00
		25	0	18.88	18.34	18.92	20.00
		25	13	18.82	18.62	18.77	20.00
		25	25	18.61	18.16	18.78	20.00
		50	0	18.88	18.23	18.87	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	18.94	18.50	18.94	20.00
		1	38	18.88	18.45	19.08	20.00
		1	74	18.73	18.35	18.92	20.00
		36	0	18.92	18.47	18.95	20.00

		36	18	19.02	18.49	19.02	20.00
		36	39	18.60	18.35	18.97	20.00
		75	0	18.92	18.31	18.90	20.00
	16QAM	1	0	18.93	18.44	19.14	20.00
		1	38	18.75	18.29	18.75	20.00
		1	74	18.84	18.51	19.01	20.00
		36	0	19.04	18.44	19.02	20.00
		36	18	18.67	18.30	18.86	20.00
		36	39	18.94	18.31	18.97	20.00
		75	0	19.02	18.43	19.01	20.00
	64QAM	1	0	18.92	18.39	18.88	20.00
		1	38	18.79	18.37	19.07	20.00
		1	74	18.72	18.32	18.87	20.00
		36	0	18.86	18.43	18.87	20.00
		36	18	18.91	18.41	18.91	20.00
		36	39	18.55	18.33	18.85	20.00
		75	0	18.91	18.22	18.83	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 42190	Channel 42590	Channel 42990	Tune up
20MHz	QPSK	1	0	18.94	18.45	18.91	20.00
		1	50	18.96	18.81	19.09	20.00
		1	99	18.66	18.31	18.85	20.00
		50	0	18.96	18.79	19.01	20.00
		50	25	18.95	18.54	18.98	20.00
		50	50	18.67	18.30	18.87	20.00
		100	0	18.92	18.38	18.94	20.00
	16QAM	1	0	18.99	18.54	19.08	20.00
		1	50	18.68	18.24	18.82	20.00
		1	99	18.89	18.43	18.96	20.00
		50	0	19.01	18.52	18.98	20.00
		50	25	18.74	18.30	18.80	20.00
		50	50	18.97	18.37	18.96	20.00
		100	0	19.00	18.52	19.01	20.00
	64QAM	1	0	18.88	18.40	18.83	20.00
		1	50	18.95	18.78	19.01	20.00
		1	99	18.59	18.27	18.78	20.00
		50	0	18.92	18.68	18.98	20.00
		50	25	18.89	18.50	18.94	20.00
		50	50	18.61	18.22	18.80	20.00
		100	0	18.88	18.28	18.89	20.00

7 Conducted Power of Main Antenna(Ant8)

7.1 Conducted Power of LTE

LTE Band 2 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.77	23.89	23.72	25.50
		1	2	23.72	23.9	23.91	25.50
		1	5	23.87	23.7	23.93	25.50
		3	0	23.74	23.83	23.69	25.50
		3	2	23.77	23.8	23.73	25.50
		3	3	23.86	23.74	23.86	25.50
		6	0	22.81	22.78	22.79	24.50
	16QAM	1	0	22.81	22.96	23.13	24.50
		1	2	22.85	22.58	23.12	24.50
		1	5	23.02	22.84	23.27	24.50
		3	0	22.86	22.88	22.85	24.50
		3	2	22.9	22.67	22.75	24.50
		3	3	22.84	22.75	22.9	24.50
		6	0	21.84	21.88	21.77	23.50
	64QAM	1	0	21.68	21.84	21.68	23.50
		1	2	21.70	21.86	21.87	23.50
		1	5	21.79	21.68	21.86	23.50
		3	0	21.62	21.82	21.64	23.50
		3	2	21.67	21.73	21.65	23.50
		3	3	21.77	21.62	21.75	23.50
		6	0	20.74	20.77	20.68	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.75	23.78	23.78	25.50
		1	7	23.78	23.73	23.79	25.50
		1	14	23.9	23.79	23.91	25.50
		8	0	22.82	22.8	22.78	24.50
		8	4	22.78	22.72	22.81	24.50
		8	7	22.76	22.74	22.79	24.50
		15	0	22.77	22.7	22.79	24.50
	16QAM	1	0	22.74	23.27	23.07	24.50
		1	7	23.18	23.1	22.93	24.50
		1	14	23.19	22.68	23.27	24.50
		8	0	21.8	21.82	21.88	23.50
		8	4	21.81	21.67	21.8	23.50
		8	7	21.69	21.78	21.76	23.50
		15	0	21.67	21.63	21.84	23.50
	16QAM	1	0	21.63	21.71	21.76	23.50
		1	7	21.70	21.65	21.70	23.50
		1	14	21.88	21.78	21.80	23.50
		8	0	20.73	20.76	20.75	22.50
		8	4	20.67	20.70	20.70	22.50
		8	7	20.64	20.72	20.74	22.50
		15	0	20.75	20.66	20.74	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	

5MHz	QPSK	1	0	24.03	23.92	24.05	25.50
		1	13	23.89	23.84	24.02	25.50
		1	24	23.96	23.8	23.85	25.50
		12	0	22.8	22.83	22.83	24.50
		12	6	22.77	22.79	22.8	24.50
		12	13	22.76	22.77	22.81	24.50
		25	0	22.79	22.75	22.8	24.50
	16QAM	1	0	23.32	23.02	22.89	24.50
		1	13	22.93	22.71	23.11	24.50
		1	24	23.22	23.29	22.84	24.50
		12	0	21.76	21.81	21.83	23.50
		12	6	21.81	21.79	21.75	23.50
		12	13	21.74	21.71	21.77	23.50
		25	0	21.73	21.66	21.88	23.50
	16QAM	1	0	21.99	21.87	21.95	23.50
		1	13	21.81	21.73	21.93	23.50
		1	24	21.93	21.73	21.73	23.50
		12	0	20.73	20.76	20.72	22.50
		12	6	20.70	20.74	20.72	22.50
		12	13	20.68	20.65	20.80	22.50
		25	0	20.67	20.66	20.78	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	23.79	23.85	23.71	25.50
		1	25	23.85	23.88	23.81	25.50
		1	49	23.9	23.95	23.84	25.50
		25	0	22.77	22.83	22.84	24.50
		25	13	22.8	22.78	22.82	24.50
		25	25	22.8	22.66	22.77	24.50
		50	0	22.8	22.77	22.88	24.50
	16QAM	1	0	22.67	23.02	23.18	24.50
		1	25	22.89	22.78	23.14	24.50
		1	49	23.15	22.98	23.29	24.50
		25	0	21.74	21.88	21.87	23.50
		25	13	21.77	21.8	21.8	23.50
		25	25	21.75	21.68	21.72	23.50
		50	0	21.77	21.73	21.78	23.50
	64QAM	1	0	21.72	21.80	21.69	23.50
		1	25	21.77	21.76	21.70	23.50
		1	49	21.83	21.91	21.80	23.50
		25	0	20.75	20.78	20.76	22.50
		25	13	20.70	20.77	20.71	22.50
		25	25	20.75	20.62	20.67	22.50
		50	0	20.68	20.70	20.81	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	23.75	23.72	24.01	25.50
		1	38	23.68	23.99	23.6	25.50
		1	74	23.6	23.68	23.83	25.50
		36	0	22.77	22.77	22.76	24.50
		36	18	22.72	22.75	22.77	24.50
		36	39	22.77	22.74	22.81	24.50
		75	0	22.81	22.74	22.78	24.50
	16QAM	1	0	23.28	22.63	22.68	24.50

		1	38	22.96	23.24	22.8	24.50
		1	74	23.21	22.85	23.02	24.50
		36	0	21.76	21.76	21.7	23.50
		36	18	21.8	21.75	21.7	23.50
		36	39	21.81	21.74	21.83	23.50
		75	0	21.78	21.71	21.67	23.50
		1	0	21.71	21.70	21.91	23.50
	64QAM	1	38	21.66	21.88	21.59	23.50
		1	74	21.58	21.62	21.71	23.50
		36	0	20.65	20.68	20.70	22.50
		36	18	20.65	20.67	20.68	22.50
		36	39	20.71	20.69	20.79	22.50
		75	0	20.75	20.72	20.76	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.82	23.95	23.67	25.50
		1	50	23.72	23.73	23.91	25.50
		1	99	23.74	23.71	23.75	25.50
		50	0	22.81	22.76	22.83	24.50
		50	25	22.84	22.87	22.83	24.50
		50	50	22.8	22.68	22.75	24.50
		100	0	22.81	22.67	22.77	24.50
	16QAM	1	0	22.82	22.87	23.14	24.50
		1	50	22.9	23.01	22.99	24.50
		1	99	23.3	23.17	22.99	24.50
		50	0	21.84	21.72	21.81	23.50
		50	25	21.75	21.75	21.81	23.50
		50	50	21.78	21.61	21.75	23.50
		100	0	21.75	21.67	21.73	23.50
	64QAM	1	0	21.75	21.89	21.66	23.50
		1	50	21.62	21.68	21.89	23.50
		1	99	21.73	21.59	21.65	23.50
		50	0	20.69	20.64	20.76	22.50
		50	25	20.82	20.72	20.81	22.50
		50	50	20.77	20.67	20.71	22.50
		100	0	20.69	20.66	20.65	22.50

LTE Band 2 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	12.8	12.74	12.79	14.50
		1	2	12.89	12.92	12.8	14.50
		1	5	12.78	12.79	12.84	14.50
		3	0	12.82	12.86	12.95	14.50
		3	2	12.96	12.8	12.91	14.50
		3	3	13	12.74	12.72	14.50
		6	0	12.83	12.76	12.85	14.50
	16QAM	1	0	13.13	13.11	13.12	14.50
		1	2	13.07	13.05	13.13	14.50
		1	5	12.92	12.9	13.14	14.50
		3	0	12.93	12.79	12.98	14.50
		3	2	12.97	12.89	12.84	14.50

	64QAM	3	3	12.81	12.85	12.69	14.50
		6	0	12.89	12.73	12.81	14.50
		1	0	12.79	12.70	12.69	14.50
		1	2	12.88	12.89	12.76	14.50
		1	5	12.70	12.71	12.83	14.50
		3	0	12.75	12.76	12.89	14.50
		3	2	12.90	12.79	12.88	14.50
		3	3	12.93	12.63	12.65	14.50
		6	0	12.76	12.69	12.74	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	12.88	12.66	12.69	14.50
		1	7	12.74	12.78	12.86	14.50
		1	14	12.79	12.73	12.78	14.50
		8	0	12.98	12.82	12.86	14.50
		8	4	12.89	12.9	12.97	14.50
		8	7	13	12.78	12.86	14.50
		15	0	12.89	12.8	12.91	14.50
	16QAM	1	0	13.09	13.15	13.06	14.50
		1	7	13.06	13.09	13.05	14.50
		1	14	12.93	12.99	13.12	14.50
		8	0	12.98	12.91	12.8	14.50
		8	4	12.89	12.87	12.89	14.50
		8	7	12.85	12.73	12.69	14.50
		15	0	12.9	12.66	12.75	14.50
	16QAM	1	0	12.85	12.55	12.59	14.50
		1	7	12.73	12.77	12.78	14.50
		1	14	12.68	12.67	12.74	14.50
		8	0	12.86	12.75	12.79	14.50
		8	4	12.88	12.79	12.95	14.50
		8	7	12.97	12.74	12.81	14.50
		15	0	12.78	12.75	12.88	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	12.79	12.64	12.66	14.50
		1	13	12.9	12.82	12.77	14.50
		1	24	12.76	12.83	12.74	14.50
		12	0	12.93	12.83	12.95	14.50
		12	6	12.98	12.93	12.77	14.50
		12	13	12.98	12.79	12.75	14.50
		25	0	12.89	12.82	12.93	14.50
	16QAM	1	0	12.98	13.04	13.08	14.50
		1	13	13.21	13.03	13.13	14.50
		1	24	12.96	12.88	13.16	14.50
		12	0	12.96	12.76	12.86	14.50
		12	6	12.8	12.9	12.78	14.50
		12	13	12.93	12.73	12.6	14.50
		25	0	12.93	12.79	12.76	14.50
	16QAM	1	0	12.70	12.53	12.58	14.50
		1	13	12.86	12.78	12.72	14.50
		1	24	12.67	12.79	12.64	14.50
		12	0	12.84	12.76	12.87	14.50
		12	6	12.95	12.90	12.70	14.50
		12	13	12.96	12.69	12.68	14.50

Bandwidth	Modulation	25	0	12.83	12.80	12.89	14.50
		RB size	RB offset	Channel 18650	Channel 18900	Channel 19150	Tune up
10MHz	QPSK	1	0	12.73	12.84	12.74	14.50
		1	25	12.94	12.86	12.8	14.50
		1	49	12.75	12.68	12.82	14.50
		25	0	12.87	12.82	12.96	14.50
		25	13	12.89	12.78	12.94	14.50
		25	25	12.95	12.76	12.72	14.50
		50	0	12.8	12.78	12.92	14.50
	16QAM	1	0	13.08	13.03	13.02	14.50
		1	25	13.06	13.02	13.02	14.50
		1	49	13.07	12.93	13.04	14.50
		25	0	12.92	12.86	12.82	14.50
		25	13	12.8	12.87	12.87	14.50
		25	25	12.86	12.85	12.72	14.50
		50	0	12.79	12.68	12.92	14.50
	64QAM	1	0	12.71	12.78	12.64	14.50
		1	25	12.83	12.83	12.77	14.50
		1	49	12.65	12.61	12.79	14.50
		25	0	12.80	12.76	12.91	14.50
		25	13	12.83	12.74	12.88	14.50
		25	25	12.88	12.75	12.60	14.50
		50	0	12.73	12.66	12.90	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	12.74	12.77	12.67	14.50
		1	38	12.79	12.8	12.77	14.50
		1	74	12.72	12.72	12.8	14.50
		36	0	12.84	12.78	12.81	14.50
		36	18	12.8	12.79	12.8	14.50
		36	39	12.83	12.71	12.76	14.50
		75	0	12.85	12.78	12.82	14.50
	16QAM	1	0	13.04	13.01	12.98	14.50
		1	38	13.07	13.01	13.02	14.50
		1	74	12.95	13	13.04	14.50
		36	0	12.82	12.78	12.8	14.50
		36	18	12.81	12.79	12.79	14.50
		36	39	12.83	12.76	12.82	14.50
		75	0	12.84	12.77	12.84	14.50
	64QAM	1	0	12.73	12.69	12.55	14.50
		1	38	12.76	12.74	12.70	14.50
		1	74	12.65	12.65	12.68	14.50
		36	0	12.77	12.77	12.73	14.50
		36	18	12.79	12.67	12.78	14.50
		36	39	12.79	12.59	12.75	14.50
		75	0	12.75	12.67	12.80	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	12.81	12.74	12.69	14.50
		1	50	12.83	12.83	12.8	14.50
		1	99	12.74	12.74	12.79	14.50
		50	0	12.89	12.93	12.88	14.50
		50	25	12.89	12.84	12.87	14.50

		50	50	12.92	12.77	12.79	14.50
		100	0	12.88	12.76	12.84	14.50
	16QAM	1	0	13.03	13.07	13.02	14.50
		1	50	13.13	13.09	13.05	14.50
		1	99	12.98	12.95	13.13	14.50
		50	0	12.88	12.82	12.88	14.50
		50	25	12.87	12.82	12.85	14.50
		50	50	12.9	12.78	12.7	14.50
		100	0	12.89	12.76	12.84	14.50
		1	0	12.80	12.73	12.60	14.50
	64QAM	1	50	12.81	12.77	12.74	14.50
		1	99	12.63	12.62	12.70	14.50
		50	0	12.85	12.79	12.81	14.50
		50	25	12.81	12.76	12.84	14.50
		50	50	12.80	12.72	12.75	14.50
		100	0	12.84	12.74	12.72	14.50

LTE Band 4 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.89	23.79	23.9	25.50
		1	2	23.9	23.92	23.77	25.50
		1	5	23.92	23.82	23.93	25.50
		3	0	23.81	23.85	23.79	25.50
		3	2	24.01	23.91	23.7	25.50
		3	3	24.04	23.78	23.67	25.50
		6	0	22.89	22.76	22.81	24.50
	16QAM	1	0	22.99	22.79	22.91	24.50
		1	2	23.24	23.34	23.25	24.50
		1	5	22.99	23.2	22.71	24.50
		3	0	22.98	22.83	22.79	24.50
		3	2	23	22.94	22.64	24.50
		3	3	22.98	22.81	22.72	24.50
		6	0	22.22	22.02	21.96	23.50
	64QAM	1	0	21.87	21.76	21.81	23.50
		1	2	21.84	21.86	21.69	23.50
		1	5	21.88	21.72	21.91	23.50
		3	0	21.80	21.82	21.69	23.50
		3	2	21.89	21.85	21.69	23.50
		3	3	21.97	21.76	21.61	23.50
		6	0	20.87	20.70	20.76	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.94	23.94	23.9	25.50
		1	7	24.03	23.96	23.88	25.50
		1	14	23.97	23.79	23.74	25.50
		8	0	22.94	22.81	22.84	24.50
		8	4	22.88	22.81	22.8	24.50
		8	7	22.91	22.81	22.74	24.50
		15	0	22.87	22.86	22.75	24.50
	16QAM	1	0	23.36	22.95	22.84	24.50
		1	7	22.87	22.88	23.18	24.50

		1	14	23.26	23.02	22.87	24.50
		8	0	22.2	22.07	21.94	23.50
		8	4	22.24	22.1	22.02	23.50
		8	7	22.12	21.99	21.9	23.50
		15	0	22.19	22.07	21.9	23.50
	64QAM	1	0	21.92	21.92	21.80	23.50
		1	7	21.98	21.87	21.80	23.50
		1	14	21.87	21.68	21.72	23.50
		8	0	20.87	20.78	20.76	22.50
		8	4	20.81	20.77	20.68	22.50
		8	7	20.86	20.69	20.69	22.50
		15	0	20.86	20.81	20.71	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	24.21	23.93	23.81	25.50
		1	13	23.93	23.87	23.9	25.50
		1	24	24.13	23.93	24.03	25.50
		12	0	22.96	22.81	22.82	24.50
		12	6	22.9	22.89	22.84	24.50
		12	13	22.85	22.86	22.75	24.50
		25	0	22.94	22.88	22.82	24.50
	16QAM	1	0	23.05	23.18	22.83	24.50
		1	13	23.13	23.32	23.07	24.50
		1	24	23.23	23.33	23.01	24.50
		12	0	22.12	22.01	22.07	23.50
		12	6	22.09	22.1	21.98	23.50
		12	13	22.07	22.08	21.86	23.50
		25	0	22.21	22.01	22.05	23.50
	64QAM	1	0	22.10	21.88	21.74	23.50
		1	13	21.92	21.83	21.83	23.50
		1	24	22.07	21.81	21.92	23.50
		12	0	20.92	20.72	20.77	22.50
		12	6	20.83	20.86	20.82	22.50
		12	13	20.75	20.75	20.71	22.50
		25	0	20.82	20.84	20.71	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	24.05	23.87	23.82	25.50
		1	25	23.95	23.89	23.9	25.50
		1	49	24	24	23.79	25.50
		25	0	22.9	22.83	22.77	24.50
		25	13	22.91	22.84	22.78	24.50
		25	25	22.85	22.87	22.77	24.50
		50	0	22.86	22.87	22.8	24.50
	16QAM	1	0	23.11	23.29	23.24	24.50
		1	25	23.32	22.94	22.99	24.50
		1	49	22.96	23.29	23.18	24.50
		25	0	22.08	22.08	22	23.50
		25	13	22.09	22.09	21.98	23.50
		25	25	22.09	22.17	21.98	23.50
		50	0	22.11	22.06	21.94	23.50
	64QAM	1	0	21.98	21.79	21.81	23.50
		1	25	21.85	21.80	21.85	23.50
		1	49	21.89	21.88	21.68	23.50

		25	0	20.89	20.71	20.65	22.50
		25	13	20.84	20.76	20.77	22.50
		25	25	20.74	20.82	20.68	22.50
		50	0	20.83	20.80	20.68	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	24.1	23.74	23.67	25.50
		1	38	23.83	23.96	23.91	25.50
		1	74	24.06	23.93	23.86	25.50
		36	0	22.86	22.81	22.77	24.50
		36	18	22.87	22.83	22.72	24.50
		36	39	22.78	22.83	22.75	24.50
		75	0	22.78	22.9	22.77	24.50
	16QAM	1	0	23.24	22.76	23.2	24.50
		1	38	22.84	23.18	22.78	24.50
		1	74	22.98	23.18	22.87	24.50
		36	0	22.05	21.99	21.97	23.50
		36	18	22.02	22.03	21.94	23.50
		36	39	21.97	22.04	21.9	23.50
		75	0	22.02	21.99	21.96	23.50
	64QAM	1	0	22.02	21.69	21.60	23.50
		1	38	21.71	21.93	21.83	23.50
		1	74	21.94	21.89	21.77	23.50
		36	0	20.83	20.80	20.74	22.50
		36	18	20.75	20.73	20.63	22.50
		36	39	20.74	20.73	20.64	22.50
		75	0	20.69	20.87	20.68	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	23.94	23.78	23.81	25.50
		1	50	23.94	23.95	23.81	25.50
		1	99	23.87	23.75	23.7	25.50
		50	0	22.89	22.93	22.75	24.50
		50	25	22.89	22.84	22.78	24.50
		50	50	22.81	22.92	22.78	24.50
		100	0	22.88	22.87	22.75	24.50
	16QAM	1	0	23.18	23.06	23.27	24.50
		1	50	23.25	22.86	22.73	24.50
		1	99	22.6	22.99	23.14	24.50
		50	0	22.11	22.04	21.97	23.50
		50	25	22.07	22.05	21.99	23.50
		50	50	21.95	22.09	21.94	23.50
		100	0	21.97	22.02	21.91	23.50
	64QAM	1	0	22.06	21.75	21.76	23.50
		1	50	21.89	21.82	21.76	23.50
		1	99	21.77	21.69	21.64	23.50
		50	0	20.83	20.72	20.67	22.50
		50	25	20.80	20.73	20.71	22.50
		50	50	20.70	20.91	20.66	22.50
		100	0	20.87	20.82	20.68	22.50

LTE Band 4 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	16.97	16.81	17	18.50
		1	2	16.88	17.06	16.86	18.50
		1	5	16.86	16.84	16.84	18.50
		3	0	17.07	16.96	16.94	18.50
		3	2	17.14	17.08	17.04	18.50
		3	3	16.84	17.08	16.95	18.50
		6	0	17.04	17.04	16.97	18.50
	16QAM	1	0	17.22	17.07	17.18	18.50
		1	2	17.29	17.36	17.18	18.50
		1	5	17.08	17.01	17	18.50
		3	0	16.92	16.93	16.85	18.50
		3	2	17.05	16.91	16.98	18.50
		3	3	17	17.14	16.79	18.50
		6	0	17.02	17.04	16.92	18.50
	64QAM	1	0	16.93	16.77	16.99	18.50
		1	2	16.77	16.98	16.77	18.50
		1	5	16.80	16.74	16.83	18.50
		3	0	17.00	16.95	16.83	18.50
		3	2	17.06	17.00	17.03	18.50
		3	3	16.83	16.98	16.85	18.50
		6	0	17.01	17.00	16.92	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	16.87	16.95	16.9	18.50
		1	7	17.05	17	16.86	18.50
		1	14	16.86	16.92	16.79	18.50
		8	0	17.08	16.97	16.99	18.50
		8	4	17.12	17.02	16.87	18.50
		8	7	16.96	17.08	16.97	18.50
		15	0	16.94	16.99	16.83	18.50
	16QAM	1	0	17.23	17.23	17.11	18.50
		1	7	17.18	17.36	17.16	18.50
		1	14	17.18	17.13	17.16	18.50
		8	0	16.88	17.11	16.81	18.50
		8	4	17.03	17.08	16.83	18.50
		8	7	16.86	17.14	16.8	18.50
		15	0	17.07	17.04	16.96	18.50
	64QAM	1	0	16.78	16.84	16.82	18.50
		1	7	16.95	16.98	16.84	18.50
		1	14	16.85	16.82	16.72	18.50
		8	0	17.00	16.87	16.93	18.50
		8	4	17.00	16.96	16.83	18.50
		8	7	16.94	17.03	16.90	18.50
		15	0	16.89	16.90	16.81	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	QPSK	1	0	17	16.81	16.99	18.50
		1	13	17.08	16.98	16.9	18.50
		1	24	16.82	16.91	16.91	18.50
		12	0	17	16.95	16.81	18.50

		12	6	17.09	17.01	16.9	18.50
		12	13	16.83	17.03	16.89	18.50
		25	0	16.87	17.08	16.88	18.50
	16QAM	1	0	17.18	17.26	17.17	18.50
		1	13	17.33	17.28	17.13	18.50
		1	24	17.18	17.19	17.17	18.50
		12	0	16.91	16.94	16.94	18.50
		12	6	17.05	16.97	16.97	18.50
		12	13	16.94	16.97	16.98	18.50
		25	0	17	17.02	16.88	18.50
	64QAM	1	0	16.91	16.73	16.94	18.50
		1	13	16.97	16.93	16.78	18.50
		1	24	16.75	16.80	16.79	18.50
		12	0	16.89	16.92	16.70	18.50
		12	6	17.04	16.93	16.78	18.50
		12	13	16.82	17.00	16.82	18.50
		25	0	16.77	16.97	16.87	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	17.02	16.86	17.03	18.50
		1	25	16.92	17.07	17.02	18.50
		1	49	16.85	16.81	16.85	18.50
		25	0	16.89	17.04	16.89	18.50
		25	13	17.08	16.95	16.96	18.50
		25	25	17	17	16.93	18.50
		50	0	16.98	17.1	16.92	18.50
	16QAM	1	0	17.1	17.23	17.26	18.50
		1	25	17.26	17.37	17.17	18.50
		1	49	17.04	17.08	17.17	18.50
		25	0	17.05	17.05	16.95	18.50
		25	13	17.04	17	16.89	18.50
		25	25	16.84	17.08	16.93	18.50
		50	0	17.03	16.94	16.86	18.50
	64QAM	1	0	16.94	16.80	16.99	18.50
		1	25	16.89	17.06	16.96	18.50
		1	49	16.83	16.73	16.75	18.50
		25	0	16.78	16.94	16.88	18.50
		25	13	17.06	16.94	16.86	18.50
		25	25	16.88	16.95	16.82	18.50
		50	0	16.86	17.06	16.81	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	16.94	16.9	16.91	18.50
		1	38	16.93	16.99	16.88	18.50
		1	74	16.86	16.83	16.82	18.50
		36	0	16.9	16.9	16.83	18.50
		36	18	16.95	16.95	16.88	18.50
		36	39	16.85	16.91	16.87	18.50
		75	0	16.92	16.92	16.87	18.50
	16QAM	1	0	17.21	17.11	17.16	18.50
		1	38	17.12	17.26	17.09	18.50
		1	74	17.01	17.12	17.03	18.50
		36	0	16.92	16.95	16.88	18.50
		36	18	16.96	16.98	16.91	18.50

	64QAM	36	39	16.87	16.96	16.89	18.50
		75	0	16.91	16.92	16.86	18.50
		1	0	16.93	16.78	16.82	18.50
		1	38	16.91	16.90	16.80	18.50
		1	74	16.81	16.72	16.71	18.50
		36	0	16.85	16.85	16.78	18.50
		36	18	16.90	16.89	16.85	18.50
		36	39	16.77	16.83	16.82	18.50
		75	0	16.87	16.88	16.84	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	16.96	16.87	16.94	18.50
		1	50	16.98	17.01	16.92	18.50
		1	99	16.83	16.84	16.81	18.50
		50	0	16.99	17.09	16.89	18.50
		50	25	17.04	17.02	16.94	18.50
		50	50	16.92	17.05	16.88	18.50
		100	0	16.97	17.03	16.89	18.50
	16QAM	1	0	17.17	17.17	17.21	18.50
		1	50	17.20	17.20	17.14	18.50
		1	99	17.12	17.10	17.10	18.50
		50	0	16.98	17.03	16.89	18.50
		50	25	17.03	16.99	16.92	18.50
		50	50	16.90	17.04	16.89	18.50
		100	0	16.97	17.00	16.88	18.50
	64QAM	1	0	16.93	16.75	16.91	18.50
		1	50	16.86	16.92	16.90	18.50
		1	99	16.76	16.77	16.77	18.50
		50	0	16.93	16.97	16.78	18.50
		50	25	16.92	16.99	16.92	18.50
		50	50	16.91	17.00	16.78	18.50
		100	0	16.91	16.99	16.80	18.50

LTE Band 7 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	19.85	19.65	19.72	21.50
		1	13	19.86	19.88	19.94	21.50
		1	24	19.91	19.97	19.78	21.50
		12	0	19.89	19.98	19.98	21.50
		12	6	19.89	20.08	19.79	21.50
		12	13	20.1	19.95	19.85	21.50
		25	0	19.94	20.08	19.78	21.50
	16QAM	1	0	19.86	19.92	20.05	21.50
		1	13	20.19	20.07	19.95	21.50
		1	24	20.09	20.08	20.18	21.50
		12	0	19.83	19.98	19.99	21.50
		12	6	20.03	19.86	19.77	21.50
		12	13	20.14	20.11	19.77	21.50
		25	0	19.91	19.91	19.92	21.50
	64QAM	1	0	19.75	19.59	19.66	21.50
		1	13	19.78	19.78	19.87	21.50

		1	24	19.82	19.94	19.66	21.50
		12	0	19.86	19.91	19.94	21.50
		12	6	19.82	19.99	19.74	21.50
		12	13	20.03	19.94	19.74	21.50
		25	0	19.82	20.04	19.74	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	19.74	19.71	19.78	21.50
		1	25	19.86	19.83	19.95	21.50
		1	49	19.87	19.99	19.93	21.50
		25	0	19.9	20.02	19.98	21.50
		25	13	19.96	20.06	19.95	21.50
		25	25	19.99	20.01	19.78	21.50
		50	0	19.94	19.98	19.81	21.50
	16QAM	1	0	19.88	19.95	19.92	21.50
		1	25	20.19	20.07	20.02	21.50
		1	49	20.2	20.16	20.06	21.50
		25	0	19.85	19.93	20	21.50
		25	13	20.03	19.9	19.88	21.50
		25	25	20.09	20.09	19.85	21.50
		50	0	20.03	20.08	19.83	21.50
	64QAM	1	0	19.73	19.70	19.74	21.50
		1	25	19.79	19.82	19.86	21.50
		1	49	19.75	19.92	19.89	21.50
		25	0	19.82	19.99	19.87	21.50
		25	13	19.93	19.97	19.85	21.50
		25	25	19.89	19.99	19.66	21.50
		50	0	19.86	19.88	19.80	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	19.67	19.69	19.71	21.50
		1	38	19.93	19.8	19.85	21.50
		1	74	19.91	19.91	19.86	21.50
		36	0	19.9	20.08	20.08	21.50
		36	18	19.92	20.04	19.84	21.50
		36	39	20.1	20.07	19.85	21.50
		75	0	20.08	20.07	19.91	21.50
	16QAM	1	0	19.88	19.85	20	21.50
		1	38	20.15	20.14	20.08	21.50
		1	74	20.16	20.17	20.05	21.50
		36	0	19.89	20.06	20.06	21.50
		36	18	19.93	20.01	19.96	21.50
		36	39	20.14	20.02	19.76	21.50
		75	0	20	19.93	19.85	21.50
	64QAM	1	0	19.55	19.61	19.67	21.50
		1	38	19.91	19.77	19.79	21.50
		1	74	19.89	19.88	19.74	21.50
		36	0	19.85	20.00	20.01	21.50
		36	18	19.81	19.99	19.81	21.50
		36	39	20.00	19.97	19.79	21.50
		75	0	20.01	19.97	19.90	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	19.75	19.72	19.78	21.50

		1	50	19.91	19.88	19.86	21.50
		1	99	19.89	19.89	19.93	21.50
		50	0	19.85	19.98	20.35	21.50
		50	25	19.93	19.98	19.87	21.50
		50	50	20.07	19.99	19.81	21.50
		100	0	19.98	20.03	19.82	21.50
	16QAM	1	0	19.89	19.93	20.02	21.50
		1	50	20.15	20.15	20.04	21.50
		1	99	20.11	20.15	20.09	21.50
		50	0	19.85	20.02	20.05	21.50
		50	25	19.93	19.96	19.87	21.50
		50	50	20.07	20.05	19.84	21.50
		100	0	19.97	20	19.85	21.50
	64QAM	1	0	19.73	19.66	19.68	21.50
		1	50	19.82	19.83	19.79	21.50
		1	99	19.87	19.84	19.87	21.50
		50	0	19.80	19.91	20.24	21.50
		50	25	19.86	19.89	19.86	21.50
		50	50	20.00	19.92	19.69	21.50
		100	0	19.88	19.92	19.75	21.50

LTE Band 7 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.27	12.08	12.19	14.00
		1	13	12.38	12.42	12.41	14.00
		1	24	12.33	12.25	12.33	14.00
		12	0	12.22	12.3	12.45	14.00
		12	6	12.35	12.45	12.35	14.00
		12	13	12.54	12.37	12.41	14.00
		25	0	12.31	12.34	12.38	14.00
	16QAM	1	0	12.29	12.24	12.38	14.00
		1	13	12.52	12.46	12.61	14.00
		1	24	12.62	12.54	12.68	14.00
		12	0	12.28	12.36	12.56	14.00
		12	6	12.4	12.37	12.48	14.00
		12	13	12.38	12.35	12.23	14.00
		25	0	12.26	12.39	12.37	14.00
	64QAM	1	0	12.15	12.08	12.13	14.00
		1	13	12.35	12.37	12.31	14.00
		1	24	12.23	12.15	12.23	14.00
		12	0	12.21	12.19	12.42	14.00
		12	6	12.32	12.43	12.33	14.00
		12	13	12.48	12.34	12.38	14.00
		25	0	12.21	12.29	12.36	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	12.14	12.01	12.11	14.00
		1	25	12.26	12.39	12.33	14.00
		1	49	12.27	12.37	12.49	14.00
		25	0	12.24	12.3	12.37	14.00
		25	13	12.37	12.48	12.43	14.00

		25	25	12.49	12.48	12.23	14.00
		50	0	12.23	12.32	12.4	14.00
	16QAM	1	0	12.47	12.29	12.37	14.00
		1	25	12.48	12.49	12.54	14.00
		1	49	12.63	12.59	12.67	14.00
		25	0	12.2	12.36	12.42	14.00
		25	13	12.41	12.33	12.48	14.00
		25	25	12.51	12.41	12.25	14.00
		50	0	12.45	12.42	12.29	14.00
		50	0	12.45	12.42	12.29	14.00
	64QAM	1	0	12.13	12.02	12.01	14.00
		1	25	12.14	12.32	12.31	14.00
		1	49	12.21	12.33	12.41	14.00
		25	0	12.12	12.24	12.31	14.00
		25	13	12.25	12.46	12.38	14.00
		25	25	12.38	12.37	12.12	14.00
		50	0	12.22	12.22	12.28	14.00
		50	0	12.22	12.22	12.28	14.00
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	12.16	12.2	12.25	14.00
		1	38	12.31	12.33	12.33	14.00
		1	74	12.33	12.3	12.33	14.00
		36	0	12.19	12.27	12.27	14.00
		36	18	12.25	12.26	12.31	14.00
		36	39	12.38	12.34	12.35	14.00
		75	0	12.34	12.29	12.34	14.00
	16QAM	1	0	12.39	12.41	12.5	14.00
		1	38	12.57	12.54	12.57	14.00
		1	74	12.54	12.6	12.65	14.00
		36	0	12.2	12.33	12.28	14.00
		36	18	12.28	12.28	12.33	14.00
		36	39	12.41	12.33	12.4	14.00
		75	0	12.32	12.34	12.36	14.00
	64QAM	1	0	12.07	12.17	12.21	14.00
		1	38	12.28	12.25	12.24	14.00
		1	74	12.29	12.24	12.29	14.00
		36	0	12.11	12.23	12.18	14.00
		36	18	12.14	12.25	12.26	14.00
		36	39	12.31	12.29	12.26	14.00
		75	0	12.33	12.23	12.27	14.00
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	12.17	12.11	12.17	14.00
		1	50	12.28	12.35	12.35	14.00
		1	99	12.31	12.33	12.39	14.00
		50	0	12.17	12.39	12.46	14.00
		50	25	12.35	12.40	12.38	14.00
		50	50	12.46	12.45	12.33	14.00
		100	0	12.31	12.42	12.36	14.00
	16QAM	1	0	12.39	12.32	12.36	14.00
		1	50	12.58	12.54	12.55	14.00
		1	99	12.53	12.62	12.62	14.00
		50	0	12.22	12.41	12.47	14.00
		50	25	12.33	12.36	12.39	14.00
		50	50	12.47	12.4	12.33	14.00
		50	50	12.47	12.4	12.33	14.00

		100	0	12.35	12.42	12.37	14.00
	64QAM	1	0	12.14	12.10	12.15	14.00
		1	50	12.25	12.26	12.33	14.00
		1	99	12.26	12.32	12.30	14.00
		50	0	12.09	12.35	12.39	14.00
		50	25	12.32	12.31	12.26	14.00
		50	50	12.45	12.33	12.31	14.00
		100	0	12.24	12.31	12.32	14.00

LTE Band 38 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.86	22.82	22.85	24.50
		1	13	23.01	22.98	22.99	24.50
		1	24	22.87	22.84	22.88	24.50
		12	0	22.86	22.95	22.95	24.50
		12	6	23.02	23.01	22.95	24.50
		12	13	22.97	22.93	22.92	24.50
		25	0	22.94	22.96	22.85	24.50
	16QAM	1	0	22.88	22.85	22.8	24.50
		1	13	22.98	22.95	22.94	24.50
		1	24	22.88	22.81	22.82	24.50
		12	0	21.87	21.88	22	23.50
		12	6	21.94	21.96	21.93	23.50
		12	13	21.98	21.97	21.85	23.50
		25	0	21.93	21.95	21.87	23.50
	64QAM	1	0	21.77	21.81	21.74	23.50
		1	13	21.76	21.86	21.71	23.50
		1	24	21.82	21.72	21.82	23.50
		12	0	20.66	20.76	20.64	22.50
		12	6	20.68	20.71	20.71	22.50
		12	13	20.71	20.83	20.66	22.50
		25	0	20.73	20.67	20.73	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.78	22.77	22.81	24.50
		1	25	22.99	22.99	22.98	24.50
		1	49	22.87	22.79	22.83	24.50
		25	0	22.9	22.89	22.98	24.50
		25	13	23.02	23.01	22.96	24.50
		25	25	22.95	23	22.88	24.50
		50	0	22.89	22.91	22.86	24.50
	16QAM	1	0	22.83	22.77	22.83	24.50
		1	25	22.98	22.95	22.84	24.50
		1	49	22.87	22.77	22.75	24.50
		25	0	21.82	21.89	21.95	23.50
		25	13	21.92	21.92	21.92	23.50
		25	25	22	21.99	21.93	23.50
		50	0	21.92	21.94	21.9	23.50
	64QAM	1	0	21.85	21.84	21.78	23.50
		1	25	21.75	21.82	21.82	23.50
		1	49	21.84	21.70	21.77	23.50

		25	0	20.62	20.66	20.73	22.50
		25	13	20.74	20.65	20.71	22.50
		25	25	20.80	20.71	20.68	22.50
		50	0	20.75	20.77	20.68	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.85	22.85	22.84	24.50
		1	38	23	23.01	22.99	24.50
		1	74	22.87	22.84	22.88	24.50
		36	0	22.9	22.94	22.89	24.50
		36	18	23	23.03	23.02	24.50
		36	39	23.04	22.93	22.92	24.50
		75	0	22.95	22.91	22.91	24.50
	16QAM	1	0	22.81	22.77	22.85	24.50
		1	38	22.97	22.9	22.87	24.50
		1	74	22.79	22.77	22.79	24.50
		36	0	21.83	21.95	21.93	23.50
		36	18	21.92	21.96	21.98	23.50
		36	39	22.06	21.91	21.91	23.50
		75	0	21.97	21.99	21.93	23.50
	64QAM	1	0	21.77	21.81	21.73	23.50
		1	38	21.86	21.81	21.82	23.50
		1	74	21.82	21.71	21.71	23.50
		36	0	20.70	20.74	20.69	22.50
		36	18	20.69	20.62	20.74	22.50
		36	39	20.73	20.71	20.66	22.50
		75	0	20.74	20.71	20.64	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	22.82	22.80	22.83	24.50
		1	50	22.96	22.98	23.01	24.50
		1	99	22.85	22.84	23.05	24.50
		50	0	22.88	22.94	23.02	24.50
		50	25	22.97	22.98	22.98	24.50
		50	50	23.00	22.96	22.89	24.50
		100	0	22.93	22.93	22.90	24.50
	16QAM	1	0	22.83	22.81	22.83	24.50
		1	50	22.96	22.94	22.89	24.50
		1	99	22.84	22.82	22.77	24.50
		50	0	21.86	21.92	21.97	23.50
		50	25	21.97	21.97	21.97	23.50
		50	50	22.01	21.95	21.9	23.50
		100	0	21.96	21.94	21.9	23.50
	64QAM	1	0	21.67	21.64	21.61	23.50
		1	50	21.75	21.76	21.69	23.50
		1	99	21.83	21.72	21.70	23.50
		50	0	20.66	20.65	20.66	22.50
		50	25	20.76	20.73	20.77	22.50
		50	50	20.81	20.76	20.69	22.50
		100	0	20.78	20.63	20.73	22.50

LTE Band 38 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 37775	Channel 38000	Channel 38225	Tune up
5MHz	QPSK	1	0	15.31	15.43	15.33	17.00
		1	13	15.52	15.52	15.54	17.00
		1	24	15.27	15.41	15.33	17.00
		12	0	15.4	15.52	15.35	17.00
		12	6	15.53	15.55	15.5	17.00
		12	13	15.56	15.5	15.39	17.00
		25	0	15.44	15.43	15.4	17.00
	16QAM	1	0	15.39	15.29	15.31	17.00
		1	13	15.38	15.49	15.39	17.00
		1	24	15.33	15.32	15.29	17.00
		12	0	15.46	15.48	15.54	17.00
		12	6	15.39	15.58	15.43	17.00
		12	13	15.45	15.51	15.47	17.00
		25	0	15.49	15.44	15.52	17.00
	64QAM	1	0	15.21	15.32	15.24	17.00
		1	13	15.42	15.44	15.42	17.00
		1	24	15.18	15.29	15.22	17.00
		12	0	15.32	15.45	15.26	17.00
		12	6	15.46	15.43	15.48	17.00
		12	13	15.51	15.49	15.34	17.00
		25	0	15.35	15.41	15.37	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 37800	Channel 38000	Channel 38200	Tune up
10MHz	QPSK	1	0	15.37	15.29	15.41	17.00
		1	25	15.46	15.58	15.54	17.00
		1	49	15.41	15.39	15.42	17.00
		25	0	15.47	15.5	15.43	17.00
		25	13	15.51	15.55	15.47	17.00
		25	25	15.46	15.46	15.47	17.00
		50	0	15.39	15.36	15.51	17.00
	16QAM	1	0	15.37	15.45	15.26	17.00
		1	25	15.46	15.42	15.31	17.00
		1	49	15.39	15.43	15.2	17.00
		25	0	15.35	15.43	15.39	17.00
		25	13	15.47	15.48	15.46	17.00
		25	25	15.52	15.4	15.45	17.00
		50	0	15.49	15.49	15.53	17.00
	64QAM	1	0	15.32	15.23	15.36	17.00
		1	25	15.37	15.46	15.51	17.00
		1	49	15.32	15.35	15.40	17.00
		25	0	15.42	15.46	15.37	17.00
		25	13	15.40	15.48	15.46	17.00
		25	25	15.41	15.37	15.35	17.00
		50	0	15.36	15.27	15.45	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 37825	Channel 38000	Channel 38175	Tune up
15MHz	QPSK	1	0	15.36	15.36	15.37	17.00
		1	38	15.41	15.48	15.44	17.00
		1	74	15.37	15.37	15.36	17.00
		36	0	15.32	15.43	15.41	17.00

