

Appendix E

Conducted RF Output Power Table

Measurement of RF Conducted Power
1. Conducted Power of GSM
2. Conducted Power of WCDMA
3. Conducted Power of LTE
4. Conducted Power of LTE DL CA
5. Conducted Power of 5G NR
6 Conducted Power of WIFI
7 Conducted Power of Bluetooth

1. Conducted Power of GSM

GSM 850 Ant0 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	30.43	31.09	30.94	32.00	-9.19	21.24	21.90	21.75	22.81
GPRS/EGPRS (GMSK)	1 TX Slot	30.59	31.25	31.00	32.00	-9.19	21.40	22.06	21.81	22.81
	2 TX Slots	28.09	28.48	28.41	29.50	-6.18	21.91	22.30	22.23	23.32
	3 TX Slots	26.41	26.70	26.61	27.50	-4.42	21.99	22.28	22.19	23.08
	4 TX Slots	24.19	24.49	24.42	25.50	-3.17	21.02	21.32	21.25	22.33
EGPRS(8PSK)	1 TX Slot	24.21	25.03	24.66	26.00	-9.19	15.02	15.84	15.47	16.81
	2 TX Slots	22.93	23.55	23.57	24.50	-6.18	16.75	17.37	17.39	18.32
	3 TX Slots	20.91	21.45	21.26	22.50	-4.42	16.49	17.03	16.84	18.08
	4 TX Slots	18.03	18.57	18.41	19.50	-3.17	14.86	15.40	15.24	16.33

GSM 850 Ant0 Receiver 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	29.51	29.58	29.46	30.00	-9.19	20.32	20.39	20.27	20.81
GPRS/EGPRS (GMSK)	1 TX Slot	29.46	29.58	29.43	30.00	-9.19	20.27	20.39	20.24	20.81
	2 TX Slots	26.33	26.35	26.18	27.50	-6.18	20.15	20.17	20.00	21.32
	3 TX Slots	24.56	24.61	24.41	25.50	-4.42	20.14	20.19	19.99	21.08
	4 TX Slots	22.07	22.12	22.11	23.50	-3.17	18.90	18.95	18.94	20.33
EGPRS(8PSK)	1 TX Slot	23.63	23.72	23.54	24.00	-9.19	14.44	14.53	14.35	14.81
	2 TX Slots	21.55	21.57	21.42	22.50	-6.18	15.37	15.39	15.24	16.32
	3 TX Slots	19.60	19.81	19.72	20.50	-4.42	15.18	15.39	15.30	16.08
	4 TX Slots	16.67	16.73	16.63	17.50	-3.17	13.50	13.56	13.46	14.33

GSM 1900 Ant0 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	30.09	30.22	30.16	31.00	-9.19	20.90	21.03	20.97	21.81
GPRS/EGPRS (GMSK)	1 TX Slot	29.91	30.03	30.02	31.00	-9.19	20.72	20.84	20.83	21.81
	2 TX Slots	27.33	27.51	27.45	28.00	-6.18	21.15	21.33	21.27	21.82
	3 TX Slots	25.61	25.54	25.62	26.00	-4.42	21.19	21.12	21.20	21.58
	4 TX Slots	24.14	24.07	24.16	24.50	-3.17	20.97	20.90	20.99	21.33
EGPRS(8PSK)	1 TX Slot	25.89	25.96	25.95	27.00	-9.19	16.70	16.77	16.76	17.81
	2 TX Slots	24.18	24.26	24.22	25.00	-6.18	18.00	18.08	18.04	18.82
	3 TX Slots	22.32	22.86	22.28	24.00	-4.42	17.90	18.44	17.86	19.58
	4 TX Slots	20.16	20.31	20.21	21.50	-3.17	16.99	17.14	17.04	18.33

GSM 1900 Ant0 Receiver 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	26.97	27.08	26.95	28.00	-9.19	17.78	17.89	17.76	18.81
GPRS/EGPRS (GMSK)	1 TX Slot	26.90	27.09	26.98	28.00	-9.19	17.71	17.90	17.79	18.81
	2 TX Slots	23.71	23.83	23.80	25.00	-6.18	17.53	17.65	17.62	18.82