		36	18	15.4	15.42	15.38	17.00
		36	39	15.44	15.43	15.34	17.00
		75	0	15.45	15.42	15.42	17.00
	16QAM	1	0	15.36	15.36	15.32	17.00
		1	38	15.43	15.43	15.36	17.00
		1	74	15.4	15.38	15.28	17.00
		36	0	15.34	15.4	15.39	17.00
		36	18	15.39	15.41	15.38	17.00
		36	39	15.35	15.44	15.35	17.00
		75	0	15.46	15.42	15.43	17.00
	64QAM	1	0	15.26	15.26	15.27	17.00
		1	38	15.36	15.36	15.41	17.00
		1	74	15.34	15.33	15.33	17.00
		36	0	15.24	15.32	15.39	17.00
		36	18	15.30	15.31	15.35	17.00
		36	39	15.38	15.35	15.24	17.00
		75	0	15.35	15.39	15.33	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	15.35	15.33	15.34	17.00
		1	50	15.46	15.50	15.46	17.00
		1	99	15.36	15.37	15.55	17.00
		50	0	15.39	15.48	15.51	17.00
		50	25	15.45	15.48	15.50	17.00
		50	50	15.50	15.48	15.42	17.00
		100	0	15.40	15.41	15.45	17.00
	16QAM	1	0	15.32	15.35	15.35	17.00
		1	50	15.48	15.48	15.38	17.00
		1	99	15.38	15.35	15.26	17.00
		50	0	15.41	15.47	15.48	17.00
		50	25	15.48	15.49	15.49	17.00
		50	50	15.52	15.48	15.42	17.00
		100	0	15.46	15.45	15.45	17.00
	64QAM	1	0	15.29	15.23	15.33	17.00
		1	50	15.44	15.43	15.36	17.00
		1	99	15.34	15.32	15.49	17.00
		50	0	15.30	15.36	15.48	17.00
		50	25	15.41	15.40	15.43	17.00
		50	50	15.46	15.38	15.36	17.00
		100	0	15.32	15.34	15.39	17.00

LTE Band 41 Full power				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	23.66	23.65	23.72	23.64	23.73	24.00
		1	13	23.78	23.81	23.87	23.79	23.77	24.00
		1	24	23.67	23.71	23.7	23.69	23.57	24.00
		12	0	22.67	22.73	22.71	22.77	22.73	23.00
		12	6	22.8	22.71	22.83	22.75	22.81	23.00
		12	13	22.77	22.79	22.81	22.65	22.56	23.00
		25	0	22.78	22.76	22.78	22.78	22.73	23.00
	16QAM	1	0	22.72	22.66	22.8	22.73	22.71	23.00
		1	13	22.76	22.69	22.85	22.78	22.76	23.00
		1	24	22.63	22.72	22.73	22.68	22.63	23.00
		12	0	21.6	21.75	21.69	21.84	21.73	22.00
		12	6	21.8	21.73	21.82	21.7	21.69	22.00
		12	13	21.79	21.79	21.87	21.76	21.6	22.00
		25	0	21.79	21.72	21.75	21.75	21.66	22.00
	64QAM	1	0	21.56	21.54	21.62	21.63	21.62	22.00
		1	13	21.71	21.72	21.81	21.75	21.73	22.00
		1	24	21.55	21.70	21.68	21.61	21.54	22.00
		12	0	20.60	20.70	20.68	20.71	20.72	21.00
		12	6	20.68	20.65	20.78	20.69	20.78	21.00
		12	13	20.71	20.69	20.75	20.54	20.47	21.00
		25	0	20.66	20.73	20.73	20.72	20.70	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	39700	40160	40620	41080	41540	24.00
		1	25	23.63	23.68	23.74	23.64	23.74	24.00
		1	49	23.76	23.76	23.91	23.76	23.75	24.00
		1	49	23.69	23.74	23.71	23.65	23.62	24.00
		25	0	22.66	22.75	22.76	22.77	22.78	23.00
		25	13	22.78	22.72	22.87	22.75	22.78	23.00
		25	25	22.79	22.8	22.82	22.66	22.63	23.00
		50	0	22.82	22.81	22.76	22.74	22.73	23.00
	16QAM	1	0	22.71	22.68	22.77	22.76	22.7	23.00
		1	25	22.73	22.68	22.84	22.78	22.74	23.00
		1	49	22.63	22.67	22.71	22.68	22.57	23.00
		25	0	21.63	21.77	21.69	21.83	21.73	22.00
		25	13	21.75	21.77	21.86	21.69	21.68	22.00
		25	25	21.76	21.79	21.84	21.69	21.63	22.00
		50	0	21.74	21.71	21.79	21.73	21.69	22.00
	64QAM	1	0	21.59	21.56	21.73	21.56	21.62	22.00
		1	25	21.69	21.64	21.86	21.66	21.68	22.00
		1	49	21.66	21.64	21.69	21.62	21.50	22.00
		25	0	20.54	20.68	20.64	20.76	20.72	21.00
		25	13	20.70	20.71	20.78	20.74	20.70	21.00
		25	25	20.69	20.71	20.81	20.65	20.52	21.00
		50	0	20.81	20.79	20.72	20.71	20.70	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	39725	40173	40620	41068	41515	24.00
		1	38	23.69	23.72	23.74	23.65	23.79	24.00
		1	74	23.73	23.76	23.9	23.73	23.76	24.00
		36	0	23.68	23.7	23.71	23.69	23.6	24.00
				22.68	22.78	22.73	22.84	22.75	23.00

		36	18	22.8	22.71	22.86	22.75	22.81	23.00
		36	39	22.78	22.75	22.82	22.67	22.58	23.00
		75	0	22.8	22.76	22.82	22.77	22.69	23.00
	16QAM	1	0	22.75	22.69	22.81	22.69	22.7	23.00
		1	38	22.74	22.68	22.85	22.79	22.79	23.00
		1	74	22.67	22.71	22.74	22.71	22.61	23.00
		36	0	21.59	21.8	21.72	21.85	21.72	22.00
		36	18	21.8	21.73	21.83	21.74	21.69	22.00
		36	39	21.8	21.74	21.85	21.7	21.58	22.00
		75	0	21.74	21.75	21.81	21.74	21.64	22.00
	64QAM	1	0	21.63	21.62	21.65	21.54	21.76	22.00
		1	38	21.61	21.71	21.83	21.72	21.72	22.00
		1	74	21.58	21.68	21.59	21.63	21.53	22.00
		36	0	20.58	20.75	20.72	20.75	20.66	21.00
		36	18	20.78	20.60	20.82	20.70	20.69	21.00
		36	39	20.70	20.71	20.78	20.61	20.50	21.00
		75	0	20.70	20.70	20.78	20.69	20.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	23.7	23.73	23.78	23.68	23.8	24.00
		1	50	23.81	23.83	23.94	23.8	23.81	24.00
		1	99	23.73	23.78	23.94	23.72	23.65	24.00
		50	0	22.71	22.81	22.88	22.85	22.79	23.00
		50	25	22.81	22.77	22.88	22.78	22.82	23.00
		50	50	22.84	22.81	22.88	22.73	22.64	23.00
		100	0	22.84	22.83	22.83	22.81	22.76	23.00
	16QAM	1	0	22.76	22.74	22.83	22.77	22.77	23.00
		1	50	22.77	22.74	22.88	22.81	22.81	23.00
		1	99	22.7	22.75	22.77	22.72	22.65	23.00
		50	0	21.67	21.83	21.75	21.91	21.78	22.00
		50	25	21.82	21.78	21.87	21.77	21.75	22.00
		50	50	21.82	21.81	21.9	21.77	21.65	22.00
		100	0	21.82	21.79	21.83	21.8	21.7	22.00
	64QAM	1	0	21.68	21.68	21.72	21.60	21.77	22.00
		1	50	21.72	21.78	21.90	21.77	21.73	22.00
		1	99	21.69	21.66	21.71	21.71	21.53	22.00
		50	0	20.70	20.80	20.87	20.80	20.74	21.00
		50	25	20.80	20.69	20.79	20.66	20.76	21.00
		50	50	20.83	20.76	20.86	20.71	20.52	21.00
		100	0	20.80	20.81	20.73	20.70	20.69	21.00



LTE Band 41 Receiver on&Hotspot on				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	16.7	16.64	16.7	16.69	16.74	17.00
		1	13	16.78	16.77	16.87	16.77	16.74	17.00
		1	24	16.65	16.74	16.71	16.67	16.67	17.00
		12	0	16.66	16.79	16.81	16.84	16.74	17.00
		12	6	16.79	16.83	16.82	16.79	16.85	17.00
		12	13	16.95	16.8	16.89	16.79	16.75	17.00
		25	0	16.79	16.78	16.86	16.76	16.77	17.00
	16QAM	1	0	16.78	16.68	16.8	16.71	16.78	17.00
		1	13	16.81	16.82	16.92	16.79	16.8	17.00
		1	24	16.71	16.73	16.72	16.69	16.67	17.00
		12	0	16.75	16.77	16.81	16.86	16.78	17.00
		12	6	16.8	16.86	16.83	16.8	16.82	17.00
		12	13	16.89	16.87	16.86	16.78	16.77	17.00
		25	0	16.8	16.87	16.79	16.81	16.81	17.00
	64QAM	1	0	16.59	16.58	16.63	16.66	16.62	17.00
		1	13	16.70	16.72	16.83	16.74	16.68	17.00
		1	24	16.53	16.67	16.70	16.66	16.60	17.00
		12	0	16.64	16.72	16.69	16.78	16.66	17.00
		12	6	16.78	16.79	16.81	16.77	16.84	17.00
		12	13	16.90	16.72	16.88	16.71	16.64	17.00
		25	0	16.67	16.68	16.79	16.65	16.65	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	16.71	16.67	16.72	16.7	16.71	17.00
		1	25	16.79	16.82	16.86	16.75	16.78	17.00
		1	49	16.67	16.77	16.75	16.66	16.67	17.00
		25	0	16.68	16.82	16.78	16.87	16.76	17.00
		25	13	16.79	16.81	16.82	16.83	16.87	17.00
		25	25	16.94	16.8	16.84	16.77	16.75	17.00
		50	0	16.76	16.78	16.83	16.77	16.72	17.00
	16QAM	1	0	16.77	16.68	16.76	16.73	16.8	17.00
		1	25	16.84	16.8	16.9	16.81	16.76	17.00
		1	49	16.69	16.75	16.72	16.7	16.62	17.00
		25	0	16.73	16.8	16.85	16.88	16.81	17.00
		25	13	16.8	16.84	16.83	16.83	16.86	17.00
		25	25	16.87	16.88	16.85	16.8	16.81	17.00
		50	0	16.81	16.86	16.81	16.79	16.82	17.00
	64QAM	1	0	16.70	16.61	16.68	16.59	16.59	17.00
		1	25	16.72	16.76	16.76	16.63	16.75	17.00
		1	49	16.60	16.69	16.72	16.63	16.63	17.00
		25	0	16.67	16.76	16.69	16.80	16.68	17.00
		25	13	16.73	16.78	16.76	16.82	16.84	17.00
		25	25	16.85	16.71	16.83	16.73	16.64	17.00
		50	0	16.74	16.74	16.76	16.75	16.71	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	16.66	16.64	16.73	16.68	16.75	17.00
		1	38	16.77	16.81	16.83	16.8	16.77	17.00

		1	74	16.69	16.74	16.72	16.66	16.64	17.00
		36	0	16.69	16.8	16.79	16.87	16.79	17.00
		36	18	16.77	16.83	16.83	16.81	16.87	17.00
		36	39	16.92	16.81	16.87	16.78	16.75	17.00
		75	0	16.78	16.78	16.83	16.77	16.74	17.00
	16QAM	1	0	16.77	16.69	16.78	16.71	16.76	17.00
		1	38	16.83	16.78	16.9	16.76	16.78	17.00
		1	74	16.71	16.74	16.74	16.67	16.66	17.00
		36	0	16.74	16.8	16.81	16.87	16.77	17.00
		36	18	16.78	16.85	16.86	16.79	16.85	17.00
		36	39	16.87	16.86	16.86	16.81	16.82	17.00
		75	0	16.82	16.83	16.83	16.82	16.81	17.00
	64QAM	1	0	16.63	16.56	16.68	16.66	16.70	17.00
		1	38	16.76	16.69	16.76	16.73	16.71	17.00
		1	74	16.67	16.65	16.61	16.59	16.53	17.00
		36	0	16.62	16.71	16.77	16.85	16.74	17.00
		36	18	16.76	16.79	16.72	16.79	16.84	17.00
		36	39	16.91	16.71	16.75	16.73	16.66	17.00
		75	0	16.67	16.72	16.72	16.76	16.63	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	16.76	16.73	16.80	16.77	16.81	17.00
		1	50	16.87	16.87	16.93	16.85	16.84	17.00
		1	99	16.75	16.83	16.94	16.73	16.74	17.00
		50	0	16.74	16.87	16.91	16.90	16.84	17.00
		50	25	16.86	16.88	16.90	16.88	16.90	17.00
		50	50	16.90	16.86	16.90	16.85	16.83	17.00
		100	0	16.84	16.86	16.92	16.86	16.82	17.00
	16QAM	1	0	16.84	16.75	16.86	16.79	16.86	17.00
		1	50	16.90	16.87	16.90	16.86	16.86	17.00
		1	99	16.77	16.83	16.82	16.77	16.72	17.00
		50	0	16.82	16.87	16.90	16.90	16.87	17.00
		50	25	16.86	16.92	16.93	16.88	16.91	17.00
		50	50	16.90	16.93	16.94	16.88	16.87	17.00
		100	0	16.88	16.93	16.88	16.88	16.88	17.00
	64QAM	1	0	16.75	16.61	16.71	16.67	16.75	17.00
		1	50	16.78	16.76	16.87	16.74	16.75	17.00
		1	99	16.70	16.76	16.89	16.66	16.67	17.00
		50	0	16.72	16.79	16.89	16.89	16.81	17.00
		50	25	16.80	16.85	16.78	16.85	16.87	17.00
		50	50	16.91	16.82	16.85	16.75	16.71	17.00
		100	0	16.82	16.84	16.91	16.76	16.71	17.00

LTE Band 66 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.90	23.82	23.93	25.50
		1	2	23.87	23.97	23.78	25.50
		1	5	23.92	23.86	23.95	25.50
		3	0	23.81	23.90	23.77	25.50
		3	1	24.00	23.91	23.66	25.50
		3	3	24.06	23.78	23.66	25.50
		6	0	22.89	22.75	22.80	24.50
	16QAM	1	0	22.99	22.76	22.90	24.50
		1	2	23.19	23.36	23.22	24.50
		1	5	22.96	23.21	22.68	24.50
		3	0	23.03	22.78	22.76	24.50
		3	1	23.05	22.95	22.61	24.50
		3	3	22.96	22.80	22.71	24.50
		6	0	22.20	22.05	21.99	23.50
	64QAM	1	0	21.82	21.70	21.83	23.50
		1	2	21.80	21.93	21.73	23.50
		1	5	21.82	21.85	21.85	23.50
		3	0	21.80	21.82	21.69	23.50
		3	1	21.92	21.79	21.64	23.50
		3	3	21.95	21.66	21.63	23.50
		6	0	20.82	20.73	20.78	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	24.13	23.88	23.74	25.50
		1	7	23.81	23.91	23.85	25.50
		1	14	23.75	23.73	23.72	25.50
		8	0	22.75	22.96	22.78	24.50
		8	4	22.93	22.98	22.66	24.50
		8	7	22.73	22.93	22.67	24.50
		15	0	22.87	22.74	22.68	24.50
	16QAM	1	0	23.31	22.94	23.40	24.50
		1	7	23.22	22.92	22.77	24.50
		1	14	22.74	23.07	23.26	24.50
		8	0	22.16	22.12	22.04	23.50
		8	4	22.21	22.05	21.96	23.50
		8	7	21.84	22.10	22.04	23.50
		15	0	22.00	22.02	21.99	23.50
	64QAM	1	0	22.07	21.76	21.72	23.50
		1	7	21.71	21.86	21.74	23.50
		1	14	21.63	21.66	21.69	23.50
		8	0	20.63	20.88	20.72	22.50
		8	4	20.90	20.97	20.64	22.50
		8	7	20.68	20.90	20.57	22.50
		15	0	20.80	20.66	20.63	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	24.00	23.74	23.89	25.50
		1	13	23.91	23.80	23.66	25.50

		1	24	24.01	23.87	23.58	25.50
		12	0	22.91	22.97	22.63	24.50
		12	6	22.82	22.77	22.71	24.50
		12	13	22.94	22.91	22.90	24.50
		25	0	22.73	22.99	22.60	24.50
	16QAM	1	0	23.30	23.12	23.38	24.50
		1	13	23.13	22.81	22.78	24.50
		1	24	22.70	22.97	23.21	24.50
		12	0	22.13	21.96	21.93	23.50
		12	6	22.08	21.96	22.02	23.50
		12	13	22.08	21.98	21.89	23.50
		25	0	21.90	21.87	21.79	23.50
	64QAM	1	0	21.90	21.62	21.88	23.50
		1	13	21.88	21.74	21.54	23.50
		1	24	21.99	21.82	21.51	23.50
		12	0	20.82	20.88	20.55	22.50
		12	6	20.79	20.71	20.60	22.50
		12	13	20.85	20.81	20.80	22.50
		25	0	20.69	20.95	20.51	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	24.16	23.69	23.81	25.50
		1	25	23.98	23.76	23.93	25.50
		1	49	23.82	23.85	23.69	25.50
		25	0	23.04	22.71	22.84	24.50
		25	13	22.96	22.97	22.88	24.50
		25	25	22.74	22.82	22.74	24.50
		50	0	22.92	22.78	22.64	24.50
	16QAM	1	0	23.21	23.19	23.25	24.50
		1	25	23.21	22.78	22.80	24.50
		1	49	22.69	22.89	23.06	24.50
		25	0	22.14	22.16	21.87	23.50
		25	13	22.00	22.10	22.12	23.50
		25	25	21.83	22.10	22.08	23.50
		50	0	21.95	22.02	21.96	23.50
	64QAM	1	0	22.14	21.65	21.78	23.50
		1	25	21.87	21.70	21.92	23.50
		1	49	21.73	21.83	21.65	23.50
		25	0	20.92	20.60	20.77	22.50
		25	13	20.92	20.90	20.87	22.50
		25	25	20.68	20.77	20.62	22.50
		50	0	20.84	20.75	20.52	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	24.18	23.92	23.76	25.50
		1	38	24.03	23.87	23.83	25.50
		1	74	23.88	23.71	23.79	25.50
		36	0	22.75	22.98	22.89	24.50
		36	18	22.76	22.83	22.66	24.50
		36	39	22.70	22.92	22.89	24.50
		75	0	22.96	22.75	22.84	24.50
	16QAM	1	0	23.10	23.15	23.21	24.50
		1	38	23.40	22.76	22.70	24.50
		1	74	22.71	23.11	23.08	24.50

		36	0	22.07	21.90	22.08	23.50
		36	18	22.20	22.16	21.86	23.50
		36	39	21.98	22.17	22.05	23.50
		75	0	22.04	22.04	21.82	23.50
	64QAM	1	0	22.12	21.87	21.64	23.50
		1	38	21.96	21.83	21.76	23.50
		1	74	21.83	21.65	21.75	23.50
		36	0	20.66	20.95	20.82	22.50
		36	18	20.75	20.79	20.65	22.50
		36	39	20.67	20.81	20.82	22.50
		75	0	20.89	20.67	20.74	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	23.98	23.63	23.91	25.50
		1	50	23.94	24.00	23.93	25.50
		1	99	23.96	23.62	23.55	25.50
		50	0	22.93	22.94	22.74	24.50
		50	25	22.89	22.90	22.83	24.50
		50	50	22.88	23.06	22.87	24.50
		100	0	22.77	22.89	22.73	24.50
	16QAM	1	0	23.26	23.00	23.29	24.50
		1	50	23.29	22.78	22.75	24.50
		1	99	22.74	22.84	23.10	24.50
		50	0	22.18	22.18	21.90	23.50
		50	25	22.19	21.97	21.95	23.50
		50	50	21.90	22.08	22.00	23.50
		100	0	21.98	22.14	21.77	23.50
	64QAM	1	0	21.92	21.52	21.81	23.50
		1	50	21.88	21.89	21.89	23.50
		1	99	21.86	21.59	21.54	23.50
		50	0	20.88	20.88	20.71	22.50
		50	25	20.82	20.80	20.75	22.50
		50	50	20.84	21.03	20.80	22.50
		100	0	20.66	20.84	20.62	22.50

LTE Band 66 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	15.22	14.67	14.99	16.50
		1	2	15.00	15.02	14.99	16.50
		1	5	14.85	14.73	15.07	16.50
		3	0	15.30	14.77	14.97	16.50
		3	1	14.98	15.09	14.77	16.50
		3	3	14.90	14.58	14.97	16.50
		6	0	15.27	14.64	15.09	16.50
	16QAM	1	0	14.79	14.93	14.83	16.50
		1	2	14.83	14.56	14.67	16.50
		1	5	15.19	14.57	14.99	16.50
		3	0	14.98	14.95	14.74	16.50
		3	1	14.93	14.74	15.07	16.50
		3	3	15.13	14.58	14.88	16.50
		6	0	14.98	14.90	15.02	16.50
	64QAM	1	0	15.12	14.59	14.96	16.50
		1	2	14.91	14.90	14.87	16.50
		1	5	14.84	14.70	15.00	16.50
		3	0	15.22	14.75	14.93	16.50
		3	1	14.97	14.98	14.69	16.50
		3	3	14.80	14.59	14.90	16.50
		6	0	15.25	14.62	15.04	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	15.16	14.65	14.92	16.50
		1	7	14.87	15.07	14.97	16.50
		1	14	14.99	14.68	14.67	16.50
		8	0	15.36	14.75	14.84	16.50
		8	4	14.86	15.03	14.87	16.50
		8	7	14.82	14.66	14.69	16.50
		15	0	15.13	14.63	14.82	16.50
	16QAM	1	0	14.84	14.92	14.97	16.50
		1	7	14.82	14.61	14.87	16.50
		1	14	15.16	14.54	14.91	16.50
		8	0	15.12	14.93	14.84	16.50
		8	4	15.03	14.76	14.54	16.50
		8	7	15.19	14.56	14.95	16.50
		15	0	15.14	14.89	15.06	16.50
	64QAM	1	0	15.14	14.56	14.81	16.50
		1	7	14.76	15.01	14.93	16.50
		1	14	14.96	14.56	14.57	16.50
		8	0	15.27	14.65	14.75	16.50
		8	4	14.76	14.92	14.76	16.50
		8	7	14.80	14.57	14.68	16.50
		15	0	15.07	14.58	14.81	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	15.13	14.63	14.80	16.50
		1	13	14.88	15.15	14.95	16.50

		1	24	15.07	14.76	14.62	16.50
		12	0	15.27	14.68	14.99	16.50
		12	6	14.98	15.16	14.76	16.50
		12	13	15.08	14.67	14.51	16.50
		25	0	15.04	14.64	14.84	16.50
	16QAM	1	0	14.83	15.13	14.76	16.50
		1	13	15.02	14.62	14.97	16.50
		1	24	15.16	14.70	14.77	16.50
		12	0	14.97	14.94	14.99	16.50
		12	6	15.06	14.69	14.55	16.50
		12	13	15.10	14.65	15.03	16.50
		25	0	14.86	14.93	14.98	16.50
	64QAM	1	0	15.03	14.54	14.71	16.50
		1	13	14.82	15.13	14.84	16.50
		1	24	15.00	14.65	14.61	16.50
		12	0	15.15	14.63	14.88	16.50
		12	6	14.86	15.09	14.65	16.50
		12	13	14.96	14.57	14.53	16.50
		25	0	15.00	14.54	14.81	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	15.22	14.74	14.87	16.50
		1	25	14.82	15.01	14.97	16.50
		1	49	14.97	14.71	14.97	16.50
		25	0	15.25	14.72	14.90	16.50
		25	13	14.94	15.17	14.87	16.50
		25	25	14.83	14.70	14.97	16.50
		50	0	15.16	14.76	14.98	16.50
	16QAM	1	0	14.78	15.05	14.94	16.50
		1	25	14.91	14.54	15.17	16.50
		1	49	15.17	14.52	14.83	16.50
		25	0	14.92	15.05	14.74	16.50
		25	13	15.05	14.73	14.62	16.50
		25	25	15.22	14.74	14.81	16.50
		50	0	14.88	14.81	14.99	16.50
	64QAM	1	0	15.14	14.67	14.80	16.50
		1	25	14.78	14.91	14.85	16.50
		1	49	14.94	14.67	14.86	16.50
		25	0	15.18	14.70	14.79	16.50
		25	13	14.82	15.10	14.77	16.50
		25	25	14.72	14.59	14.89	16.50
		50	0	15.11	14.75	14.92	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	15.11	14.67	14.85	16.50
		1	38	14.94	14.99	15.01	16.50
		1	74	14.87	14.61	14.97	16.50
		36	0	15.18	14.87	14.87	16.50
		36	18	15.05	15.09	14.95	16.50
		36	39	14.90	14.62	14.67	16.50
		75	0	15.02	14.53	14.89	16.50
	16QAM	1	0	15.04	15.13	14.83	16.50
		1	38	15.06	14.72	14.77	16.50
		1	74	15.19	14.77	15.02	16.50

		36	0	14.92	15.05	14.90	16.50
		36	18	15.00	14.70	14.87	16.50
		36	39	15.00	14.75	14.91	16.50
		75	0	14.84	14.84	14.85	16.50
	64QAM	1	0	15.10	14.63	14.82	16.50
		1	38	14.85	14.88	14.92	16.50
		1	74	14.79	14.58	14.92	16.50
		36	0	15.11	14.84	14.77	16.50
		36	18	15.04	15.07	14.91	16.50
		36	39	14.86	14.50	14.66	16.50
		75	0	14.90	14.52	14.79	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	15.22	14.60	14.95	16.50
		1	50	14.91	15.23	14.95	16.50
		1	99	14.99	14.67	14.57	16.50
		50	0	15.02	15.02	14.91	16.50
		50	25	14.95	15.02	14.89	16.50
		50	50	14.97	14.59	14.57	16.50
		100	0	15.14	14.68	14.95	16.50
	16QAM	1	0	14.92	15.03	14.88	16.50
		1	50	14.93	14.61	14.50	16.50
		1	99	15.18	14.63	14.90	16.50
		50	0	14.97	14.98	14.89	16.50
		50	25	14.95	14.65	14.50	16.50
		50	50	15.14	14.66	14.89	16.50
		100	0	14.99	14.95	14.91	16.50
	64QAM	1	0	15.14	14.59	14.84	16.50
		1	50	14.80	15.14	14.90	16.50
		1	99	14.92	14.56	14.59	16.50
		50	0	15.18	14.91	14.82	16.50
		50	25	14.89	14.93	14.85	16.50
		50	50	14.90	14.53	14.51	16.50
		100	0	15.02	14.60	14.87	16.50

8 Conducted Power of Main Antenna(Ant11)

8.1 Conducted Power of LTE

LTE Band 42 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	22.45	22.33	22.55	24.00
		1	13	22.33	22.50	22.86	24.00
		1	24	22.40	22.14	22.66	24.00
		12	0	21.57	21.55	21.78	23.00
		12	6	21.36	21.48	21.70	23.00
		12	13	21.15	21.46	21.70	23.00
		25	0	21.18	21.51	21.64	23.00
	16QAM	1	0	21.27	21.49	21.79	23.00
		1	13	21.39	21.57	21.98	23.00
		1	24	21.36	21.38	21.64	23.00
		12	0	20.54	20.51	20.74	22.00
		12	6	20.32	20.39	20.76	22.00
		12	13	20.29	20.43	20.64	22.00
		25	0	20.35	20.30	20.76	22.00
	64QAM	1	0	20.42	20.26	20.54	22.00
		1	13	20.23	20.49	20.85	22.00
		1	24	20.29	20.11	20.56	22.00
		12	0	19.50	19.46	19.73	21.00
		12	6	19.28	19.45	19.58	21.00
		12	13	19.12	19.43	19.68	21.00
		25	0	19.06	19.47	19.59	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	22.29	22.51	22.55	24.00
		1	25	22.54	22.49	22.79	24.00
		1	49	22.14	22.20	22.77	24.00
		25	0	21.38	21.63	21.67	23.00
		25	13	21.33	21.43	21.68	23.00
		25	25	21.17	21.29	21.80	23.00
		50	0	21.37	21.42	21.76	23.00
	16QAM	1	0	21.32	21.33	21.69	23.00
		1	25	21.32	21.42	21.77	23.00
		1	49	21.41	21.27	21.73	23.00
		25	0	20.26	20.60	20.84	22.00
		25	13	20.28	20.58	20.96	22.00
		25	25	20.30	20.23	20.59	22.00
		50	0	20.32	20.31	20.74	22.00
	64QAM	1	0	20.17	20.48	20.51	22.00
		1	25	20.45	20.39	20.75	22.00
		1	49	20.07	20.13	20.70	22.00
		25	0	19.36	19.56	19.63	21.00
		25	13	19.31	19.32	19.64	21.00
		25	25	19.12	19.19	19.78	21.00
		50	0	19.35	19.32	19.64	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	

15MHz	QPSK	1	0	22.48	22.49	22.59	24.00
		1	38	22.54	22.36	22.88	24.00
		1	74	22.14	22.34	22.74	24.00
		36	0	21.51	21.39	21.76	23.00
		36	18	21.42	21.45	21.76	23.00
		36	39	21.26	21.26	21.75	23.00
		75	0	21.47	21.48	21.67	23.00
	16QAM	1	0	21.29	21.31	21.79	23.00
		1	38	21.40	21.55	21.92	23.00
		1	74	21.14	21.23	21.70	23.00
		36	0	20.34	20.57	20.66	22.00
		36	18	20.43	20.61	20.78	22.00
		36	39	20.18	20.41	20.76	22.00
		75	0	20.46	20.40	20.88	22.00
	64QAM	1	0	20.39	20.40	20.51	22.00
		1	38	20.52	20.25	20.79	22.00
		1	74	20.09	20.27	20.71	22.00
		36	0	19.47	19.28	19.75	21.00
		36	18	19.35	19.36	19.67	21.00
		36	39	19.16	19.14	19.71	21.00
		75	0	19.45	19.45	19.59	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	22.47	22.30	22.56	24.00
		1	50	22.50	22.81	22.83	24.00
		1	99	22.28	22.37	22.57	24.00
		50	0	21.48	21.56	21.92	23.00
		50	25	21.44	21.35	21.84	23.00
		50	50	21.17	21.48	21.76	23.00
		100	0	21.23	21.54	21.79	23.00
	16QAM	1	0	21.25	21.38	21.78	23.00
		1	50	21.33	21.69	21.77	23.00
		1	99	21.16	21.46	21.82	23.00
		50	0	20.34	20.49	20.78	22.00
		50	25	20.41	20.55	20.88	22.00
		50	50	20.29	20.52	20.69	22.00
		100	0	20.37	20.40	20.90	22.00
	64QAM	1	0	20.42	20.28	20.55	22.00
		1	50	20.42	20.61	20.73	22.00
		1	99	20.18	20.29	20.49	22.00
		50	0	19.43	19.54	19.83	21.00
		50	25	19.36	19.33	19.72	21.00
		50	50	19.12	19.41	19.66	21.00
		100	0	19.13	19.44	19.69	21.00

LTE Band 42 Sensor on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	18.41	18.5	18.86	20.00
		1	13	18.41	18.47	18.79	20.00
		1	24	18.43	18.47	18.84	20.00
		12	0	18.38	18.48	18.84	20.00
		12	6	18.43	18.47	18.83	20.00
		12	13	18.45	18.53	18.82	20.00
		25	0	18.38	18.53	18.82	20.00
	16QAM	1	0	18.38	18.51	18.85	20.00
		1	13	18.43	18.52	18.8	20.00
		1	24	18.39	18.45	18.84	20.00
		12	0	18.45	18.49	18.79	20.00
		12	6	18.38	18.51	18.81	20.00
		12	13	18.43	18.52	18.87	20.00
		25	0	18.46	18.54	18.82	20.00
	64QAM	1	0	18.37	18.41	18.79	20.00
		1	13	18.36	18.43	18.71	20.00
		1	24	18.34	18.38	18.79	20.00
		12	0	18.35	18.44	18.77	20.00
		12	6	18.37	18.37	18.82	20.00
		12	13	18.36	18.47	18.70	20.00
		25	0	18.27	18.46	18.70	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	42140	42590	43040	20.00
		1	25	18.41	18.48	18.85	20.00
		1	49	18.36	18.47	18.87	20.00
		25	0	18.5	18.37	18.91	20.00
		25	13	18.36	18.44	18.87	20.00
		25	25	18.5	18.53	18.9	20.00
		50	0	18.46	18.5	18.85	20.00
	16QAM	1	0	18.43	18.54	18.84	20.00
		1	25	18.35	18.61	18.72	20.00
		1	49	18.48	18.43	18.82	20.00
		25	0	18.38	18.42	18.71	20.00
		25	13	18.47	18.49	18.73	20.00
		25	25	18.5	18.44	18.88	20.00
		50	0	18.44	18.48	18.83	20.00
	64QAM	1	0	18.30	18.42	18.81	20.00
		1	25	18.24	18.38	18.85	20.00
		1	49	18.39	18.25	18.90	20.00
		25	0	18.32	18.38	18.84	20.00
		25	13	18.47	18.44	18.89	20.00
		25	25	18.35	18.39	18.78	20.00
		50	0	18.35	18.51	18.72	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	42165	42590	43015	20.00
		1	38	18.5	18.58	18.85	20.00
		1	74	18.41	18.53	18.71	20.00
		1	74	18.38	18.44	18.83	20.00
		36	0	18.39	18.53	18.75	20.00

		36	18	18.37	18.44	18.84	20.00
		36	39	18.49	18.63	18.76	20.00
		75	0	18.33	18.51	18.74	20.00
	16QAM	1	0	18.44	18.45	18.87	20.00
		1	38	18.53	18.46	18.9	20.00
		1	74	18.32	18.38	18.85	20.00
		36	0	18.39	18.4	18.86	20.00
		36	18	18.39	18.41	18.73	20.00
		36	39	18.46	18.58	18.93	20.00
		75	0	18.39	18.56	18.82	20.00
	64QAM	1	0	18.38	18.46	18.84	20.00
		1	38	18.33	18.43	18.66	20.00
		1	74	18.27	18.34	18.78	20.00
		36	0	18.38	18.46	18.73	20.00
		36	18	18.31	18.42	18.78	20.00
		36	39	18.44	18.61	18.74	20.00
		75	0	18.23	18.48	18.65	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 42190	Channel 42590	Channel 42990	Tune up
20MHz	QPSK	1	0	18.32	18.52	18.77	20.00
		1	50	18.4	18.52	18.93	20.00
		1	99	18.44	18.4	18.85	20.00
		50	0	18.31	18.41	18.89	20.00
		50	25	18.49	18.39	18.79	20.00
		50	50	18.51	18.49	18.88	20.00
		100	0	18.29	18.61	18.74	20.00
	16QAM	1	0	18.32	18.53	18.79	20.00
		1	50	18.35	18.5	18.79	20.00
		1	99	18.44	18.46	18.92	20.00
		50	0	18.36	18.57	18.79	20.00
		50	25	18.45	18.5	18.82	20.00
		50	50	18.51	18.56	18.83	20.00
		100	0	18.46	18.57	18.74	20.00
	64QAM	1	0	18.29	18.43	18.65	20.00
		1	50	18.37	18.44	18.86	20.00
		1	99	18.41	18.36	18.83	20.00
		50	0	18.24	18.31	18.85	20.00
		50	25	18.38	18.33	18.70	20.00
		50	50	18.44	18.40	18.83	20.00
		100	0	18.28	18.51	18.64	20.00

LTE Band 42 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	21.63	21.66	22.06	23.00
		1	13	21.62	21.81	21.99	23.00
		1	24	21.72	21.72	21.95	23.00
		12	0	21.41	21.50	21.78	23.00
		12	6	21.40	21.46	21.86	23.00
		12	13	21.37	21.46	21.81	23.00
		25	0	21.36	21.45	21.84	23.00
	16QAM	1	0	21.38	21.49	21.91	23.00
		1	13	21.39	21.51	21.85	23.00
		1	24	21.44	21.53	21.86	23.00
		12	0	20.35	20.42	20.78	22.00
		12	6	20.32	20.40	20.80	22.00
		12	13	20.29	20.37	20.72	22.00
		25	0	20.39	20.52	20.85	22.00
	64QAM	1	0	20.42	20.26	20.54	22.00
		1	13	20.23	20.49	20.85	22.00
		1	24	20.29	20.11	20.56	22.00
		12	0	19.50	19.46	19.73	21.00
		12	6	19.28	19.45	19.58	21.00
		12	13	19.12	19.43	19.68	21.00
		25	0	19.06	19.47	19.59	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	42140	42590	43040	23.00
		1	25	21.71	21.79	22.08	23.00
		1	49	21.58	21.63	22.13	23.00
		1	49	21.59	21.59	22.11	23.00
		25	0	21.37	21.47	21.81	23.00
		25	13	21.39	21.44	21.80	23.00
		25	25	21.39	21.49	21.78	23.00
	16QAM	50	0	21.40	21.56	21.83	23.00
		1	0	21.48	21.54	21.79	23.00
		1	25	21.43	21.55	21.84	23.00
		1	49	21.38	21.45	21.87	23.00
		25	0	20.41	20.48	20.89	22.00
		25	13	20.40	20.49	20.84	22.00
		25	25	20.40	20.45	20.82	22.00
	64QAM	50	0	20.41	20.49	20.81	22.00
		1	0	20.17	20.48	20.51	22.00
		1	25	20.45	20.39	20.75	22.00
		1	49	20.07	20.13	20.70	22.00
		25	0	19.36	19.56	19.63	21.00
		25	13	19.31	19.32	19.64	21.00
		25	25	19.12	19.19	19.78	21.00
		50	0	19.35	19.32	19.64	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	42165	42590	43015	23.00
		1	38	21.70	21.60	21.93	23.00
		1	74	21.64	21.79	21.95	23.00
		1	74	21.66	21.68	21.94	23.00
		36	0	21.34	21.47	21.76	23.00

		36	18	21.38	21.43	21.80	23.00
		36	39	21.32	21.39	21.75	23.00
		75	0	21.35	21.46	21.81	23.00
	16QAM	1	0	21.40	21.52	21.80	23.00
		1	38	21.46	21.58	21.87	23.00
		1	74	21.33	21.48	21.81	23.00
		36	0	20.33	20.40	20.73	22.00
		36	18	20.34	20.41	20.75	22.00
		36	39	20.29	20.38	20.71	22.00
		75	0	20.34	20.42	20.81	22.00
	64QAM	1	0	20.39	20.40	20.51	22.00
		1	38	20.52	20.25	20.79	22.00
		1	74	20.09	20.27	20.71	22.00
		36	0	19.47	19.28	19.75	21.00
		36	18	19.35	19.36	19.67	21.00
		36	39	19.16	19.14	19.71	21.00
		75	0	19.45	19.45	19.59	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	21.52	21.73	21.96	23.00
		1	50	21.74	21.76	22.11	23.00
		1	99	21.73	21.60	22.10	23.00
		50	0	21.42	21.51	21.85	23.00
		50	25	21.37	21.50	21.82	23.00
		50	50	21.29	21.39	21.77	23.00
		100	0	21.33	21.50	21.78	23.00
	16QAM	1	0	21.38	21.43	21.73	23.00
		1	50	21.44	21.54	21.85	23.00
		1	99	21.28	21.36	21.73	23.00
		50	0	20.41	20.47	20.81	22.00
		50	25	20.36	20.50	20.85	22.00
		50	50	20.32	20.38	20.74	22.00
		100	0	20.31	20.43	20.78	22.00
	64QAM	1	0	20.42	20.28	20.55	22.00
		1	50	20.42	20.61	20.73	22.00
		1	99	20.18	20.29	20.49	22.00
		50	0	19.43	19.54	19.83	21.00
		50	25	19.36	19.33	19.72	21.00
		50	50	19.12	19.41	19.66	21.00
		100	0	19.13	19.44	19.69	21.00

9 Conducted Power of Main Antenna(Ant12)

9.1 Conducted Power of LTE

LTE Band 42 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 42115	Channel 42590	Channel 43065	Tune up
5MHz	QPSK	1	0	23.42	23.37	23.49	24.70
		1	13	23.44	23.38	23.53	24.70
		1	24	23.41	23.37	23.48	24.70
		12	0	22.43	22.34	22.48	23.70
		12	6	22.39	22.31	22.44	23.70
		12	13	22.38	22.29	22.42	23.70
		25	0	22.41	22.33	22.48	23.70
	16QAM	1	0	22.41	22.43	22.51	23.70
		1	13	22.41	22.38	22.5	23.70
		1	24	22.43	22.35	22.5	23.70
		12	0	21.37	21.3	21.42	22.70
		12	6	21.35	21.28	21.38	22.70
		12	13	21.31	21.23	21.35	22.70
		25	0	21.43	21.33	21.47	22.70
	64QAM	1	0	21.38	21.30	21.40	22.70
		1	13	21.43	21.32	21.47	22.70
		1	24	21.33	21.25	21.46	22.70
		12	0	20.40	20.29	20.42	21.70
		12	6	20.36	20.22	20.39	21.70
		12	13	20.31	20.23	20.36	21.70
		25	0	20.32	20.25	20.47	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 42140	Channel 42590	Channel 43040	Tune up
10MHz	QPSK	1	0	23.42	23.39	23.51	24.70
		1	25	23.45	23.42	23.55	24.70
		1	49	23.37	23.26	23.44	24.70
		25	0	22.41	22.35	22.49	23.70
		25	13	22.39	22.32	22.46	23.70
		25	25	22.35	22.31	22.45	23.70
		50	0	22.44	22.34	22.48	23.70
	16QAM	1	0	22.46	22.35	22.54	23.70
		1	25	22.47	22.43	22.53	23.70
		1	49	22.39	22.36	22.47	23.70
		25	0	21.42	21.34	21.56	22.70
		25	13	21.43	21.35	21.49	22.70
		25	25	21.36	21.33	21.46	22.70
		50	0	21.42	21.36	21.44	22.70
	64QAM	1	0	21.39	21.31	21.49	22.70
		1	25	21.40	21.32	21.47	22.70
		1	49	21.34	21.16	21.37	22.70
		25	0	20.31	20.31	20.40	21.70
		25	13	20.34	20.24	20.36	21.70
		25	25	20.28	20.27	20.39	21.70
		50	0	20.41	20.24	20.47	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 42165	Channel 42590	Channel 43015	Tune up

15MHz	QPSK	1	0	23.4	23.4	23.52	24.70
		1	38	23.44	23.45	23.54	24.70
		1	74	23.26	23.38	23.43	24.70
		36	0	22.38	22.33	22.48	23.70
		36	18	22.33	22.31	22.47	23.70
		36	39	22.27	22.25	22.42	23.70
		75	0	22.36	22.33	22.51	23.70
	16QAM	1	0	22.4	22.41	22.51	23.70
		1	38	22.43	22.47	22.56	23.70
		1	74	22.27	22.34	22.47	23.70
		36	0	21.33	21.29	21.45	22.70
		36	18	21.3	21.28	21.44	22.70
		36	39	21.23	21.25	21.37	22.70
		75	0	21.35	21.33	21.5	22.70
	64QAM	1	0	21.37	21.31	21.47	22.70
		1	38	21.33	21.38	21.44	22.70
		1	74	21.18	21.36	21.38	22.70
		36	0	20.26	20.26	20.47	21.70
		36	18	20.26	20.27	20.44	21.70
		36	39	20.26	20.18	20.30	21.70
		75	0	20.32	20.21	20.39	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	23.37	23.28	23.45	24.70
		1	50	23.45	23.41	23.56	24.70
		1	99	23.21	23.17	23.37	24.70
		50	0	22.47	22.34	22.54	23.70
		50	25	22.37	22.36	22.51	23.70
		50	50	22.29	22.24	22.42	23.70
		100	0	22.36	22.29	22.47	23.70
	16QAM	1	0	22.39	22.29	22.5	23.70
		1	50	22.46	22.42	22.56	23.70
		1	99	22.19	22.19	22.41	23.70
		50	0	21.45	21.34	21.52	22.70
		50	25	21.37	21.35	21.49	22.70
		50	50	21.29	21.26	21.42	22.70
		100	0	21.36	21.28	21.44	22.70
	64QAM	1	0	21.31	21.16	21.42	22.70
		1	50	21.34	21.37	21.46	22.70
		1	99	21.09	21.15	21.25	22.70
		50	0	20.36	20.31	20.50	21.70
		50	25	20.30	20.33	20.50	21.70
		50	50	20.24	20.16	20.39	21.70
		100	0	20.26	20.25	20.45	21.70

LTE Band 42 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 42115	Channel 42590	Channel 43065	Tune up
5MHz	QPSK	1	0	18.89	19.2	19.33	20.70
		1	13	18.98	19.22	19.31	20.70
		1	24	18.78	19.13	19.11	20.70
		12	0	18.88	19.14	19.31	20.70
		12	6	18.79	19.18	19.37	20.70
		12	13	18.8	19.11	19.24	20.70
		25	0	18.93	19.13	19.43	20.70
	16QAM	1	0	18.84	19.21	19.42	20.70
		1	13	19.01	19.28	19.46	20.70
		1	24	18.88	19.24	19.36	20.70
		12	0	18.9	19.13	19.26	20.70
		12	6	18.91	19.13	19.34	20.70
		12	13	18.95	19	19.24	20.70
		25	0	18.94	19.21	19.44	20.70
	64QAM	1	0	18.80	19.11	19.26	20.70
		1	13	18.92	19.15	19.22	20.70
		1	24	18.79	19.02	19.01	20.70
		12	0	18.84	19.02	19.22	20.70
		12	6	18.71	19.15	19.25	20.70
		12	13	18.72	19.04	19.18	20.70
		25	0	18.91	19.05	19.32	20.70
Bandwidth	Modulation	RB size	RB offset	Channel 42140	Channel 42590	Channel 43040	Tune up
10MHz	QPSK	1	0	18.93	19.14	19.36	20.70
		1	25	19.1	19.2	19.3	20.70
		1	49	18.8	19.06	19.21	20.70
		25	0	18.99	19.06	19.29	20.70
		25	13	18.84	19.18	19.34	20.70
		25	25	18.86	19.06	19.25	20.70
		50	0	18.92	19.21	19.31	20.70
	16QAM	1	0	18.97	19.26	19.42	20.70
		1	25	18.97	19.24	19.43	20.70
		1	49	18.91	19.11	19.21	20.70
		25	0	18.82	19.11	19.31	20.70
		25	13	18.89	19.2	19.34	20.70
		25	25	18.85	19.12	19.25	20.70
		50	0	18.9	19.23	19.38	20.70
	64QAM	1	0	18.83	19.07	19.25	20.70
		1	25	19.05	19.10	19.27	20.70
		1	49	18.77	19.00	19.14	20.70
		25	0	18.95	18.95	19.26	20.70
		25	13	18.75	19.10	19.32	20.70
		25	25	18.84	19.05	19.17	20.70
		50	0	18.81	19.16	19.30	20.70
Bandwidth	Modulation	RB size	RB offset	Channel 42165	Channel 42590	Channel 43015	Tune up
15MHz	QPSK	1	0	18.86	19.15	19.37	20.70
		1	38	19.02	19.18	19.37	20.70
		1	74	18.82	19.07	19.19	20.70
		36	0	18.95	19.11	19.37	20.70

		36	18	18.85	19.17	19.34	20.70
		36	39	18.84	19.09	19.26	20.70
		75	0	18.9	19.15	19.37	20.70
	16QAM	1	0	18.92	19.18	19.41	20.70
		1	38	18.97	19.22	19.4	20.70
		1	74	18.87	19.16	19.28	20.70
		36	0	18.9	19.16	19.32	20.70
		36	18	18.91	19.12	19.33	20.70
		36	39	18.87	19.06	19.28	20.70
		75	0	18.93	19.19	19.41	20.70
	64QAM	1	0	18.85	19.13	19.33	20.70
		1	38	18.98	19.08	19.36	20.70
		1	74	18.81	19.00	19.11	20.70
		36	0	18.86	19.00	19.29	20.70
		36	18	18.81	19.14	19.32	20.70
		36	39	18.75	19.00	19.18	20.70
		75	0	18.86	19.11	19.32	20.70
Bandwidth	Modulation	RB size	RB offset	Channel 42190	Channel 42590	Channel 42990	Tune up
20MHz	QPSK	1	0	18.85	19.06	19.36	20.70
		1	50	18.94	19.19	19.50	20.70
		1	99	18.82	18.98	19.15	20.70
		50	0	18.96	19.20	19.46	20.70
		50	25	18.94	19.20	19.40	20.70
		50	50	18.87	19.13	19.29	20.70
		100	0	18.89	19.13	19.36	20.70
	16QAM	1	0	18.90	19.13	19.46	20.70
		1	50	18.98	19.22	19.40	20.70
		1	99	18.85	19.06	19.21	20.70
		50	0	18.99	19.25	19.46	20.70
		50	25	18.96	19.23	19.42	20.70
		50	50	18.93	19.13	19.33	20.70
		100	0	18.94	19.20	19.39	20.70
	64QAM	1	0	18.73	19.04	19.30	20.70
		1	50	18.89	19.15	19.38	20.70
		1	99	18.71	18.86	19.07	20.70
		50	0	18.86	19.10	19.40	20.70
		50	25	18.84	19.16	19.39	20.70
		50	50	18.76	19.04	19.25	20.70
		100	0	18.83	19.10	19.29	20.70

LTE Band 42 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 42115	Channel 42590	Channel 43065	Tune up
5MHz	QPSK	1	0	18.09	18.41	18.72	19.20
		1	13	18.44	18.48	18.78	19.20
		1	24	18.12	18.49	18.54	19.20
		12	0	18.36	18.48	18.93	19.20
		12	6	18.21	18.60	18.68	19.20
		12	13	18.35	18.66	18.77	19.20
		25	0	18.19	18.54	18.90	19.20
	16QAM	1	0	18.34	18.41	18.79	19.20
		1	13	18.29	18.65	18.87	19.20
		1	24	18.23	18.60	18.80	19.20
		12	0	18.43	18.77	18.89	19.20
		12	6	18.31	18.50	18.83	19.20
		12	13	18.30	18.52	18.83	19.20
		25	0	18.31	18.69	18.75	19.20
	64QAM	1	0	18.02	18.34	18.69	19.20
		1	13	18.43	18.44	18.67	19.20
		1	24	18.06	18.48	18.45	19.20
		12	0	18.26	18.42	18.84	19.20
		12	6	18.17	18.48	18.59	19.20
		12	13	18.29	18.62	18.69	19.20
		25	0	18.18	18.46	18.79	19.20
Bandwidth	Modulation	RB size	RB offset	Channel 42140	Channel 42590	Channel 43040	Tune up
10MHz	QPSK	1	0	18.17	18.41	18.66	19.20
		1	25	18.26	18.45	18.78	19.20
		1	49	18.21	18.57	18.47	19.20
		25	0	18.41	18.50	18.83	19.20
		25	13	18.26	18.64	18.81	19.20
		25	25	18.46	18.62	18.76	19.20
		50	0	18.19	18.36	18.92	19.20
	16QAM	1	0	18.35	18.52	18.68	19.20
		1	25	18.25	18.79	18.97	19.20
		1	49	18.38	18.60	18.81	19.20
		25	0	18.48	18.64	18.96	19.20
		25	13	18.28	18.63	18.86	19.20
		25	25	18.28	18.71	18.76	19.20
		50	0	18.42	18.58	18.71	19.20
	64QAM	1	0	18.06	18.35	18.57	19.20
		1	25	18.17	18.38	18.66	19.20
		1	49	18.10	18.48	18.43	19.20
		25	0	18.31	18.41	18.71	19.20
		25	13	18.22	18.57	18.79	19.20
		25	25	18.40	18.57	18.68	19.20
		50	0	18.13	18.27	18.81	19.20
Bandwidth	Modulation	RB size	RB offset	Channel 42165	Channel 42590	Channel 43015	Tune up
15MHz	QPSK	1	0	18.26	18.51	18.74	19.20
		1	38	18.36	18.65	18.64	19.20
		1	74	18.23	18.57	18.64	19.20
		36	0	18.23	18.45	18.92	19.20

		36	18	18.29	18.49	18.83	19.20
		36	39	18.39	18.54	18.82	19.20
		75	0	18.38	18.37	18.91	19.20
	16QAM	1	0	18.29	18.50	18.83	19.20
		1	38	18.29	18.68	18.98	19.20
		1	74	18.21	18.46	18.81	19.20
		36	0	18.58	18.58	18.88	19.20
		36	18	18.30	18.63	18.79	19.20
		36	39	18.25	18.51	18.79	19.20
		75	0	18.22	18.70	18.80	19.20
	64QAM	1	0	18.21	18.50	18.67	19.20
		1	38	18.30	18.57	18.63	19.20
		1	74	18.14	18.45	18.56	19.20
		36	0	18.12	18.43	18.82	19.20
		36	18	18.25	18.43	18.77	19.20
		36	39	18.33	18.44	18.70	19.20
		75	0	18.33	18.25	18.79	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	18.19	18.40	18.75	19.20
		1	50	18.28	18.58	18.91	19.20
		1	99	18.22	18.43	18.65	19.20
		50	0	18.36	18.46	18.89	19.20
		50	25	18.28	18.55	18.84	19.20
		50	50	18.46	18.60	18.74	19.20
		100	0	18.35	18.39	18.87	19.20
	16QAM	1	0	18.22	18.38	18.82	19.20
		1	50	18.39	18.69	18.82	19.20
		1	99	18.32	18.55	18.65	19.20
		50	0	18.48	18.71	18.81	19.20
		50	25	18.19	18.60	18.90	19.20
		50	50	18.39	18.57	18.74	19.20
		100	0	18.22	18.61	18.70	19.20
	64QAM	1	0	18.18	18.36	18.74	19.20
		1	50	18.19	18.54	18.83	19.20
		1	99	18.19	18.39	18.62	19.20
		50	0	18.28	18.44	18.79	19.20
		50	25	18.20	18.47	18.73	19.20
		50	50	18.40	18.51	18.62	19.20
		100	0	18.24	18.34	18.82	19.20

10 Conducted Power of Main Antenna(Ant13)

10.1 Conducted Power of LTE

LTE Band 42 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 42115	Channel 42590	Channel 43065	Tune up
5MHz	QPSK	1	0	24.67	24.50	24.57	25.50
		1	13	24.70	24.73	24.75	25.50
		1	24	24.43	24.37	24.41	25.50
		12	0	23.79	23.64	23.74	24.50
		12	6	23.79	23.66	23.65	24.50
		12	13	23.55	23.60	23.51	24.50
		25	0	23.62	23.57	23.62	24.50
	16QAM	1	0	23.58	23.67	23.68	24.50
		1	13	23.72	23.56	23.75	24.50
		1	24	23.54	23.48	23.53	24.50
		12	0	22.87	22.91	22.78	23.50
		12	6	22.89	22.84	22.82	23.50
		12	13	22.85	22.79	22.77	23.50
		25	0	22.93	22.77	22.88	23.50
	64QAM	1	0	22.64	22.48	22.51	23.50
		1	13	22.64	22.63	22.63	23.50
		1	24	22.39	22.30	22.36	23.50
		12	0	21.73	21.58	21.73	22.50
		12	6	21.76	21.61	21.54	22.50
		12	13	21.53	21.49	21.44	22.50
		25	0	21.60	21.48	21.54	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 42140	Channel 42590	Channel 43040	Tune up
10MHz	QPSK	1	0	24.68	24.63	24.74	25.50
		1	25	24.68	24.73	24.77	25.50
		1	49	24.58	24.36	24.40	25.50
		25	0	23.66	23.80	23.75	24.50
		25	13	23.66	23.63	23.72	24.50
		25	25	23.56	23.64	23.68	24.50
		50	0	23.59	23.68	23.69	24.50
	16QAM	1	0	23.72	23.60	23.64	24.50
		1	25	23.61	23.75	23.68	24.50
		1	49	23.55	23.37	23.48	24.50
		25	0	22.95	22.83	22.96	23.50
		25	13	22.79	22.82	22.86	23.50
		25	25	22.85	22.75	22.80	23.50
		50	0	22.89	22.77	22.78	23.50
	64QAM	1	0	22.64	22.61	22.67	23.50
		1	25	22.65	22.68	22.67	23.50
		1	49	22.53	22.25	22.33	23.50
		25	0	21.55	21.70	21.68	22.50
		25	13	21.54	21.57	21.65	22.50
		25	25	21.45	21.60	21.67	22.50
		50	0	21.50	21.66	21.60	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 42165	Channel 42590	Channel 43015	Tune up

15MHz	QPSK	1	0	24.75	24.53	24.59	25.50
		1	38	24.71	24.68	24.70	25.50
		1	74	24.61	24.50	24.40	25.50
		36	0	23.79	23.67	23.76	24.50
		36	18	23.71	23.69	23.52	24.50
		36	39	23.73	23.47	23.58	24.50
		75	0	23.78	23.57	23.55	24.50
	16QAM	1	0	23.73	23.53	23.67	24.50
		1	38	23.70	23.61	23.69	24.50
		1	74	23.59	23.48	23.41	24.50
		36	0	22.85	22.72	22.84	23.50
		36	18	22.95	22.83	22.83	23.50
		36	39	22.87	22.70	22.80	23.50
		75	0	22.83	22.71	22.91	23.50
	64QAM	1	0	22.63	22.47	22.58	23.50
		1	38	22.68	22.56	22.64	23.50
		1	74	22.58	22.46	22.33	23.50
		36	0	21.68	21.58	21.66	22.50
		36	18	21.61	21.67	21.42	22.50
		36	39	21.66	21.40	21.46	22.50
		75	0	21.73	21.50	21.43	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	24.69	24.54	24.64	25.50
		1	50	24.70	24.70	24.69	25.50
		1	99	24.52	24.44	24.43	25.50
		50	0	23.72	23.70	23.69	24.50
		50	25	23.71	23.66	23.62	24.50
		50	50	23.65	23.57	23.58	24.50
		100	0	23.69	23.61	23.62	24.50
	16QAM	1	0	23.67	23.60	23.65	24.50
		1	50	23.71	23.66	23.72	24.50
		1	99	23.56	23.44	23.50	24.50
		50	0	22.89	22.81	22.86	23.50
		50	25	22.86	22.80	22.83	23.50
		50	50	22.83	22.72	22.74	23.50
		100	0	22.86	22.75	22.82	23.50
	64QAM	1	0	22.59	22.48	22.53	23.50
		1	50	22.61	22.59	22.63	23.50
		1	99	22.50	22.41	22.32	23.50
		50	0	21.69	21.62	21.68	22.50
		50	25	21.61	21.59	21.50	22.50
		50	50	21.53	21.45	21.46	22.50
		100	0	21.61	21.60	21.54	22.50

LTE Band 42 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 42115	Channel 42590	Channel 43065	Tune up
5MHz	QPSK	1	0	17.13	17.46	17.51	18.00
		1	13	17.31	17.44	17.47	18.00
		1	24	17.22	17.30	17.28	18.00
		12	0	17.54	17.34	17.63	18.00
		12	6	17.51	17.31	17.54	18.00
		12	13	17.18	17.39	17.47	18.00
		25	0	17.42	17.53	17.47	18.00
	16QAM	1	0	17.29	17.39	17.46	18.00
		1	13	17.31	17.53	17.62	18.00
		1	24	17.28	17.24	17.41	18.00
		12	0	17.58	17.55	17.66	18.00
		12	6	17.22	17.53	17.66	18.00
		12	13	17.36	17.45	17.52	18.00
		25	0	17.47	17.37	17.58	18.00
	64QAM	1	0	17.04	17.40	17.39	18.00
		1	13	17.23	17.34	17.35	18.00
		1	24	17.16	17.19	17.20	18.00
		12	0	17.46	17.29	17.59	18.00
		12	6	17.48	17.26	17.42	18.00
		12	13	17.17	17.28	17.39	18.00
		25	0	17.34	17.44	17.43	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 42140	Channel 42590	Channel 43040	Tune up
10MHz	QPSK	1	0	17.09	17.36	17.58	18.00
		1	25	17.22	17.44	17.45	18.00
		1	49	17.10	17.24	17.25	18.00
		25	0	17.41	17.40	17.66	18.00
		25	13	17.44	17.32	17.51	18.00
		25	25	17.06	17.27	17.40	18.00
		50	0	17.24	17.39	17.57	18.00
	16QAM	1	0	17.28	17.38	17.57	18.00
		1	25	17.29	17.58	17.63	18.00
		1	49	17.31	17.27	17.40	18.00
		25	0	17.56	17.62	17.56	18.00
		25	13	17.28	17.46	17.45	18.00
		25	25	17.37	17.41	17.45	18.00
		50	0	17.34	17.35	17.52	18.00
	64QAM	1	0	16.99	17.27	17.47	18.00
		1	25	17.20	17.34	17.38	18.00
		1	49	17.00	17.16	17.14	18.00
		25	0	17.29	17.31	17.65	18.00
		25	13	17.42	17.20	17.44	18.00
		25	25	16.98	17.19	17.39	18.00
		50	0	17.15	17.27	17.51	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 42165	Channel 42590	Channel 43015	Tune up
15MHz	QPSK	1	0	17.21	17.43	17.53	18.00
		1	38	17.27	17.27	17.59	18.00
		1	74	17.17	17.21	17.32	18.00
		36	0	17.44	17.28	17.59	18.00

		36	18	17.41	17.24	17.47	18.00
		36	39	17.19	17.19	17.45	18.00
		75	0	17.32	17.44	17.53	18.00
	16QAM	1	0	17.21	17.24	17.49	18.00
		1	38	17.35	17.44	17.57	18.00
		1	74	17.21	17.16	17.42	18.00
		36	0	17.49	17.57	17.75	18.00
		36	18	17.31	17.35	17.58	18.00
		36	39	17.35	17.28	17.56	18.00
		75	0	17.26	17.38	17.48	18.00
	64QAM	1	0	17.20	17.39	17.43	18.00
		1	38	17.24	17.19	17.47	18.00
		1	74	17.15	17.13	17.28	18.00
		36	0	17.43	17.23	17.51	18.00
		36	18	17.38	17.19	17.40	18.00
		36	39	17.07	17.14	17.38	18.00
		75	0	17.20	17.38	17.44	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	17.18	17.34	17.48	18.00
		1	50	17.62	17.58	17.51	18.00
		1	99	17.09	17.29	17.18	18.00
		50	0	17.61	17.42	17.57	18.00
		50	25	17.40	17.38	17.61	18.00
		50	50	17.13	17.23	17.50	18.00
		100	0	17.50	17.44	17.49	18.00
	16QAM	1	0	17.22	17.28	17.39	18.00
		1	50	17.29	17.45	17.55	18.00
		1	99	17.25	17.18	17.43	18.00
		50	0	17.41	17.52	17.50	18.00
		50	25	17.25	17.35	17.56	18.00
		50	50	17.29	17.28	17.51	18.00
		100	0	17.32	17.33	17.49	18.00
	64QAM	1	0	17.15	17.30	17.36	18.00
		1	50	17.58	17.52	17.50	18.00
		1	99	16.98	17.19	17.09	18.00
		50	0	17.60	17.41	17.55	18.00
		50	25	17.35	17.37	17.59	18.00
		50	50	17.10	17.21	17.44	18.00
		100	0	17.39	17.42	17.42	18.00

LTE Band 42 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	20.73	20.66	20.61	21.50
		1	13	20.77	20.6	20.55	21.50
		1	24	20.79	20.63	20.53	21.50
		12	0	20.72	20.56	20.59	21.50
		12	6	20.81	20.71	20.61	21.50
		12	13	20.82	20.63	20.46	21.50
		25	0	20.73	20.64	20.63	21.50
	16QAM	1	0	20.82	20.68	20.6	21.50
		1	13	20.7	20.66	20.51	21.50
		1	24	20.67	20.64	20.52	21.50
		12	0	20.85	20.69	20.6	21.50
		12	6	20.76	20.57	20.49	21.50
		12	13	20.77	20.7	20.68	21.50
		25	0	20.85	20.7	20.49	21.50
	64QAM	1	0	20.69	20.58	20.52	21.50
		1	13	20.72	20.58	20.45	21.50
		1	24	20.70	20.54	20.43	21.50
		12	0	20.67	20.46	20.51	21.50
		12	6	20.70	20.66	20.51	21.50
		12	13	20.80	20.57	20.43	21.50
		25	0	20.67	20.52	20.53	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	42140	42590	43040	21.50
		1	25	20.8	20.61	20.6	21.50
		1	49	20.78	20.65	20.54	21.50
		25	0	20.81	20.6	20.5	21.50
		25	13	20.74	20.58	20.5	21.50
		25	25	20.78	20.62	20.65	21.50
		50	0	20.76	20.6	20.47	21.50
	16QAM	1	0	20.76	20.71	20.63	21.50
		1	25	20.84	20.7	20.61	21.50
		1	49	20.74	20.57	20.44	21.50
		25	0	20.7	20.68	20.6	21.50
		25	13	20.82	20.65	20.52	21.50
		25	25	20.83	20.58	20.59	21.50
		50	0	20.74	20.64	20.69	21.50
	64QAM	1	0	20.78	20.63	20.51	21.50
		1	25	20.77	20.60	20.48	21.50
		1	49	20.66	20.56	20.44	21.50
		25	0	20.72	20.52	20.44	21.50
		25	13	20.66	20.50	20.41	21.50
		25	25	20.77	20.61	20.59	21.50
		50	0	20.69	20.55	20.38	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	42165	42590	43015	21.50
		1	38	20.8	20.66	20.69	21.50
		1	74	20.81	20.58	20.51	21.50
		36	0	20.78	20.59	20.5	21.50
		36	0	20.73	20.59	20.58	21.50

	16QAM	36	18	20.79	20.67	20.63	21.50
		36	39	20.83	20.6	20.53	21.50
		75	0	20.81	20.67	20.6	21.50
		1	0	20.82	20.66	20.6	21.50
		1	38	20.71	20.62	20.48	21.50
		1	74	20.72	20.67	20.56	21.50
		36	0	20.76	20.66	20.51	21.50
		36	18	20.79	20.57	20.58	21.50
		36	39	20.75	20.65	20.6	21.50
	64QAM	75	0	20.83	20.72	20.52	21.50
		1	0	20.72	20.65	20.65	21.50
		1	38	20.74	20.48	20.43	21.50
		1	74	20.72	20.53	20.48	21.50
		36	0	20.72	20.51	20.53	21.50
		36	18	20.70	20.66	20.58	21.50
		36	39	20.75	20.50	20.50	21.50
		75	0	20.80	20.62	20.56	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 42190	Channel 42590	Channel 42990	Tune up
20MHz	QPSK	1	0	20.76	20.63	20.60	21.50
		1	50	20.81	20.63	20.90	21.50
		1	99	20.81	20.63	20.56	21.50
		50	0	20.76	20.56	20.78	21.50
		50	25	20.73	20.67	20.56	21.50
		50	50	20.77	20.59	20.50	21.50
		100	0	20.71	20.64	20.62	21.50
	16QAM	1	0	20.82	20.70	20.61	21.50
		1	50	20.76	20.67	20.45	21.50
		1	99	20.72	20.64	20.59	21.50
		50	0	20.78	20.67	20.53	21.50
		50	25	20.85	20.62	20.54	21.50
		50	50	20.72	20.68	20.69	21.50
		100	0	20.84	20.68	20.52	21.50
	64QAM	1	0	20.67	20.57	20.52	21.50
		1	50	20.71	20.62	20.88	21.50
		1	99	20.72	20.59	20.49	21.50
		50	0	20.65	20.45	20.74	21.50
		50	25	20.82	20.55	20.45	21.50
		50	50	20.76	20.51	20.38	21.50
		100	0	20.66	20.62	20.50	21.50

11 Conducted Power of EN-DC

ANT2:

EN-DC B7 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.58	22.67	22.51	23.90
		1	13	22.60	22.81	22.62	23.90
		1	24	22.61	22.62	22.55	23.90
		12	0	21.79	21.66	21.81	22.90
		12	6	21.76	21.73	21.81	22.90
		12	13	21.64	21.69	21.50	22.90
		25	0	21.79	21.63	21.82	22.90
	16QAM	1	0	21.62	21.73	21.73	22.90
		1	13	21.80	21.72	21.87	22.90
		1	24	21.54	21.67	21.46	22.90
		12	0	20.63	20.72	20.79	21.90
		12	6	20.63	20.67	20.74	21.90
		12	13	20.63	20.66	20.66	21.90
		25	0	20.73	20.59	20.78	21.90
	64QAM	1	0	20.84	20.75	20.65	21.90
		1	13	20.76	20.71	20.70	21.90
		1	24	20.51	20.58	20.53	21.90
		12	0	19.74	19.72	19.81	20.90
		12	6	19.91	19.75	19.87	20.90
		12	13	19.69	19.81	19.77	20.90
		25	0	19.79	19.80	19.92	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.59	22.64	22.53	23.90
		1	25	22.77	22.70	22.69	23.90
		1	49	22.66	22.56	22.50	23.90
		25	0	21.71	21.67	21.79	22.90
		25	13	21.67	21.66	21.70	22.90
		25	25	21.66	21.69	21.46	22.90
		50	0	21.73	21.64	21.70	22.90
	16QAM	1	0	21.64	21.65	21.64	22.90
		1	25	21.80	21.77	21.81	22.90
		1	49	21.53	21.57	21.56	22.90
		25	0	20.77	20.70	20.74	21.90
		25	13	20.66	20.64	20.78	21.90
		25	25	20.74	20.53	20.64	21.90
		50	0	20.80	20.68	20.71	21.90
	64QAM	1	0	20.86	20.72	20.78	21.90
		1	25	20.64	20.82	20.67	21.90
		1	49	20.41	20.51	20.37	21.90
		25	0	19.70	19.69	19.86	20.90
		25	13	19.92	19.75	19.79	20.90
		25	25	19.65	19.78	19.88	20.90
		50	0	19.82	19.74	19.90	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				20825	21100	21375	
15MHz	QPSK	1	0	22.55	22.59	22.61	23.90
		1	38	22.69	22.70	22.62	23.90
		1	74	22.61	22.55	22.59	23.90
		36	0	21.81	21.66	21.68	22.90
		36	18	21.72	21.66	21.76	22.90
		36	39	21.72	21.70	21.58	22.90
		75	0	21.74	21.64	21.86	22.90
	16QAM	1	0	21.59	21.73	21.61	22.90
		1	38	21.69	21.82	21.99	22.90
		1	74	21.69	21.61	21.49	22.90
		36	0	20.72	20.67	20.77	21.90
		36	18	20.64	20.60	20.67	21.90
		36	39	20.62	20.52	20.68	21.90
		75	0	20.82	20.67	20.80	21.90
	64QAM	1	0	20.74	20.62	20.74	21.90
		1	38	20.70	20.70	20.58	21.90
		1	74	20.48	20.52	20.45	21.90
		36	0	19.72	19.68	19.86	20.90
		36	18	19.86	19.89	19.79	20.90
		36	39	19.82	19.83	19.93	20.90
		75	0	19.82	19.75	19.92	20.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.62	22.61	22.53	23.90
		1	50	22.70	22.74	22.68	23.90
		1	99	22.62	22.55	22.51	23.90
		50	0	21.76	21.76	21.74	22.90
		50	25	21.74	21.74	21.73	22.90
		50	50	21.70	21.62	21.52	22.90
		100	0	21.74	21.71	21.78	22.90
	16QAM	1	0	21.59	21.68	21.71	22.90
		1	50	21.72	21.82	21.91	22.90
		1	99	21.62	21.62	21.53	22.90
		50	0	20.70	20.67	20.72	21.90
		50	25	20.69	20.68	20.72	21.90
		50	50	20.66	20.62	20.68	21.90
		100	0	20.74	20.67	20.75	21.90
	64QAM	1	0	20.78	20.69	20.73	21.90
		1	50	20.71	20.78	20.68	21.90
		1	99	20.48	20.56	20.47	21.90
		50	0	19.71	19.78	19.84	20.90
		50	25	19.90	19.84	19.85	20.90
		50	50	19.74	19.76	19.85	20.90
		100	0	19.76	19.78	19.84	20.90

EN-DC B7 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	19.68	19.75	19.56	20.30
		1	13	19.65	19.85	19.68	20.30
		1	24	19.69	19.72	19.58	20.30
		12	0	19.75	19.62	19.78	20.30
		12	6	19.69	19.65	19.71	20.30
		12	13	19.56	19.61	19.48	20.30
		25	0	19.73	19.59	19.75	20.30
	16QAM	1	0	19.60	19.69	19.66	20.30
		1	13	19.73	19.68	19.82	20.30
		1	24	19.45	19.60	19.42	20.30
		12	0	19.55	19.62	19.71	20.30
		12	6	19.58	19.58	19.69	20.30
		12	13	19.55	19.64	19.58	20.30
		25	0	19.68	19.53	19.69	20.30
	64QAM	1	0	19.79	19.73	19.55	20.30
		1	13	19.71	19.68	19.67	20.30
		1	24	19.48	19.50	19.45	20.30
		12	0	19.72	19.67	19.77	20.30
		12	6	19.88	19.65	19.85	20.30
		12	13	19.60	19.78	19.71	20.30
		25	0	19.76	19.78	19.90	20.30
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	19.67	19.71	19.59	20.30
		1	25	19.81	19.80	19.74	20.30
		1	49	19.74	19.65	19.52	20.30
		25	0	19.65	19.62	19.74	20.30
		25	13	19.62	19.62	19.62	20.30
		25	25	19.62	19.62	19.37	20.30
		50	0	19.64	19.61	19.67	20.30
	16QAM	1	0	19.60	19.58	19.58	20.30
		1	25	19.71	19.68	19.77	20.30
		1	49	19.44	19.53	19.50	20.30
		25	0	19.72	19.61	19.68	20.30
		25	13	19.61	19.54	19.70	20.30
		25	25	19.71	19.45	19.57	20.30
		50	0	19.71	19.59	19.62	20.30
	64QAM	1	0	19.77	19.64	19.73	20.30
		1	25	19.61	19.74	19.58	20.30
		1	49	19.31	19.42	19.35	20.30
		25	0	19.63	19.67	19.81	20.30
		25	13	19.90	19.69	19.75	20.30
		25	25	19.61	19.68	19.78	20.30
		50	0	19.76	19.65	19.80	20.30
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	19.61	19.68	19.66	20.30
		1	38	19.78	19.79	19.71	20.30
		1	74	19.70	19.61	19.67	20.30
		36	0	19.71	19.64	19.62	20.30

		36	18	19.63	19.57	19.69	20.30
		36	39	19.68	19.68	19.54	20.30
		75	0	19.65	19.62	19.82	20.30
	16QAM	1	0	19.51	19.65	19.54	20.30
		1	38	19.61	19.77	19.92	20.30
		1	74	19.67	19.52	19.43	20.30
		36	0	19.68	19.61	19.72	20.30
		36	18	19.62	19.56	19.60	20.30
		36	39	19.53	19.48	19.63	20.30
		75	0	19.75	19.57	19.74	20.30
	64QAM	1	0	19.68	19.58	19.72	20.30
		1	38	19.68	19.64	19.51	20.30
		1	74	19.39	19.50	19.42	20.30
		36	0	19.63	19.58	19.83	20.30
		36	18	19.76	19.81	19.69	20.30
		36	39	19.80	19.74	19.86	20.30
		75	0	19.75	19.69	19.82	20.30
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	19.67	19.70	19.59	20.30
		1	50	19.77	19.84	19.76	20.30
		1	99	19.68	19.64	19.54	20.30
		50	0	19.72	19.73	19.67	20.30
		50	25	19.71	19.71	19.68	20.30
		50	50	19.63	19.52	19.45	20.30
		100	0	19.72	19.69	19.71	20.30
	16QAM	1	0	19.52	19.62	19.65	20.30
		1	50	19.64	19.75	19.83	20.30
		1	99	19.60	19.60	19.48	20.30
		50	0	19.65	19.61	19.62	20.30
		50	25	19.60	19.63	19.66	20.30
		50	50	19.62	19.60	19.62	20.30
		100	0	19.70	19.59	19.66	20.30
	64QAM	1	0	19.69	19.64	19.69	20.30
		1	50	19.61	19.75	19.62	20.30
		1	99	19.45	19.52	19.37	20.30
		50	0	19.61	19.71	19.82	20.30
		50	25	19.88	19.79	19.80	20.30
		50	50	19.64	19.67	19.75	20.30
		100	0	19.66	19.76	19.75	20.30

ANT4:

EN-DC B7 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	23.74	23.49	23.46	25.10
		1	13	23.66	23.64	23.62	25.10
		1	24	23.51	23.60	23.48	25.10
		12	0	22.61	22.58	22.69	24.10
		12	6	22.71	22.72	22.74	24.10
		12	13	22.66	22.66	22.66	24.10
		25	0	22.54	22.62	22.52	24.10
	16QAM	1	0	22.64	22.60	22.63	24.10
		1	13	22.89	22.79	22.64	24.10
		1	24	22.72	22.62	22.43	24.10
		12	0	21.65	21.56	21.70	23.10
		12	6	21.69	21.61	21.67	23.10
		12	13	21.48	21.52	21.63	23.10
		25	0	21.56	21.55	21.69	23.10
	64QAM	1	0	21.77	21.58	21.63	23.10
		1	13	21.86	21.83	21.69	23.10
		1	24	21.49	21.51	21.57	23.10
		12	0	20.67	20.69	20.73	22.10
		12	6	20.73	20.71	20.72	22.10
		12	13	20.77	20.67	20.85	22.10
		25	0	20.79	20.66	20.73	22.10
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	23.67	23.68	23.63	25.10
		1	25	23.56	23.71	23.72	25.10
		1	49	23.50	23.50	23.54	25.10
		25	0	22.57	22.68	22.60	24.10
		25	13	22.74	22.63	22.74	24.10
		25	25	22.74	22.53	22.67	24.10
		50	0	22.57	22.56	22.66	24.10
	16QAM	1	0	22.74	22.75	22.60	24.10
		1	25	22.80	22.83	22.72	24.10
		1	49	22.66	22.54	22.58	24.10
		25	0	21.73	21.60	21.65	23.10
		25	13	21.63	21.77	21.61	23.10
		25	25	21.54	21.65	21.59	23.10
		50	0	21.61	21.69	21.66	23.10
	64QAM	1	0	21.76	21.61	21.64	23.10
		1	25	21.71	21.75	21.71	23.10
		1	49	21.49	21.63	21.57	23.10
		25	0	20.69	20.72	20.82	22.10
		25	13	20.77	20.80	20.79	22.10
		25	25	20.84	20.71	20.88	22.10
		50	0	20.79	20.73	20.72	22.10
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	23.59	23.50	23.56	25.10

		1	38	23.58	23.72	23.63	25.10
		1	74	23.42	23.61	23.49	25.10
		36	0	22.52	22.57	22.54	24.10
		36	18	22.86	22.78	22.77	24.10
		36	39	22.66	22.68	22.74	24.10
		75	0	22.66	22.69	22.57	24.10
	16QAM	1	0	22.76	22.62	22.60	24.10
		1	38	22.94	22.71	22.65	24.10
		1	74	22.62	22.49	22.47	24.10
		36	0	21.65	21.54	21.53	23.10
		36	18	21.75	21.77	21.54	23.10
		36	39	21.48	21.63	21.58	23.10
		75	0	21.55	21.58	21.53	23.10
	64QAM	1	0	21.62	21.57	21.73	23.10
		1	38	21.80	21.86	21.70	23.10
		1	74	21.49	21.60	21.62	23.10
		36	0	20.64	20.89	20.88	22.10
		36	18	20.79	20.67	20.77	22.10
		36	39	20.79	20.75	20.85	22.10
		75	0	20.83	20.65	20.59	22.10
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	23.70	23.60	23.58	25.10
		1	50	23.67	23.72	23.64	25.10
		1	99	23.47	23.53	23.58	25.10
		50	0	22.62	22.81	22.64	24.10
		50	25	22.80	22.72	22.70	24.10
		50	50	22.72	22.65	22.75	24.10
		100	0	22.59	22.67	22.64	24.10
	16QAM	1	0	22.69	22.68	22.68	24.10
		1	50	22.86	22.80	22.74	24.10
		1	99	22.65	22.61	22.53	24.10
		50	0	21.69	21.63	21.62	23.10
		50	25	21.70	21.69	21.61	23.10
		50	50	21.60	21.58	21.67	23.10
		100	0	21.61	21.64	21.63	23.10
	64QAM	1	0	21.71	21.62	21.65	23.10
		1	50	21.79	21.78	21.77	23.10
		1	99	21.48	21.55	21.55	23.10
		50	0	20.75	20.81	20.84	22.10
		50	25	20.72	20.79	20.72	22.10
		50	50	20.78	20.76	20.80	22.10
		100	0	20.81	20.73	20.71	22.10

EN-DC B7 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	13.81	13.54	13.55	15.10
		1	13	13.77	13.76	13.70	15.10
		1	24	13.60	13.62	13.56	15.10
		12	0	13.56	13.52	13.61	15.10
		12	6	13.64	13.67	13.62	15.10
		12	13	13.54	13.59	13.62	15.10
		25	0	13.48	13.55	13.49	15.10
	16QAM	1	0	13.62	13.50	13.52	15.10
		1	13	13.77	13.76	13.55	15.10
		1	24	13.70	13.56	13.33	15.10
		12	0	13.60	13.53	13.63	15.10
		12	6	13.57	13.49	13.57	15.10
		12	13	13.44	13.41	13.52	15.10
		25	0	13.44	13.43	13.61	15.10
	64QAM	1	0	13.74	13.52	13.53	15.10
		1	13	13.84	13.77	13.63	15.10
		1	24	13.43	13.45	13.51	15.10
		12	0	13.60	13.65	13.62	15.10
		12	6	13.62	13.69	13.60	15.10
		12	13	13.74	13.56	13.76	15.10
		25	0	13.69	13.57	13.67	15.10
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	13.70	13.76	13.71	15.10
		1	25	13.59	13.78	13.75	15.10
		1	49	13.53	13.54	13.56	15.10
		25	0	13.54	13.56	13.54	15.10
		25	13	13.63	13.55	13.68	15.10
		25	25	13.72	13.47	13.63	15.10
		50	0	13.45	13.53	13.56	15.10
	16QAM	1	0	13.69	13.70	13.49	15.10
		1	25	13.76	13.77	13.69	15.10
		1	49	13.63	13.49	13.52	15.10
		25	0	13.62	13.54	13.56	15.10
		25	13	13.57	13.73	13.53	15.10
		25	25	13.46	13.53	13.54	15.10
		50	0	13.51	13.57	13.54	15.10
	64QAM	1	0	13.65	13.53	13.59	15.10
		1	25	13.66	13.63	13.66	15.10
		1	49	13.37	13.58	13.47	15.10
		25	0	13.67	13.65	13.78	15.10
		25	13	13.75	13.78	13.73	15.10
		25	25	13.82	13.69	13.83	15.10
		50	0	13.74	13.62	13.70	15.10
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	13.65	13.53	13.66	15.10
		1	38	13.65	13.75	13.68	15.10
		1	74	13.44	13.73	13.57	15.10
		36	0	13.46	13.49	13.47	15.10

		36	18	13.77	13.76	13.67	15.10
		36	39	13.56	13.66	13.63	15.10
		75	0	13.55	13.66	13.47	15.10
	16QAM	1	0	13.73	13.50	13.54	15.10
		1	38	13.90	13.65	13.63	15.10
		1	74	13.52	13.40	13.37	15.10
		36	0	13.57	13.47	13.51	15.10
		36	18	13.67	13.67	13.51	15.10
		36	39	13.44	13.59	13.49	15.10
		75	0	13.48	13.52	13.51	15.10
	64QAM	1	0	13.52	13.52	13.71	15.10
		1	38	13.77	13.78	13.68	15.10
		1	74	13.42	13.50	13.55	15.10
		36	0	13.53	13.80	13.86	15.10
		36	18	13.69	13.59	13.67	15.10
		36	39	13.68	13.65	13.81	15.10
		75	0	13.81	13.53	13.51	15.10
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	13.76	13.69	13.67	15.10
		1	50	13.77	13.81	13.69	15.10
		1	99	13.51	13.56	13.65	15.10
		50	0	13.56	13.71	13.55	15.10
		50	25	13.68	13.65	13.67	15.10
		50	50	13.70	13.62	13.64	15.10
		100	0	13.54	13.60	13.59	15.10
	16QAM	1	0	13.64	13.61	13.59	15.10
		1	50	13.74	13.70	13.64	15.10
		1	99	13.58	13.54	13.51	15.10
		50	0	13.64	13.58	13.54	15.10
		50	25	13.67	13.60	13.59	15.10
		50	50	13.55	13.54	13.59	15.10
		100	0	13.56	13.60	13.52	15.10
	64QAM	1	0	13.68	13.52	13.59	15.10
		1	50	13.77	13.71	13.69	15.10
		1	99	13.41	13.51	13.47	15.10
		50	0	13.68	13.74	13.82	15.10
		50	25	13.63	13.72	13.60	15.10
		50	50	13.76	13.74	13.73	15.10
		100	0	13.74	13.64	13.65	15.10

EN-DC B7 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	19.77	19.56	19.52	21.10
		1	13	19.68	19.73	19.65	21.10
		1	24	19.53	19.66	19.51	21.10
		12	0	19.58	19.48	19.60	21.10
		12	6	19.63	19.68	19.62	21.10
		12	13	19.61	19.62	19.57	21.10
		25	0	19.52	19.52	19.44	21.10
	16QAM	1	0	19.52	19.56	19.61	21.10
		1	13	19.82	19.69	19.62	21.10
		1	24	19.60	19.54	19.39	21.10
		12	0	19.55	19.45	19.63	21.10
		12	6	19.62	19.57	19.60	21.10
		12	13	19.38	19.44	19.58	21.10
		25	0	19.46	19.46	19.67	21.10
	64QAM	1	0	19.75	19.55	19.56	21.10
		1	13	19.78	19.72	19.57	21.10
		1	24	19.46	19.39	19.55	21.10
		12	0	19.63	19.58	19.62	21.10
		12	6	19.71	19.64	19.65	21.10
		12	13	19.70	19.61	19.79	21.10
		25	0	19.75	19.55	19.66	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	19.69	19.77	19.67	21.10
		1	25	19.58	19.79	19.84	21.10
		1	49	19.54	19.54	19.65	21.10
		25	0	19.47	19.57	19.52	21.10
		25	13	19.68	19.55	19.66	21.10
		25	25	19.72	19.45	19.57	21.10
		50	0	19.52	19.53	19.55	21.10
	16QAM	1	0	19.70	19.71	19.54	21.10
		1	25	19.71	19.73	19.70	21.10
		1	49	19.56	19.48	19.49	21.10
		25	0	19.68	19.50	19.59	21.10
		25	13	19.53	19.68	19.55	21.10
		25	25	19.46	19.60	19.53	21.10
		50	0	19.57	19.66	19.58	21.10
	64QAM	1	0	19.70	19.59	19.52	21.10
		1	25	19.67	19.64	19.61	21.10
		1	49	19.46	19.57	19.55	21.10
		25	0	19.57	19.66	19.70	21.10
		25	13	19.70	19.78	19.68	21.10
		25	25	19.74	19.67	19.81	21.10
		50	0	19.73	19.66	19.65	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	19.67	19.59	19.61	21.10
		1	38	19.61	19.79	19.75	21.10
		1	74	19.45	19.65	19.53	21.10
		36	0	19.45	19.53	19.50	21.10