EGPRS(8PSK)	3 TX Slots	22.08	22.27	22.24	23.00	-4.42	17.66	17.85	17.82	18.58
	4 TX Slots	20.94	21.02	20.85	21.50	-3.17	17.77	17.85	17.68	18.33
	1 TX Slot	23.21	23.24	23.04	24.00	-9.19	14.02	14.05	13.85	14.81
	2 TX Slots	21.17	21.31	21.15	22.00	-6.18	14.99	15.13	14.97	15.82
	3 TX Slots	19.07	19.23	19.21	21.00	-4.42	14.65	14.81	14.79	16.58
	4 TX Slots	17.14	17.28	17.16	18.50	-3.17	13.97	14.11	13.99	15.33

2. Conducted Power of WCDMA

WCDMA Band II Ant0 Full Power					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.99	23.13	23.12	24.00
HSDPA	Subtest 1	21.27	21.36	21.35	22.50
	Subtest 2	21.27	21.39	21.31	22.50
	Subtest 3	21.28	21.36	21.39	22.50
	Subtest 4	21.29	21.31	21.34	22.50
HSUPA	Subtest 1	19.90	19.81	19.79	21.00
	Subtest 2	19.45	19.99	19.98	21.00
	Subtest 3	19.70	19.98	19.98	21.00
	Subtest 4	19.46	19.53	19.98	21.00
	Subtest 5	19.74	19.56	19.97	21.00

WCDMA Band II Ant0 Receiver on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	18.31	18.54	18.44	19.50
HSDPA	Subtest 1	16.76	16.87	16.81	18.00
	Subtest 2	16.81	16.88	16.94	18.00
	Subtest 3	16.74	16.89	16.81	18.00
	Subtest 4	16.67	16.99	16.79	18.00
HSUPA	Subtest 1	15.17	15.35	15.41	16.50
	Subtest 2	15.12	15.37	15.37	16.50
	Subtest 3	15.29	15.34	15.31	16.50
	Subtest 4	15.29	15.40	15.26	16.50
	Subtest 5	15.18	15.47	15.38	16.50

WCDMA Band II Ant0 Hotspot on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	19.68	19.74	19.63	20.50
HSDPA	Subtest 1	17.89	17.88	18.02	19.00
	Subtest 2	17.87	17.96	17.92	19.00
	Subtest 3	17.94	17.98	17.90	19.00
	Subtest 4	17.93	17.99	17.83	19.00
HSUPA	Subtest 1	16.43	16.31	16.40	17.50
	Subtest 2	16.04	16.56	16.50	17.50
	Subtest 3	16.23	16.67	16.56	17.50
	Subtest 4	16.15	16.02	16.67	17.50

	Subtest 5	16.33	16.21	16.52	17.50
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WCDMA Band II Ant0 Sensor on					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	20.32	20.36	20.29	21.00
HSDPA	Subtest 1	18.44	18.51	18.64	19.50
	Subtest 2	18.47	18.62	18.45	19.50
	Subtest 3	18.49	18.60	18.40	19.50
	Subtest 4	18.43	18.60	18.47	19.50
HSUPA	Subtest 1	17.08	16.89	17.05	18.00
	Subtest 2	16.65	17.14	17.16	18.00
	Subtest 3	16.77	17.25	17.23	18.00
	Subtest 4	16.76	16.56	17.33	18.00
	Subtest 5	16.85	16.88	17.22	18.00

WCDMA Band IV Ant0 Full Power					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.66	22.76	22.69	23.50
HSDPA	Subtest 1	20.95	20.95	20.86	22.00
	Subtest 2	20.94	20.93	20.85	22.00
	Subtest 3	20.96	20.94	20.86	22.00
	Subtest 4	20.95	20.80	20.87	22.00
HSUPA	Subtest 1	19.54	19.39	19.47	20.50
	Subtest 2	19.54	19.54	19.24	20.50
	Subtest 3	19.55	19.14	19.44	20.50
	Subtest 4	19.33	19.39	19.44	20.50
	Subtest 5	19.11	19.55	19.46	20.50