		36	18	19.74	19.70	19.72	21.10
		36	39	19.59	19.56	19.66	21.10
		75	0	19.57	19.62	19.51	21.10
	16QAM	1	0	19.68	19.60	19.53	21.10
		1	38	19.89	19.61	19.60	21.10
		1	74	19.52	19.42	19.43	21.10
		36	0	19.61	19.52	19.41	21.10
		36	18	19.64	19.70	19.49	21.10
		36	39	19.41	19.59	19.46	21.10
		75	0	19.44	19.49	19.47	21.10
	64QAM	1	0	19.52	19.53	19.71	21.10
		1	38	19.70	19.80	19.60	21.10
		1	74	19.43	19.51	19.58	21.10
		36	0	19.53	19.86	19.76	21.10
		36	18	19.70	19.63	19.75	21.10
		36	39	19.74	19.68	19.74	21.10
		75	0	19.73	19.63	19.51	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	19.82	19.69	19.66	21.10
		1	50	19.76	19.83	19.70	21.10
		1	99	19.54	19.62	19.64	21.10
		50	0	19.59	19.73	19.62	21.10
		50	25	19.72	19.69	19.58	21.10
		50	50	19.68	19.62	19.65	21.10
		100	0	19.50	19.61	19.54	21.10
	16QAM	1	0	19.64	19.58	19.61	21.10
		1	50	19.78	19.77	19.68	21.10
		1	99	19.55	19.59	19.43	21.10
		50	0	19.64	19.56	19.59	21.10
		50	25	19.58	19.66	19.56	21.10
		50	50	19.52	19.54	19.59	21.10
		100	0	19.57	19.60	19.56	21.10
	64QAM	1	0	19.59	19.58	19.57	21.10
		1	50	19.76	19.74	19.73	21.10
		1	99	19.43	19.43	19.46	21.10
		50	0	19.70	19.71	19.74	21.10
		50	25	19.64	19.77	19.67	21.10
		50	50	19.68	19.70	19.75	21.10
		100	0	19.79	19.66	19.59	21.10

ANT5:

EN-DC B7 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	21.73	21.74	21.75	23.00
		1	13	21.76	21.81	21.78	23.00
		1	24	21.64	21.69	21.61	23.00
		12	0	21.69	21.63	21.44	23.00
		12	6	21.52	21.63	21.62	23.00
		12	13	21.57	21.51	21.61	23.00
		25	0	21.68	21.53	21.63	23.00
	16QAM	1	0	21.66	21.49	21.48	23.00
		1	13	21.92	21.70	21.60	23.00
		1	24	21.45	21.53	21.64	23.00
		12	0	21.61	21.71	21.69	23.00
		12	6	21.57	21.82	21.68	23.00
		12	13	21.70	21.71	21.66	23.00
		25	0	21.65	21.57	21.53	23.00
	64QAM	1	0	21.58	21.52	21.52	23.00
		1	13	21.83	21.68	21.76	23.00
		1	24	21.54	21.67	21.54	23.00
		12	0	20.71	20.78	20.75	22.00
		12	6	20.75	20.89	20.84	22.00
		12	13	20.93	20.76	20.78	22.00
		25	0	20.91	20.76	20.76	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	21.72	21.68	21.70	23.00
		1	25	21.91	21.93	21.79	23.00
		1	49	21.61	21.54	21.66	23.00
		25	0	21.56	21.77	21.54	23.00
		25	13	21.56	21.54	21.68	23.00
		25	25	21.78	21.65	21.62	23.00
		50	0	21.70	21.63	21.57	23.00
	16QAM	1	0	21.80	21.58	21.61	23.00
		1	25	21.70	21.71	21.78	23.00
		1	49	21.39	21.48	21.51	23.00
		25	0	21.62	21.76	21.58	23.00
		25	13	21.68	21.70	21.78	23.00
		25	25	21.71	21.67	21.77	23.00
		50	0	21.64	21.60	21.63	23.00
	64QAM	1	0	21.66	21.71	21.66	23.00
		1	25	21.75	21.87	21.81	23.00
		1	49	21.63	21.62	21.41	23.00
		25	0	20.80	20.73	20.76	22.00
		25	13	20.82	20.85	20.91	22.00
		25	25	20.79	20.66	20.71	22.00
		50	0	20.72	20.89	20.78	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	21.79	21.73	21.63	23.00

		1	38	21.88	21.87	21.85	23.00
		1	74	21.61	21.53	21.71	23.00
		36	0	21.59	21.49	21.51	23.00
		36	18	21.64	21.62	21.55	23.00
		36	39	21.78	21.56	21.62	23.00
		75	0	21.60	21.55	21.57	23.00
	16QAM	1	0	21.85	21.72	21.64	23.00
		1	38	21.80	21.85	21.63	23.00
		1	74	21.44	21.62	21.53	23.00
		36	0	21.57	21.64	21.50	23.00
		36	18	21.53	21.81	21.78	23.00
		36	39	21.70	21.61	21.70	23.00
		75	0	21.58	21.58	21.51	23.00
	64QAM	1	0	21.71	21.57	21.69	23.00
		1	38	21.85	21.73	21.69	23.00
		1	74	21.72	21.51	21.51	23.00
		36	0	20.66	20.86	20.95	22.00
		36	18	20.74	20.87	20.89	22.00
		36	39	20.92	20.76	20.58	22.00
		75	0	20.84	20.79	20.79	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	21.74	21.74	21.67	23.00
		1	50	21.89	21.90	21.83	23.00
		1	99	21.64	21.61	21.71	23.00
		50	0	21.63	21.73	21.60	23.00
		50	25	21.64	21.72	21.71	23.00
		50	50	21.67	21.63	21.56	23.00
		100	0	21.70	21.60	21.61	23.00
	16QAM	1	0	21.74	21.70	21.63	23.00
		1	50	21.84	21.75	21.67	23.00
		1	99	21.53	21.56	21.61	23.00
		50	0	21.63	21.72	21.63	23.00
		50	25	21.64	21.74	21.72	23.00
		50	50	21.65	21.65	21.71	23.00
		100	0	21.70	21.69	21.59	23.00
	64QAM	1	0	21.66	21.65	21.63	23.00
		1	50	21.79	21.81	21.79	23.00
		1	99	21.65	21.62	21.54	23.00
		50	0	20.79	20.86	20.87	22.00
		50	25	20.75	20.83	20.88	22.00
		50	50	20.87	20.79	20.71	22.00
		100	0	20.84	20.83	20.86	22.00

EN-DC B7 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	12.81	12.82	12.87	14.00
		1	13	12.78	12.85	12.90	14.00
		1	24	12.75	12.80	12.66	14.00
		12	0	12.71	12.67	12.46	14.00
		12	6	12.55	12.72	12.72	14.00
		12	13	12.64	12.54	12.71	14.00
		25	0	12.72	12.63	12.73	14.00
	16QAM	1	0	12.55	12.42	12.39	14.00
		1	13	12.82	12.66	12.48	14.00
		1	24	12.41	12.42	12.58	14.00
		12	0	12.54	12.69	12.58	14.00
		12	6	12.53	12.76	12.66	14.00
		12	13	12.66	12.68	12.59	14.00
		25	0	12.62	12.48	12.47	14.00
	64QAM	1	0	12.52	12.49	12.50	14.00
		1	13	12.79	12.64	12.70	14.00
		1	24	12.45	12.62	12.46	14.00
		12	0	12.69	12.74	12.63	14.00
		12	6	12.65	12.87	12.73	14.00
		12	13	12.81	12.64	12.75	14.00
		25	0	12.87	12.65	12.70	14.00
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	12.81	12.70	12.78	14.00
		1	25	12.97	13.02	12.86	14.00
		1	49	12.66	12.65	12.73	14.00
		25	0	12.65	12.81	12.60	14.00
		25	13	12.64	12.65	12.73	14.00
		25	25	12.84	12.75	12.73	14.00
		50	0	12.73	12.67	12.68	14.00
	16QAM	1	0	12.77	12.46	12.56	14.00
		1	25	12.63	12.65	12.71	14.00
		1	49	12.29	12.38	12.44	14.00
		25	0	12.53	12.64	12.53	14.00
		25	13	12.66	12.65	12.72	14.00
		25	25	12.61	12.65	12.74	14.00
		50	0	12.53	12.51	12.57	14.00
	64QAM	1	0	12.64	12.59	12.56	14.00
		1	25	12.70	12.82	12.79	14.00
		1	49	12.57	12.58	12.37	14.00
		25	0	12.74	12.63	12.66	14.00
		25	13	12.75	12.78	12.80	14.00
		25	25	12.73	12.60	12.63	14.00
		50	0	12.67	12.83	12.69	14.00
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	12.87	12.79	12.69	14.00
		1	38	12.92	12.89	12.87	14.00
		1	74	12.72	12.60	12.81	14.00
		36	0	12.64	12.55	12.54	14.00

		36	18	12.74	12.71	12.58	14.00
		36	39	12.89	12.67	12.65	14.00
		75	0	12.68	12.59	12.61	14.00
	16QAM	1	0	12.74	12.69	12.61	14.00
		1	38	12.68	12.73	12.55	14.00
		1	74	12.37	12.59	12.46	14.00
		36	0	12.55	12.55	12.48	14.00
		36	18	12.50	12.74	12.69	14.00
		36	39	12.59	12.56	12.65	14.00
		75	0	12.55	12.47	12.41	14.00
	64QAM	1	0	12.65	12.55	12.67	14.00
		1	38	12.82	12.71	12.62	14.00
		1	74	12.61	12.44	12.44	14.00
		36	0	12.64	12.82	12.87	14.00
		36	18	12.71	12.77	12.84	14.00
		36	39	12.81	12.68	12.51	14.00
		75	0	12.74	12.73	12.71	14.00
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	12.77	12.80	12.75	14.00
		1	50	13.15	13.15	12.90	14.00
		1	99	12.75	12.66	12.81	14.00
		50	0	12.73	13.25	12.67	14.00
		50	25	12.71	12.78	12.83	14.00
		50	50	12.78	12.65	12.63	14.00
		100	0	12.80	12.62	12.70	14.00
	16QAM	1	0	12.62	12.63	12.51	14.00
		1	50	12.81	12.71	12.63	14.00
		1	99	12.47	12.48	12.57	14.00
		50	0	12.53	12.64	12.61	14.00
		50	25	12.59	12.67	12.61	14.00
		50	50	12.61	12.55	12.66	14.00
		100	0	12.66	12.66	12.55	14.00
	64QAM	1	0	12.54	12.58	12.59	14.00
		1	50	12.75	12.74	12.67	14.00
		1	99	12.63	12.60	12.48	14.00
		50	0	12.76	12.80	12.76	14.00
		50	25	12.68	12.80	12.85	14.00
		50	50	12.79	12.74	12.67	14.00
		100	0	12.82	12.73	12.81	14.00

EN-DC B7 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	17.72	17.77	17.77	19.00
		1	13	17.83	17.81	17.70	19.00
		1	24	17.62	17.72	17.69	19.00
		12	0	17.82	17.77	17.65	19.00
		12	6	17.69	17.74	17.81	19.00
		12	13	17.66	17.69	17.78	19.00
		25	0	17.86	17.66	17.73	19.00
	16QAM	1	0	17.68	17.54	17.53	19.00
		1	13	17.92	17.66	17.63	19.00
		1	24	17.47	17.58	17.57	19.00
		12	0	17.57	17.66	17.58	19.00
		12	6	17.49	17.77	17.63	19.00
		12	13	17.62	17.60	17.59	19.00
		25	0	17.59	17.51	17.51	19.00
	64QAM	1	0	17.56	17.41	17.40	19.00
		1	13	17.72	17.61	17.74	19.00
		1	24	17.52	17.59	17.42	19.00
		12	0	17.60	17.66	17.66	19.00
		12	6	17.70	17.82	17.75	19.00
		12	13	17.81	17.71	17.69	19.00
		25	0	17.87	17.71	17.68	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	17.73	17.65	17.68	19.00
		1	25	17.93	17.90	17.77	19.00
		1	49	17.59	17.59	17.68	19.00
		25	0	17.71	17.86	17.66	19.00
		25	13	17.69	17.69	17.90	19.00
		25	25	17.86	17.81	17.76	19.00
		50	0	17.84	17.76	17.71	19.00
	16QAM	1	0	17.79	17.63	17.61	19.00
		1	25	17.71	17.68	17.75	19.00
		1	49	17.36	17.51	17.54	19.00
		25	0	17.57	17.71	17.49	19.00
		25	13	17.58	17.63	17.72	19.00
		25	25	17.65	17.56	17.72	19.00
		50	0	17.57	17.53	17.58	19.00
	64QAM	1	0	17.56	17.60	17.63	19.00
		1	25	17.70	17.80	17.69	19.00
		1	49	17.58	17.56	17.35	19.00
		25	0	17.70	17.71	17.74	19.00
		25	13	17.79	17.82	17.80	19.00
		25	25	17.67	17.58	17.59	19.00
		50	0	17.69	17.82	17.72	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	17.73	17.80	17.60	19.00
		1	38	17.92	17.87	17.87	19.00
		1	74	17.62	17.55	17.70	19.00
		36	0	17.71	17.68	17.65	19.00

		36	18	17.69	17.75	17.73	19.00
		36	39	17.89	17.71	17.82	19.00
		75	0	17.77	17.73	17.71	19.00
	16QAM	1	0	17.83	17.68	17.69	19.00
		1	38	17.75	17.82	17.58	19.00
		1	74	17.54	17.63	17.62	19.00
		36	0	17.54	17.56	17.41	19.00
		36	18	17.41	17.74	17.69	19.00
		36	39	17.68	17.53	17.60	19.00
		75	0	17.46	17.56	17.43	19.00
		1	0	17.62	17.52	17.61	19.00
	64QAM	1	38	17.76	17.68	17.65	19.00
		1	74	17.60	17.47	17.40	19.00
		36	0	17.55	17.82	17.90	19.00
		36	18	17.67	17.75	17.84	19.00
		36	39	17.83	17.68	17.49	19.00
		75	0	17.82	17.76	17.71	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	17.80	17.71	17.68	19.00
		1	50	17.89	17.87	17.88	19.00
		1	99	17.67	17.61	17.73	19.00
		50	0	17.80	17.74	17.75	19.00
		50	25	17.78	17.85	17.84	19.00
		50	50	17.78	17.79	17.73	19.00
		100	0	17.81	17.78	17.77	19.00
	16QAM	1	0	17.70	17.68	17.68	19.00
		1	50	17.89	17.75	17.65	19.00
		1	99	17.54	17.62	17.63	19.00
		50	0	17.61	17.64	17.52	19.00
		50	25	17.60	17.72	17.66	19.00
		50	50	17.61	17.61	17.62	19.00
		100	0	17.61	17.65	17.47	19.00
	64QAM	1	0	17.55	17.53	17.54	19.00
		1	50	17.71	17.76	17.69	19.00
		1	99	17.54	17.53	17.51	19.00
		50	0	17.71	17.79	17.80	19.00
		50	25	17.63	17.73	17.80	19.00
		50	50	17.79	17.73	17.60	19.00
		100	0	17.73	17.73	17.83	19.00

ANT8:

EN-DC B7 Full power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	18.94	18.93	18.89	20.50
		1	13	19.25	19.15	19.07	20.50
		1	24	19.06	18.94	18.92	20.50
		12	0	19.12	18.99	18.93	20.50
		12	6	19.03	19.15	19.18	20.50
		12	13	19.04	19.08	19.11	20.50
		25	0	18.96	19.00	19.00	20.50
	16QAM	1	0	19.21	19.17	19.20	20.50
		1	13	19.24	19.11	19.22	20.50
		1	24	18.99	18.95	19.02	20.50
		12	0	18.95	19.21	19.23	20.50
		12	6	19.00	19.07	19.11	20.50
		12	13	19.02	18.94	19.10	20.50
		25	0	19.17	19.05	19.04	20.50
	64QAM	1	0	19.12	19.16	19.17	20.50
		1	13	19.15	19.10	19.12	20.50
		1	24	19.11	18.97	18.99	20.50
		12	0	19.14	18.99	18.98	20.50
		12	6	19.13	19.07	19.10	20.50
		12	13	18.95	19.08	18.96	20.50
		25	0	18.95	18.99	18.99	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	18.96	19.02	19.07	20.50
		1	25	19.11	19.22	19.30	20.50
		1	49	19.11	18.96	18.95	20.50
		25	0	19.10	19.08	19.13	20.50
		25	13	19.09	19.12	19.01	20.50
		25	25	18.94	18.99	19.10	20.50
		50	0	19.10	19.03	19.06	20.50
	16QAM	1	0	19.29	18.97	19.21	20.50
		1	25	19.23	19.20	19.22	20.50
		1	49	18.96	18.97	19.01	20.50
		25	0	19.01	19.13	19.26	20.50
		25	13	19.04	19.07	19.03	20.50
		25	25	19.01	18.91	18.92	20.50
		50	0	19.19	19.15	19.05	20.50
	64QAM	1	0	19.04	19.13	19.00	20.50
		1	25	19.11	19.14	19.10	20.50
		1	49	19.05	18.96	19.09	20.50
		25	0	19.14	19.08	18.99	20.50
		25	13	19.22	18.98	19.21	20.50
		25	25	19.15	18.95	19.16	20.50
		50	0	18.91	19.08	18.98	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	18.98	18.90	18.98	20.50

		1	38	19.11	19.09	19.17	20.50
		1	74	19.07	18.98	18.98	20.50
		36	0	19.22	18.96	19.13	20.50
		36	18	19.13	19.13	19.14	20.50
		36	39	19.14	19.00	18.93	20.50
		75	0	19.11	19.16	19.07	20.50
	16QAM	1	0	19.24	19.10	19.23	20.50
		1	38	19.28	19.23	19.35	20.50
		1	74	19.03	18.93	19.05	20.50
		36	0	19.05	19.20	19.16	20.50
		36	18	19.22	19.11	19.12	20.50
		36	39	18.97	19.02	18.98	20.50
		75	0	19.11	19.06	19.13	20.50
	64QAM	1	0	19.05	19.06	19.00	20.50
		1	38	19.16	19.22	19.13	20.50
		1	74	18.95	18.96	18.93	20.50
		36	0	19.24	19.10	18.98	20.50
		36	18	19.19	19.05	19.05	20.50
		36	39	19.05	19.01	18.96	20.50
		75	0	19.11	19.16	19.08	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	19.07	19.05	19.00	20.50
		1	50	19.25	19.30	19.22	20.50
		1	99	19.04	18.98	18.99	20.50
		50	0	19.20	19.21	19.08	20.50
		50	25	19.12	19.14	19.10	20.50
		50	50	19.07	19.05	19.05	20.50
		100	0	19.02	19.12	19.14	20.50
	16QAM	1	0	19.24	19.09	19.17	20.50
		1	50	19.29	19.19	19.29	20.50
		1	99	18.94	19.00	19.05	20.50
		50	0	19.04	19.14	19.18	20.50
		50	25	19.15	19.16	19.12	20.50
		50	50	19.08	18.97	18.99	20.50
		100	0	19.14	19.06	19.09	20.50
	64QAM	1	0	19.05	19.04	19.08	20.50
		1	50	19.15	19.14	19.08	20.50
		1	99	19.11	18.99	18.97	20.50
		50	0	19.12	19.08	19.05	20.50
		50	25	19.21	19.14	19.16	20.50
		50	50	19.07	19.11	19.05	20.50
		100	0	19.03	19.09	19.02	20.50

EN-DC B7 Receiver on&Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	11.98	11.91	11.87	13.50
		1	13	12.25	12.15	12.09	13.50
		1	24	12.05	11.88	11.89	13.50
		12	0	12.14	12.00	11.97	13.50
		12	6	12.05	12.21	12.14	13.50
		12	13	12.01	12.08	12.09	13.50
		25	0	12.02	12.02	12.07	13.50
	16QAM	1	0	12.10	12.01	12.12	13.50
		1	13	12.10	11.97	12.16	13.50
		1	24	11.80	11.85	11.96	13.50
		12	0	11.81	12.02	12.16	13.50
		12	6	11.84	11.97	12.00	13.50
		12	13	11.89	11.84	11.91	13.50
		25	0	12.08	11.89	11.91	13.50
	64QAM	1	0	12.06	12.00	12.00	13.50
		1	13	12.01	11.92	12.04	13.50
		1	24	11.97	11.88	11.82	13.50
		12	0	12.17	12.04	11.90	13.50
		12	6	12.13	12.03	12.14	13.50
		12	13	11.97	12.00	11.94	13.50
		25	0	11.95	11.96	11.98	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 20800	Channel 21100	Channel 21400	Tune up
10MHz	QPSK	1	0	12.01	12.01	12.09	13.50
		1	25	12.05	12.23	12.24	13.50
		1	49	12.08	11.98	11.95	13.50
		25	0	12.12	12.07	12.13	13.50
		25	13	12.13	12.09	12.00	13.50
		25	25	11.96	12.01	12.10	13.50
		50	0	12.12	12.06	12.08	13.50
	16QAM	1	0	12.18	11.93	12.12	13.50
		1	25	12.09	12.07	12.08	13.50
		1	49	11.83	11.85	11.83	13.50
		25	0	11.85	12.00	12.19	13.50
		25	13	11.94	11.93	11.95	13.50
		25	25	11.96	11.82	11.83	13.50
		50	0	12.09	12.03	11.93	13.50
	64QAM	1	0	11.90	12.04	11.89	13.50
		1	25	11.99	12.07	12.01	13.50
		1	49	11.90	11.82	12.00	13.50
		25	0	12.21	12.13	12.01	13.50
		25	13	12.18	12.01	12.17	13.50
		25	25	12.15	12.01	12.11	13.50
		50	0	11.93	12.03	12.01	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 20825	Channel 21100	Channel 21375	Tune up
15MHz	QPSK	1	0	12.00	11.89	12.04	13.50
		1	38	12.18	12.10	12.14	13.50
		1	74	12.09	12.04	11.99	13.50
		36	0	12.17	11.94	12.15	13.50

		36	18	12.08	12.12	12.10	13.50
		36	39	12.14	12.06	11.97	13.50
		75	0	12.16	12.14	12.06	13.50
	16QAM	1	0	12.12	12.02	12.08	13.50
		1	38	12.11	12.11	12.20	13.50
		1	74	11.88	11.79	11.92	13.50
		36	0	11.89	12.04	12.06	13.50
		36	18	12.04	11.98	11.95	13.50
		36	39	11.83	11.88	11.89	13.50
		75	0	12.00	11.97	12.02	13.50
	64QAM	1	0	11.86	12.02	11.89	13.50
		1	38	12.04	12.18	12.03	13.50
		1	74	11.85	11.82	11.81	13.50
		36	0	12.19	12.09	12.04	13.50
		36	18	12.24	12.06	12.03	13.50
		36	39	12.08	11.97	11.95	13.50
		75	0	12.05	12.13	12.10	13.50
Bandwidth	Modulation	RB size	RB offset	Channel 20850	Channel 21100	Channel 21350	Tune up
20MHz	QPSK	1	0	12.12	12.01	12.00	13.50
		1	50	12.18	12.61	12.15	13.50
		1	99	12.02	11.99	11.99	13.50
		50	0	12.20	12.21	12.10	13.50
		50	25	12.10	12.15	12.12	13.50
		50	50	12.01	12.04	12.10	13.50
		100	0	12.04	12.04	12.17	13.50
	16QAM	1	0	12.12	11.97	12.07	13.50
		1	50	12.19	12.15	12.19	13.50
		1	99	11.86	11.89	11.99	13.50
		50	0	11.87	11.97	12.09	13.50
		50	25	12.01	12.04	12.00	13.50
		50	50	11.98	11.88	11.86	13.50
		100	0	12.06	12.00	11.94	13.50
	64QAM	1	0	11.96	11.94	12.03	13.50
		1	50	11.99	12.03	11.95	13.50
		1	99	12.01	11.94	11.87	13.50
		50	0	12.17	12.13	12.07	13.50
		50	25	12.19	12.10	12.18	13.50
		50	50	12.13	12.08	12.07	13.50
		100	0	12.08	12.08	12.03	13.50

12 Conducted Power of NR Antenna

ANT1:

N5 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.28	24.33	24.39	25.50
		1	53	24.63	24.39	24.51	25.50
		1	104	24.42	24.33	24.46	25.50
		50	0	23.49	23.51	23.30	24.50
		50	28	24.58	24.44	24.33	25.50
		50	56	23.65	23.51	23.36	24.50
		100	0	23.61	23.38	23.39	24.50
	DFT-s-OFDM QPSK	1	1	24.44	24.61	24.40	25.50
		1	53	24.59	24.61	24.41	25.50
		1	104	24.45	24.54	24.52	25.50
		50	0	23.58	23.57	23.38	24.50
		50	28	24.58	24.60	24.43	25.50
		50	56	23.60	23.50	23.31	24.50
		100	0	23.51	23.55	23.43	24.50
	DFT-s-OFDM 16QAM	1	1	23.10	23.21	23.10	24.00
	DFT-s-OFDM 64QAM	1	1	21.63	21.72	21.59	22.50
	DFT-s-OFDM 256QAM	1	1	20.09	20.25	20.13	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	CP-OFDM QPSK	1	1	344000	349500	355000	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349500	355500	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349500	356000	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349500	356500	25.50



N5 Hotspot on&Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel 166800	Channel 167300	Channel 167800	Tune up
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.36	23.35	23.43	24.50
		1	53	23.71	23.44	23.57	24.50
		1	104	23.50	23.37	23.52	24.50
		50	0	23.49	23.51	23.30	24.50
		50	28	23.65	23.48	23.36	24.50
		50	56	23.65	23.51	23.36	24.50
		100	0	23.61	23.38	23.39	24.50
	DFT-s-OFDM QPSK	1	1	23.49	23.70	23.42	24.50
		1	53	23.61	23.65	23.46	24.50
		1	104	23.53	23.61	23.56	24.50
		50	0	23.58	23.57	23.38	24.50
		50	28	23.60	23.67	23.49	24.50
		50	56	23.60	23.50	23.31	24.50
	100	0	23.51	23.55	23.43	24.50	
	DFT-s-OFDM 16QAM	1	1	23.10	23.21	23.10	24.00
	DFT-s-OFDM 64QAM	1	1	21.63	21.72	21.59	22.50
	DFT-s-OFDM 256QAM	1	1	20.09	20.25	20.13	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 344000	Channel 349500	Channel 355000	Tune up
20MHz	CP-OFDM QPSK	1	1	22.82	22.82	22.83	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 343500	Channel 349500	Channel 355500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.34	23.44	23.40	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 343000	Channel 349500	Channel 356000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.39	23.42	23.37	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 342500	Channel 349500	Channel 356500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	23.31	23.53	23.38	24.50

ANT2:

N7 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.51	22.68	22.67	23.90
		1	135	22.81	22.88	22.74	23.90
		1	268	22.60	22.49	22.55	23.90
		135	0	21.86	21.75	21.85	22.90
		135	67	22.82	22.95	22.85	23.90
		135	135	21.65	21.55	21.49	22.90
		270	0	21.78	21.89	21.90	22.90
	DFT-s-OFDM QPSK	1	1	22.58	22.63	22.65	23.90
		1	135	22.87	22.83	22.75	23.90
		1	268	22.56	22.52	22.60	23.90
		135	0	21.78	21.82	21.89	22.90
		135	67	22.90	22.91	22.81	23.90
		135	135	21.80	21.70	21.52	22.90
		270	0	21.76	21.82	21.89	22.90
	DFT-s-OFDM 16QAM	1	1	21.29	21.35	21.38	22.90
	DFT-s-OFDM 64QAM	1	1	19.85	19.91	19.92	21.40
	DFT-s-OFDM 256QAM	1	1	18.77	18.72	18.68	19.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	22.56	22.64	22.74	23.90



N7 Sensor on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.44	17.49	17.44	18.90
		1	135	17.60	17.61	17.63	18.90
		1	268	17.61	17.58	17.71	18.90
		135	0	17.53	17.49	17.49	18.90
		135	67	17.47	17.58	17.45	18.90
		135	135	17.63	17.64	17.68	18.90
		270	0	17.75	17.94	17.86	18.90
	DFT-s-OFDM QPSK	1	1	17.58	17.54	17.65	18.90
		1	135	17.70	17.45	17.49	18.90
		1	268	17.44	17.57	17.44	18.90
		135	0	17.70	17.82	17.84	18.90
		135	67	17.63	17.85	17.52	18.90
		135	135	17.49	17.54	17.60	18.90
		270	0	17.62	17.65	17.69	18.90
	DFT-s-OFDM 16QAM	1	1	17.80	17.77	17.74	18.90
	DFT-s-OFDM 64QAM	1	1	18.35	18.41	18.42	18.90
	DFT-s-OFDM 256QAM	1	1	18.27	18.22	18.18	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	
16.13				16.21		16.17	16.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	
18.58				18.74		18.70	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	
18.63				18.65		18.69	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	
18.70				18.69		18.64	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	
18.69				18.65		18.78	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	
18.62				18.61		18.72	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	
18.76				18.64		18.60	18.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	
18.64				18.70		18.84	18.90



N38 Full power				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.47	22.41	22.51	24.40
		1	108	22.75	22.77	22.76	24.40
		1	214	22.49	22.52	22.41	24.40
		108	0	21.52	21.56	21.55	23.40
		108	54	22.60	22.73	22.69	24.40
		108	108	21.71	21.79	21.62	23.40
		216	0	21.68	21.64	21.47	23.40
	DFT-s-OFDM QPSK	1	1	22.41	22.43	22.41	24.40
		1	108	22.75	22.82	22.77	24.40
		1	214	22.43	22.51	22.46	24.40
		108	0	21.72	21.64	21.53	23.40
		108	54	22.84	22.77	22.70	24.40
		108	108	21.71	21.66	21.76	23.40
		216	0	21.66	21.73	21.81	23.40
	DFT-s-OFDM 16QAM	1	1	21.06	21.13	21.16	22.40
	DFT-s-OFDM 64QAM	1	1	19.46	19.65	19.63	21.40
	DFT-s-OFDM 256QAM	1	1	18.47	18.42	18.52	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	518000	519000	520000	22.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	517000	519000	521000	24.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	516000	519000	522000	24.40



N38 Hotspot on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.45	18.56	18.44	20.40
		1	108	18.41	18.45	18.46	20.40
		1	214	18.44	18.55	18.62	20.40
		108	0	18.44	18.46	18.48	20.40
		108	54	18.61	18.50	18.42	20.40
		108	108	18.56	18.72	18.75	20.40
		216	0	19.04	19.08	19.05	20.40
	DFT-s-OFDM QPSK	1	1	19.00	18.98	19.01	20.40
		1	108	18.61	19.02	18.67	20.40
		1	214	18.56	18.62	18.58	20.40
		108	0	18.68	18.68	18.66	20.40
		108	54	18.81	18.75	18.73	20.40
		108	108	18.80	18.72	18.64	20.40
		216	0	18.84	18.80	18.87	20.40
	DFT-s-OFDM 16QAM	1	1	19.27	19.18	19.22	20.40
	DFT-s-OFDM 64QAM	1	1	18.46	18.65	18.63	20.40
	DFT-s-OFDM 256QAM	1	1	18.47	18.42	18.52	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	518000	519000	520000	17.90
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	517000	519000	521000	20.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	516000	519000	522000	20.40



N41 Full power				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.35	22.26	22.07	22.09	22.11	23.90
		1	137	22.43	22.44	22.44	22.32	21.91	23.90
		1	271	21.92	21.94	21.97	21.98	22.26	23.90
		135	0	21.39	21.46	21.48	21.42	21.49	22.90
		135	69	22.24	22.29	22.45	22.27	22.35	23.90
		135	138	21.52	21.62	21.61	21.47	21.71	22.90
		270	0	21.54	21.42	21.52	21.48	21.56	22.90
	DFT-s-OFDM QPSK	1	1	22.43	22.21	22.10	22.15	22.13	23.90
		1	137	22.40	22.47	22.51	22.32	21.94	23.90
		1	271	21.90	21.91	21.95	21.98	22.23	23.90
		135	0	21.48	21.48	21.46	21.36	21.48	22.90
		135	69	22.27	22.38	22.54	22.28	22.38	23.90
		135	138	21.53	21.56	21.59	21.55	21.63	22.90
		270	0	21.52	21.49	21.54	21.49	21.62	22.90
	DFT-s-OFDM 16QAM	1	1	20.36	20.26	20.38	20.02	19.98	21.90
	DFT-s-OFDM 64QAM	1	1	20.12	20.39	20.35	20.12	19.96	21.90
	DFT-s-OFDM 256QAM	1	1	19.59	19.81	19.82	19.40	19.45	21.40
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	509202	513900	518598	523302	528000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	508200	513402	518598	523800	528996	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	507204	512904	518598	524298	529998	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	505200	511902	518598	525300	531996	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	504204	511404	518598	525798	532998	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	503202	510900	518598	526302	534000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	502200	510402	518598	526800	534996	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	501204	509904	518598	527298	535998	



N41 Sensor on&Hotspot on				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.56	19.52	19.28	19.33	19.40	20.90
		1	137	19.65	19.69	19.66	19.58	19.12	20.90
		1	271	19.15	19.16	19.17	19.24	19.48	20.90
		135	0	19.41	19.49	19.56	19.45	19.55	20.90
		135	69	19.41	19.50	19.68	19.47	19.58	20.90
		135	138	19.58	19.71	19.63	19.49	19.73	20.90
		270	0	19.60	19.45	19.61	19.52	19.60	20.90
	DFT-s-OFDM QPSK	1	1	19.65	19.48	19.29	19.39	19.41	20.90
		1	137	19.67	20.15	19.71	19.60	19.12	20.90
		1	271	19.15	19.15	19.22	19.24	19.47	20.90
		135	0	19.57	19.54	19.51	19.42	19.56	20.90
		135	69	19.46	19.63	20.23	19.50	19.65	20.90
		135	138	19.56	19.62	19.69	19.63	19.72	20.90
		270	0	19.57	19.52	19.59	19.55	19.69	20.90
	DFT-s-OFDM 16QAM	1	1	19.36	19.26	19.38	19.02	18.98	20.90
	DFT-s-OFDM 64QAM	1	1	19.12	19.39	19.35	19.12	18.96	20.90
DFT-s-OFDM 256QAM	1	1	19.09	19.31	19.32	18.90	18.95	20.90	
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	CP-OFDM QPSK	1	1	19.01	19.09	19.05	19.05	19.04	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 513402	Channel 518598	Channel 523800	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	19.67	19.30	19.27	19.08	19.00	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 512904	Channel 518598	Channel 524298	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	19.71	19.24	19.27	19.06	19.02	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 511902	Channel 518598	Channel 525300	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	19.52	19.17	19.09	19.05	19.05	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 511404	Channel 518598	Channel 525798	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	19.65	19.38	19.23	19.12	19.01	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	19.57	19.38	19.20	19.05	19.22	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	19.57	19.30	19.29	19.15	19.21	20.90
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	19.45	19.41	19.14	19.07	19.22	20.90



N66 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.11	23.20	23.26	25.00
		1	108	23.62	23.66	23.67	25.00
		1	214	23.27	23.33	23.39	25.00
		108	0	22.94	23.11	23.12	24.50
		108	54	23.71	23.72	23.65	25.00
		108	108	23.03	23.08	23.08	24.50
		216	0	23.04	23.08	23.02	24.50
	DFT-s-OFDM QPSK	1	1	23.12	23.05	23.25	25.00
		1	108	24.06	23.53	23.52	25.50
		1	214	23.29	23.13	23.33	25.00
		108	0	22.93	22.83	23.08	24.50
		108	54	23.68	23.65	23.62	25.00
		108	108	23.08	22.95	23.16	24.50
		216	0	23.00	22.82	23.03	24.50
	DFT-s-OFDM 16QAM		1	1	22.32	22.36	22.29
DFT-s-OFDM 64QAM		1	1	20.92	20.96	21.02	22.50
DFT-s-OFDM 256QAM		1	1	19.53	19.65	19.54	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	22.13	22.20	22.21	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	23.15	23.21	23.28	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	23.12	23.23	23.38	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	23.12	23.25	23.32	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	23.18	23.18	23.30	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	23.20	23.26	23.36	25.00



N66 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.58	19.56	19.57	21.50
		1	108	20.03	20.00	20.01	21.50
		1	214	19.56	19.54	19.59	21.50
		108	0	20.12	20.02	20.00	20.50
		108	54	19.97	20.04	20.18	21.50
		108	108	19.81	19.84	19.71	20.50
		216	0	19.91	19.88	20.06	20.50
	DFT-s-OFDM QPSK	1	1	19.59	19.61	19.61	21.50
		1	108	20.10	20.09	20.07	21.50
		1	214	19.64	19.56	19.60	21.50
		108	0	20.15	20.05	20.02	20.50
		108	54	20.17	20.10	20.16	21.50
		108	108	19.78	19.84	19.84	20.50
		216	0	19.95	19.93	20.01	20.50
	DFT-s-OFDM 16QAM	1	1	21.24	21.32	21.27	21.50
	DFT-s-OFDM 64QAM	1	1	20.45	20.49	20.48	20.50
	DFT-s-OFDM 256QAM	1	1	19.48	19.41	19.33	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	345000	349000	353000	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	344000	349000	354000	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349000	354500	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349000	355000	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349000	355500	21.50



N66 Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.50	16.58	16.52	18.50
		1	108	16.97	16.91	16.91	18.50
		1	214	16.50	16.54	16.51	18.50
		108	0	17.06	16.96	16.95	18.50
		108	54	16.92	16.99	17.10	18.50
		108	108	16.74	16.78	16.61	18.50
		216	0	16.84	16.79	16.96	18.50
	DFT-s-OFDM QPSK	1	1	16.52	16.56	16.55	18.50
		1	108	17.10	17.00	17.02	18.50
		1	214	16.59	16.58	16.51	18.50
		108	0	17.10	16.96	16.96	18.50
		108	54	17.12	17.01	17.10	18.50
		108	108	16.69	16.75	16.77	18.50
	216	0	16.88	16.83	16.96	18.50	
	DFT-s-OFDM 16QAM	1	1	17.00	16.58	16.85	18.50
	DFT-s-OFDM 64QAM	1	1	16.86	16.51	16.65	18.50
	DFT-s-OFDM 256QAM	1	1	17.04	16.56	16.55	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	345000	349000	353000	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	344000	349000	354000	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349000	354500	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349000	355000	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349000	355500	18.50



ANT3:

N5 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.71	17.69	17.59	19.00
		1	53	17.63	17.61	17.73	19.00
		1	104	17.41	17.49	17.64	19.00
		50	0	17.62	17.63	17.67	19.00
		50	28	17.50	17.61	17.65	19.00
		50	56	17.65	17.73	17.77	19.00
		100	0	17.48	17.56	17.53	19.00
	DFT-s-OFDM QPSK	1	1	17.64	17.80	17.63	19.00
		1	53	17.66	17.66	17.46	19.00
		1	104	17.51	17.65	17.45	19.00
		50	0	17.47	17.61	17.56	19.00
		50	28	17.66	17.71	17.55	19.00
		50	56	17.55	17.67	17.50	19.00
		100	0	17.64	17.68	17.56	19.00
	DFT-s-OFDM 16QAM	1	1	17.32	17.18	17.10	19.00
	DFT-s-OFDM 64QAM	1	1	17.14	17.25	17.29	19.00
	DFT-s-OFDM 256QAM	1	1	17.75	17.79	17.74	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	CP-OFDM QPSK	1	1	344000	349500	355000	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349500	355500	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349500	356000	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349500	356500	19.00
5MHz	DFT-s-OFDM QPSK	1	1	17.42	17.53	17.47	19.00



N5 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.74	22.76	22.72	24.00
		1	53	22.82	22.82	22.79	24.00
		1	104	22.71	22.64	22.71	24.00
		50	0	22.66	22.39	22.52	24.00
		50	28	22.76	22.85	22.86	24.00
		50	56	22.44	22.26	22.48	24.00
		100	0	22.53	22.40	22.48	24.00
	DFT-s-OFDM QPSK	1	1	22.70	23.00	22.75	24.00
		1	53	22.92	22.91	22.95	24.00
		1	104	22.76	22.73	22.72	24.00
		50	0	22.61	22.49	22.41	24.00
		50	28	22.72	22.78	22.77	24.00
		50	56	22.43	22.46	22.45	24.00
	100	0	22.49	22.50	22.39	24.00	
	DFT-s-OFDM 16QAM	1	1	22.06	22.23	22.13	23.50
	DFT-s-OFDM 64QAM	1	1	20.50	20.78	20.46	22.00
	DFT-s-OFDM 256QAM	1	1	19.07	19.28	19.13	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	CP-OFDM QPSK	1	1	344000	349500	355000	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349500	355500	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349500	356000	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349500	356500	24.00

ANT4:

N7 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.61	23.64	23.50	25.10
		1	135	23.80	23.90	23.76	25.10
		1	268	23.61	23.60	23.60	25.10
		135	0	22.84	22.94	22.89	24.10
		135	67	23.96	23.90	23.98	25.10
		135	135	22.59	22.61	22.77	24.10
		270	0	22.77	22.69	22.77	24.10
	DFT-s-OFDM QPSK	1	1	23.69	23.67	23.58	25.10
		1	135	23.90	23.89	23.84	25.10
		1	268	23.52	23.62	23.56	25.10
		135	0	22.87	22.85	22.90	24.10
		135	67	23.99	23.97	23.94	25.10
		135	135	22.35	22.75	22.61	24.10
		270	0	22.93	22.83	22.85	24.10
	DFT-s-OFDM 16QAM	1	1	22.46	22.46	22.50	24.10
	DFT-s-OFDM 64QAM	1	1	20.93	20.96	21.00	22.60
	DFT-s-OFDM 256QAM	1	1	19.66	19.76	19.75	20.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	23.68	23.59	23.51	25.10



N7 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.52	15.44	15.42	17.10
		1	135	15.32	15.42	15.50	17.10
		1	268	15.51	15.58	15.41	17.10
		135	0	15.46	15.60	15.58	17.10
		135	67	15.70	15.70	15.68	17.10
		135	135	15.72	15.58	15.63	17.10
		270	0	15.54	15.57	15.54	17.10
	DFT-s-OFDM QPSK	1	1	15.54	15.59	15.63	17.10
		1	135	15.70	15.53	15.53	17.10
		1	268	15.43	15.51	15.55	17.10
		135	0	15.60	15.64	15.59	17.10
		135	67	15.84	15.47	15.58	17.10
		135	135	15.73	15.77	15.83	17.10
		270	0	15.78	15.68	15.63	17.10
	DFT-s-OFDM 16QAM	1	1	15.45	15.39	15.41	17.10
	DFT-s-OFDM 64QAM	1	1	15.46	15.46	15.44	17.10
	DFT-s-OFDM 256QAM	1	1	16.02	16.03	16.10	17.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	15.56	15.53	15.76	17.10



N7 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.62	19.69	19.59	21.10
		1	135	19.67	19.67	19.65	21.10
		1	268	19.59	19.78	19.80	21.10
		135	0	19.71	19.60	19.56	21.10
		135	67	19.81	19.81	19.91	21.10
		135	135	19.82	19.70	19.81	21.10
		270	0	19.57	19.64	19.74	21.10
	DFT-s-OFDM QPSK	1	1	19.69	19.65	19.70	21.10
		1	135	19.71	19.64	19.61	21.10
		1	268	19.55	19.63	19.59	21.10
		135	0	19.65	19.70	19.78	21.10
		135	67	19.61	19.66	19.62	21.10
		135	135	19.83	19.90	19.89	21.10
		270	0	19.81	19.85	19.87	21.10
	DFT-s-OFDM 16QAM	1	1	19.44	19.39	19.46	21.10
	DFT-s-OFDM 64QAM	1	1	19.52	19.44	19.51	21.10
	DFT-s-OFDM 256QAM	1	1	19.47	19.53	19.52	20.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	18.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	21.10



N38 Full power				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.70	23.67	23.74	25.60
		1	108	23.78	24.04	23.71	25.60
		1	214	23.81	23.67	23.69	25.60
		108	0	22.89	22.75	22.82	24.60
		108	54	24.23	23.79	24.07	25.60
		108	108	23.10	22.91	22.71	24.60
		216	0	22.70	22.81	22.77	24.60
	DFT-s-OFDM QPSK	1	1	23.75	23.68	23.81	25.60
		1	108	23.92	24.00	23.85	25.60
		1	214	23.97	23.87	23.79	25.60
		108	0	22.80	22.78	22.86	24.60
		108	54	24.02	23.98	24.06	25.60
		108	108	22.88	22.83	22.73	24.60
		216	0	22.85	22.86	22.90	24.60
	DFT-s-OFDM 16QAM	1	1	22.32	22.20	22.10	23.60
	DFT-s-OFDM 64QAM	1	1	20.83	20.68	20.88	22.60
	DFT-s-OFDM 256QAM	1	1	19.98	19.91	20.07	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	518000	519000	520000	24.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	517000	519000	521000	25.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	516000	519000	522000	25.60



N38 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.68	14.73	14.88	16.60
		1	108	14.85	14.72	14.88	16.60
		1	214	14.72	14.71	14.87	16.60
		108	0	14.78	14.84	14.67	16.60
		108	54	15.20	15.32	15.22	16.60
		108	108	14.96	15.13	15.10	16.60
		216	0	14.83	14.79	14.74	16.60
	DFT-s-OFDM QPSK	1	1	14.80	14.81	14.75	16.60
		1	108	14.79	14.95	14.79	16.60
		1	214	14.90	14.83	14.83	16.60
		108	0	14.83	14.80	14.83	16.60
		108	54	15.27	14.85	15.30	16.60
		108	108	15.27	15.27	15.28	16.60
		216	0	15.07	15.14	15.18	16.60
	DFT-s-OFDM 16QAM	1	1	14.71	14.65	14.67	16.60
	DFT-s-OFDM 64QAM	1	1	14.64	14.65	14.61	16.60
	DFT-s-OFDM 256QAM	1	1	15.01	15.02	14.96	16.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	12.75	12.72	12.73	14.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	14.75	14.72	14.73	16.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	14.75	14.67	14.69	16.60



N38 Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.75	19.78	19.74	21.60
		1	108	19.68	19.77	19.79	21.60
		1	214	19.79	19.74	19.79	21.60
		108	0	19.93	19.82	19.88	21.60
		108	54	20.34	20.25	20.22	21.60
		108	108	20.05	20.05	20.10	21.60
		216	0	19.75	20.07	19.71	21.60
	DFT-s-OFDM QPSK	1	1	19.73	19.68	20.05	21.60
		1	108	19.75	19.80	19.77	21.60
		1	214	19.73	19.79	19.75	21.60
		108	0	19.87	19.77	19.82	21.60
		108	54	19.94	19.87	20.33	21.60
		108	108	20.32	20.27	20.23	21.60
		216	0	20.13	20.15	20.11	21.60
	DFT-s-OFDM 16QAM	1	1	20.91	20.94	20.93	21.60
	DFT-s-OFDM 64QAM	1	1	20.45	20.51	20.52	21.10
	DFT-s-OFDM 256QAM	1	1	19.20	19.22	19.17	20.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	17.89	17.83	17.81	19.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	19.69	19.62	19.68	21.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	19.69	19.61	19.63	21.60



N41 Full power				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.61	23.27	23.36	23.23	23.15	25.10
		1	137	24.03	23.76	24.47	23.91	23.87	25.10
		1	271	23.34	23.27	23.45	23.21	23.32	25.10
		135	0	23.28	23.19	23.03	22.99	22.91	24.10
		135	69	24.55	24.53	24.40	24.36	24.65	25.10
		135	138	23.28	23.17	23.20	23.12	23.01	24.10
		270	0	23.25	23.16	23.16	23.01	22.94	24.10
	DFT-s-OFDM QPSK	1	1	23.49	23.33	23.45	23.13	23.25	25.10
		1	137	23.98	23.89	24.40	23.85	23.98	25.10
		1	271	23.14	23.19	23.55	23.10	23.21	25.10
		135	0	23.31	23.26	23.17	23.02	23.05	24.10
		135	69	24.63	24.51	24.64	24.38	24.48	25.10
		135	138	23.24	23.19	23.28	23.05	23.00	24.10
		270	0	23.27	23.31	23.21	23.01	23.03	24.10
	DFT-s-OFDM 16QAM	1	1	22.12	22.24	22.15	22.21	22.27	23.10
	DFT-s-OFDM 64QAM	1	1	20.75	20.55	20.67	20.79	20.69	22.10
	DFT-s-OFDM 256QAM	1	1	19.60	19.74	19.55	19.69	19.78	21.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	509202	513900	518598	523302	528000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	508200	513402	518598	523800	528996	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	507204	512904	518598	524298	529998	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	505200	511902	518598	525300	531996	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	504204	511404	518598	525798	532998	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	503202	510900	518598	526302	534000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	502200	510402	518598	526800	534996	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	501204	509904	518598	527298	535998	



N41 Receiver on&Hotspot on				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.40	16.41	16.70	16.32	16.36	18.10
		1	137	16.43	16.43	16.79	16.32	16.37	18.10
		1	271	16.20	16.37	16.42	16.12	16.28	18.10
		135	0	16.45	16.46	16.86	16.38	16.41	18.10
		135	69	17.10	17.07	17.41	16.99	17.00	18.10
		135	138	16.94	16.94	17.18	16.83	16.87	18.10
		270	0	16.34	16.23	16.59	16.27	16.12	18.10
	DFT-s-OFDM QPSK	1	1	16.30	16.30	16.57	16.21	16.21	18.10
		1	137	16.46	16.48	16.78	16.36	16.40	18.10
		1	271	16.42	16.47	16.76	16.31	16.39	18.10
		135	0	16.20	16.27	16.52	16.14	16.16	18.10
		135	69	16.43	16.43	17.38	16.34	16.37	18.10
		135	138	17.06	17.09	17.38	16.95	17.04	18.10
		270	0	17.04	16.93	17.22	16.95	16.86	18.10
	DFT-s-OFDM 16QAM	1	1	16.39	16.40	16.65	16.29	16.30	18.10
	DFT-s-OFDM 64QAM	1	1	16.38	16.43	16.67	16.29	16.35	18.10
	DFT-s-OFDM 256QAM	1	1	17.01	16.99	16.96	16.95	16.93	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	509202	513900	518598	523302	528000	
100MHz	CP-OFDM QPSK	1	1	14.27	14.28	14.45	14.16	14.17	15.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	16.36	16.25	16.44	16.26	16.15	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	16.21	16.27	16.47	16.12	16.20	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	16.20	16.24	16.47	16.12	16.18	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	16.20	16.26	16.53	16.15	16.19	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	16.31	16.20	16.47	16.20	16.15	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	16.28	16.43	16.45	16.18	16.32	18.10
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	16.28	16.23	16.54	16.23	16.14	18.10



N41 Sensor on				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.64	19.57	19.42	19.59	19.49	21.10
		1	137	19.44	19.57	19.32	19.37	19.50	21.10
		1	271	19.61	19.46	19.21	19.55	19.35	21.10
		135	0	19.70	19.72	19.34	19.64	19.67	21.10
		135	69	19.97	19.91	20.22	19.92	19.82	21.10
		135	138	19.79	19.70	20.01	19.72	19.62	21.10
		270	0	19.27	19.38	19.65	19.20	19.32	21.10
	DFT-s-OFDM QPSK	1	1	19.37	19.38	19.72	19.26	19.28	21.10
		1	137	19.42	19.44	19.58	19.31	19.37	21.10
		1	271	19.62	19.71	19.42	19.57	19.63	21.10
		135	0	19.51	19.49	19.26	19.43	19.44	21.10
		135	69	19.63	19.15	19.46	19.53	19.38	21.10
		135	138	20.00	19.97	20.28	19.93	19.91	21.10
		270	0	19.80	19.81	20.03	19.70	19.73	21.10
	DFT-s-OFDM 16QAM	1	1	19.27	19.29	19.52	19.19	19.20	21.10
	DFT-s-OFDM 64QAM	1	1	19.40	19.37	19.66	19.33	19.30	21.10
DFT-s-OFDM 256QAM	1	1	19.76	19.87	20.21	19.70	19.82	20.60	
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	CP-OFDM QPSK	1	1	18.37	18.23	18.42	18.26	18.15	19.60
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 513402	Channel 518598	Channel 523800	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	19.53	19.32	19.64	19.48	19.24	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 512904	Channel 518598	Channel 524298	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	19.44	19.39	19.58	19.33	19.32	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 511902	Channel 518598	Channel 525300	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	19.40	19.33	19.62	19.34	19.25	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 511404	Channel 518598	Channel 525798	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	19.45	19.31	19.53	19.36	19.22	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	19.52	19.38	19.54	19.47	19.33	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	19.44	19.38	19.62	19.39	19.28	21.10
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	19.42	19.26	19.54	19.31	19.19	21.10



N66 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.37	22.42	22.44	23.80
		1	108	23.13	23.04	23.00	23.80
		1	214	22.60	22.63	22.65	23.80
		108	0	21.66	22.01	21.77	22.80
		108	54	23.08	22.81	22.76	23.80
		108	108	21.83	21.87	21.96	22.80
		216	0	21.96	21.94	21.71	22.80
	DFT-s-OFDM QPSK	1	1	22.45	22.33	22.45	23.80
		1	108	23.04	22.86	22.96	23.80
		1	214	22.55	22.37	22.57	23.80
		108	0	21.86	21.94	21.73	22.80
		108	54	23.05	22.85	22.95	23.80
		108	108	21.82	21.82	21.89	22.80
		216	0	21.82	21.92	21.87	22.80
	DFT-s-OFDM 16QAM		1	1	21.19	21.11	21.22
DFT-s-OFDM 64QAM		1	1	19.75	19.85	19.91	20.80
DFT-s-OFDM 256QAM		1	1	18.41	18.36	18.48	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	20.88	20.87	20.85	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	22.20	22.18	22.35	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.21	22.22	22.48	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	22.16	22.21	22.44	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	22.20	22.12	22.50	24.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	22.24	22.16	22.39	24.80



N66 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.37	14.32	14.21	15.80
		1	108	14.80	14.69	14.70	15.80
		1	214	14.42	14.29	14.22	15.80
		108	0	14.80	14.84	14.83	15.80
		108	54	14.74	14.73	14.75	15.80
		108	108	14.79	14.65	14.78	15.80
		216	0	14.68	14.70	14.79	15.80
	DFT-s-OFDM QPSK	1	1	14.31	14.27	14.25	15.80
		1	108	14.75	14.74	14.72	15.80
		1	214	14.39	14.31	14.26	15.80
		108	0	14.73	14.79	14.74	15.80
		108	54	14.79	14.71	14.77	15.80
		108	108	14.73	14.78	14.76	15.80
		216	0	14.76	14.72	14.75	15.80
	DFT-s-OFDM 16QAM	1	1	13.99	14.03	14.09	15.80
	DFT-s-OFDM 64QAM	1	1	14.04	14.05	14.08	15.80
	DFT-s-OFDM 256QAM	1	1	14.53	14.61	14.66	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	345000	349000	353000	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	344000	349000	354000	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349000	354500	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349000	355000	15.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349000	355500	15.80



N66 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.27	21.22	21.16	22.80
		1	108	21.59	21.78	21.67	22.80
		1	214	21.24	21.21	21.22	22.80
		108	0	21.78	21.80	21.73	21.80
		108	54	21.73	21.82	21.79	22.80
		108	108	21.74	21.76	21.56	21.80
		216	0	21.74	21.79	21.79	21.80
	DFT-s-OFDM QPSK	1	1	21.26	21.16	21.23	22.80
		1	108	21.72	21.72	21.72	22.80
		1	214	21.23	21.23	21.24	22.80
		108	0	21.84	21.77	21.68	21.80
		108	54	21.77	21.75	21.75	22.80
		108	108	21.73	21.77	21.68	21.80
	216	0	21.78	21.80	21.80	21.80	
	DFT-s-OFDM 16QAM	1	1	20.91	20.96	20.98	21.80
	DFT-s-OFDM 64QAM	1	1	19.56	19.60	19.67	19.80
	DFT-s-OFDM 256QAM	1	1	18.13	18.20	18.19	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	21.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	345000	349000	353000	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	344000	349000	354000	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349000	354500	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349000	355000	22.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349000	355500	22.80



ANT5:

N7 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.63	22.74	22.72	24.00
		1	135	22.79	22.87	22.89	24.00
		1	268	22.64	22.66	22.56	24.00
		135	0	23.01	22.86	23.00	24.00
		135	67	22.95	22.99	22.96	24.00
		135	135	23.00	22.89	22.79	24.00
		270	0	22.79	22.95	22.79	24.00
	DFT-s-OFDM QPSK	1	1	22.63	22.71	22.68	24.00
		1	135	22.89	22.92	22.88	24.00
		1	268	22.68	22.66	22.58	24.00
		135	0	22.96	22.93	22.96	24.00
		135	67	22.91	22.97	22.90	24.00
		135	135	22.65	22.74	22.75	24.00
	270	0	22.86	22.91	22.88	24.00	
	DFT-s-OFDM 16QAM	1	1	22.46	22.47	22.46	24.00
	DFT-s-OFDM 64QAM	1	1	20.99	20.99	20.98	22.50
	DFT-s-OFDM 256QAM	1	1	19.72	19.76	19.84	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM OPSK	1	1	500500	507000	513500	



N7 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.84	13.97	13.74	15.00
		1	135	14.06	13.95	13.90	15.00
		1	268	14.11	14.02	13.97	15.00
		135	0	14.02	13.98	13.93	15.00
		135	67	14.18	14.12	14.09	15.00
		135	135	14.01	14.09	14.01	15.00
		270	0	13.90	13.93	13.97	15.00
	DFT-s-OFDM QPSK	1	1	14.00	13.96	14.12	15.00
		1	135	13.93	14.13	13.86	15.00
		1	268	14.00	13.98	13.95	15.00
		135	0	14.01	14.07	14.13	15.00
		135	67	13.93	14.23	13.98	15.00
		135	135	14.22	14.20	14.14	15.00
		270	0	14.21	14.10	14.01	15.00
	DFT-s-OFDM 16QAM	1	1	13.74	13.67	13.61	15.00
	DFT-s-OFDM 64QAM	1	1	13.64	13.66	13.68	15.00
	DFT-s-OFDM 256QAM	1	1	14.24	14.18	14.20	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	15.00



N7 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.75	17.80	17.85	19.00
		1	135	17.75	17.71	17.92	19.00
		1	268	17.90	17.91	17.92	19.00
		135	0	17.88	17.78	17.77	19.00
		135	67	18.15	18.04	18.03	19.00
		135	135	17.98	17.97	18.12	19.00
		270	0	17.97	17.88	17.92	19.00
	DFT-s-OFDM QPSK	1	1	17.90	17.91	17.84	19.00
		1	135	17.85	17.90	17.86	19.00
		1	268	17.75	17.84	17.86	19.00
		135	0	17.97	17.99	17.90	19.00
		135	67	17.97	17.92	17.83	19.00
		135	135	18.10	18.09	18.14	19.00
		270	0	18.09	18.06	18.07	19.00
	DFT-s-OFDM 16QAM	1	1	17.60	17.59	17.57	19.00
	DFT-s-OFDM 64QAM	1	1	17.75	17.67	17.71	19.00
	DFT-s-OFDM 256QAM	1	1	18.24	18.21	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	19.00



N38 Full power				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.59	22.52	22.57	24.50
		1	108	22.86	22.78	22.76	24.50
		1	214	22.54	22.56	22.59	24.50
		108	0	22.69	22.73	22.71	24.50
		108	54	22.89	22.88	22.90	24.50
		108	108	22.70	22.79	22.74	24.50
		216	0	22.72	22.76	22.65	24.50
	DFT-s-OFDM QPSK	1	1	22.56	22.62	22.65	24.50
		1	108	22.87	22.82	22.78	24.50
		1	214	22.64	22.66	22.65	24.50
		108	0	22.64	22.72	22.65	24.50
		108	54	22.84	22.86	22.91	24.50
		108	108	22.83	22.79	22.72	24.50
		216	0	22.61	22.71	22.69	24.50
	DFT-s-OFDM 16QAM	1	1	21.90	21.96	22.13	23.50
	DFT-s-OFDM 64QAM	1	1	20.52	20.61	20.58	22.50
	DFT-s-OFDM 256QAM	1	1	19.63	19.53	19.65	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	518000	519000	520000	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	517000	519000	521000	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	516000	519000	522000	24.50



N38 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	11.85	11.85	11.84	13.50
		1	108	11.78	11.84	11.86	13.50
		1	214	11.74	11.73	11.76	13.50
		108	0	11.82	11.84	11.86	13.50
		108	54	12.22	12.18	12.26	13.50
		108	108	12.07	11.99	12.03	13.50
		216	0	11.88	11.87	11.93	13.50
	DFT-s-OFDM QPSK	1	1	11.92	11.89	11.80	13.50
		1	108	12.00	11.91	11.87	13.50
		1	214	11.90	11.90	11.81	13.50
		108	0	11.82	11.78	11.85	13.50
		108	54	11.83	11.89	12.30	13.50
		108	108	12.29	12.24	12.22	13.50
		216	0	11.99	12.03	12.00	13.50
	DFT-s-OFDM 16QAM	1	1	11.53	11.51	11.56	13.50
	DFT-s-OFDM 64QAM	1	1	11.54	11.56	11.50	13.50
	DFT-s-OFDM 256QAM	1	1	12.16	12.14	12.15	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	9.94	9.88	9.93	11.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	11.51	11.69	11.62	13.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	11.50	11.88	11.71	13.50



N38 Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.93	15.86	15.86	17.50
		1	108	15.96	15.77	15.90	17.50
		1	214	15.79	15.86	15.88	17.50
		108	0	15.94	15.93	15.87	17.50
		108	54	16.19	16.29	16.18	17.50
		108	108	16.07	16.25	15.99	17.50
		216	0	15.82	15.85	15.89	17.50
	DFT-s-OFDM QPSK	1	1	15.75	15.81	15.88	17.50
		1	108	16.00	15.90	15.94	17.50
		1	214	15.98	15.91	15.92	17.50
		108	0	15.86	15.87	15.90	17.50
		108	54	15.88	15.97	16.33	17.50
		108	108	16.31	16.30	16.25	17.50
		216	0	16.11	16.19	16.12	17.50
	DFT-s-OFDM 16QAM	1	1	15.56	15.78	15.55	17.50
	DFT-s-OFDM 64QAM	1	1	15.95	15.51	15.58	17.50
	DFT-s-OFDM 256QAM	1	1	16.08	16.11	16.12	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	518000	519000	520000	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	517000	519000	521000	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	516000	519000	522000	17.50



N41 Full power				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.80	22.55	22.60	22.90	22.84	24.50
		1	137	22.60	22.51	22.82	22.55	23.02	24.50
		1	271	22.55	22.53	22.74	22.58	22.88	24.50
		135	0	22.84	22.50	22.50	22.73	22.69	24.50
		135	69	23.04	22.68	22.84	22.76	22.92	24.50
		135	138	22.72	22.66	22.73	22.70	22.63	24.50
		270	0	23.68	22.67	23.65	23.70	23.52	24.50
	DFT-s-OFDM QPSK	1	1	22.81	22.57	22.68	22.89	22.90	24.50
		1	137	23.02	23.02	22.94	22.57	23.01	24.50
		1	271	22.67	22.52	22.74	22.62	22.90	24.50
		135	0	22.93	22.59	22.60	22.75	22.69	24.50
		135	69	23.13	22.78	23.13	22.80	22.91	24.50
		135	138	22.74	22.71	22.75	22.68	22.58	24.50
		270	0	23.75	22.70	23.67	23.65	23.52	24.50
	DFT-s-OFDM 16QAM	1	1	22.51	22.31	22.63	22.35	22.67	23.50
	DFT-s-OFDM 64QAM	1	1	21.20	21.02	21.07	21.11	21.24	22.50
	DFT-s-OFDM 256QAM	1	1	20.03	19.95	20.01	19.79	20.05	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	CP-OFDM QPSK	1	1	21.50	21.42	21.38	21.24	21.32	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 513402	Channel 518598	Channel 523800	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	22.81	22.57	22.59	22.82	22.89	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 512904	Channel 518598	Channel 524298	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	22.77	22.50	22.67	22.82	22.82	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 511902	Channel 518598	Channel 525300	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	22.84	22.55	22.68	22.84	22.92	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 511404	Channel 518598	Channel 525798	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	22.70	22.58	22.69	22.94	22.79	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.79	22.61	22.59	22.82	22.91	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	22.69	22.62	22.73	22.79	22.84	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.71	22.61	22.68	22.88	22.90	24.50



N41 Receiver on&Hotspot on				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.07	14.12	14.18	14.20	14.28	15.50
		1	137	14.17	13.94	14.23	14.05	14.10	15.50
		1	271	13.79	13.80	13.87	13.87	13.94	15.50
		135	0	14.17	13.97	14.26	14.08	14.03	15.50
		135	69	14.76	14.63	14.85	14.71	14.81	15.50
		135	138	14.49	14.54	14.60	14.63	14.55	15.50
		270	0	13.98	13.93	14.09	14.00	14.01	15.50
	DFT-s-OFDM QPSK	1	1	14.30	13.82	14.10	13.93	14.01	15.50
		1	137	14.30	14.08	14.25	14.19	14.21	15.50
		1	271	14.20	14.10	14.29	14.16	14.22	15.50
		135	0	13.95	13.82	14.03	13.92	13.90	15.50
		135	69	14.93	14.02	14.26	14.08	14.18	15.50
		135	138	14.83	14.71	14.92	14.79	14.82	15.50
		270	0	14.68	14.56	14.76	14.63	14.62	15.50
	DFT-s-OFDM 16QAM	1	1	13.79	13.65	13.86	13.74	13.77	15.50
	DFT-s-OFDM 64QAM	1	1	13.83	13.72	13.88	13.83	13.83	15.50
	DFT-s-OFDM 256QAM	1	1	14.39	14.19	14.45	14.28	14.35	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	CP-OFDM QPSK	1	1	12.28	12.16	12.34	12.27	12.35	14.00
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 513402	Channel 518598	Channel 523800	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	13.59	13.61	13.66	13.67	13.67	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 512904	Channel 518598	Channel 524298	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	13.77	13.96	13.85	14.04	14.05	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 511902	Channel 518598	Channel 525300	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	13.68	13.89	13.73	13.99	13.96	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 511404	Channel 518598	Channel 525798	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	13.60	13.79	13.68	13.84	13.65	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	13.76	13.51	13.85	13.58	13.66	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	13.69	13.60	13.77	13.69	13.69	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	13.64	13.63	13.74	13.73	13.65	15.50



N41 Sensor on				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.11	17.93	18.17	18.02	18.13	19.50
		1	137	18.31	18.01	18.36	18.11	18.23	19.50
		1	271	18.11	17.77	18.21	17.83	17.93	19.50
		135	0	18.19	17.98	18.27	18.08	18.19	19.50
		135	69	18.94	18.66	19.00	18.73	18.73	19.50
		135	138	18.67	18.54	18.75	18.63	18.61	19.50
		270	0	18.23	17.99	18.29	18.10	18.06	19.50
	DFT-s-OFDM QPSK	1	1	18.21	17.96	18.27	18.05	18.10	19.50
		1	137	18.40	18.10	18.31	18.15	18.22	19.50
		1	271	18.22	18.09	18.33	18.18	18.20	19.50
		135	0	18.10	17.92	18.16	17.97	17.92	19.50
		135	69	19.05	18.02	18.29	18.09	18.18	19.50
		135	138	18.95	18.76	19.04	18.84	18.87	19.50
		270	0	18.73	18.58	18.81	18.69	18.62	19.50
	DFT-s-OFDM 16QAM	1	1	17.81	17.69	17.89	17.77	17.84	19.50
	DFT-s-OFDM 64QAM	1	1	17.89	17.72	17.95	17.81	17.76	19.50
	DFT-s-OFDM 256QAM	1	1	18.42	18.26	18.47	18.36	18.26	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	CP-OFDM QPSK	1	1	16.18	16.09	16.29	16.15	16.19	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 513402	Channel 518598	Channel 523800	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	17.88	17.52	17.93	17.63	17.77	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 512904	Channel 518598	Channel 524298	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	17.72	17.67	17.83	17.74	17.70	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 511902	Channel 518598	Channel 525300	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	17.97	17.66	18.02	17.71	17.77	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 511404	Channel 518598	Channel 525798	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	17.77	17.68	17.88	17.76	17.80	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	17.85	17.53	17.96	17.60	17.76	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	17.78	17.61	17.84	17.69	17.65	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	17.75	17.73	17.82	17.80	17.60	19.50



N66 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.61	22.49	22.68	23.70
		1	108	23.17	23.09	23.12	23.70
		1	214	22.61	22.43	22.63	23.70
		108	0	21.61	22.10	21.69	22.70
		108	54	22.88	23.09	23.21	23.70
		108	108	21.95	22.09	21.97	22.70
		216	0	21.86	22.06	21.74	22.70
	DFT-s-OFDM QPSK	1	1	22.48	22.52	22.59	23.70
		1	108	23.11	23.00	23.06	23.70
		1	214	22.68	22.57	22.60	23.70
		108	0	21.77	22.12	21.71	22.70
		108	54	23.05	23.05	23.05	23.70
		108	108	21.81	21.99	21.93	22.70
	216	0	21.81	22.17	21.87	22.70	
	DFT-s-OFDM 16QAM	1	1	21.34	21.24	21.22	21.70
	DFT-s-OFDM 64QAM	1	1	20.04	19.94	20.05	20.70
	DFT-s-OFDM 256QAM	1	1	18.46	18.58	18.07	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	21.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	345000	349000	353000	25.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	344000	349000	354000	25.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349000	354500	25.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349000	355000	25.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349000	355500	25.20



N66 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.44	14.48	14.59	15.70
		1	108	15.05	14.90	14.92	15.70
		1	214	14.40	14.59	14.55	15.70
		108	0	15.00	14.95	14.93	15.70
		108	54	15.11	14.92	15.01	15.70
		108	108	14.98	15.03	15.01	15.70
		216	0	15.03	15.18	15.12	15.70
	DFT-s-OFDM QPSK	1	1	14.53	14.52	14.54	15.70
		1	108	14.99	14.98	14.95	15.70
		1	214	14.47	14.55	14.51	15.70
		108	0	15.13	15.06	15.05	15.70
		108	54	15.14	15.14	15.07	15.70
		108	108	15.00	15.02	14.98	15.70
	216	0	15.10	15.10	15.12	15.70	
	DFT-s-OFDM 16QAM	1	1	14.16	14.25	14.19	15.70
	DFT-s-OFDM 64QAM	1	1	14.28	14.36	14.27	15.70
	DFT-s-OFDM 256QAM	1	1	14.91	14.94	14.93	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	345000	349000	353000	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	344000	349000	354000	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349000	354500	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349000	355000	15.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349000	355500	15.70



N66 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.70	18.56	18.60	19.70
		1	108	19.18	19.04	19.05	19.70
		1	214	18.60	18.56	18.48	19.70
		108	0	18.86	19.18	18.89	19.70
		108	54	19.19	19.20	19.16	19.70
		108	108	18.85	18.99	18.96	19.70
		216	0	18.99	19.17	19.08	19.70
	DFT-s-OFDM QPSK	1	1	18.71	18.67	18.64	19.70
		1	108	19.14	19.13	18.99	19.70
		1	214	18.60	18.56	18.55	19.70
		108	0	18.89	19.21	18.85	19.70
		108	54	19.26	19.20	19.28	19.70
		108	108	18.92	18.93	18.92	19.70
	216	0	18.91	19.20	18.99	19.70	
	DFT-s-OFDM 16QAM	1	1	18.45	18.38	18.30	19.70
	DFT-s-OFDM 64QAM	1	1	18.83	18.90	18.83	19.70
	DFT-s-OFDM 256QAM	1	1	18.53	18.52	18.55	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	345000	349000	353000	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	344000	349000	354000	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	343500	349000	354500	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	343000	349000	355000	19.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	342500	349000	355500	19.70

ANT6:

N77 Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.17	/	23.80
		1	137	/	22.49	/	23.80
		1	271	/	21.92	/	23.80
		135	0	/	21.60	/	22.80
		135	69	/	22.68	/	23.80
		135	138	/	21.33	/	22.80
		270	0	/	21.47	/	22.80
	DFT-s-OFDM QPSK	1	1	/	21.95	/	23.80
		1	137	/	22.57	/	23.80
		1	271	/	22.00	/	23.80
		135	0	/	21.71	/	22.80
		135	69	/	22.81	/	23.80
		135	138	/	21.47	/	22.80
		270	0	/	21.56	/	22.80
	DFT-s-OFDM 16QAM	1	1	/	21.70	/	22.80
	DFT-s-OFDM 64QAM	1	1	/	20.98	/	21.30
	DFT-s-OFDM 256QAM	1	1	/	19.20	/	19.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	23.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	23.80
20MHz	DFT-s-OFDM QPSK	1	1	22.47	22.83	22.48	23.80



N77 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.53	/	13.80
		1	137	/	12.37	/	13.80
		1	271	/	12.33	/	13.80
		135	0	/	12.52	/	13.80
		135	69	/	12.39	/	13.80
		135	138	/	12.35	/	13.80
		270	0	/	12.38	/	13.80
	DFT-s-OFDM QPSK	1	1	/	12.38	/	13.80
		1	137	/	12.61	/	13.80
		1	271	/	12.55	/	13.80
		135	0	/	12.72	/	13.80
		135	69	/	12.80	/	13.80
		135	138	/	12.79	/	13.80
	DFT-s-OFDM 16QAM	1	1	/	12.64	/	13.80
		1	1	/	12.33	/	13.80
		1	1	/	12.61	/	13.80
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
100MHz	CP-OFDM QPSK	1	1	/	633334	/	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	13.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	13.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	13.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	13.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	13.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	13.80
				13.27	12.89	13.24	13.80



N77 Sensor on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.65	/	14.80
		1	137	/	13.36	/	14.80
		1	271	/	13.41	/	14.80
		135	0	/	13.59	/	14.80
		135	69	/	13.49	/	14.80
		135	138	/	13.45	/	14.80
		270	0	/	13.43	/	14.80
	DFT-s-OFDM QPSK	1	1	/	13.40	/	14.80
		1	137	/	13.72	/	14.80
		1	271	/	13.60	/	14.80
		135	0	/	13.78	/	14.80
		135	69	/	13.86	/	14.80
		135	138	/	13.85	/	14.80
		270	0	/	13.71	/	14.80
	DFT-s-OFDM 16QAM	1	1	/	13.71	/	14.80
	DFT-s-OFDM 64QAM	1	1	/	13.40	/	14.80
	DFT-s-OFDM 256QAM	1	1	/	13.74	/	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	14.80
				13.94	14.11	14.39	14.80



N77 Full power					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.08	21.82	22.01	22.10	21.96	22.25	23.80
		1	137	22.39	21.95	22.40	22.69	22.95	23.39	23.80
		1	271	21.86	21.84	22.40	22.25	22.39	22.44	23.80
		135	0	21.50	21.31	21.02	21.69	21.67	21.17	22.80
		135	69	22.57	21.84	22.51	22.71	23.03	22.93	23.80
		135	138	21.26	20.96	21.60	22.01	21.96	22.24	22.80
		270	0	21.38	20.97	21.49	21.58	21.86	22.34	22.80
	DFT-s-OFDM QPSK	1	1	21.86	21.90	22.04	22.21	21.97	22.41	23.80
		1	137	23.50	22.09	22.64	22.81	23.08	23.48	23.80
		1	271	21.90	21.89	22.41	22.33	22.42	22.52	23.80
		135	0	21.62	21.30	21.11	21.79	21.78	21.21	22.80
		135	69	23.10	21.91	22.63	22.80	23.06	23.04	23.80
		135	138	21.37	20.98	21.62	22.11	22.06	22.38	22.80
	DFT-s-OFDM 16QAM	1	1	21.64	21.56	21.68	21.43	21.58	22.04	22.80
	DFT-s-OFDM 64QAM	1	1	20.89	20.89	20.83	20.68	20.94	21.03	21.30
	DFT-s-OFDM 256QAM	1	1	19.10	18.96	18.95	18.93	19.10	18.88	19.30
	Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000
100MHz	CP-OFDM QPSK	1	1	20.48	20.35	20.50	20.34	20.56	21.15	22.30
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	22.84	22.47	22.45	22.43	22.78	22.35	23.80
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	22.83	22.45	22.36	22.42	22.72	22.28	23.80
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	22.83	22.33	22.36	22.56	22.79	22.28	23.80
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	22.70	22.38	22.37	22.51	22.71	22.24	23.80
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.72	22.42	22.32	22.44	22.69	22.35	23.80
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654268	Channel 657734	Channel 661200	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.72	22.38	22.43	22.50	22.63	22.30	23.80



N77 Receiver on					Conducted Power(dBm)						
SCS 30kHz(3700~3980)											
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	12.47	12.55	13.03	13.03	13.07	13.38	13.80	
		1	137	12.26	12.72	12.62	13.32	13.33	13.32	13.80	
		1	271	12.26	12.67	12.65	13.29	13.50	13.28	13.80	
		135	0	12.41	12.37	12.53	13.23	13.37	13.54	13.80	
		135	69	12.33	12.38	12.63	13.20	13.06	13.12	13.80	
		135	138	12.28	12.41	12.91	13.16	13.43	13.53	13.80	
		270	0	12.28	12.49	12.74	13.50	13.25	13.21	13.80	
	DFT-s-OFDM QPSK	1	1	13.58	13.16	13.01	13.41	13.57	13.56	13.80	
		1	137	13.32	13.12	12.71	13.16	13.56	13.30	13.80	
		1	271	13.12	13.15	12.90	13.39	13.52	13.42	13.80	
		135	0	12.62	12.46	12.74	13.06	13.42	13.14	13.80	
		135	69	12.31	12.45	12.80	13.30	13.44	13.55	13.80	
		135	138	13.57	12.69	12.91	13.32	13.56	13.56	13.80	
	DFT-s-OFDM 16QAM	1	1	13.44	12.36	12.93	13.26	13.11	13.43	13.80	
		DFT-s-OFDM 64QAM	1	1	12.53	12.42	12.95	13.15	13.25	13.36	13.80
		DFT-s-OFDM 256QAM	1	1	12.27	12.60	12.56	13.05	13.50	13.27	13.80
	DFT-s-OFDM 256QAM	1	1	12.55	12.27	12.66	13.35	13.27	13.50	13.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
100MHz	CP-OFDM QPSK	1	1	650000	652400	654800	657200	659600	662000	12.30	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
90MHz	DFT-s-OFDM QPSK	1	1	649668	652200	654734	657268	659800	662332	13.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
80MHz	DFT-s-OFDM QPSK	1	1	649334	652000	654668	657334	660000	662666	13.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
60MHz	DFT-s-OFDM QPSK	1	1	648668	651600	654534	657468	660400	663332	13.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
50MHz	DFT-s-OFDM QPSK	1	1	648334	651400	654468	657534	660600	663666	13.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
40MHz	DFT-s-OFDM QPSK	1	1	648000	651200	654400	657600	660800	664000	13.80	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
20MHz	DFT-s-OFDM QPSK	1	1	647334	650800	654268	657734	661200	664666	13.80	



N77 Sensor on&Hotspot on					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.60	13.63	14.08	14.16	14.22	14.42	14.80
		1	137	13.25	13.82	13.68	14.37	14.38	14.36	14.80
		1	271	13.33	13.77	13.72	14.32	14.60	14.33	14.80
		135	0	13.51	13.44	13.64	14.35	14.51	14.65	14.80
		135	69	13.40	13.44	13.70	14.29	14.23	14.24	14.80
		135	138	13.34	13.49	13.98	14.23	14.54	14.57	14.80
		270	0	13.37	13.58	13.77	14.56	14.38	14.69	14.80
	DFT-s-OFDM QPSK	1	1	14.65	13.68	13.78	14.43	14.26	14.51	14.80
		1	137	13.64	13.42	13.81	14.23	14.64	14.46	14.80
		1	271	13.53	13.52	13.96	14.42	14.56	14.51	14.80
		135	0	13.71	13.55	13.79	14.13	14.49	14.23	14.80
		135	69	13.37	13.55	13.92	14.44	14.52	14.67	14.80
		135	138	14.68	13.73	13.79	14.46	14.27	14.67	14.80
		270	0	13.65	13.51	13.98	14.35	14.16	14.46	14.80
	DFT-s-OFDM 16QAM	1	1	13.64	13.44	14.07	14.25	14.37	14.44	14.80
	DFT-s-OFDM 64QAM	1	1	13.34	13.65	13.65	14.13	14.56	14.38	14.80
	DFT-s-OFDM 256QAM	1	1	13.65	13.33	13.76	14.40	14.38	14.57	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	11.43	11.46	12.45	13.16	12.82	13.13	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	13.89	14.04	14.16	14.31	14.24	14.67	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	13.90	13.35	14.05	14.22	14.44	14.60	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	13.92	13.95	14.41	14.25	14.40	14.67	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	13.88	13.79	14.27	14.48	14.48	14.63	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	13.92	14.06	14.31	14.31	14.31	14.57	14.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647334	650800	654268	657734	661200	664666	
20MHz	DFT-s-OFDM QPSK	1	1	13.89	14.05	14.32	14.19	14.37	14.52	14.80



N78(Class 3) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.37	/	22.30
		1	137	/	21.42	/	22.30
		1	271	/	21.40	/	22.30
		135	0	/	21.43	/	22.30
		135	69	/	21.06	/	22.30
		135	138	/	21.43	/	22.30
		270	0	/	21.04	/	22.30
	DFT-s-OFDM QPSK	1	1	/	20.48	/	22.30
		1	137	/	21.50	/	22.30
		1	271	/	20.52	/	22.30
		135	0	/	21.47	/	22.30
		135	69	/	21.13	/	22.30
		135	138	/	21.56	/	22.30
		270	0	/	21.13	/	22.30
	DFT-s-OFDM 16QAM	1	1	/	21.37	/	22.30
	DFT-s-OFDM 64QAM	1	1	/	20.70	/	20.80
	DFT-s-OFDM 256QAM	1	1	/	18.61	/	18.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		20.42		20.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	21.24	21.35	21.44	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.31	21.31	21.26	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.25	21.41	21.41	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	21.30	21.31	21.42	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.22	21.42	21.34	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	21.24	21.18	21.03	22.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.31	21.38	21.27	22.30



N78(Class 3) Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.49	/	12.30
		1	137	/	11.58	/	12.30
		1	271	/	11.14	/	12.30
		135	0	/	11.52	/	12.30
		135	69	/	11.99	/	12.30
		135	138	/	11.83	/	12.30
		270	0	/	11.32	/	12.30
	DFT-s-OFDM QPSK	1	1	/	11.66	/	12.30
		1	137	/	11.50	/	12.30
		1	271	/	11.61	/	12.30
		135	0	/	11.33	/	12.30
		135	69	/	11.61	/	12.30
		135	138	/	11.95	/	12.30
		270	0	/	11.90	/	12.30
	DFT-s-OFDM 16QAM	1	1	/	11.01	/	12.30
	DFT-s-OFDM 64QAM	1	1	/	11.25	/	12.30
	DFT-s-OFDM 256QAM	1	1	/	11.86	/	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	11.24	/	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.67	11.91	11.94	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.53	11.91	11.96	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.61	11.93	11.91	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.65	11.86	11.95	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.47	11.80	12.01	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	11.56	11.74	12.01	12.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.56	11.83	12.02	12.30



N78(Class 3) Sensor on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.38	/	13.30
		1	137	/	12.47	/	13.30
		1	271	/	12.07	/	13.30
		135	0	/	12.44	/	13.30
		135	69	/	12.90	/	13.30
		135	138	/	12.77	/	13.30
		270	0	/	12.19	/	13.30
	DFT-s-OFDM QPSK	1	1	/	12.25	/	13.30
		1	137	/	12.51	/	13.30
		1	271	/	12.49	/	13.30
		135	0	/	12.29	/	13.30
		135	69	/	12.57	/	13.30
		135	138	/	12.99	/	13.30
		270	0	/	12.84	/	13.30
	DFT-s-OFDM 16QAM	1	1	/	11.98	/	13.30
	DFT-s-OFDM 64QAM	1	1	/	12.11	/	13.30
	DFT-s-OFDM 256QAM	1	1	/	12.77	/	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.19	/	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.53	12.91	12.77	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	12.42	12.77	12.95	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	12.57	12.85	12.90	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.51	12.74	12.79	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	12.44	12.77	12.96	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	12.53	12.74	12.89	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	12.40	12.77	12.85	13.30



N78(Class 2) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.32	/	23.30
		1	137	/	22.49	/	23.30
		1	271	/	22.37	/	23.30
		135	0	/	22.40	/	23.30
		135	69	/	22.07	/	23.30
		135	138	/	22.44	/	23.30
		270	0	/	22.07	/	23.30
	DFT-s-OFDM QPSK	1	1	/	22.42	/	23.30
		1	137	/	22.35	/	23.30
		1	271	/	22.39	/	23.30
		135	0	/	22.53	/	23.30
		135	69	/	22.05	/	23.30
		135	138	/	22.54	/	23.30
		270	0	/	22.12	/	23.30
	DFT-s-OFDM 16QAM	1	1	/	21.46	/	23.30
	DFT-s-OFDM 64QAM	1	1	/	20.25	/	21.80
	DFT-s-OFDM 256QAM	1	1	/	18.91	/	19.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	19.89	/	21.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	21.85	21.87	21.78	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.77	21.79	21.74	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.72	21.70	21.76	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	21.75	21.82	21.85	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.82	21.91	21.94	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	21.75	21.73	21.75	23.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.83	21.84	21.85	23.30



N78(Class 2) Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.74	/	13.30
		1	137	/	11.70	/	13.30
		1	271	/	11.63	/	13.30
		135	0	/	11.71	/	13.30
		135	69	/	12.45	/	13.30
		135	138	/	12.27	/	13.30
		270	0	/	11.56	/	13.30
	DFT-s-OFDM QPSK	1	1	/	12.36	/	13.30
		1	137	/	12.25	/	13.30
		1	271	/	12.30	/	13.30
		135	0	/	11.72	/	13.30
		135	69	/	11.73	/	13.30
		135	138	/	12.48	/	13.30
		270	0	/	12.24	/	13.30
	DFT-s-OFDM 16QAM	1	1	/	11.40	/	13.30
	DFT-s-OFDM 64QAM	1	1	/	11.45	/	13.30
	DFT-s-OFDM 256QAM	1	1	/	12.13	/	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	10.55	/	11.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.39	11.51	11.61	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.35	11.47	11.62	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.32	11.44	11.66	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.36	11.46	11.67	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.30	11.57	11.67	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	11.31	11.58	11.70	13.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.63	11.52	11.65	13.30



N78(Class 2) Sensor on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	13.82	/	15.30
		1	137	/	13.80	/	15.30
		1	271	/	13.66	/	15.30
		135	0	/	13.80	/	15.30
		135	69	/	14.50	/	15.30
		135	138	/	14.38	/	15.30
		270	0	/	13.66	/	15.30
	DFT-s-OFDM QPSK	1	1	/	13.74	/	15.30
		1	137	/	13.82	/	15.30
		1	271	/	13.78	/	15.30
		135	0	/	13.71	/	15.30
		135	69	/	13.83	/	15.30
		135	138	/	14.55	/	15.30
		270	0	/	14.29	/	15.30
	DFT-s-OFDM 16QAM	1	1	/	13.48	/	15.30
	DFT-s-OFDM 64QAM	1	1	/	13.58	/	15.30
	DFT-s-OFDM 256QAM	1	1	/	14.16	/	15.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.66	/	13.80
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	13.42	13.60	13.68	15.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.47	13.52	13.67	15.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	13.37	13.48	13.73	15.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.40	13.52	13.74	15.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.37	13.68	13.70	15.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	13.39	13.69	13.78	15.30
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.36	13.62	13.66	15.30