WCDMA Band IV Ant0 Receiver on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	18.86	19.06	18.92	20.00
HSDPA	Subtest 1	17.35	17.54	17.37	18.50
	Subtest 2	17.26	17.38	17.37	18.50
	Subtest 3	17.26	17.42	17.33	18.50
	Subtest 4	17.17	17.41	17.30	18.50
HSUPA	Subtest 1	15.75	15.99	15.81	17.00
	Subtest 2	15.80	15.96	15.84	17.00
	Subtest 3	15.85	15.94	15.77	17.00
	Subtest 4	15.69	15.98	15.81	17.00
	Subtest 5	15.79	15.95	15.91	17.00

WCDMA Band IV Ant0 Hotspot on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	20.67	20.93	20.74	21.50
HSDPA	Subtest 1	19.10	19.05	19.05	20.00

HSUPA	Subtest 2	19.07	19.09	19.02	20.00
	Subtest 3	19.14	19.10	18.89	20.00
	Subtest 4	18.96	18.91	18.91	20.00
	Subtest 1	17.67	17.52	17.56	18.50
	Subtest 2	17.69	17.65	17.40	18.50
	Subtest 3	17.54	17.24	17.45	18.50
	Subtest 4	17.42	17.51	17.50	18.50
	Subtest 5	17.28	17.65	17.50	18.50

WCDMA Band V Ant0 Full Power					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.64	22.83	22.81	23.50
HSDPA	Subtest 1	20.92	21.08	21.10	22.00
	Subtest 2	20.88	21.07	21.08	22.00
	Subtest 3	20.89	21.07	21.11	22.00
	Subtest 4	20.90	21.06	21.08	22.00
HSUPA	Subtest 1	19.49	19.67	19.48	20.50
	Subtest 2	19.49	19.67	19.48	20.50
	Subtest 3	19.49	19.67	19.45	20.50
	Subtest 4	19.29	19.24	19.48	20.50
	Subtest 5	19.28	19.49	19.65	20.50

WCDMA Band V Ant0 Receiver on					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	20.71	20.83	20.77	21.50
HSDPA	Subtest 1	19.11	19.31	19.20	20.00
	Subtest 2	19.01	19.20	19.10	20.00
	Subtest 3	19.03	19.26	19.09	20.00
	Subtest 4	19.17	19.21	19.07	20.00
HSUPA	Subtest 1	17.64	17.69	17.62	18.50
	Subtest 2	17.58	17.82	17.70	18.50
	Subtest 3	17.62	17.79	17.74	18.50
	Subtest 4	17.61	17.65	17.77	18.50
	Subtest 5	17.59	17.83	17.72	18.50

3. Conducted Power of LTE

LTE Band 2 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.84	23.04	22.91	24.00
		1	2	22.87	23.00	22.97	24.00
		1	5	22.79	22.92	22.79	24.00
		3	0	22.78	22.90	22.80	24.00
		3	2	22.83	22.97	22.84	24.00