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N7 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.15	13.13	13.27	14.50
		1	135	13.17	13.06	13.19	14.50
		1	268	13.30	13.21	13.33	14.50
		135	0	13.10	13.22	13.18	14.50
		135	67	13.45	13.48	13.42	14.50
		135	135	13.48	13.32	13.26	14.50
		270	0	13.29	13.26	13.36	14.50
	DFT-s-OFDM QPSK	1	1	13.22	13.27	13.29	14.50
		1	135	13.14	13.30	13.27	14.50
		1	268	13.11	13.13	13.23	14.50
		135	0	13.31	13.33	13.38	14.50
		135	67	13.19	13.50	13.50	14.50
		135	135	13.42	13.48	13.41	14.50
	270	0	13.44	13.43	13.35	14.50	
	DFT-s-OFDM 16QAM	1	1	12.88	12.92	12.96	14.50
	DFT-s-OFDM 64QAM	1	1	12.98	12.93	12.88	14.50
	DFT-s-OFDM 256QAM	1	1	13.54	13.52	13.56	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM OPSK	1	1	500500	507000	513500	



N7 Full power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.17	19.09	19.09	20.50
		1	135	19.06	18.99	19.10	20.50
		1	268	19.42	19.29	19.36	20.50
		135	0	19.09	19.12	19.07	20.50
		135	67	19.47	19.50	19.54	20.50
		135	135	19.34	19.29	19.29	20.50
		270	0	19.29	19.29	19.31	20.50
	DFT-s-OFDM QPSK	1	1	19.37	19.25	19.21	20.50
		1	135	19.14	19.40	19.16	20.50
		1	268	19.04	19.13	19.15	20.50
		135	0	19.41	19.30	19.36	20.50
		135	67	19.16	19.60	19.60	20.50
		135	135	19.54	19.51	19.56	20.50
		270	0	19.45	19.43	19.42	20.50
	DFT-s-OFDM 16QAM	1	1	18.98	18.95	18.98	20.50
	DFT-s-OFDM 64QAM	1	1	18.93	19.01	19.09	20.50
	DFT-s-OFDM 256QAM	1	1	17.97	18.04	17.97	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	CP-OFDM QPSK	1	1	505000	507000	509000	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	504000	507000	510000	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	503000	507000	511000	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	502500	507000	511500	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	502000	507000	512000	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	501500	507000	512500	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	501000	507000	513000	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	500500	507000	513500	20.50



N38 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	11.52	11.70	11.51	13.00
		1	108	11.60	11.73	11.52	13.00
		1	214	11.66	11.75	11.53	13.00
		108	0	11.63	11.58	11.44	13.00
		108	54	11.92	12.03	12.01	13.00
		108	108	11.96	11.99	11.91	13.00
		216	0	11.62	11.66	11.61	13.00
	DFT-s-OFDM QPSK	1	1	11.75	11.68	11.67	13.00
		1	108	11.85	11.63	11.54	13.00
		1	214	11.67	11.69	11.64	13.00
		108	0	11.68	11.73	11.60	13.00
		108	54	11.71	12.12	11.63	13.00
		108	108	12.11	12.08	11.96	13.00
		216	0	12.05	11.97	11.85	13.00
	DFT-s-OFDM 16QAM	1	1	11.42	11.38	11.37	13.00
	DFT-s-OFDM 64QAM	1	1	11.48	11.42	11.33	13.00
	DFT-s-OFDM 256QAM	1	1	12.04	11.99	11.90	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	518000	519000	520000	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	517000	519000	521000	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	516000	519000	522000	13.00

N38 Full power				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.41	17.57	17.49	19.00
		1	108	17.44	17.39	17.60	19.00
		1	214	17.49	17.66	17.77	19.00
		108	0	17.51	17.53	17.52	19.00
		108	54	18.05	18.13	18.01	19.00
		108	108	17.91	17.91	18.02	19.00
		216	0	17.55	17.60	17.54	19.00
	DFT-s-OFDM QPSK	1	1	17.56	17.54	17.61	19.00
		1	108	17.70	17.55	17.59	19.00
		1	214	17.56	17.53	17.60	19.00
		108	0	17.61	17.65	17.72	19.00
		108	54	17.56	18.10	17.64	19.00
		108	108	18.09	18.04	18.05	19.00
		216	0	17.97	17.93	18.01	19.00
	DFT-s-OFDM 16QAM	1	1	17.21	17.25	17.29	19.00
	DFT-s-OFDM 64QAM	1	1	17.88	17.81	17.79	19.00
	DFT-s-OFDM 256QAM	1	1	17.49	17.53	17.57	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	518000	519000	520000	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	517000	519000	521000	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	516000	519000	522000	19.00



N41 Receiver on&Hotspot on				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	10.07	10.19	10.21	10.19	10.31	11.50
		1	137	10.23	10.16	10.28	10.33	10.23	11.50
		1	271	10.40	10.49	10.51	10.60	10.63	11.50
		135	0	10.08	10.12	10.25	10.25	10.31	11.50
		135	69	11.38	11.33	11.42	11.43	11.42	11.50
		135	138	10.91	11.22	10.97	11.21	11.03	11.50
		270	0	10.64	10.65	10.72	10.66	10.61	11.50
	DFT-s-OFDM QPSK	1	1	10.70	10.68	10.80	10.71	10.82	11.50
		1	137	11.00	10.70	10.86	10.76	10.88	11.50
		1	271	10.25	10.20	10.28	10.25	10.31	11.50
		135	0	10.49	10.45	10.51	10.55	10.66	11.50
		135	69	10.19	10.20	10.29	10.24	10.25	11.50
		135	138	11.49	11.42	11.39	11.48	11.46	11.50
		270	0	11.20	11.10	11.07	11.17	11.14	11.50
	DFT-s-OFDM 16QAM	1	1	10.31	10.31	10.34	10.40	10.39	11.50
	DFT-s-OFDM 64QAM	1	1	10.37	10.42	10.46	10.52	10.50	11.50
	DFT-s-OFDM 256QAM	1	1	10.91	10.94	11.05	11.07	11.05	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 513900	Channel 518598	Channel 523302	Channel 528000	Tune up
1000MHz	CP-OFDM QPSK	1	1	10.64	10.61	10.76	10.58	10.66	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 513402	Channel 518598	Channel 523800	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	10.70	10.50	10.81	10.60	10.75	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 512904	Channel 518598	Channel 524298	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	10.70	10.58	10.72	10.66	10.83	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 511902	Channel 518598	Channel 525300	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	10.69	10.57	10.77	10.65	10.74	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 511404	Channel 518598	Channel 525798	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	10.66	10.65	10.81	10.68	10.68	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 510900	Channel 518598	Channel 526302	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	10.65	10.61	10.84	10.69	10.73	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 510402	Channel 518598	Channel 526800	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	10.79	10.57	10.83	10.67	10.78	11.50
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 509904	Channel 518598	Channel 527298	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	10.56	10.60	10.67	10.62	10.68	11.50



N41 Full power				Conducted Power(dBm)					
SCS 30kHz									
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.03	21.05	21.10	21.10	21.14	22.50
		1	137	20.99	21.10	21.05	21.16	21.20	22.50
		1	271	21.18	20.93	21.23	21.02	21.01	22.50
		135	0	21.07	21.12	21.12	21.18	21.13	22.50
		135	69	21.78	22.17	21.89	22.24	22.08	22.50
		135	138	21.69	21.77	21.75	21.87	21.99	22.50
		270	0	21.04	21.18	21.11	21.27	21.25	22.50
	DFT-s-OFDM QPSK	1	1	21.02	21.24	21.12	21.31	21.28	22.50
		1	137	21.33	21.08	21.15	21.19	21.21	22.50
		1	271	21.03	21.15	21.14	21.25	21.28	22.50
		135	0	21.03	21.08	21.12	21.15	21.16	22.50
		135	69	21.05	21.11	21.11	21.19	21.14	22.50
		135	138	22.20	22.09	21.99	22.20	22.15	22.50
		270	0	21.71	21.88	21.81	21.93	21.90	22.50
	DFT-s-OFDM 16QAM	1	1	21.10	21.01	20.88	20.89	21.15	22.50
	DFT-s-OFDM 64QAM	1	1	20.30	20.02	20.39	20.48	20.47	22.00
	DFT-s-OFDM 256QAM	1	1	19.35	19.21	19.02	19.01	19.09	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				509202	513900	518598	523302	528000	
1000MHz	CP-OFDM QPSK	1	1	19.59	19.61	19.65	19.72	19.72	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				508200	513402	518598	523800	528996	
90MHz	DFT-s-OFDM QPSK	1	1	21.00	21.17	21.07	21.24	21.19	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				507204	512904	518598	524298	529998	
80MHz	DFT-s-OFDM QPSK	1	1	21.07	21.19	21.12	21.30	21.22	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				505200	511902	518598	525300	531996	
60MHz	DFT-s-OFDM QPSK	1	1	21.14	21.31	21.20	21.37	21.17	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				504204	511404	518598	525798	532998	
50MHz	DFT-s-OFDM QPSK	1	1	21.07	21.34	21.18	21.39	21.21	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				503202	510900	518598	526302	534000	
40MHz	DFT-s-OFDM QPSK	1	1	20.98	21.21	21.06	21.28	21.16	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				502200	510402	518598	526800	534996	
30MHz	DFT-s-OFDM QPSK	1	1	21.02	21.20	21.10	21.30	21.21	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				501204	509904	518598	527298	535998	
20MHz	DFT-s-OFDM QPSK	1	1	21.03	21.25	21.08	21.30	21.27	22.50



N66 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	12.99	12.97	12.94	14.60
		1	108	13.37	13.41	13.38	14.60
		1	214	13.06	13.03	12.98	14.60
		108	0	13.44	13.42	13.44	14.60
		108	54	13.55	13.51	13.63	14.60
		108	108	13.31	13.36	13.47	14.60
		216	0	13.47	13.48	13.49	14.60
	DFT-s-OFDM QPSK	1	1	12.96	12.95	12.97	14.60
		1	108	13.39	13.37	13.39	14.60
		1	214	12.99	13.04	13.03	14.60
		108	0	13.43	13.40	13.40	14.60
		108	54	13.58	13.51	13.57	14.60
		108	108	13.28	13.33	13.42	14.60
		216	0	13.45	13.44	13.54	14.60
	DFT-s-OFDM 16QAM	1	1	12.64	12.73	12.70	14.60
	DFT-s-OFDM 64QAM	1	1	12.76	12.71	12.74	14.60
	DFT-s-OFDM 256QAM	1	1	13.34	13.32	13.32	14.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	346000	349000	352000	
				13.03	12.99	13.00	14.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	13.01	12.93	13.01	14.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	12.87	13.02	12.98	14.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	12.98	12.96	12.93	14.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	13.03	13.02	13.00	14.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	12.88	12.94	13.00	14.60



N66 Full power				Conducted Power(dBm)				
SCS 15kHz								
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				346000	349000	352000		
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.78	19.69	19.78	21.60	
		1	108	20.41	20.23	20.19	21.60	
		1	214	19.84	19.83	19.98	21.60	
		108	0	21.55	21.27	21.38	21.60	
		108	54	20.36	20.59	20.42	21.60	
		108	108	21.34	21.30	21.25	21.60	
		216	0	21.22	21.25	21.36	21.60	
	DFT-s-OFDM QPSK	1	1	19.92	19.83	19.89	21.60	
		1	108	20.39	20.37	20.39	21.60	
		1	214	19.92	19.95	20.04	21.60	
		108	0	20.48	20.42	20.44	21.60	
		108	54	20.50	20.50	20.48	21.60	
		108	108	20.29	20.29	20.36	21.60	
		216	0	20.32	20.40	20.43	21.60	
	DFT-s-OFDM 16QAM		1	1	20.51	20.54	20.49	21.60
	DFT-s-OFDM 64QAM		1	1	20.34	20.29	20.33	20.60
	DFT-s-OFDM 256QAM		1	1	18.84	18.89	18.86	19.60
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				346000	349000	352000		
40MHz	CP-OFDM QPSK	1	1	18.07	18.10	18.09	19.10	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				345000	349000	353000		
30MHz	DFT-s-OFDM QPSK	1	1	19.79	19.80	19.77	21.60	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				344000	349000	354000		
20MHz	DFT-s-OFDM QPSK	1	1	19.81	19.73	19.83	21.60	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				343500	349000	354500		
15MHz	DFT-s-OFDM QPSK	1	1	19.91	19.90	19.85	21.60	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				343000	349000	355000		
10MHz	DFT-s-OFDM QPSK	1	1	19.97	19.83	19.91	21.60	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				342500	349000	355500		
5MHz	DFT-s-OFDM QPSK	1	1	19.93	19.69	19.80	21.60	


ANT11:

N77 Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.12	/	24.00
		1	137	/	22.97	/	24.00
		1	271	/	22.12	/	24.00
		135	0	/	22.74	/	23.00
		135	69	/	22.94	/	24.00
		135	138	/	22.57	/	23.00
		270	0	/	22.68	/	23.00
	DFT-s-OFDM QPSK	1	1	/	23.25	/	24.00
		1	137	/	23.01	/	24.00
		1	271	/	22.14	/	24.00
		135	0	/	22.81	/	23.00
		135	69	/	23.03	/	24.00
		135	138	/	22.65	/	23.00
		270	0	/	22.73	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.53	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	21.00	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	19.91	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.73	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	22.10	22.22	22.12	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	22.17	22.18	22.10	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	22.13	22.14	22.09	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	22.17	22.19	22.09	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	22.16	22.15	22.06	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	22.09	22.10	22.07	24.00



N77 Receiver on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.89	/	21.00
		1	137	/	19.90	/	21.00
		1	271	/	19.37	/	21.00
		135	0	/	19.92	/	21.00
		135	69	/	20.65	/	21.00
		135	138	/	20.39	/	21.00
		270	0	/	19.45	/	21.00
	DFT-s-OFDM QPSK	1	1	/	20.25	/	21.00
		1	137	/	20.20	/	21.00
		1	271	/	20.19	/	21.00
		135	0	/	19.54	/	21.00
		135	69	/	20.62	/	21.00
		135	138	/	20.61	/	21.00
		270	0	/	20.33	/	21.00
	DFT-s-OFDM 16QAM	1	1	/	20.34	/	21.00
	DFT-s-OFDM 64QAM	1	1	/	20.55	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	20.01	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	18.23	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	19.55	20.42	19.64	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	19.57	20.36	19.74	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	19.69	20.34	19.65	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	19.70	20.34	19.79	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.66	20.36	19.77	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	19.66	20.23	19.82	21.00



N77 Sensor on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.66	/	16.50
		1	137	/	14.60	/	16.50
		1	271	/	14.70	/	16.50
		135	0	/	14.60	/	16.50
		135	69	/	15.35	/	16.50
		135	138	/	15.15	/	16.50
		270	0	/	14.84	/	16.50
	DFT-s-OFDM QPSK	1	1	/	14.92	/	16.50
		1	137	/	14.59	/	16.50
		1	271	/	14.62	/	16.50
		135	0	/	14.91	/	16.50
		135	69	/	15.42	/	16.50
		135	138	/	15.41	/	16.50
		270	0	/	15.25	/	16.50
	DFT-s-OFDM 16QAM	1	1	/	15.51	/	16.50
	DFT-s-OFDM 64QAM	1	1	/	14.62	/	16.50
	DFT-s-OFDM 256QAM	1	1	/	15.10	/	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	13.67	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.23	15.25	15.08	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	15.14	15.33	15.14	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.11	15.12	14.96	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.06	15.17	14.96	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.08	15.20	14.98	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.21	15.21	14.91	16.50



N77 Full power					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.02	22.02	22.02	22.02	22.00	22.37	24.00
		1	137	22.88	22.62	22.79	22.91	22.91	23.22	24.00
		1	271	22.07	22.03	22.30	22.10	22.08	22.06	24.00
		135	0	22.63	22.67	22.95	22.84	22.38	22.96	23.00
		135	69	22.89	22.64	23.01	23.02	22.86	23.54	24.00
		135	138	22.48	22.52	22.88	22.84	22.75	22.98	23.00
		270	0	22.59	22.50	22.87	22.95	22.91	22.93	23.00
	DFT-s-OFDM QPSK	1	1	22.09	22.06	22.12	22.04	22.08	22.35	24.00
		1	137	22.95	22.69	23.03	23.52	22.99	23.50	24.00
		1	271	22.06	22.02	22.34	22.21	22.11	22.12	24.00
		135	0	22.72	22.65	22.97	22.88	22.44	22.98	23.00
		135	69	22.94	22.69	23.02	23.50	22.92	23.49	24.00
		135	138	22.58	22.58	22.93	22.95	22.72	22.97	23.00
		270	0	22.63	22.54	22.86	22.97	22.95	22.95	23.00
	DFT-s-OFDM 16QAM	1	1	21.45	21.28	21.85	21.68	21.78	21.97	22.00
	DFT-s-OFDM 64QAM	1	1	20.92	20.94	21.23	21.45	21.43	21.35	21.50
	DFT-s-OFDM 256QAM	1	1	19.86	19.96	20.23	20.18	20.24	20.35	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	21.62	21.58	22.01	21.89	21.95	22.12	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	22.12	22.05	22.01	22.02	22.02	22.27	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	22.08	22.09	22.02	22.05	22.00	22.32	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	22.04	22.02	22.00	22.08	22.05	22.28	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	22.08	22.08	22.03	22.08	22.10	22.24	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.05	22.09	22.01	22.12	22.10	22.34	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654268	Channel 657734	Channel 661200	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.03	22.00	22.14	22.05	22.00	22.23	24.00



N77 Receiver on					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.77	21.79	21.66	21.17	21.77	21.92	23.00
		1	137	21.78	21.82	21.83	21.22	21.88	21.96	23.00
		1	271	22.07	21.28	21.54	21.11	21.67	21.95	23.00
		135	0	21.93	21.85	21.81	21.23	21.92	22.06	23.00
		135	69	22.66	22.59	22.63	22.30	21.97	21.82	23.00
		135	138	22.43	22.28	22.44	21.96	22.55	22.53	23.00
		270	0	22.01	21.38	21.50	21.11	21.41	21.59	23.00
	DFT-s-OFDM QPSK	1	1	22.10	21.31	21.61	21.06	21.54	21.80	23.00
		1	137	22.11	21.78	22.00	22.20	21.98	22.10	23.00
		1	271	21.86	21.73	21.92	21.23	21.87	22.08	23.00
		135	0	22.05	21.47	21.54	21.24	21.74	22.06	23.00
		135	69	21.90	21.86	21.94	21.23	21.85	22.06	23.00
		135	138	22.77	22.53	22.56	22.82	22.81	22.78	23.00
		270	0	22.52	22.22	22.46	22.03	22.52	22.78	23.00
	DFT-s-OFDM 16QAM	1	1	21.45	21.28	21.85	21.68	21.78	21.97	22.00
	DFT-s-OFDM 64QAM	1	1	20.92	20.94	21.23	21.45	21.43	21.35	21.50
	DFT-s-OFDM 256QAM	1	1	19.86	19.96	20.23	20.18	20.24	20.35	21.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	21.11	20.13	20.32	21.01	20.26	21.33	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	22.35	21.49	21.71	21.23	21.65	22.01	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	22.31	21.49	21.84	21.32	21.81	22.08	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	22.27	21.61	21.73	21.30	21.77	21.96	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	22.28	21.60	21.89	21.40	21.77	22.13	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.27	21.57	21.83	21.16	21.65	22.07	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654268	Channel 657734	Channel 661200	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.16	21.58	21.91	21.25	21.64	22.01	23.00



N77 Hotspot on&Sensor on					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.59	15.22	15.06	15.95	15.63	15.48	16.50
		1	137	14.52	15.22	14.94	15.91	15.65	15.53	16.50
		1	271	14.65	14.78	15.25	15.11	15.63	15.26	16.50
		135	0	14.55	15.27	14.84	15.91	15.83	15.26	16.50
		135	69	15.28	15.62	15.27	16.18	16.25	16.07	16.50
		135	138	15.06	15.49	15.09	15.94	16.30	15.73	16.50
		270	0	14.78	14.79	14.77	15.15	15.62	15.26	16.50
	DFT-s-OFDM QPSK	1	1	14.82	14.88	14.87	15.23	15.66	15.41	16.50
		1	137	14.54	15.23	15.20	16.25	15.82	15.46	16.50
		1	271	14.53	15.17	15.27	16.00	15.89	15.47	16.50
		135	0	14.80	14.74	15.02	15.32	15.82	15.43	16.50
		135	69	14.64	15.24	14.78	15.98	15.86	15.46	16.50
		135	138	15.33	15.78	15.41	16.35	16.30	16.35	16.50
		270	0	15.14	15.39	15.11	16.09	16.22	15.83	16.50
	DFT-s-OFDM 16QAM	1	1	15.42	14.68	15.21	14.98	15.56	15.18	16.50
	DFT-s-OFDM 64QAM	1	1	14.53	14.58	15.25	15.17	15.59	15.21	16.50
	DFT-s-OFDM 256QAM	1	1	15.05	15.24	14.83	15.70	16.11	15.80	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	13.42	13.60	13.24	14.05	14.56	14.07	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	15.16	15.17	15.15	15.60	15.99	15.55	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	15.09	15.22	15.23	15.51	16.05	15.65	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	15.04	15.06	15.05	15.42	16.06	15.60	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	14.99	15.10	15.05	15.58	16.02	15.70	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	14.99	15.15	15.09	15.44	15.97	15.62	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654268	Channel 657734	Channel 661200	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.12	15.10	15.02	15.60	15.96	15.64	16.50



N78(Class 3) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.89	/	18.50
		1	137	/	17.06	/	18.50
		1	271	/	16.93	/	18.50
		135	0	/	17.23	/	18.50
		135	69	/	17.58	/	18.50
		135	138	/	17.56	/	18.50
		270	0	/	16.80	/	18.50
	DFT-s-OFDM QPSK	1	1	/	16.92	/	18.50
		1	137	/	16.96	/	18.50
		1	271	/	16.99	/	18.50
		135	0	/	17.00	/	18.50
		135	69	/	17.11	/	18.50
		135	138	/	17.80	/	18.50
		270	0	/	17.52	/	18.50
	DFT-s-OFDM 16QAM	1	1	/	16.60	/	18.50
	DFT-s-OFDM 64QAM	1	1	/	16.89	/	18.50
	DFT-s-OFDM 256QAM	1	1	/	17.32	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	17.64	17.12	16.96	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	17.71	17.08	16.97	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				17.51	16.92	16.84	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				17.65	17.04	17.00	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				17.54	16.99	16.82	18.50



N78(Class 3) Receiver on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.89	/	14.50
		1	137	/	13.06	/	14.50
		1	271	/	12.93	/	14.50
		135	0	/	13.23	/	14.50
		135	69	/	13.58	/	14.50
		135	138	/	13.56	/	14.50
		270	0	/	12.80	/	14.50
	DFT-s-OFDM QPSK	1	1	/	12.92	/	14.50
		1	137	/	12.96	/	14.50
		1	271	/	12.99	/	14.50
		135	0	/	13.00	/	14.50
		135	69	/	13.11	/	14.50
		135	138	/	13.80	/	14.50
		270	0	/	13.52	/	14.50
	DFT-s-OFDM 16QAM	1	1	/	12.60	/	14.50
	DFT-s-OFDM 64QAM	1	1	/	12.89	/	14.50
	DFT-s-OFDM 256QAM	1	1	/	13.32	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.95	/	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	13.64	13.12	12.96	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.42	12.84	12.68	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	13.75	13.12	13.00	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.71	13.08	12.97	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.51	12.92	12.84	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	13.65	13.04	13.00	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.54	12.99	12.82	14.50



N78(Class 3) Sensor on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	10.84	/	12.50
		1	137	/	11.21	/	12.50
		1	271	/	10.85	/	12.50
		135	0	/	11.28	/	12.50
		135	69	/	11.66	/	12.50
		135	138	/	11.71	/	12.50
		270	0	/	10.82	/	12.50
	DFT-s-OFDM QPSK	1	1	/	10.86	/	12.50
		1	137	/	10.95	/	12.50
		1	271	/	11.09	/	12.50
		135	0	/	11.11	/	12.50
		135	69	/	11.14	/	12.50
		135	138	/	11.82	/	12.50
		270	0	/	11.52	/	12.50
	DFT-s-OFDM 16QAM	1	1	/	10.76	/	12.50
	DFT-s-OFDM 64QAM	1	1	/	10.92	/	12.50
	DFT-s-OFDM 256QAM	1	1	/	11.31	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	631000	633334	635668	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	12.50



N78(Class 2) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.77	/	21.50
		1	137	/	20.94	/	21.50
		1	271	/	20.47	/	21.50
		135	0	/	21.03	/	21.50
		135	69	/	21.16	/	21.50
		135	138	/	21.06	/	21.50
		270	0	/	20.54	/	21.50
	DFT-s-OFDM QPSK	1	1	/	20.95	/	21.50
		1	137	/	20.85	/	21.50
		1	271	/	20.78	/	21.50
		135	0	/	20.69	/	21.50
		135	69	/	20.85	/	21.50
		135	138	/	21.36	/	21.50
		270	0	/	20.92	/	21.50
	DFT-s-OFDM 16QAM	1	1	/	20.19	/	21.50
	DFT-s-OFDM 64QAM	1	1	/	20.49	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	20.49	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	631000	633334	635668	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	21.50



N78(Class 2) Receiver on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.77	/	17.50
		1	137	/	16.94	/	17.50
		1	271	/	16.47	/	17.50
		135	0	/	17.03	/	17.50
		135	69	/	17.16	/	17.50
		135	138	/	17.06	/	17.50
		270	0	/	16.54	/	17.50
	DFT-s-OFDM QPSK	1	1	/	17.00	/	17.50
		1	137	/	16.85	/	17.50
		1	271	/	16.78	/	17.50
		135	0	/	16.69	/	17.50
		135	69	/	16.85	/	17.50
		135	138	/	17.36	/	17.50
		270	0	/	16.92	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.19	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.49	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.49	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	16.69	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.38	16.80	17.16	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	16.10	16.64	16.92	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	16.24	16.78	17.15	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	16.25	16.82	17.12	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	16.22	16.48	16.96	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	16.34	16.82	17.27	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	16.19	16.63	17.09	17.50



N78(Class 2) Sensor on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.77	/	15.50
		1	137	/	14.95	/	15.50
		1	271	/	14.24	/	15.50
		135	0	/	15.06	/	15.50
		135	69	/	15.26	/	15.50
		135	138	/	15.20	/	15.50
		270	0	/	14.47	/	15.50
	DFT-s-OFDM QPSK	1	1	/	15.01	/	15.50
		1	137	/	14.91	/	15.50
		1	271	/	14.90	/	15.50
		135	0	/	14.58	/	15.50
		135	69	/	14.95	/	15.50
		135	138	/	15.26	/	15.50
		270	0	/	15.08	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.31	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	14.61	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	14.96	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.96	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	14.62	15.04	15.44	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.43	14.94	14.89	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.62	15.05	15.42	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	14.56	15.05	15.46	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	14.45	15.02	14.97	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	14.52	15.22	15.03	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.47	15.03	14.97	15.50



ANT12:

N77 Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.76	/	24.70
		1	137	/	23.07	/	24.70
		1	271	/	22.79	/	24.70
		135	0	/	22.70	/	23.70
		135	69	/	23.00	/	24.70
		135	138	/	22.71	/	23.70
		270	0	/	22.93	/	24.70
	DFT-s-OFDM QPSK	1	1	/	22.84	/	24.70
		1	137	/	23.09	/	24.70
		1	271	/	22.88	/	24.70
		135	0	/	22.79	/	24.70
		135	69	/	22.80	/	24.70
		135	138	/	22.80	/	24.70
		270	0	/	23.07	/	24.70
	DFT-s-OFDM 16QAM	1	1	/	21.96	/	23.70
	DFT-s-OFDM 64QAM	1	1	/	21.61	/	22.70
	DFT-s-OFDM 256QAM	1	1	/	20.75	/	21.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	23.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	24.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	24.70
				22.77	22.80	23.01	24.70



N77 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.19	/	12.70
		1	137	/	11.33	/	12.70
		1	271	/	10.79	/	12.70
		135	0	/	11.37	/	12.70
		135	69	/	11.90	/	12.70
		135	138	/	11.58	/	12.70
		270	0	/	11.25	/	12.70
	DFT-s-OFDM QPSK	1	1	/	10.78	/	12.70
		1	137	/	11.36	/	12.70
		1	271	/	11.32	/	12.70
		135	0	/	10.82	/	12.70
		135	69	/	11.24	/	12.70
		135	138	/	11.79	/	12.70
	DFT-s-OFDM 16QAM	1	1	/	11.02	/	12.70
		1	1	/	11.14	/	12.70
		1	1	/	11.13	/	12.70
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
100MHz	CP-OFDM QPSK	1	1	/	633334	/	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	12.70
20MHz	DFT-s-OFDM QPSK	1	1	11.16	11.63	11.59	12.70



N77 Sensor on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.17	/	16.70
		1	137	/	15.24	/	16.70
		1	271	/	14.99	/	16.70
		135	0	/	15.03	/	16.70
		135	69	/	15.72	/	16.70
		135	138	/	15.54	/	16.70
		270	0	/	14.95	/	16.70
	DFT-s-OFDM QPSK	1	1	/	15.05	/	16.70
		1	137	/	15.26	/	16.70
		1	271	/	15.24	/	16.70
		135	0	/	14.99	/	16.70
		135	69	/	15.82	/	16.70
		135	138	/	15.81	/	16.70
		270	0	/	15.57	/	16.70
	DFT-s-OFDM 16QAM	1	1	/	14.83	/	16.70
	DFT-s-OFDM 64QAM	1	1	/	14.94	/	16.70
	DFT-s-OFDM 256QAM	1	1	/	15.50	/	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	15.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	16.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	16.70



N77 Full power					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.71	22.73	23.04	23.17	22.92	23.46	24.70
		1	137	22.97	23.03	22.96	22.85	22.86	23.18	24.70
		1	271	22.72	22.80	23.23	23.40	23.55	23.49	24.70
		135	0	22.62	22.88	22.97	22.89	23.02	23.19	23.70
		135	69	22.92	22.80	23.13	23.13	23.04	23.44	24.70
		135	138	22.66	22.66	23.05	22.95	22.94	23.22	23.70
		270	0	22.87	22.73	22.90	22.97	23.04	23.08	24.70
	DFT-s-OFDM QPSK	1	1	22.75	22.82	23.16	23.09	23.05	23.08	24.70
		1	137	23.01	23.02	23.03	22.99	22.94	23.43	24.70
		1	271	22.78	22.86	23.01	22.93	22.91	23.13	24.70
		135	0	22.71	22.86	23.12	22.89	23.02	23.29	23.70
		135	69	23.02	22.80	23.17	23.11	23.12	23.84	24.70
		135	138	22.72	22.76	23.03	23.00	23.04	23.21	23.70
		270	0	23.01	22.78	23.01	23.04	23.08	23.09	24.70
	DFT-s-OFDM 16QAM	1	1	21.85	21.72	22.02	21.76	21.92	22.12	23.70
	DFT-s-OFDM 64QAM	1	1	21.52	21.63	21.86	21.67	21.78	21.92	22.70
	DFT-s-OFDM 256QAM	1	1	20.69	20.91	20.67	20.69	20.62	20.78	21.70
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	21.42	21.57	21.97	22.02	21.92	22.12	23.20
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	22.72	22.77	23.03	23.14	23.01	23.46	24.70
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	22.78	22.73	23.02	23.04	23.02	23.38	24.70
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	22.75	22.85	23.11	23.13	22.91	23.38	24.70
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	22.72	22.78	23.07	23.14	22.96	23.36	24.70
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.70	22.82	23.06	23.15	22.96	23.35	24.70
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654268	Channel 657734	Channel 661200	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.74	22.72	23.08	23.12	22.90	23.44	24.70



N77 Receiver on&Hotspot on					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	11.18	11.14	11.61	12.05	12.10	11.72	12.70
		1	137	11.26	11.23	11.86	12.30	12.07	11.74	12.70
		1	271	11.09	10.73	11.29	11.85	12.38	11.58	12.70
		135	0	10.97	11.28	11.73	12.30	11.92	11.75	12.70
		135	69	11.68	11.84	12.12	12.14	12.06	12.35	12.70
		135	138	11.53	11.50	12.12	12.09	12.06	11.99	12.70
		270	0	11.03	11.19	11.26	11.92	12.34	11.51	12.70
	DFT-s-OFDM QPSK	1	1	11.04	10.71	11.27	11.86	12.26	11.63	12.70
		1	137	11.22	11.27	11.81	12.29	12.30	12.31	12.70
		1	271	11.18	11.21	11.80	12.26	12.09	11.77	12.70
		135	0	11.01	10.72	11.38	12.04	12.33	11.63	12.70
		135	69	11.07	11.19	11.79	12.40	12.05	11.66	12.70
		135	138	11.79	11.73	12.22	12.41	12.24	12.42	12.70
		270	0	11.55	11.52	12.14	11.92	12.12	12.15	12.70
	DFT-s-OFDM 16QAM	1	1	10.79	10.95	11.08	11.86	11.97	11.35	12.70
	DFT-s-OFDM 64QAM	1	1	10.93	11.06	11.27	11.90	12.23	11.44	12.70
	DFT-s-OFDM 256QAM	1	1	11.47	11.05	11.66	11.53	12.10	12.00	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	650000	652400	654800	657200	659600	662000	11.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	649668	652200	654734	657268	659800	662332	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	649334	652000	654668	657334	660000	662666	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	648668	651600	654534	657468	660400	663332	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	648334	651400	654468	657534	660600	663666	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	648000	651200	654400	657600	660800	664000	12.70
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	647334	650800	654268	657734	661200	664666	12.70



N77 Sensor on					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.09	652400	654800	657200	659600	662000	
		1	137	15.15	15.14	15.76	16.21	15.99	15.67	
		1	271	14.92	14.96	15.18	15.83	16.29	15.51	
		135	0	14.92	15.17	15.64	16.18	15.89	15.62	
		135	69	15.64	15.70	15.99	16.06	16.00	16.24	
		135	138	15.44	15.47	16.06	16.06	15.98	15.95	
		270	0	14.90	14.92	15.20	15.81	16.29	15.50	
	DFT-s-OFDM QPSK	1	1	14.97	14.91	15.16	15.79	16.18	15.53	
		1	137	15.11	15.20	15.57	16.16	16.03	16.22	
		1	271	15.14	15.15	15.74	16.21	16.06	15.71	
		135	0	14.91	14.89	15.32	15.95	16.27	15.56	
		135	69	14.99	15.12	15.67	16.34	15.98	15.60	
		135	138	15.70	15.63	16.08	15.99	16.39	16.43	
		270	0	15.46	15.42	16.01	15.86	16.02	16.06	
	DFT-s-OFDM 16QAM	1	1	14.74	14.76	14.97	15.74	15.89	15.33	
	DFT-s-OFDM 64QAM	1	1	14.86	14.94	15.18	15.78	16.12	15.38	
	DFT-s-OFDM 256QAM	1	1	15.39	14.95	15.57	16.38	16.00	15.89	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	650000	652400	654800	657200	659600	662000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	649668	652200	654734	657268	659800	662332	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	649334	652000	654668	657334	660000	662666	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	648668	651600	654534	657468	660400	663332	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	648334	651400	654468	657534	660600	663666	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	648000	651200	654400	657600	660800	664000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	647334	650800	654268	657734	661200	664666	
		1	1	15.53	15.05	15.69	16.00	16.20	16.35	16.70



N78(Class 3) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	18.58	/	19.20
		1	137	/	18.69	/	19.20
		1	271	/	18.22	/	19.20
		135	0	/	18.64	/	19.20
		135	69	/	18.88	/	19.20
		135	138	/	18.99	/	19.20
		270	0	/	18.29	/	19.20
	DFT-s-OFDM QPSK	1	1	/	18.30	/	19.20
		1	137	/	18.56	/	19.20
		1	271	/	18.64	/	19.20
		135	0	/	18.53	/	19.20
		135	69	/	18.60	/	19.20
		135	138	/	19.06	/	19.20
		270	0	/	18.98	/	19.20
	DFT-s-OFDM 16QAM	1	1	/	18.04	/	19.20
	DFT-s-OFDM 64QAM	1	1	/	18.36	/	19.20
	DFT-s-OFDM 256QAM	1	1	/	18.70	/	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	17.92	/	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	17.78	18.33	18.98	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	17.66	18.25	18.83	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	17.88	18.40	18.96	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	17.69	18.35	19.03	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	17.61	18.26	18.77	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	17.74	18.49	18.98	19.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	17.65	18.19	18.83	19.20



N78(Class 3) Sensor on&Hotspot on&Receiver on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	9.66	/	10.20
		1	137	/	9.82	/	10.20
		1	271	/	9.22	/	10.20
		135	0	/	9.66	/	10.20
		135	69	/	9.80	/	10.20
		135	138	/	10.10	/	10.20
		270	0	/	9.24	/	10.20
	DFT-s-OFDM QPSK	1	1	/	9.28	/	10.20
		1	137	/	9.64	/	10.20
		1	271	/	9.69	/	10.20
		135	0	/	9.46	/	10.20
		135	69	/	9.56	/	10.20
		135	138	/	10.06	/	10.20
		270	0	/	9.91	/	10.20
	DFT-s-OFDM 16QAM	1	1	/	9.10	/	10.20
	DFT-s-OFDM 64QAM	1	1	/	9.33	/	10.20
	DFT-s-OFDM 256QAM	1	1	/	9.68	/	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	7.63	/	9.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	9.10	9.77	10.04	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	8.96	9.72	9.89	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	8.98	9.79	10.02	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	9.11	9.82	10.06	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	9.02	9.74	9.95	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	9.07	9.83	9.97	10.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	9.07	9.69	9.88	10.20



N78(Class 2) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.23	/	22.20
		1	137	/	21.50	/	22.20
		1	271	/	21.19	/	22.20
		135	0	/	21.53	/	22.20
		135	69	/	21.96	/	22.20
		135	138	/	22.07	/	22.20
		270	0	/	20.96	/	22.20
	DFT-s-OFDM QPSK	1	1	/	21.09	/	22.20
		1	137	/	21.41	/	22.20
		1	271	/	21.36	/	22.20
		135	0	/	21.22	/	22.20
		135	69	/	21.38	/	22.20
		135	138	/	22.01	/	22.20
		270	0	/	21.89	/	22.20
	DFT-s-OFDM 16QAM	1	1	/	20.81	/	22.20
	DFT-s-OFDM 64QAM	1	1	/	21.06	/	22.20
	DFT-s-OFDM 256QAM	1	1	/	21.01	/	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.88	/	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	20.89	21.45	21.97	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	20.63	21.26	21.90	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	20.83	21.46	22.10	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	20.84	21.51	21.98	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	20.68	21.40	21.95	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	20.78	21.40	22.09	22.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	20.56	21.24	21.90	22.20



N78(Class 2) Sensor on&Hotspot on&Receiver on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	12.53	/	13.20
		1	137	/	12.81	/	13.20
		1	271	/	12.42	/	13.20
		135	0	/	12.83	/	13.20
		135	69	/	13.02	/	13.20
		135	138	/	13.06	/	13.20
		270	0	/	12.37	/	13.20
	DFT-s-OFDM QPSK	1	1	/	12.32	/	13.20
		1	137	/	13.02	/	13.20
		1	271	/	12.75	/	13.20
		135	0	/	12.67	/	13.20
		135	69	/	12.78	/	13.20
		135	138	/	13.09	/	13.20
		270	0	/	13.01	/	13.20
	DFT-s-OFDM 16QAM	1	1	/	12.24	/	13.20
	DFT-s-OFDM 64QAM	1	1	/	12.52	/	13.20
	DFT-s-OFDM 256QAM	1	1	/	12.78	/	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.75	/	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	12.06	12.62	13.09	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.87	12.41	13.02	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	12.08	12.62	13.13	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	12.07	12.65	13.13	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.95	12.59	12.93	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	12.11	12.68	13.12	13.20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.87	12.52	12.99	13.20

ANT13:

N77 Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.79	/	22.50
		1	137	/	21.08	/	22.50
		1	271	/	20.76	/	22.50
		135	0	/	20.80	/	22.50
		135	69	/	21.66	/	22.50
		135	138	/	21.52	/	22.50
		270	0	/	20.76	/	22.50
	DFT-s-OFDM QPSK	1	1	/	20.91	/	22.50
		1	137	/	21.26	/	22.50
		1	271	/	21.09	/	22.50
		135	0	/	20.87	/	22.50
		135	69	/	21.93	/	22.50
		135	138	/	21.93	/	22.50
		270	0	/	21.39	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	20.54	/	22.50
	DFT-s-OFDM 64QAM	1	1	/	21.53	/	22.50
	DFT-s-OFDM 256QAM	1	1	/	20.14	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	22.50
				21.18	21.18	20.93	



N77 Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.00	/	15.50
		1	137	/	13.97	/	15.50
		1	271	/	14.07	/	15.50
		135	0	/	14.03	/	15.50
		135	69	/	15.02	/	15.50
		135	138	/	14.72	/	15.50
		270	0	/	13.95	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.20	/	15.50
		1	137	/	14.65	/	15.50
		1	271	/	14.28	/	15.50
		135	0	/	14.10	/	15.50
		135	69	/	14.05	/	15.50
		135	138	/	14.95	/	15.50
		270	0	/	14.71	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	13.75	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	13.98	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	14.33	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	633000	633334	633668	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	15.50
				14.31	14.25	14.18	15.50



N77 Sensor on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.09	/	17.50
		1	137	/	16.03	/	17.50
		1	271	/	15.90	/	17.50
		135	0	/	16.18	/	17.50
		135	69	/	16.72	/	17.50
		135	138	/	16.73	/	17.50
		270	0	/	16.02	/	17.50
	DFT-s-OFDM QPSK	1	1	/	16.14	/	17.50
		1	137	/	16.30	/	17.50
		1	271	/	16.29	/	17.50
		135	0	/	16.01	/	17.50
		135	69	/	16.79	/	17.50
		135	138	/	16.78	/	17.50
		270	0	/	16.55	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	15.91	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.03	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.34	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.65	/	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.16	16.16	16.44	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	15.95	16.33	16.28	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	16.01	16.16	16.46	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.80	16.35	16.36	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	16.18	16.08	16.33	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.88	16.20	16.27	17.50



N77 Full power					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.85	21.19	21.32	21.12	21.09	21.26	22.50
		1	137	21.00	21.18	21.34	21.13	21.08	20.80	22.50
		1	271	20.87	20.73	21.00	21.17	21.19	20.64	22.50
		135	0	20.86	21.19	21.28	21.11	21.11	20.62	22.50
		135	69	21.74	21.81	22.06	21.73	21.61	21.61	22.50
		135	138	21.42	21.53	21.40	21.60	21.52	21.19	22.50
		270	0	20.81	20.74	20.94	20.90	20.92	20.61	22.50
	DFT-s-OFDM QPSK	1	1	20.83	20.79	20.98	21.09	21.11	21.12	22.50
		1	137	20.99	21.20	21.42	21.23	21.17	21.13	22.50
		1	271	20.99	21.19	21.36	21.22	21.15	20.79	22.50
		135	0	20.81	20.77	21.06	21.11	21.12	20.60	22.50
		135	69	20.94	21.20	21.30	21.12	21.10	20.68	22.50
		135	138	21.85	21.85	22.15	21.85	21.76	21.59	22.50
		270	0	21.66	21.57	21.40	21.60	21.56	21.28	22.50
	DFT-s-OFDM 16QAM	1	1	21.49	21.50	21.87	21.89	21.90	21.22	22.50
	DFT-s-OFDM 64QAM	1	1	21.58	21.46	21.80	21.80	21.69	21.37	22.50
	DFT-s-OFDM 256QAM	1	1	20.07	20.01	20.29	20.34	20.35	19.87	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	19.70	19.62	19.93	19.94	19.86	19.65	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	20.81	20.81	21.01	21.06	21.05	21.00	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	20.85	21.23	20.94	21.02	21.10	21.17	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	20.83	21.23	20.96	20.99	20.98	21.27	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.12	21.30	20.95	20.98	21.12	21.24	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	20.85	20.82	20.91	20.96	21.16	21.27	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654268	Channel 657734	Channel 661200	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.27	21.23	21.04	21.02	21.03	21.18	22.50



N77 Receiver on&Hotspot on					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.07	14.27	14.66	14.41	14.28	13.96	15.50
		1	137	14.07	14.44	14.54	14.53	14.28	14.14	15.50
		1	271	13.96	14.04	14.33	14.28	14.27	13.80	15.50
		135	0	14.14	14.45	14.63	14.43	14.24	14.02	15.50
		135	69	14.92	14.96	15.19	15.21	15.11	14.67	15.50
		135	138	14.64	14.82	14.87	14.95	14.90	14.35	15.50
		270	0	14.04	14.15	14.31	14.34	14.32	13.93	15.50
	DFT-s-OFDM QPSK	1	1	14.11	14.03	14.38	14.38	14.37	13.98	15.50
		1	137	14.21	14.33	14.70	14.59	14.56	14.04	15.50
		1	271	14.19	14.30	14.62	14.50	14.30	14.02	15.50
		135	0	14.04	14.02	14.25	14.34	14.33	13.88	15.50
		135	69	14.14	14.46	14.65	14.45	14.26	14.04	15.50
		135	138	14.85	14.95	15.26	15.25	15.25	14.66	15.50
		270	0	15.01	14.73	14.94	15.00	14.98	15.01	15.50
	DFT-s-OFDM 16QAM	1	1	13.81	14.26	14.16	14.09	14.12	14.22	15.50
	DFT-s-OFDM 64QAM	1	1	13.90	13.92	14.13	14.27	14.14	14.28	15.50
	DFT-s-OFDM 256QAM	1	1	14.43	14.43	14.78	14.73	14.73	14.38	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	12.71	12.71	12.99	12.25	12.80	12.45	13.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	14.04	14.00	14.27	14.25	14.39	14.03	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	14.12	13.92	14.41	14.33	14.27	13.99	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	14.00	14.04	14.32	14.36	14.25	13.92	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	13.98	14.12	14.32	14.39	14.41	14.00	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	14.05	14.03	14.38	14.33	14.23	14.01	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654268	Channel 657734	Channel 661200	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	14.09	14.12	14.38	14.32	14.40	13.93	15.50



N77 Sensor on					Conducted Power(dBm)					
SCS 30kHz										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.20	652400	654800	657200	659600	662000	
		1	137	16.14	652400	654800	657200	659600	662000	
		1	271	16.01	652400	654800	657200	659600	662000	
		135	0	16.10	652400	654800	657200	659600	662000	
		135	69	16.79	652400	654800	657200	659600	662000	
		135	138	16.68	652400	654800	657200	659600	662000	
		270	0	16.09	652400	654800	657200	659600	662000	
	DFT-s-OFDM QPSK	1	1	16.06	652400	654800	657200	659600	662000	
		1	137	16.20	652400	654800	657200	659600	662000	
		1	271	16.21	652400	654800	657200	659600	662000	
		135	0	16.07	652400	654800	657200	659600	662000	
		135	69	16.19	652400	654800	657200	659600	662000	
		135	138	16.89	652400	654800	657200	659600	662000	
		270	0	16.66	652400	654800	657200	659600	662000	
	DFT-s-OFDM 16QAM	1	1	15.85	652400	654800	657200	659600	662000	
	DFT-s-OFDM 64QAM	1	1	15.92	652400	654800	657200	659600	662000	
	DFT-s-OFDM 256QAM	1	1	16.42	652400	654800	657200	659600	662000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	650000	652400	654800	657200	659600	662000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	649668	652200	654734	657268	659800	662332	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	649334	652000	654668	657334	660000	662666	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	648668	651600	654534	657468	660400	663332	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	648334	651400	654468	657534	660600	663666	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	648000	651200	654400	657600	660800	664000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	647334	650800	654268	657734	661200	664666	
20MHz	DFT-s-OFDM QPSK	1	1	16.12	15.98	16.29	16.36	16.39	15.82	17.50



N78(Class 3) Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	8.81	/	10.00
		1	137	/	9.00	/	10.00
		1	271	/	8.48	/	10.00
		135	0	/	9.01	/	10.00
		135	69	/	9.45	/	10.00
		135	138	/	9.44	/	10.00
		270	0	/	8.65	/	10.00
	DFT-s-OFDM QPSK	1	1	/	8.71	/	10.00
		1	137	/	8.78	/	10.00
		1	271	/	8.84	/	10.00
		135	0	/	8.87	/	10.00
		135	69	/	8.94	/	10.00
		135	138	/	9.70	/	10.00
		270	0	/	9.36	/	10.00
	DFT-s-OFDM 16QAM	1	1	/	8.44	/	10.00
	DFT-s-OFDM 64QAM	1	1	/	8.77	/	10.00
	DFT-s-OFDM 256QAM	1	1	/	9.18	/	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	6.95	/	7.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	8.69	8.89	8.90	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	8.51	8.83	8.78	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	8.69	8.90	8.95	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	8.65	8.90	8.89	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	8.52	8.77	8.83	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	8.70	8.92	8.94	10.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	8.49	8.71	8.80	10.00



N78(Class 3) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.53	/	18.00
		1	137	/	16.71	/	18.00
		1	271	/	16.40	/	18.00
		135	0	/	16.73	/	18.00
		135	69	/	17.39	/	18.00
		135	138	/	17.33	/	18.00
		270	0	/	16.44	/	18.00
	DFT-s-OFDM QPSK	1	1	/	16.56	/	18.00
		1	137	/	16.64	/	18.00
		1	271	/	16.61	/	18.00
		135	0	/	16.71	/	18.00
		135	69	/	16.68	/	18.00
		135	138	/	17.53	/	18.00
		270	0	/	17.16	/	18.00
	DFT-s-OFDM 16QAM	1	1	/	16.38	/	18.00
	DFT-s-OFDM 64QAM	1	1	/	16.54	/	18.00
	DFT-s-OFDM 256QAM	1	1	/	16.94	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.95	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.52	16.60	16.60	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	16.48	16.44	16.57	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	16.45	16.66	16.69	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	16.45	16.69	16.56	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	16.41	16.42	16.53	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	16.60	16.68	16.48	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	16.34	16.67	16.56	18.00



N78(Class 3) Sensor on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.81	/	13.00
		1	137	/	12.00	/	13.00
		1	271	/	11.48	/	13.00
		135	0	/	12.01	/	13.00
		135	69	/	12.45	/	13.00
		135	138	/	12.44	/	13.00
		270	0	/	11.65	/	13.00
	DFT-s-OFDM QPSK	1	1	/	11.71	/	13.00
		1	137	/	11.78	/	13.00
		1	271	/	11.84	/	13.00
		135	0	/	11.87	/	13.00
		135	69	/	11.94	/	13.00
		135	138	/	12.70	/	13.00
		270	0	/	12.36	/	13.00
	DFT-s-OFDM 16QAM	1	1	/	11.44	/	13.00
	DFT-s-OFDM 64QAM	1	1	/	11.77	/	13.00
	DFT-s-OFDM 256QAM	1	1	/	12.18	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	9.95	/	10.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.69	11.89	11.90	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.51	11.83	11.78	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.69	11.90	11.95	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.65	11.90	11.89	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.52	11.77	11.83	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	11.70	11.92	11.94	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.49	11.71	11.80	13.00



N78(Class 2) Receiver on&Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.82	/	13.00
		1	137	/	12.13	/	13.00
		1	271	/	11.79	/	13.00
		135	0	/	12.05	/	13.00
		135	69	/	12.45	/	13.00
		135	138	/	12.61	/	13.00
		270	0	/	11.70	/	13.00
	DFT-s-OFDM QPSK	1	1	/	11.77	/	13.00
		1	137	/	12.01	/	13.00
		1	271	/	11.92	/	13.00
		135	0	/	11.88	/	13.00
		135	69	/	11.90	/	13.00
		135	138	/	12.76	/	13.00
		270	0	/	12.40	/	13.00
	DFT-s-OFDM 16QAM	1	1	/	11.46	/	13.00
	DFT-s-OFDM 64QAM	1	1	/	11.75	/	13.00
	DFT-s-OFDM 256QAM	1	1	/	12.31	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	11.81	/	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	11.63	11.96	11.96	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	11.58	11.68	11.70	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	11.81	11.91	11.83	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	11.74	11.95	11.84	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	11.56	11.85	11.78	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	11.58	11.90	11.86	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	11.55	11.77	11.67	13.00



N78(Class 2) Full power				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.58	/	21.00
		1	137	/	19.90	/	21.00
		1	271	/	19.48	/	21.00
		135	0	/	19.90	/	21.00
		135	69	/	20.09	/	21.00
		135	138	/	20.36	/	21.00
		270	0	/	19.43	/	21.00
	DFT-s-OFDM QPSK	1	1	/	19.49	/	21.00
		1	137	/	19.76	/	21.00
		1	271	/	19.73	/	21.00
		135	0	/	19.71	/	21.00
		135	69	/	19.77	/	21.00
		135	138	/	20.32	/	21.00
		270	0	/	20.11	/	21.00
	DFT-s-OFDM 16QAM	1	1	/	19.30	/	21.00
	DFT-s-OFDM 64QAM	1	1	/	19.46	/	21.00
	DFT-s-OFDM 256QAM	1	1	/	19.42	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	19.64	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	19.58	19.76	19.24	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	19.38	19.56	19.16	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	19.67	19.69	19.18	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	19.70	19.75	19.20	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	19.52	19.69	19.52	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	19.55	19.80	19.14	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	19.36	19.62	19.36	21.00



N78(Class 2) Sensor on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.82	/	16.00
		1	137	/	15.13	/	16.00
		1	271	/	14.79	/	16.00
		135	0	/	15.05	/	16.00
		135	69	/	15.45	/	16.00
		135	138	/	15.61	/	16.00
		270	0	/	14.70	/	16.00
	DFT-s-OFDM QPSK	1	1	/	14.77	/	16.00
		1	137	/	14.89	/	16.00
		1	271	/	14.92	/	16.00
		135	0	/	14.88	/	16.00
		135	69	/	14.90	/	16.00
		135	138	/	15.76	/	16.00
		270	0	/	15.40	/	16.00
	DFT-s-OFDM 16QAM	1	1	/	14.46	/	16.00
	DFT-s-OFDM 64QAM	1	1	/	14.75	/	16.00
	DFT-s-OFDM 256QAM	1	1	/	15.31	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.81	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	14.63	14.96	14.96	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.58	14.68	14.70	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.81	14.91	14.83	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	14.74	14.95	14.84	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	14.56	14.85	14.78	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	14.58	14.90	14.86	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	14.55	14.77	14.67	16.00

13 Conducted Power of UL and DL CA

(1) Uplink CA:

CA_7C:

Ant 2																
Combination	Modulation	PCC						SCC					Ful power		sensor on&Hotspot	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	23.68	25.50	18.89	20.00
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	23.55	25.50	18.74	20.00
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	23.61	25.50	18.88	20.00
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	23.74	25.50	18.80	20.00

Ant 4																		
Combination	Modulation	PCC						SCC					Ful power		Serson on		Receiver on&Hotspot	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	23.25	24.80	22.15	23.80	13.78	15.80
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	23.15	24.80	22.02	23.80	13.81	15.80
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	23.11	24.80	22.19	23.80	13.85	15.80
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	23.15	24.80	22.10	23.80	13.90	15.80

Ant 5																				
Combination	Modulation	PCC						SCC					Ful power		Serson on		Receiver on&Hotspot		Serson Off	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	23.01	25.20	17.10	19.20	12.15	14.20	21.18	23.20
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	23.21	25.20	17.15	19.20	12.30	14.20	21.10	23.20
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	23.15	25.20	17.20	19.20	12.25	14.20	21.21	23.20
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	23.50	25.20	17.21	19.20	12.35	14.20	21.19	23.20

Ant 8																		
Combination	Modulation	PCC						SCC					Ful power		Serson off		Receiver on&Hotspot	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_7C	QPSK	7	20	20850	1	99	2850	7	20	21048	1	0	24.01	25.50	20.14	21.50	12.35	14.00
CA_7C	QPSK	7	20	21100	1	99	3100	7	20	21298	1	0	24.12	25.50	20.10	21.50	12.21	14.00
CA_7C	QPSK	7	20	21100	1	0	3100	7	20	20902	1	99	24.20	25.50	20.16	21.50	12.30	14.00
CA_7C	QPSK	7	20	21350	1	0	3350	7	20	21152	1	99	24.12	25.50	20.21	21.50	12.40	14.00



CA_38C:

Ant 2																		
Combination	Modulation	PCC						SCC					Ful power		sensor on		Hotspot on	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Power	Tune-up(dBm)	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048	1	0	23.65	25.50	21.45	23.50	21.45	22.50
CA_38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0	23.45	25.50	21.55	23.50	21.33	22.50
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99	23.70	25.50	21.35	23.50	21.51	22.50
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	23.69	25.50	21.40	23.50	21.36	22.50

Ant 4																
Combination	Modulation	PCC						SCC					Full Power		Receiver on&Hotspot	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Power
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048	1	0	23.05	24.80	18.05	19.80
CA_38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0	23.10	24.80	18.19	19.80
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99	23.05	24.80	18.05	19.80
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	23.15	24.80	18.10	19.80

Ant 5																		
Combination	Modulation	PCC						SCC					Full Power		Serson on		Receiver on&Hotspot	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Power	Tune-up(dBm)	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048	1	0	23.54	25.20	20.65	22.20	13.71	15.70
CA_38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0	23.44	25.20	20.44	22.20	13.72	15.70
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99	23.56	25.20	20.35	22.20	13.79	15.70
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99	23.60	25.20	20.41	22.20	13.80	15.70

Ant 8																		
Combination	Modulation	PCC						SCC					Full Power		Serson off		Receiver on&Hotspot	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Power	Tune-up(dBm)	Tune-up(dBm)
CA_38C	QPSK	38	20	37850	1	99	37850	38	20	38048	1	0		25.50	23.04	24.50	15.35	17.00
CA_38C	QPSK	38	20	37901	1	99	37901	38	20	38099	1	0		25.50	23.06	24.50	15.40	17.00
CA_38C	QPSK	38	20	38099	1	0	38099	38	20	37901	1	99		25.50	23.07	24.50	15.36	17.00
CA_38C	QPSK	38	20	38150	1	0	38150	38	20	37952	1	99		25.50	23.02	24.50	15.45	17.00



CA_41C:

Ant 2														
Combination	Modulation	PCC						SCC					Full Power	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	39750	41	20	39948	1	0	23.52	24.00
CA_41C	QPSK	41	20	40185	1	99	40185	41	20	40383	1	0	23.70	24.00
CA_41C	QPSK	41	20	40620	1	99	40620	41	20	40818	1	0	23.62	24.00
CA_41C	QPSK	41	20	41055	1	99	41055	41	20	40857	1	0	23.56	24.00
CA_41C	QPSK	41	20	41490	1	99	41490	41	20	41292	1	0	23.41	24.00
CA_41C	QPSK	41	20	39750	1	0	39750	41	20	39948	1	99	23.60	24.00
CA_41C	QPSK	41	20	40185	1	0	40185	41	20	40383	1	99	23.41	24.00
CA_41C	QPSK	41	20	40620	1	0	40620	41	20	40818	1	99	23.35	24.00
CA_41C	QPSK	41	20	41055	1	0	41055	41	20	40857	1	99	23.41	24.00
CA_41C	QPSK	41	20	41490	1	0	41490	41	20	41292	1	99	23.55	24.00

Ant 4																
Combination	Modulation	PCC						SCC					Full Power		Serson on	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	39750	41	20	39948	1	0	23.05	23.30	19.10	19.30
CA_41C	QPSK	41	20	40185	1	99	40185	41	20	40383	1	0	23.09	23.30	19.05	19.30
CA_41C	QPSK	41	20	40620	1	99	40620	41	20	40818	1	0	23.19	23.30	19.21	19.30
CA_41C	QPSK	41	20	41055	1	99	41055	41	20	40857	1	0	22.98	23.30	19.18	19.30
CA_41C	QPSK	41	20	41490	1	99	41490	41	20	41292	1	0	23.11	23.30	19.20	19.30
CA_41C	QPSK	41	20	39750	1	0	39750	41	20	39948	1	99	23.05	23.30	19.08	19.30
CA_41C	QPSK	41	20	40185	1	0	40185	41	20	40383	1	99	23.14	23.30	19.06	19.30
CA_41C	QPSK	41	20	40620	1	0	40620	41	20	40818	1	99	23.16	23.30	19.21	19.30
CA_41C	QPSK	41	20	41055	1	0	41055	41	20	40857	1	99	22.99	23.30	19.23	19.30
CA_41C	QPSK	41	20	41490	1	0	41490	41	20	41292	1	99	23.04	23.30	19.14	19.30

Ant 5																
Combination	Modulation	PCC						SCC					Full Power		Full Power	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	39750	41	20	39948	1	0	22.12	23.70	21.84	22.70
CA_41C	QPSK	41	20	40185	1	99	40185	41	20	40383	1	0	22.25	23.70	21.86	22.70
CA_41C	QPSK	41	20	40620	1	99	40620	41	20	40818	1	0	22.16	23.70	21.75	22.70
CA_41C	QPSK	41	20	41055	1	99	41055	41	20	40857	1	0	22.17	23.70	21.91	22.70
CA_41C	QPSK	41	20	41490	1	99	41490	41	20	41292	1	0	22.35	23.70	21.56	22.70
CA_41C	QPSK	41	20	39750	1	0	39750	41	20	39948	1	99	22.16	23.70	21.45	22.70
CA_41C	QPSK	41	20	40185	1	0	40185	41	20	40383	1	99	22.20	23.70	21.65	22.70
CA_41C	QPSK	41	20	40620	1	0	40620	41	20	40818	1	99	22.18	23.70	21.55	22.70
CA_41C	QPSK	41	20	41055	1	0	41055	41	20	40857	1	99	22.10	23.70	21.86	22.70
CA_41C	QPSK	41	20	41490	1	0	41490	41	20	41292	1	99	22.16	23.70	21.84	22.70



Ant 8																
Combination	Modulation	PCC						SCC					Full Power		Receiver on&Hotspot	
		Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	DL Channel	Band	BW (MHz)	UL Channel	UL# RB	UL RB Offset	Power	Tune-up(dBm)	Power	Tune-up(dBm)
CA_41C	QPSK	41	20	39750	1	99	39750	41	20	39948	1	0	23.65	24.00	16.85	17.00
CA_41C	QPSK	41	20	40185	1	99	40185	41	20	40383	1	0	23.44	24.00	16.74	17.00
CA_41C	QPSK	41	20	40620	1	99	40620	41	20	40818	1	0	23.85	24.00	16.85	17.00
CA_41C	QPSK	41	20	41055	1	99	41055	41	20	40857	1	0	23.74	24.00	16.50	17.00
CA_41C	QPSK	41	20	41490	1	99	41490	41	20	41292	1	0	23.65	24.00	16.74	17.00
CA_41C	QPSK	41	20	39750	1	0	39750	41	20	39948	1	99	23.45	24.00	16.65	17.00
CA_41C	QPSK	41	20	40185	1	0	40185	41	20	40383	1	99	23.71	24.00	16.41	17.00
CA_41C	QPSK	41	20	40620	1	0	40620	41	20	40818	1	99	23.65	24.00	16.56	17.00
CA_41C	QPSK	41	20	41055	1	0	41055	41	20	40857	1	99	23.41	24.00	16.55	17.00
CA_41C	QPSK	41	20	41490	1	0	41490	41	20	41292	1	99	23.55	24.00	16.41	17.00

(2) Downlink CA:

1 Band / 2CC	2 Bands / 2CC	2 Bands / 3CC	2 Bands / 4CC	3 Bands / 3CC	3 Bands / 4CC
CA_2C					
	CA_2A-4A			CA_2A-4A-5A	
	CA_2A-5A			CA_2A-4A-5A	
	CA_2A-7A	CA_2A-7A-7A			
	CA_4A-5A			CA_2A-4A-5A	
	CA_4A-7A			CA_2A-4A-7A	
	CA_5A-7A			CA_5A-7A-66A	CA_5A-7A-66A-66A
	CA_5A-66A	CA_5A-66A-66A			CA_5A-7A-66A-66A
CA_7A-7A		CA_5A-7A-7A			
CA_7C		CA_4A-7C			CA_2A-4A-7C
		CA_2A-7C			CA_2A-4A-7C
	CA_7A-42A				
	CA_12A-66A	CA_12A-66A-66A			
CA_38C					
CA_41A-41A					
CA_41C					
CA_66A-66A		CA_5A-66A-66A			CA_5A-7A-66A-66A
	CA_7A-66A	CA_7A-66A-66A			CA_5A-7A-66A-66A
	CA_2A-66A				
CA_38A-38A					
		CA_5A-7C			CA_5A-7C-66A
		CA_7C-66A	CA_7C-66A-66A		



DL LTE CA Class	Full Power																						
	PCC								SCC1				SCC2				SCC3				Power(dBm)		
	LTE Band	Ant	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune- up
CA_2C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	/	/	/	/	23.51	23.57	25.50
CA_38C	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	23.55	23.61	25.50
CA_38C	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	22.95	23.01	24.80
CA_38C	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	23.35	23.41	25.20
CA_38C	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2599.8	38048	/	/	/	/	/	/	/	/	23.55	23.60	25.50
CA_41C	Band 41	2	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	23.37	23.44	24.00
CA_41C	Band 41	4	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	22.87	22.95	23.30
CA_41C	Band 41	5	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	23.01	23.05	23.70
CA_41C	Band 41	8	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	23.49	23.57	24.00
CA_38A-38A	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	23.53	23.60	25.50
CA_38A-38A	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	23.94	23.02	24.80
CA_38A-38A	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	23.37	23.40	25.20
CA_38A-38A	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2610	38150	/	/	/	/	/	/	/	/	23.51	23.57	25.50
CA_41A-41A	Band 41	2	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	23.35	23.42	24.00
CA_41A-41A	Band 41	4	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	22.87	22.94	23.30
CA_41A-41A	Band 41	5	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	22.98	23.04	23.70
CA_41A-41A	Band 41	8	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	23.46	23.54	24.00
CA_2A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	23.38	23.46	25.20
CA_2A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	23.68	23.73	25.50
CA_7A-42A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	23.76	23.81	25.50
CA_7A-42A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	23.04	23.11	24.80
CA_7A-42A	Band 42	6	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	21.74	21.81	23.00
CA_7A-42A	Band 42	11	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	22.56	22.63	24.00
CA_2A-7A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	23.52	23.58	25.50
CA_2A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	23.24	23.30	25.20
CA_2A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	23.54	23.61	25.50
CA_5A-7A-7A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	23.76	23.80	25.50
CA_5A-7A-7A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	23.11	23.15	25.00
CA_5A-7A-7A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	23.77	23.80	25.50
CA_5A-7A-7A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	23.03	23.12	24.80
CA_5A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	23.24	23.29	25.20
CA_5A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	23.55	23.61	25.50
CA_12A-66A-66A	Band 12	1	10M	QPSK	711	23130	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	23.85	23.91	25.50
CA_12A-66A-66A	Band 12	3	10M	QPSK	711	20600	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	23.24	23.30	25.00
CA_12A-66A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	23.38	23.47	25.20
CA_12A-66A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	23.66	23.72	25.50
CA_7C-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	23.22	23.28	25.20
CA_7C-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	23.53	23.60	25.50
CA_7C-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.64	23.71	25.50
CA_7C-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	22.97	23.06	24.80
CA_2A-4A-5A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	/	/	/	/	23.51	23.56	25.50
CA_2A-4A-5A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	23.26	23.32	25.20
CA_2A-4A-5A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	23.76	23.85	25.50
CA_2A-4A-5A	Band 5	1	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	23.75	23.80	25.50
CA_2A-4A-5A	Band 5	3	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	23.10	23.14	25.00
CA_2A-4A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	/	/	/	/	23.51	23.53	25.50
CA_2A-4A-7A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	23.24	23.31	25.20
CA_2A-4A-7A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	23.75	23.84	25.50
CA_2A-4A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	23.22	23.29	25.20



CA_2A-4A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	23.54	23.61	25.50
CA_5A-7A-66A-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	23.73	23.79	25.50
CA_5A-7A-66A-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	23.08	23.15	25.00
CA_5A-7A-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	23.21	23.30	25.20
CA_5A-7A-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	23.52	23.60	25.50
CA_5A-7A-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	23.64	23.70	25.50
CA_5A-7A-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	22.95	23.05	24.80
CA_5A-7C-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	23.72	23.78	25.50
CA_5A-7C-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	23.05	23.13	25.00
CA_5A-7C-66A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	23.72	23.79	25.50
CA_5A-7C-66A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	23.01	23.11	24.80
CA_5A-7C-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	23.35	23.45	25.20
CA_5A-7C-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	23.64	23.71	25.50
CA_2A-4A-7C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.50	23.55	25.50
CA_2A-4A-7C	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.21	23.30	25.20
CA_2A-4A-7C	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	23.71	23.82	25.50
CA_2A-4A-7C	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	23.21	23.27	25.20
CA_2A-4A-7C	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	23.52	23.60	25.50

Receiver off																							
DL LTE CA Class	PCC								SCC1				SCC2				SCC3				Power(dBm)		
	LTE Band	Ant	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_2C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	/	/	/	/	/	/	/
CA_38C	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	/	/	/
CA_38C	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	/	/	/
CA_38C	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	/	/	/
CA_38C	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2599.8	38048	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	2	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	4	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	5	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	8	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_38A-38A	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	/	/	/
CA_38A-38A	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	/	/	/
CA_38A-38A	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	/	/	/
CA_38A-38A	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2610	38150	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	2	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	4	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	5	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	8	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_2A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	/	/	/
CA_2A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 42	6	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 42	11	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	/	/	/
CA_2A-7A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/
CA_2A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/
CA_2A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/



CA_5A-7A-7A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	
CA_5A-7A-7A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	
CA_5A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	
CA_5A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	
CA_12A-66A-66A	Band 12	1	10M	QPSK	711	23130	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/	
CA_12A-66A-66A	Band 12	3	10M	QPSK	711	20600	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/	
CA_12A-66A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	/	/	/	
CA_12A-66A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	/	/	/	
CA_7C-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	
CA_7C-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	
CA_7C-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	
CA_7C-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	
CA_2A-4A-5A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	
CA_2A-4A-5A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	
CA_2A-4A-5A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	
CA_2A-4A-5A	Band 5	1	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	/	/	/	
CA_2A-4A-5A	Band 5	3	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	/	21.85	21.93	23.50
CA_2A-4A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/	/
CA_5A-7A-66A-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/
CA_5A-7A-66A-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	21.85	21.93	23.50	
CA_5A-7A-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	/	/	/	/
CA_5A-7A-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	/	/	/	/
CA_5A-7A-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	/	/	/	/
CA_5A-7A-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	/	/	/	/
CA_5A-7C-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	/	/	/	/
CA_5A-7C-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	21.85	21.93	23.50	
CA_5A-7C-66A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	/	/	/	/
CA_5A-7C-66A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	/	/	/	/
CA_5A-7C-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	/	/	/	/
CA_5A-7C-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	/	/	/	/
CA_2A-4A-7C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	/
CA_2A-4A-7C	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	/
CA_2A-4A-7C	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	/
CA_2A-4A-7C	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/
CA_2A-4A-7C	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/



DL LTE CA Class	Receiver on																						
	PCC								SCC1				SCC2				SCC3				Power(dBm)		
	LTE Band	Ant	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune- up
CA_2C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	/	/	/	/	/	/	/
CA_38C	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	/	/	/
CA_38C	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	17.85	17.95	19.80
CA_38C	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	13.65	13.79	15.70
CA_38C	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2599.8	38048	/	/	/	/	/	/	/	/	15.41	15.46	17.00
CA_41C	Band 41	2	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	4	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	19.05	19.09	19.30
CA_41C	Band 41	5	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	16.35	16.40	16.70
CA_41C	Band 41	8	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	16.72	16.76	17.00
CA_38A-38A	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	/	/	/
CA_38A-38A	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	17.85	17.95	19.80
CA_38A-38A	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	13.65	13.79	15.70
CA_38A-38A	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2610	38150	/	/	/	/	/	/	/	/	15.35	15.46	17.00
CA_41A-41A	Band 41	2	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	4	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	19.05	19.19	19.30
CA_41A-41A	Band 41	5	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	16.35	16.46	16.70
CA_41A-41A	Band 41	8	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	16.74	16.87	17.00
CA_2A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	15.31	15.35	17.20
CA_2A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	14.86	14.91	16.50
CA_7A-42A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	13.75	13.87	15.80
CA_7A-42A	Band 42	6	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	18.86	18.91	20.00
CA_7A-42A	Band 42	11	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	21.89	21.96	23.00
CA_2A-7A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/
CA_2A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	12.30	12.34	14.20
CA_2A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	12.15	12.17	14.00
CA_5A-7A-7A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	17.20	17.27	19.00
CA_5A-7A-7A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	13.75	13.87	15.80
CA_5A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	12.31	12.34	14.20
CA_5A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	12.16	12.17	14.00
CA_12A-66A-66A	Band 12	1	10M	QPSK	711	23130	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 12	3	10M	QPSK	711	20600	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	17.20	17.27	19.00
CA_12A-66A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	15.31	15.35	17.20
CA_12A-66A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	14.85	14.91	16.50
CA_7C-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	21.30	12.34	14.20
CA_7C-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	12.16	12.17	14.00
CA_7C-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/
CA_7C-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	15.23	15.27	16.80
CA_2A-4A-5A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	/	/	/	/	/	/	/
CA_2A-4A-5A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	16.39	16.49	18.20

[illegible]



CA_41A-41A	Band 41	5	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	8	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/	/
CA_2A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	/	/	/	/
CA_2A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 42	6	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 42	11	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	/	/	/	/
CA_2A-7A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/
CA_2A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	21.31	21.36	23.20
CA_2A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	19.75	19.78	21.50
CA_5A-7A-7A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 2	20M	2680	3350	/	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 5	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 7	10M	881.5	2525	/	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	21.30	21.36	23.20
CA_5A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	19.75	19.78	21.50
CA_12A-66A-66A	Band 12	1	10M	QPSK	711	23130	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 12	3	10M	QPSK	711	20600	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	/	/	/	/
CA_7C-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	21.30	21.36	23.20	
CA_7C-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	19.74	19.78	21.50	
CA_7C-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 7	20M	2170	67036	Band 66	20M	2630	2850	20M	2649.8	3048	/	/	/	/	
CA_7C-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	20M	2649.8	3048	/	/	/	/	
CA_2A-4A-5A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/
CA_2A-4A-5A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	/	/	/	/
CA_2A-4A-5A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 4	20M	1960	900	Band 2	10M	881.5	2525	/	/	/	/	/	/	/	/
CA_2A-4A-5A	Band 5	1	10M	QPSK	844	20600	1	0	Band 5	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	/	/	/	/
CA_2A-4A-5A	Band 5	3	10M	QPSK	844	20600	1	0	Band 5	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 4	20M	2655	3100	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	/	21.25	21.36	23.20
CA_2A-4A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	/	19.65	19.78	21.50
CA_5A-7A-66A-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/
CA_5A-7A-66A-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/
CA_5A-7A-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	21.25	21.36	23.20	
CA_5A-7A-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	19.74	19.78	21.50	
CA_5A-7A-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	/	/	/	/
CA_5A-7A-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	/	/	/	/
CA_5A-7C-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	/	/	/	/
CA_5A-7C-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	/	/	/	/
CA_5A-7C-66A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	/	/	/	/
CA_5A-7C-66A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	/	/	/	/
CA_5A-7C-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	/	/	/	/
CA_5A-7C-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	/	/	/	/
CA_2A-4A-7C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	/
CA_2A-4A-7C	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	/
CA_2A-4A-7C	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/	/
CA_2A-4A-7C	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	21.30	21.36	23.20	
CA_2A-4A-7C	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	19.74	19.78	21.50	



Sensor on																							
DL LTE CA Class	PCC								SCC1				SCC2				SCC3				Power(dBm)		
	LTE Band	Ant	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_2C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	/	/	/	/	21.45	21.55	22.50
CA_38C	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	21.46	21.55	23.50
CA_38C	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	/	/	/
CA_38C	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	20.40	20.41	22.20
CA_38C	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2599.8	38048	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	2	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	4	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	5	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	22.21	22.26	22.70
CA_41C	Band 41	8	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_38A-38A	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	21.35	21.55	23.50
CA_38A-38A	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	/	/	/
CA_38A-38A	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	20.36	20.41	22.20
CA_38A-38A	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2610	38150	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	2	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	4	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	5	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	22.23	22.31	22.70
CA_41A-41A	Band 41	8	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_2A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	21.00	21.02	22.70
CA_2A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	/	/	/
CA_7A-42A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	18.45	18.54	20.00
CA_7A-42A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	22.00	22.02	23.80
CA_7A-42A	Band 42	6	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	18.86	18.91	20.00
CA_7A-42A	Band 42	11	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	18.65	18.77	20.00
CA_2A-7A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	21.51	21.55	22.50
CA_2A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	17.28	17.30	19.20
CA_2A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	18.45	18.54	20.00
CA_5A-7A-7A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	22.00	22.02	23.80
CA_5A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	17.28	17.30	19.20
CA_5A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 12	1	10M	QPSK	711	23130	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 12	3	10M	QPSK	711	20600	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	21.00	21.02	22.70
CA_12A-66A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	/	/	/
CA_7C-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	17.24	17.30	19.20
CA_7C-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/
CA_7C-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	21.65	21.73	23.50
CA_7C-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	22.12	22.22	23.80
CA_2A-4A-5A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	/	/	/	/	21.35	21.55	22.50
CA_2A-4A-5A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	21.61	21.65	23.20
CA_2A-4A-5A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	/	/	/
CA_2A-4A-5A	Band 5	1	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	/	/	/
CA_2A-4A-5A	Band 5	3	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	/	/	/	/	21.41	21.55	22.50
CA_2A-4A-7A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	21.55	21.65	23.20
CA_2A-4A-7A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	17.30	17.30	19.20



CA_2A-4A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	/	/	/
CA_5A-7A-66A-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/
CA_5A-7A-66A-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/
CA_5A-7A-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	17.21	17.30	19.20
CA_5A-7A-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	/	/	/
CA_5A-7A-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	21.71	21.73	23.50
CA_5A-7A-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	22.12	22.22	23.80
CA_5A-7C-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	/	/	/
CA_5A-7C-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	/	/	/
CA_5A-7C-66A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	18.35	18.54	20.00
CA_5A-7C-66A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	21.98	22.02	23.80
CA_5A-7C-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	21.01	21.02	22.70
CA_5A-7C-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	/	/	/
CA_2A-4A-7C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	21.51	21.55	22.50
CA_2A-4A-7C	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	21.55	21.65	23.20
CA_2A-4A-7C	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	/	/	/
CA_2A-4A-7C	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	17.29	17.30	19.20
CA_2A-4A-7C	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/

Hotspot on																							
DL LTE CA Class	PCC								SCC1				SCC2				SCC3				Power(dBm)		
	LTE Band	Ant	BW (MHz)	Modulation	UL Freq. (MHz)	UL Channel	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL LTE CA Tx.Power	LTE Rel 8 Tx.Power	Tune-up
CA_2C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 2	20M	1959.8	898	/	/	/	/	/	/	/	/	19.54	19.60	20.50
CA_38C	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	21.30	21.35	22.50
CA_38C	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	17.85	17.95	19.80
CA_38C	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2590.2	37952	/	/	/	/	/	/	/	/	13.65	13.79	15.70
CA_38C	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2599.8	38048	/	/	/	/	/	/	/	/	15.41	15.46	17.00
CA_41C	Band 41	2	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	/	/	/
CA_41C	Band 41	4	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	19.05	19.09	19.30
CA_41C	Band 41	5	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	16.35	16.40	16.70
CA_41C	Band 41	8	20M	QPSK	2506	39750	1	0	Band 41	20M	2525.8	39948	/	/	/	/	/	/	/	/	16.72	16.76	17.00
CA_38A-38A	Band 38	2	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	21.25	21.35	22.50
CA_38A-38A	Band 38	4	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	17.85	17.95	19.80
CA_38A-38A	Band 38	5	20M	QPSK	2610	38150	1	0	Band 38	20M	2580	37850	/	/	/	/	/	/	/	/	13.65	13.79	15.70
CA_38A-38A	Band 38	8	20M	QPSK	2580	37850	1	50	Band 38	20M	2610	38150	/	/	/	/	/	/	/	/	15.35	15.46	17.00
CA_41A-41A	Band 41	2	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	/	/	/
CA_41A-41A	Band 41	4	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	19.05	19.19	19.30
CA_41A-41A	Band 41	5	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	16.35	16.46	16.70
CA_41A-41A	Band 41	8	20M	QPSK	2506	39750	1	50	Band 41	20M	2680	41490	/	/	/	/	/	/	/	/	16.74	16.87	17.00
CA_2A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	15.31	15.35	17.20
CA_2A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 2	20M	1960	900	/	/	/	/	/	/	/	/	14.86	14.91	16.50
CA_7A-42A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	18.44	18.54	20.00
CA_7A-42A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 42	20M	3500	42590	/	/	/	/	/	/	/	/	13.75	13.87	15.80
CA_7A-42A	Band 42	6	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	18.86	18.91	20.00
CA_7A-42A	Band 42	11	20M	QPSK	3540	42990	1	0	Band 7	20M	2680	3350	/	/	/	/	/	/	/	/	18.65	18.77	20.00
CA_2A-7A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	19.55	19.60	20.50
CA_2A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	12.30	12.34	14.20
CA_2A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	12.15	12.17	14.00
CA_5A-7A-7A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	22.20	22.21	23.50
CA_5A-7A-7A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2680	3350	/	/	/	/	/	/	/
CA_5A-7A-7A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	18.44	18.54	20.00
CA_5A-7A-7A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	13.76	13.87	15.80
CA_5A-7A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	12.31	12.34	14.20



CA_5A-7A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2680	3350	Band 5	10M	881.5	2525	/	/	/	/	12.16	12.17	14.00
CA_12A-66A-66A	Band 12	1	10M	QPSK	711	23130	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	22.20	22.21	23.50
CA_12A-66A-66A	Band 12	3	10M	QPSK	711	20600	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/	/	/	/	/
CA_12A-66A-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	15.31	15.35	17.20
CA_12A-66A-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 12	10M	737.5	5095	/	/	/	/	14.85	14.91	16.50
CA_7C-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	21.30	12.34	14.20
CA_7C-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 66	20M	2170	67036	Band 66	20M	2120	66536	12.16	12.17	14.00
CA_7C-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	19.85	19.98	21.50
CA_7C-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	15.23	15.27	16.80
CA_2A-4A-5A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 5	10M	881.5	2525	/	/	/	/	19.56	19.60	20.50
CA_2A-4A-5A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	16.39	16.49	18.20
CA_2A-4A-5A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 5	10M	881.5	2525	/	/	/	/	16.80	16.81	18.50
CA_2A-4A-5A	Band 5	1	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	22.19	22.21	23.50
CA_2A-4A-5A	Band 5	3	10M	QPSK	844	20600	1	0	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	/	/	/	/	/	/	/
CA_2A-4A-7A	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2655	3100	/	/	/	/	19.55	19.60	20.50
CA_2A-4A-7A	Band 4	5	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	16.39	16.49	18.20
CA_2A-4A-7A	Band 4	8	20M	QPSK	1745	20300	1	99	Band 7	20M	2680	3350	Band 2	20M	1960	900	/	/	/	/	16.79	16.81	18.50
CA_2A-4A-7A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	12.29	12.34	14.20
CA_2A-4A-7A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 2	20M	1960	900	Band 4	20M	2132.5	2175	/	/	/	/	12.09	12.17	14.00
CA_5A-7A-66A-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	22.06	22.21	23.50
CA_5A-7A-66A-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2655	3100	Band 66	20M	2170	67036	Band 66	20M	2120	66536	/	/	/
CA_5A-7A-66A-66A	Band 7	5	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	12.30	12.34	14.20
CA_5A-7A-66A-66A	Band 7	8	20M	QPSK	2560	21350	1	0	Band 66	20M	2170	67036	Band 66	20M	2120	66536	Band 5	10M	881.5	2525	12.01	12.17	14.00
CA_5A-7A-66A-66A	Band 66	2	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	21.89	19.98	21.50
CA_5A-7A-66A-66A	Band 66	4	20M	QPSK	1720	132072	1	50	Band 66	20M	2170	67036	Band 5	10M	881.5	2525	Band 7	20M	2655	3100	15.24	15.27	16.80
CA_5A-7C-66A	Band 5	1	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	22.16	22.21	23.50
CA_5A-7C-66A	Band 5	3	10M	QPSK	844	20600	1	0	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 66	20M	2145	66786	/	/	/
CA_5A-7C-66A	Band 7	2	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	18.35	18.54	20.00
CA_5A-7C-66A	Band 7	4	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 5	10M	881.5	2525	Band 66	20M	2145	66786	13.85	13.87	15.80
CA_5A-7C-66A	Band 66	5	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	15.21	15.35	17.20
CA_5A-7C-66A	Band 66	8	20M	QPSK	1720	132072	1	50	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	Band 5	10M	881.5	2525	14.86	14.91	16.50
CA_2A-4A-7C	Band 2	2	20M	QPSK	1860	18700	1	0	Band 4	20M	2132.5	2175	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	19.58	19.60	20.50
CA_2A-4A-7C	Band 4	5	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	16.39	16.49	18.20
CA_2A-4A-7C	Band 4	8	20M	QPSK	1745	20300	1	99	Band 2	20M	1960	900	Band 7	20M	2630	2850	Band 7	20M	2649.8	3048	16.79	16.81	18.50
CA_2A-4A-7C	Band 7	5	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	12.24	12.34	14.20
CA_2A-4A-7C	Band 7	8	20M	QPSK	2560	21350	1	0	Band 7	20M	2660.5	3152	Band 4	20M	2132.5	2175	Band 2	20M	1960	900	12.13	12.17	14.00

Full power															
DL LTE CA Class	PCC								SCC1				Power(dBm)		
	LTE Band	Ant	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_40A-41A	Band 41	4	20M	QPSK	2680	41490	1	50	Band 40	20M	2350	39150	23.26	23.15	23.30
CA_40A-41A	Band 41	5	20M	QPSK	2680	41490	1	99	Band 40	20M	2350	39150	23.60	23.49	23.70
Receiver on&Hotspot on															
DL LTE CA Class	PCC								SCC1				Power(dBm)		
	LTE Band	Ant	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_40A-41A	Band 41	4	20M	QPSK	2680	41490	1	50	Band 40	20M	2350	39150	19.23	19.14	19.30
CA_40A-41A	Band 41	5	20M	QPSK	2680	41490	1	99	Band 40	20M	2350	39150	16.65	16.62	16.70
Sensor on															
DL LTE CA Class	PCC								SCC1				Power(dBm)		
	LTE Band	Ant	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_40A-41A	Band 41	5	20M	QPSK	2680	41490	1	99	Band 40	20M	2350	39150	22.61	22.49	22.70

14 Conducted Power of Wi-Fi and BT

Full power:

Ant7					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.11	17.50
	6	2437		16.12	17.50
	11	2462		16.10	17.50
802.11g	1	2412	6	14.02	15.50
	6	2437		13.86	15.50
	11	2462		13.98	15.50
802.11n HT20	1	2412	6.5	14.00	15.50
	6	2437		13.73	15.50
	11	2462		13.85	15.50
802.11n HT40	3	2422	13.5	10.48	11.50
	6	2437		9.83	11.50
	11	2462		10.05	11.50
802.11ax HT20	1	2412	MCS0	14.01	15.50
	6	2437		14.11	15.50
	11	2462		14.26	15.50
802.11ax HT40	3	2422	MCS0	13.86	15.00
	6	2437		13.42	15.00
	11	2462		13.54	15.00