		3	3	22.77	22.93	22.81	24.00
		6	0	21.87	22.01	21.92	23.00
	16QAM	1	0	22.06	22.20	22.02	23.00
		1	2	22.11	22.13	22.19	23.00
		1	5	21.95	21.97	22.13	23.00
		3	0	22.08	22.10	21.95	23.00
		3	2	22.04	22.17	21.95	23.00
		3	3	21.98	22.07	21.94	23.00
		6	0	20.94	21.07	21.11	22.00
	64QAM	1	0	20.75	21.01	20.74	22.00
		1	2	20.74	20.89	20.84	22.00
		1	5	20.65	20.91	20.77	22.00
		3	0	20.64	20.82	20.71	22.00
		3	2	20.67	20.95	20.77	22.00
		3	3	20.74	20.76	20.68	22.00
		6	0	19.78	19.97	19.92	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.01	23.12	23.11	24.00
		1	7	22.87	22.99	23.02	24.00
		1	14	22.76	22.98	22.97	24.00
		8	0	22.08	22.17	22.16	23.00
		8	4	22.08	22.19	22.15	23.00
		8	7	21.96	22.08	22.02	23.00
		15	0	22.00	22.17	22.13	23.00
	16QAM	1	0	22.65	22.28	22.49	23.00
		1	7	21.95	22.02	22.10	23.00
		1	14	21.92	22.58	22.16	23.00
		8	0	21.31	21.26	21.26	22.00
		8	4	21.25	21.40	21.24	22.00
		8	7	21.18	21.27	21.15	22.00
		15	0	21.19	21.29	21.27	22.00
	64QAM	1	0	20.95	21.02	21.06	22.00
		1	7	20.75	20.89	20.93	22.00
		1	14	20.59	20.82	20.88	22.00
		8	0	20.07	20.03	20.06	21.00
		8	4	19.88	20.15	20.09	21.00
		8	7	19.77	19.90	19.94	21.00
		15	0	19.99	20.12	19.99	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.03	23.09	23.14	24.00
		1	13	23.03	23.12	23.01	24.00
		1	24	22.92	22.99	22.92	24.00
		12	0	22.15	22.14	22.25	23.00
		12	6	22.14	22.21	22.18	23.00
		12	13	22.01	22.14	22.08	23.00
		25	0	22.11	22.20	22.14	23.00
	16QAM	1	0	21.97	22.41	22.34	23.00

		1	13	22.05	22.33	22.30	23.00
		1	24	21.85	22.32	22.17	23.00
		12	0	21.18	21.23	21.22	22.00
		12	6	21.13	21.27	21.23	22.00
		12	13	21.07	21.15	21.18	22.00
		25	0	21.15	21.17	21.16	22.00
	64QAM	1	0	20.99	21.02	21.11	22.00
		1	13	20.86	21.00	20.92	22.00
		1	24	20.84	20.91	20.91	22.00
		12	0	20.12	20.02	20.22	21.00
		12	6	20.03	20.21	20.05	21.00
		12	13	19.87	20.03	20.06	21.00
		25	0	20.00	20.10	20.08	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.05	23.07	23.13	24.00
		1	25	22.97	23.08	23.07	24.00
		1	49	22.92	23.06	23.00	24.00
		25	0	22.15	22.17	22.23	23.00
		25	13	22.14	22.24	22.20	23.00
		25	25	22.09	22.19	22.17	23.00
		50	0	22.15	22.21	22.18	23.00
	16QAM	1	0	22.72	22.79	22.43	23.00
		1	25	22.59	22.76	22.33	23.00
		1	49	22.68	22.70	22.64	23.00
		25	0	21.24	21.24	21.24	22.00
		25	13	21.21	21.31	21.23	22.00
		25	25	21.15	21.25	21.10	22.00
		50	0	21.14	21.26	21.09	22.00
	64QAM	1	0	20.93	20.89	20.97	22.00
		1	25	20.79	21.04	21.03	22.00
		1	49	20.74	21.00	20.82	22.00
		25	0	20.11	20.07	20.23	21.00
		25	13	20.13	20.12	20.13	21.00
		25	25	19.99	20.11	20.08	21.00
		50	0	19.99	20.17	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.75	22.93	22.93	24.00
		1	38	22.79	22.94	22.98	24.00
		1	74	22.83	22.98	22.90	24.00
		36	0	21.87	22.01	22.08	23.00
		36	18	21.95	21.97	22.05	23.00
		36	39	21.95	22.05	22.08	23.00
		75	0	21.89	22.11	22.05	23.00
	16QAM	1	0	22.12	22.43	22.64	23.00
		1	38	22.13	22.35	22.60	23.00
		1	74	22.10	22.35	22.54	23.00
		36	0	20.96	21.04	21.19	22.00
		36	18	21.02	21.00	21.10	22.00
		36	39	21.00	21.07	21.10	22.00