Ant9					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.11	17.50
	6	2437		16.48	17.50
	11	2462		16.20	17.50
802.11g	1	2412	6	14.01	15.50
	6	2437		14.57	15.50
	11	2462		14.10	15.50
802.11n HT20	1	2412	6.5	13.78	15.50
	6	2437		14.36	15.50
	11	2462		13.98	15.50
802.11n HT40	3	2422	13.5	10.32	11.50
	6	2437		10.58	11.50
	11	2462		10.41	11.50
802.11ax HT20	1	2412	MCS0	14.16	15.50
	6	2437		14.55	15.50
	11	2462		14.30	15.50
802.11ax HT40	3	2422	MCS0	13.86	15.00
	6	2437		13.99	15.00
	11	2462		13.76	15.00



Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Ant7	Ant9	MIMO	Tune up
				Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	
802.11b	1	2412	1	16.18	16.35	19.28	20.50
	6	2437		16.53	16.40	19.48	20.50
	11	2462		16.23	16.15	19.20	20.50
802.11g	1	2412	6	13.98	14.14	17.07	18.50
	6	2437		13.81	14.59	17.23	18.50
	11	2462		13.99	14.00	17.01	18.50
802.11n HT20	1	2412	6.5	14.19	13.96	17.09	18.50
	6	2437		13.86	14.55	17.23	18.50
	11	2462		13.79	14.11	16.96	18.50
802.11n HT40	3	2422	13.5	10.44	10.23	13.35	14.50
	6	2437		10.01	10.49	13.27	14.50
	11	2462		9.98	10.60	13.31	14.50
802.11ax HT20	1	2412	MCS0	14.06	14.15	17.12	18.50
	6	2437		14.18	14.64	17.43	18.50
	11	2462		14.16	14.22	17.20	18.50
802.11ax HT40	3	2422	MCS0	13.88	13.96	16.93	18.00
	6	2437		13.37	14.01	16.71	18.00
	11	2462		13.65	13.77	16.72	18.00

Ant7						
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	17.02	18.00
		40	5200		17.10	18.00
		44	5220		17.12	18.00
		48	5240		17.21	18.00
	U-NII-2A	52	5260		16.60	17.50
		56	5280		16.63	17.50
		60	5300		16.64	17.50
		64	5320		16.71	17.50
	U-NII-2C	100	5500		16.45	17.50
		104	5520		16.56	17.50
		108	5540		16.48	17.50
		112	5560		16.55	17.50
		116	5580		16.78	17.50
		120	5600		16.61	17.50
		124	5620		16.63	17.50
		128	5640		16.66	17.50
		132	5660		16.83	17.50
		136	5680		16.94	17.50
		140	5700		17.00	17.50
		144	5720		16.88	17.50
	U-NII-3	149	5745		18.66	19.50
		153	5765		18.68	19.50
		157	5785		18.73	19.50
		161	5805		18.87	19.50
		165	5825		18.68	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	16.71	18.00
		40	5200		16.81	18.00
		44	5220		16.85	18.00
		48	5240		16.96	18.00

	U-NII-2A	52	5260		16.80	18.00
		56	5280		16.86	18.00
		60	5300		16.90	18.00
		64	5320		16.97	18.00
	U-NII-2C	100	5500		16.38	17.50
		104	5520		16.29	17.50
		108	5540		16.32	17.50
		112	5560		16.39	17.50
		116	5580		16.51	17.50
		120	5600		16.59	17.50
		124	5620		16.48	17.50
		128	5640		16.44	17.50
		132	5660		16.68	17.50
		136	5680		16.78	17.50
		140	5700		16.75	17.50
		144	5720		16.78	17.50
	U-NII-3	149	5745		18.44	19.50
		153	5765		18.52	19.50
		157	5785		18.56	19.50
		161	5805		18.52	19.50
		165	5825		18.50	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	14.41	15.50
		46	5230		14.60	15.50
	U-NII-2A	54	5270		15.00	16.00
		62	5310		15.03	16.00
	U-NII-2C	102	5510		15.83	17.00
		110	5550		15.88	17.00
		118	5590		16.01	17.00
		126	5630		16.03	17.00
		134	5670		16.21	17.00
		142	5710		16.30	17.00
	U-NII-3	151	5755		18.06	19.00
		159	5795		18.10	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	16.68	18.00
		40	5200		16.73	18.00
		44	5220		16.80	18.00
		48	5240		16.92	18.00
	U-NII-2A	52	5260		16.72	18.00
		56	5280		16.77	18.00
		60	5300		16.82	18.00
		64	5320		16.91	18.00
	U-NII-2C	100	5500		16.16	17.50
		104	5520		16.20	17.50
		108	5540		16.39	17.50
		112	5560		16.29	17.50
		116	5580		16.38	17.50
		120	5600		16.40	17.50
		124	5620		16.44	17.50
		128	5640		16.38	17.50
		132	5660		16.58	17.50
		136	5680		16.60	17.50
		140	5700		16.57	17.50



		144	5720		16.61	17.50
	U-NII-3	149	5745		18.60	19.50
		153	5765		18.42	19.50
		157	5785		18.51	19.50
		161	5805		18.48	19.50
		165	5825		18.49	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	17.73	19.00
		46	5230		17.89	19.00
	U-NII-2A	54	5270		17.86	19.00
		62	5310		18.15	19.00
	U-NII-2C	102	5510		15.71	17.00
		110	5550		15.83	17.00
		118	5590		16.01	17.00
		126	5630		16.08	17.00
		134	5670		16.15	17.00
		142	5710		16.13	17.00
	U-NII-3	151	5755		18.20	19.00
		159	5795		18.26	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	15.88	17.50
	U-NII-2A	58	5290		15.95	17.50
	U-NII-2C	106	5530		11.04	12.50
		122	5610		11.35	12.50
		138	5690		11.59	12.50
	U-NII-3	155	5775		17.61	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	16.98	18.00
		40	5200		17.05	18.00
		44	5220		17.11	18.00
		48	5240		17.22	18.00
	U-NII-2A	52	5260		16.99	18.00
		56	5280		17.02	18.00
		60	5300		17.25	18.00
		64	5320		17.15	18.00
	U-NII-2C	100	5500		15.43	16.50
		104	5520		15.48	16.50
		108	5540		15.55	16.50
		112	5560		15.61	16.50
		116	5580		15.74	16.50
		120	5600		15.70	16.50
		124	5620		15.73	16.50
		128	5640		15.83	16.50
		132	5660		15.90	16.50
		136	5680		15.88	16.50
		140	5700		16.06	16.50
		144	5720		15.92	16.50
	U-NII-3	149	5745		18.96	19.50
		153	5765		18.83	19.50
		157	5785		18.85	19.50
		161	5805		19.00	19.50
		165	5825		18.98	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax-40	U-NII-1	38	5190	MCS0	13.55	14.50



		46	5230		13.91	14.50
	U-NII-2A	54	5270		15.12	16.00
		62	5310		15.38	16.00
	U-NII-2C	102	5510		11.61	12.50
		110	5550		11.68	12.50
		118	5590		11.80	12.50
		126	5630		11.84	12.50
		134	5670		12.01	12.50
		142	5710		12.09	12.50
	U-NII-3	151	5755		18.36	19.00
		159	5795		18.40	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax	U-NII-1	42	5210	MCS0	10.38	11.50
80M	U-NII-2A	58	5290		11.55	12.50
	U-NII-2C	106	5530		11.42	12.50
		122	5610		11.55	12.50
		138	5690		11.82	12.50
	U-NII-3	155	5775		18.00	19.00

Ant9						
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	17.02	18.00
		40	5200		17.29	18.00
		44	5220		17.42	18.00
		48	5240		17.56	18.00
	U-NII-2A	52	5260		17.00	17.50
		56	5280		17.02	17.50
		60	5300		17.09	17.50
		64	5320		17.14	17.50
	U-NII-2C	100	5500		16.46	17.50
		104	5520		16.71	17.50
		108	5540		16.62	17.50
		112	5560		16.66	17.50
		116	5580		16.58	17.50
		120	5600		16.70	17.50
		124	5620		16.57	17.50
		128	5640		16.55	17.50
		132	5660		16.69	17.50
		136	5680		16.71	17.50
		140	5700		16.90	17.50
		144	5720		16.85	17.50
	U-NII-3	149	5745		18.44	19.50
		153	5765		18.45	19.50
		157	5785		18.55	19.50
		161	5805		18.66	19.50
		165	5825		18.62	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	16.75	18.00
		40	5200		16.93	18.00
		44	5220		17.12	18.00
		48	5240		17.34	18.00
	U-NII-2A	52	5260		17.51	18.00
		56	5280		17.26	18.00
		60	5300		17.49	18.00

		64	5320		17.38	18.00
		100	5500		16.31	17.50
		104	5520		16.48	17.50
		108	5540		16.55	17.50
		112	5560		16.40	17.50
		116	5580		16.38	17.50
		120	5600		16.50	17.50
		124	5620		16.47	17.50
		128	5640		16.40	17.50
		132	5660		16.38	17.50
		136	5680		16.62	17.50
		140	5700		16.45	17.50
		144	5720		16.56	17.50
		149	5745		18.28	19.50
		153	5765		18.27	19.50
		157	5785		18.34	19.50
		161	5805		18.24	19.50
		165	5825		18.41	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	14.64	15.50
		46	5230		15.01	15.50
	U-NII-2A	54	5270		15.62	16.00
		62	5310		15.71	16.00
	U-NII-2C	102	5510		16.05	17.00
		110	5550		16.15	17.00
		118	5590		16.08	17.00
		126	5630		16.26	17.00
		134	5670		16.24	17.00
		142	5710		16.17	17.00
	U-NII-3	151	5755		18.08	19.00
		159	5795		18.14	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	16.87	18.00
		40	5200		17.01	18.00
		44	5220		17.15	18.00
		48	5240		17.33	18.00
	U-NII-2A	52	5260		17.22	18.00
		56	5280		17.30	18.00
		60	5300		17.38	18.00
		64	5320		17.42	18.00
	U-NII-2C	100	5500		16.30	17.50
		104	5520		16.38	17.50
		108	5540		16.61	17.50
		112	5560		16.42	17.50
		116	5580		16.35	17.50
		120	5600		16.38	17.50
		124	5620		16.38	17.50
		128	5640		16.41	17.50
		132	5660		16.43	17.50
		136	5680		16.46	17.50
		140	5700		16.48	17.50
		144	5720		16.52	17.50
	U-NII-3	149	5745		18.72	19.50
		153	5765		18.45	19.50



		157	5785		18.56	19.50
		161	5805		18.57	19.50
		165	5825		18.61	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	18.00	19.00
		46	5230		18.43	19.00
	U-NII-2A	54	5270		18.36	19.00
		62	5310		18.65	19.00
	U-NII-2C	102	5510		16.07	17.00
		110	5550		16.16	17.00
		118	5590		16.08	17.00
		126	5630		16.02	17.00
		134	5670		16.17	17.00
		142	5710		16.30	17.00
	U-NII-3	151	5755		18.29	19.00
		159	5795		18.34	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	16.42	17.50
	U-NII-2A	58	5290		16.66	17.50
	U-NII-2C	106	5530		11.58	12.50
		122	5610		11.61	12.50
	U-NII-3	138	5690		11.65	12.50
		155	5775		17.68	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	17.35	18.00
		40	5200		17.48	18.00
		44	5220		17.62	18.00
		48	5240		17.78	18.00
	U-NII-2A	52	5260		17.53	18.00
		56	5280		17.58	18.00
		60	5300		17.66	18.00
		64	5320		17.73	18.00
	U-NII-2C	100	5500		15.83	16.50
		104	5520		15.81	16.50
		108	5540		15.91	16.50
		112	5560		15.95	16.50
		116	5580		16.03	16.50
		120	5600		15.98	16.50
		124	5620		16.05	16.50
		128	5640		15.90	16.50
		132	5660		15.86	16.50
		136	5680		15.93	16.50
	U-NII-3	140	5700		15.96	16.50
		144	5720		16.10	16.50
		149	5745		18.99	19.50
		153	5765		19.09	19.50
		157	5785		19.02	19.50
		161	5805		19.11	19.50
		165	5825		19.13	19.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax-40	U-NII-1	38	5190	MCS0	13.98	14.50
		46	5230		14.28	14.50
	U-NII-2A	54	5270		15.78	16.00
		62	5310		15.83	16.00



	U-NII-2C	102	5510		11.92	12.50
		110	5550		12.00	12.50
		118	5590		12.06	12.50
		126	5630		12.03	12.50
		134	5670		12.05	12.50
		142	5710		12.02	12.50
	U-NII-3	151	5755		18.39	19.00
		159	5795		18.47	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax 80M	U-NII-1	42	5210	MCS0	10.86	11.50
	U-NII-2A	58	5290		12.16	12.50
	U-NII-2C	106	5530		11.72	12.50
		122	5610		11.82	12.50
		138	5690		11.85	12.50
	U-NII-3	155	5775		18.07	19.00

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Ant7 Average Power (dBm)	Ant9 Average Power (dBm)	MIMO Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	17.08	17.01	20.06	21.00
		40	5200		17.29	17.50	20.41	21.00
		44	5220		17.55	17.49	20.53	21.00
		48	5240		17.40	17.61	20.52	21.00
	U-NII-2A	52	5260		16.78	17.11	19.96	20.50
		56	5280		16.76	17.17	19.98	20.50
		60	5300		16.90	17.34	20.14	20.50
		64	5320		16.83	17.25	20.06	20.50
	U-NII-2C	100	5500		16.66	16.62	19.65	20.50
		104	5520		16.75	16.75	19.76	20.50
		108	5540		16.76	16.70	19.74	20.50
		112	5560		16.80	16.81	19.82	20.50
		116	5580		16.81	16.66	19.75	20.50
		120	5600		16.78	16.80	19.80	20.50
		124	5620		16.90	16.80	19.86	20.50
		128	5640		16.89	16.76	19.84	20.50
		132	5660		17.05	16.94	20.01	20.50
		136	5680		17.22	16.94	20.09	20.50
		140	5700		17.12	17.10	20.12	20.50
		144	5720		17.02	16.65	19.85	20.50
	U-NII-3	149	5745		18.87	18.70	21.80	22.50
		153	5765		18.92	18.54	21.74	22.50
		157	5785		18.89	18.63	21.77	22.50
		161	5805		18.98	18.84	21.92	22.50
		165	5825		18.80	18.89	21.86	22.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11n- HT20	U-NII-1	36	5180	MCS0	16.89	16.82	19.87	21.00
		40	5200		16.86	17.11	20.00	21.00
		44	5220		17.08	17.16	20.13	21.00
		48	5240		17.15	17.49	20.33	21.00
	U-NII-2A	52	5260		17.10	17.56	20.35	21.00
		56	5280		16.93	17.32	20.14	21.00
		60	5300		17.00	17.52	20.28	21.00

		64	5320		17.05	17.43	20.25	21.00
		100	5500		16.65	16.57	19.62	20.50
		104	5520		16.50	16.61	19.57	20.50
		108	5540		16.55	16.74	19.66	20.50
		112	5560		16.65	16.62	19.65	20.50
		116	5580		16.75	16.47	19.62	20.50
		120	5600		16.64	16.69	19.68	20.50
		124	5620		16.69	16.56	19.64	20.50
		128	5640		16.56	16.61	19.60	20.50
		132	5660		16.72	16.64	19.69	20.50
		136	5680		16.88	16.87	19.89	20.50
		140	5700		16.98	16.69	19.85	20.50
		144	5720		16.85	16.61	19.74	20.50
		149	5745		18.51	18.44	21.49	22.50
		153	5765		18.56	18.42	21.50	22.50
		157	5785		18.82	18.37	21.61	22.50
		161	5805		18.75	18.48	21.63	22.50
		165	5825		18.65	18.53	21.60	22.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	14.57	14.74	17.67	18.50
		46	5230		14.86	15.23	18.06	18.50
	U-NII-2A	54	5270		15.20	15.90	18.57	19.00
		62	5310		15.30	15.98	18.66	19.00
	U-NII-2C	102	5510		16.09	16.12	19.12	20.00
		110	5550		16.04	16.26	19.16	20.00
		118	5590		16.09	16.24	19.18	20.00
		126	5630		16.29	16.29	19.30	20.00
		134	5670		16.45	16.34	19.41	20.00
		142	5710		16.53	16.22	19.39	20.00
	U-NII-3	151	5755		18.25	18.26	21.27	22.00
		159	5795		18.39	18.23	21.32	22.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	16.82	16.85	19.85	21.00
		40	5200		16.92	17.04	19.99	21.00
		44	5220		17.00	17.18	20.10	21.00
		48	5240		17.09	17.44	20.28	21.00
	U-NII-2A	52	5260		16.80	17.49	20.17	21.00
		56	5280		17.03	17.51	20.29	21.00
		60	5300		17.07	17.48	20.29	21.00
		64	5320		16.96	17.69	20.35	21.00
	U-NII-2C	100	5500		16.31	16.41	19.37	20.50
		104	5520		16.43	16.46	19.46	20.50
		108	5540		16.55	16.89	19.73	20.50
		112	5560		16.54	16.66	19.61	20.50
		116	5580		16.66	16.44	19.56	20.50
		120	5600		16.63	16.60	19.63	20.50
		124	5620		16.58	16.47	19.54	20.50
		128	5640		16.48	16.64	19.57	20.50
		132	5660		16.61	16.51	19.57	20.50
		136	5680		16.68	16.69	19.70	20.50
		140	5700		16.70	16.64	19.68	20.50
		144	5720		16.67	16.54	19.62	20.50

		149	5745		18.67	18.99	21.84	22.50
		153	5765		18.45	18.53	21.50	22.50
		157	5785		18.54	18.69	21.63	22.50
		161	5805		18.52	18.82	21.68	22.50
		165	5825		18.73	18.79	21.77	22.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	18.01	18.06	21.05	22.00
		46	5230		17.96	18.45	21.22	22.00
	U-NII-2A	54	5270		17.91	18.41	21.18	22.00
		62	5310		17.90	18.57	21.26	22.00
	U-NII-2C	102	5510		15.74	16.28	19.03	20.00
		110	5550		15.88	16.43	19.17	20.00
		118	5590		16.25	16.35	19.31	20.00
		126	5630		16.23	16.12	19.19	20.00
		134	5670		16.24	16.33	19.30	20.00
		142	5710		16.39	16.33	19.37	20.00
	U-NII-3	151	5755		18.32	18.46	21.40	22.00
		159	5795		18.42	18.38	21.41	22.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	16.04	16.61	19.34	20.50
	U-NII-2A	58	5290		16.02	16.88	19.48	20.50
	U-NII-2C	106	5530		11.32	11.68	14.51	15.50
		122	5610		11.63	11.73	14.69	15.50
		138	5690		11.87	11.71	14.80	15.50
	U-NII-3	155	5775		17.84	17.75	20.81	22.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	17.12	17.42	20.28	21.00
		40	5200		17.18	17.53	20.37	21.00
		44	5220		17.27	17.70	20.50	21.00
		48	5240		17.44	17.85	20.66	21.00
	U-NII-2A	52	5260		17.25	17.78	20.53	21.00
		56	5280		17.06	17.70	20.40	21.00
		60	5300		17.37	17.77	20.58	21.00
		64	5320		17.21	17.80	20.53	21.00
	U-NII-2C	100	5500		15.52	16.05	18.80	19.50
		104	5520		15.73	15.97	18.86	19.50
		108	5540		15.63	16.05	18.86	19.50
		112	5560		15.77	16.13	18.96	19.50
		116	5580		15.82	16.28	19.07	19.50
		120	5600		15.92	16.23	19.09	19.50
		124	5620		15.93	16.25	19.10	19.50
		128	5640		15.93	16.05	19.00	19.50
		132	5660		15.96	15.90	18.94	19.50
		136	5680		16.02	16.11	19.08	19.50
		140	5700		16.13	16.00	19.08	19.50
		144	5720		16.08	16.28	19.19	19.50
	U-NII-3	149	5745		19.07	19.08	22.09	22.50
		153	5765		18.88	19.16	22.03	22.50

		157	5785		19.00	19.29	22.16	22.50
		161	5805		19.05	19.22	22.15	22.50
		165	5825		19.07	19.27	22.18	22.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ax-40	U-NII-1	38	5190	MCS0	13.80	14.25	17.04	17.50
		46	5230		14.18	14.47	17.34	17.50
	U-NII-2A	54	5270		15.25	15.82	18.55	19.00
		62	5310		15.60	15.86	18.74	19.00
	U-NII-2C	102	5510		11.71	12.01	14.87	15.50
		110	5550		11.76	12.16	14.97	15.50
		118	5590		12.02	12.12	15.08	15.50
		126	5630		12.12	12.14	15.14	15.50
		134	5670		12.06	12.33	15.21	15.50
		142	5710		12.26	12.24	15.26	15.50
	U-NII-3	151	5755		18.57	18.66	21.63	22.00
		159	5795		18.55	18.74	21.66	22.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ax 80M	U-NII-1	42	5210	MCS0	10.52	11.13	13.85	14.50
	U-NII-2A	58	5290		11.72	12.25	15.00	15.50
	U-NII-2C	106	5530		11.58	11.82	14.71	15.50
		122	5610		11.69	12.05	14.88	15.50
		138	5690		11.92	11.92	14.93	15.50
	U-NII-3	155	5775		18.13	18.19	21.17	22.00

Reduce power:

Ant7					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	14.09	15.50
	6	2437		14.12	15.50
	11	2462		14.08	15.50
802.11g	1	2412	6	14.02	15.50
	6	2437		13.86	15.50
	11	2462		13.98	15.50
802.11n HT20	1	2412	6.5	14.00	15.50
	6	2437		13.73	15.50
	11	2462		13.85	15.50
802.11n HT40	3	2422	13.5	10.48	11.50
	6	2437		9.83	11.50
	11	2462		10.05	11.50
802.11ax HT20	1	2412	MCS0	14.01	15.50
	6	2437		14.11	15.50
	11	2462		14.26	15.50
802.11ax HT40	3	2422	MCS0	13.86	15.00
	6	2437		13.42	15.00
	11	2462		13.54	15.00

Ant9					
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	14.06	15.50
	6	2437		14.46	15.50
	11	2462		14.17	15.50
802.11g	1	2412	6	14.01	15.50
	6	2437		14.57	15.50
	11	2462		14.10	15.50
802.11n HT20	1	2412	6.5	13.78	15.50
	6	2437		14.36	15.50
	11	2462		13.98	15.50
802.11n HT40	3	2422	13.5	10.32	11.50
	6	2437		10.58	11.50
	11	2462		10.41	11.50
802.11ax HT20	1	2412	MCS0	14.16	15.50
	6	2437		14.55	15.50
	11	2462		14.30	15.50
802.11ax HT40	3	2422	MCS0	13.86	15.00
	6	2437		13.99	15.00
	11	2462		13.76	15.00



Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Ant7	Ant9	MIMO	Tune up
				Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	
802.11b	1	2412	1	14.15	14.31	17.24	18.50
	6	2437		14.49	14.39	17.45	18.50
	11	2462		14.19	14.15	17.18	18.50
802.11g	1	2412	6	13.98	14.14	17.07	16.50
	6	2437		13.81	14.59	17.23	16.50
	11	2462		13.99	14.00	17.01	16.50
802.11n HT20	1	2412	6.5	14.19	13.96	17.09	16.50
	6	2437		13.86	14.55	17.23	16.50
	11	2462		13.79	14.11	16.96	16.50
802.11n HT40	3	2422	13.5	10.44	10.23	13.35	12.50
	6	2437		10.01	10.49	13.27	12.50
	11	2462		9.98	10.60	13.31	12.50
802.11ax HT20	1	2412	MCS0	14.06	14.15	17.12	16.50
	6	2437		14.18	14.64	17.43	16.50
	11	2462		14.16	14.22	17.20	16.50
802.11ax HT40	3	2422	MCS0	13.88	13.96	16.93	16.00
	6	2437		13.37	14.01	16.71	16.00
	11	2462		13.65	13.77	16.72	16.00

Ant7						
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	11.50	12.50
		40	5200		11.56	12.50
		44	5220		11.62	12.50
		48	5240		11.68	12.50
	U-NII-2A	52	5260		11.57	12.50
		56	5280		11.59	12.50
		60	5300		11.62	12.50
		64	5320		11.68	12.50
	U-NII-2C	100	5500		11.45	12.50
		104	5520		11.52	12.50
		108	5540		11.46	12.50
		112	5560		11.51	12.50
		116	5580		11.76	12.50
		120	5600		11.61	12.50
		124	5620		11.60	12.50
		128	5640		11.64	12.50
		132	5660		11.83	12.50
		136	5680		11.93	12.50
		140	5700		11.98	12.50
		144	5720		11.87	12.50
	U-NII-3	149	5745		11.80	12.50
		153	5765		11.67	12.50
		157	5785		11.69	12.50
		161	5805		11.84	12.50
		165	5825		11.65	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	11.16	12.50
		40	5200		11.30	12.50
		44	5220		11.30	12.50



	U-NII-2A	48	5240		11.45	12.50
		52	5260		11.28	12.50
		56	5280		11.34	12.50
		60	5300		11.37	12.50
		64	5320		11.45	12.50
	U-NII-2C	100	5500		11.33	12.50
		104	5520		11.27	12.50
		108	5540		11.27	12.50
		112	5560		11.35	12.50
		116	5580		11.47	12.50
		120	5600		11.55	12.50
		124	5620		11.44	12.50
		128	5640		11.41	12.50
		132	5660		11.65	12.50
		136	5680		11.73	12.50
		140	5700		11.72	12.50
		144	5720		11.78	12.50
	U-NII-3	149	5745		11.42	12.50
		153	5765		11.52	12.50
		157	5785		11.55	12.50
		161	5805		11.48	12.50
		165	5825		11.47	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	10.89	12.00
		46	5230		11.05	12.00
	U-NII-2A	54	5270		10.98	12.00
		62	5310		10.98	12.00
	U-NII-2C	102	5510		10.83	12.00
		110	5550		10.87	12.00
		118	5590		11.01	12.00
		126	5630		11.00	12.00
		134	5670		11.19	12.00
		142	5710		11.26	12.00
	U-NII-3	151	5755		11.06	12.00
		159	5795		11.09	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	11.17	12.50
		40	5200		11.20	12.50
		44	5220		11.27	12.50
		48	5240		11.39	12.50
	U-NII-2A	52	5260		11.18	12.50
		56	5280		11.26	12.50
		60	5300		11.32	12.50
		64	5320		11.40	12.50
	U-NII-2C	100	5500		11.14	12.50
		104	5520		11.15	12.50
		108	5540		11.34	12.50
		112	5560		11.29	12.50
		116	5580		11.33	12.50
		120	5600		11.38	12.50
		124	5620		11.42	12.50
		128	5640		11.38	12.50
		132	5660		11.53	12.50
		136	5680		11.56	12.50



		140	5700		11.53	12.50
		144	5720		11.58	12.50
	U-NII-3	149	5745		11.56	12.50
		153	5765		11.41	12.50
		157	5785		11.49	12.50
		161	5805		11.44	12.50
		165	5825		11.44	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	10.72	12.00
		46	5230		10.88	12.00
	U-NII-2A	54	5270		10.82	12.00
		62	5310		10.99	12.00
	U-NII-2C	102	5510		10.68	12.00
		110	5550		10.80	12.00
		118	5590		11.01	12.00
		126	5630		11.05	12.00
		134	5670		11.14	12.00
		142	5710		11.13	12.00
	U-NII-3	151	5755		11.20	12.00
		159	5795		11.21	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	10.37	12.00
	U-NII-2A	58	5290		10.41	12.00
	U-NII-2C	106	5530		10.51	12.00
		122	5610		10.82	12.00
		138	5690		11.06	12.00
	U-NII-3	155	5775		10.59	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	11.47	12.50
		40	5200		11.51	12.50
		44	5220		11.57	12.50
		48	5240		11.50	12.50
	U-NII-2A	52	5260		11.45	12.50
		56	5280		11.48	12.50
		60	5300		11.60	12.50
		64	5320		11.65	12.50
	U-NII-2C	100	5500		11.41	12.50
		104	5520		11.43	12.50
		108	5540		11.51	12.50
		112	5560		11.56	12.50
		116	5580		11.72	12.50
		120	5600		11.68	12.50
		124	5620		11.71	12.50
		128	5640		11.83	12.50
		132	5660		11.89	12.50
		136	5680		11.88	12.50
		140	5700		11.78	12.50
		144	5720		11.90	12.50
	U-NII-3	149	5745		11.78	12.50
		153	5765		11.81	12.50
		157	5785		11.81	12.50
		161	5805		11.80	12.50
		165	5825		11.74	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up



802.11ax-40	U-NII-1	38	5190	MCS0	11.01	12.00
		46	5230		11.38	12.00
	U-NII-2A	54	5270		11.10	12.00
		62	5310		11.36	12.00
	U-NII-2C	102	5510		10.56	12.00
		110	5550		10.66	12.00
		118	5590		10.76	12.00
		126	5630		10.83	12.00
		134	5670		10.96	12.00
		142	5710		11.04	12.00
	U-NII-3	151	5755		11.35	12.00
		159	5795		11.35	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax 80M	U-NII-1	42	5210	MCS0	10.34	11.50
	U-NII-2A	58	5290		11.05	12.00
	U-NII-2C	106	5530		10.90	12.00
		122	5610		11.05	12.00
		138	5690		11.31	12.00
	U-NII-3	155	5775		10.99	12.00

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	11.47	12.50
		40	5200		11.73	12.50
		44	5220		11.83	12.50
		48	5240		11.98	12.50
	U-NII-2A	52	5260		12.01	12.50
		56	5280		12.02	12.50
		60	5300		12.06	12.50
		64	5320		12.12	12.50
	U-NII-2C	100	5500		11.41	12.50
		104	5520		11.68	12.50
		108	5540		11.61	12.50
		112	5560		11.63	12.50
		116	5580		11.58	12.50
		120	5600		11.65	12.50
		124	5620		11.52	12.50
		128	5640		11.53	12.50
		132	5660		11.66	12.50
		136	5680		11.66	12.50
		140	5700		11.87	12.50
		144	5720		11.80	12.50
	U-NII-3	149	5745		11.44	12.50
		153	5765		11.43	12.50
		157	5785		11.50	12.50
		161	5805		11.66	12.50
		165	5825		11.60	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	11.19	12.50
		40	5200		11.33	12.50
		44	5220		11.53	12.50
		48	5240		11.76	12.50
	U-NII-2A	52	5260		11.94	12.50
		56	5280		11.69	12.50



		60	5300		11.92	12.50
		64	5320		11.82	12.50
	U-NII-2C	100	5500		11.26	12.50
		104	5520		11.46	12.50
		108	5540		11.53	12.50
		112	5560		11.40	12.50
		116	5580		11.35	12.50
		120	5600		11.49	12.50
		124	5620		11.46	12.50
		128	5640		11.38	12.50
		132	5660		11.33	12.50
		136	5680		11.60	12.50
		140	5700		11.43	12.50
		144	5720		11.56	12.50
	U-NII-3	149	5745		11.25	12.50
		153	5765		11.22	12.50
		157	5785		11.34	12.50
		161	5805		11.24	12.50
		165	5825		11.40	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	11.14	12.00
		46	5230		11.50	12.00
	U-NII-2A	54	5270		11.58	12.00
		62	5310		11.69	12.00
	U-NII-2C	102	5510		11.00	12.00
		110	5550		11.15	12.00
		118	5590		11.05	12.00
		126	5630		11.22	12.00
		134	5670		11.22	12.00
		142	5710		11.17	12.00
	U-NII-3	151	5755		11.07	12.00
		159	5795		11.13	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	11.30	12.50
		40	5200		11.41	12.50
		44	5220		11.60	12.50
		48	5240		11.76	12.50
	U-NII-2A	52	5260		11.63	12.50
		56	5280		11.70	12.50
		60	5300		11.82	12.50
		64	5320		11.82	12.50
	U-NII-2C	100	5500		11.29	12.50
		104	5520		11.35	12.50
		108	5540		11.59	12.50
		112	5560		11.37	12.50
		116	5580		11.30	12.50
		120	5600		11.36	12.50
		124	5620		11.36	12.50
		128	5640		11.38	12.50
		132	5660		11.42	12.50
		136	5680		11.42	12.50
	U-NII-3	140	5700		11.47	12.50
		144	5720		11.47	12.50
		149	5745		11.67	12.50



		153	5765		11.42	12.50
		157	5785		11.54	12.50
		161	5805		11.55	12.50
		165	5825		11.61	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	10.98	12.00
		46	5230		11.41	12.00
	U-NII-2A	54	5270		11.35	12.00
		62	5310		11.37	12.00
	U-NII-2C	102	5510		11.02	12.00
		110	5550		11.12	12.00
		118	5590		11.03	12.00
		126	5630		10.97	12.00
		134	5670		11.12	12.00
		142	5710		11.28	12.00
	U-NII-3	151	5755		11.29	12.00
		159	5795		11.33	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	10.92	12.50
	U-NII-2A	58	5290		11.14	12.50
	U-NII-2C	106	5530		10.58	12.50
		122	5610		10.58	12.50
		138	5690		10.61	12.50
	U-NII-3	155	5775		10.64	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	11.80	12.50
		40	5200		11.88	12.50
		44	5220		12.04	12.50
		48	5240		12.19	12.50
	U-NII-2A	52	5260		11.95	12.50
		56	5280		12.03	12.50
		60	5300		12.08	12.50
		64	5320		12.10	12.50
	U-NII-2C	100	5500		11.82	12.50
		104	5520		11.77	12.50
		108	5540		11.81	12.50
		112	5560		11.50	12.50
		116	5580		11.78	12.50
		120	5600		11.77	12.50
		124	5620		11.78	12.50
		128	5640		11.86	12.50
		132	5660		11.83	12.50
		136	5680		11.70	12.50
	U-NII-3	140	5700		11.85	12.50
		144	5720		11.80	12.50
		149	5745		11.56	12.50
		153	5765		11.55	12.50
		157	5785		11.41	12.50
		161	5805		11.35	12.50
		165	5825		11.54	12.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax-40	U-NII-1	38	5190	MCS0	11.43	12.00
		46	5230		11.73	12.00
	U-NII-2A	54	5270		11.73	12.00



		62	5310		11.82	12.00
		102	5510		10.88	12.00
		110	5550		10.96	12.00
		118	5590		11.05	12.00
		126	5630		11.02	12.00
		134	5670		11.00	12.00
		142	5710		10.97	12.00
		151	5755		11.37	12.00
		159	5795		11.46	12.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11ax 80M	U-NII-1	42	5210	MCS0	10.83	11.50
	U-NII-2A	58	5290		11.11	12.00
	U-NII-2C	106	5530		10.68	12.00
		122	5610		10.79	12.00
		138	5690		10.84	12.00
	U-NII-3	155	5775		11.06	12.00

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Ant7 Average Power (dBm)	Ant9 Average Power (dBm)	MIMO Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	11.57	11.47	14.53	15.50
		40	5200		11.78	12.00	14.90	15.50
		44	5220		12.00	11.95	14.99	15.50
		48	5240		11.89	12.10	15.01	15.50
	U-NII-2A	52	5260		11.74	12.10	14.93	15.50
		56	5280		11.74	12.14	14.95	15.50
		60	5300		11.87	12.29	15.10	15.50
		64	5320		11.91	12.31	15.12	15.50
	U-NII-2C	100	5500		11.62	11.61	14.63	15.50
		104	5520		11.71	11.75	14.74	15.50
		108	5540		11.72	11.67	14.71	15.50
		112	5560		11.80	11.79	14.81	15.50
		116	5580		11.81	11.66	14.75	15.50
		120	5600		11.74	11.79	14.78	15.50
		124	5620		11.87	11.76	14.83	15.50
		128	5640		11.84	11.76	14.81	15.50
		132	5660		12.02	11.90	14.97	15.50
		136	5680		12.21	11.90	15.07	15.50
		140	5700		12.12	12.05	15.10	15.50
		144	5720		12.01	11.62	14.83	15.50
	U-NII-3	149	5745		11.87	11.68	14.79	15.50
		153	5765		11.90	11.51	14.72	15.50
		157	5785		11.84	11.60	14.73	15.50
		161	5805		11.98	11.80	14.90	15.50
		165	5825		11.75	11.86	14.82	15.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11n- HT20	U-NII-1	36	5180	MCS0	11.37	11.32	14.36	15.50
		40	5200		11.34	11.57	14.47	15.50
		44	5220		11.55	11.61	14.59	15.50
		48	5240		11.62	11.94	14.79	15.50
	U-NII-2A	52	5260		11.60	12.06	14.85	15.50
		56	5280		11.39	11.77	14.59	15.50

		60	5300		11.50	11.97	14.75	15.50
		64	5320		11.51	11.92	14.73	15.50
	U-NII-2C	100	5500		11.60	11.56	14.59	15.50
		104	5520		11.50	11.61	14.57	15.50
		108	5540		11.50	11.69	14.61	15.50
		112	5560		11.63	11.62	14.64	15.50
		116	5580		11.70	11.43	14.58	15.50
		120	5600		11.61	11.67	14.65	15.50
		124	5620		11.67	11.55	14.62	15.50
		128	5640		11.53	11.60	14.58	15.50
		132	5660		11.72	11.63	14.69	15.50
		136	5680		11.83	11.87	14.86	15.50
		140	5700		11.95	11.66	14.82	15.50
		144	5720		11.84	11.56	14.71	15.50
	U-NII-3	149	5745		11.50	11.42	14.47	15.50
		153	5765		11.55	11.42	14.50	15.50
		157	5785		11.80	11.34	14.59	15.50
		161	5805		11.73	11.45	14.60	15.50
		165	5825		11.61	11.51	14.57	15.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	11.04	11.21	14.14	15.00
		46	5230		11.33	11.73	14.54	15.00
	U-NII-2A	54	5270		11.15	11.86	14.53	15.00
		62	5310		11.25	11.95	14.62	15.00
	U-NII-2C	102	5510		11.04	11.08	14.07	15.00
		110	5550		11.02	11.25	14.15	15.00
		118	5590		11.07	11.19	14.14	15.00
		126	5630		11.26	11.28	14.28	15.00
		134	5670		11.42	11.29	14.37	15.00
		142	5710		11.51	11.18	14.36	15.00
	U-NII-3	151	5755		11.22	11.25	14.25	15.00
		159	5795		11.39	11.22	14.32	15.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	11.30	11.33	14.33	15.50
		40	5200		11.41	11.49	14.46	15.50
		44	5220		11.47	11.68	14.59	15.50
		48	5240		11.59	11.92	14.77	15.50
	U-NII-2A	52	5260		11.28	11.95	14.64	15.50
		56	5280		11.49	12.01	14.77	15.50
		60	5300		11.55	11.96	14.77	15.50
		64	5320		11.44	12.15	14.82	15.50
	U-NII-2C	100	5500		11.26	11.37	14.33	15.50
		104	5520		11.38	11.42	14.41	15.50
		108	5540		11.55	11.86	14.72	15.50
		112	5560		11.52	11.63	14.59	15.50
		116	5580		11.65	11.43	14.55	15.50
		120	5600		11.63	11.59	14.62	15.50
		124	5620		11.58	11.43	14.52	15.50
		128	5640		11.43	11.64	14.55	15.50
		132	5660		11.56	11.51	14.55	15.50
		136	5680		11.64	11.68	14.67	15.50
		140	5700		11.67	11.60	14.65	15.50

		144	5720		11.62	11.51	14.58	15.50
		149	5745		11.65	11.97	14.82	15.50
		153	5765		11.40	11.50	14.46	15.50
		157	5785		11.49	11.67	14.59	15.50
		161	5805		11.51	11.81	14.67	15.50
		165	5825		11.70	11.76	14.74	15.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	10.96	11.03	14.01	15.00
		46	5230		10.91	11.45	14.20	15.00
	U-NII-2A	54	5270		10.91	11.36	14.15	15.00
		62	5310		10.90	11.52	14.23	15.00
	U-NII-2C	102	5510		10.73	11.27	14.02	15.00
		110	5550		10.86	11.39	14.14	15.00
		118	5590		11.25	11.30	14.29	15.00
		126	5630		11.23	11.07	14.16	15.00
		134	5670		11.24	11.29	14.28	15.00
		142	5710		11.38	11.33	14.37	15.00
		151	5755		11.32	11.43	14.39	15.00
		159	5795		11.41	11.35	14.39	15.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	10.50	11.09	13.82	15.00
	U-NII-2A	58	5290		10.47	11.36	13.95	15.00
	U-NII-2C	106	5530		10.80	11.14	13.98	15.00
		122	5610		11.12	11.19	14.17	15.00
		138	5690		11.34	11.16	14.26	15.00
	U-NII-3	155	5775		10.79	10.74	13.78	15.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	11.58	11.88	14.74	15.50
		40	5200		11.63	11.99	14.82	15.50
		44	5220		11.72	12.18	14.97	15.50
		48	5240		11.89	12.31	15.12	15.50
	U-NII-2A	52	5260		11.75	12.24	15.01	15.50
		56	5280		11.56	12.17	14.89	15.50
		60	5300		11.85	12.26	15.07	15.50
		64	5320		11.69	12.25	14.99	15.50
	U-NII-2C	100	5500		11.48	12.00	14.76	15.50
		104	5520		11.71	11.95	14.84	15.50
		108	5540		11.58	12.02	14.82	15.50
		112	5560		11.75	12.10	14.94	15.50
		116	5580		11.79	12.23	15.03	15.50
		120	5600		11.92	12.18	15.06	15.50
		124	5620		11.91	12.20	15.07	15.50
		128	5640		11.92	12.05	15.00	15.50
		132	5660		11.95	11.85	14.91	15.50
		136	5680		11.99	12.11	15.06	15.50
		140	5700		12.09	11.99	15.05	15.50
		144	5720		12.08	12.26	15.05	15.50
	U-NII-	149	5745		12.04	12.06	14.86	15.50

	3	153	5765		11.88	12.12	14.78	15.50
		157	5785		11.95	12.28	14.84	15.50
		161	5805		12.05	12.20	14.74	15.50
		165	5825		12.06	12.27	14.83	15.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ax-40	U-NII-1	38	5190	MCS0	10.79	11.24	14.03	15.00
		46	5230		11.16	11.46	14.32	15.00
	U-NII-2A	54	5270		11.21	11.81	14.53	15.00
		62	5310		11.60	11.84	14.73	15.00
	U-NII-2C	102	5510		11.16	11.51	14.35	15.00
		110	5550		11.22	11.62	14.43	15.00
		118	5590		11.48	11.58	14.54	15.00
		126	5630		11.59	11.60	14.61	15.00
		134	5670		11.55	11.81	14.69	15.00
		142	5710		11.73	11.73	14.74	15.00
	U-NII-3	151	5755		11.57	11.65	14.62	15.00
		159	5795		11.52	11.71	14.63	15.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Average Power (dBm)	Average Power (dBm)	Tune up
802.11ax 80M	U-NII-1	42	5210	MCS0	10.49	11.11	13.82	14.50
	U-NII-2A	58	5290		11.20	11.74	14.49	15.00
	U-NII-2C	106	5530		11.03	11.30	14.18	15.00
		122	5610		11.15	11.50	14.34	15.00
		138	5690		11.42	11.40	14.42	15.00
	U-NII-3	155	5775		11.11	11.15	14.14	15.00

BT		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	13.59	14.73	13.72	15.50
	$\pi/4$ DQPSK	8.17	9.80	8.90	12.00
	8DPSK	8.10	9.73	9.03	12.00
Band	Channel	0	19	39	Tune up
BLE	1M	-0.34	1.52	1.85	3.00
	2M	-2.09	-0.20	0.13	3.00