	64QAM	75	0	21.08	21.10	21.11	22.00
		1	0	20.61	20.92	20.85	22.00
		1	38	20.76	20.82	20.88	22.00
		1	74	20.80	20.91	20.81	22.00
		36	0	19.84	19.85	19.91	21.00
		36	18	19.87	19.79	19.89	21.00
		36	39	19.81	19.94	19.96	21.00
		75	0	19.79	20.10	19.97	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	22.85	23.15	23.02	24.00
		1	50	22.82	22.91	22.99	24.00
		1	99	22.86	22.96	22.91	24.00
		50	0	21.94	22.03	22.09	23.00
		50	25	22.01	22.05	22.09	23.00
		50	50	21.97	22.01	22.07	23.00
		100	0	22.02	22.07	22.12	23.00
		100	0	22.02	22.07	22.12	23.00
	16QAM	1	0	22.19	22.16	22.28	23.00
		1	50	22.13	22.17	22.27	23.00
		1	99	22.19	22.25	22.15	23.00
		50	0	20.95	21.01	21.07	22.00
		50	25	21.03	21.11	21.02	22.00
		50	50	20.97	21.06	20.97	22.00
		100	0	21.07	21.12	21.03	22.00
		100	0	21.07	21.12	21.03	22.00
	64QAM	1	0	20.68	20.92	20.86	22.00
		1	50	20.74	20.76	20.79	22.00
		1	99	20.74	20.87	20.75	22.00
		50	0	19.84	19.91	19.95	21.00
		50	25	19.84	20.05	20.03	21.00
		50	50	19.91	19.88	19.94	21.00
		100	0	20.01	20.05	20.08	21.00
		100	0	20.01	20.05	20.08	21.00

LTE Band 2 Ant0 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	15.38	15.47	15.27	16.50
		1	2	15.27	15.40	15.43	16.50
		1	5	15.31	15.39	15.31	16.50
		3	0	15.25	15.45	15.38	16.50
		3	2	15.34	15.32	15.42	16.50
		3	3	15.34	15.44	15.43	16.50
		6	0	15.33	15.38	15.29	16.50
		6	0	15.33	15.38	15.29	16.50
	16QAM	1	0	15.41	15.40	15.39	16.50
		1	2	15.34	15.41	15.41	16.50
		1	5	15.26	15.31	15.29	16.50
		3	0	15.32	15.31	15.38	16.50
		3	2	15.23	15.42	15.44	16.50
		3	2	15.23	15.42	15.44	16.50
		3	2	15.23	15.42	15.44	16.50

		3	3	15.36	15.35	15.32	16.50
		6	0	15.38	15.38	15.27	16.50
	64QAM	1	0	15.34	15.36	15.31	16.50
		1	2	15.23	15.31	15.29	16.50
		1	5	15.38	15.44	15.35	16.50
		3	0	15.28	15.31	15.39	16.50
		3	2	15.32	15.43	15.40	16.50
		3	3	15.30	15.32	15.35	16.50
		6	0	15.39	15.46	15.44	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	15.24	15.45	15.42	16.50
		1	7	15.40	15.49	15.31	16.50
		1	14	15.22	15.41	15.36	16.50
		8	0	15.31	15.31	15.39	16.50
		8	4	15.31	15.48	15.30	16.50
		8	7	15.38	15.38	15.30	16.50
		15	0	15.39	15.47	15.38	16.50
	16QAM	1	0	15.22	15.42	15.39	16.50
		1	7	15.21	15.41	15.39	16.50
		1	14	15.26	15.44	15.46	16.50
		8	0	15.29	15.31	15.29	16.50
		8	4	15.31	15.32	15.44	16.50
		8	7	15.23	15.39	15.29	16.50
		15	0	15.31	15.34	15.35	16.50
	64QAM	1	0	15.37	15.41	15.33	16.50
		1	7	15.22	15.35	15.27	16.50
		1	14	15.31	15.36	15.39	16.50
		8	0	15.41	15.32	15.43	16.50
		8	4	15.37	15.39	15.36	16.50
		8	7	15.36	15.44	15.33	16.50
		15	0	15.22	15.39	15.38	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	15.29	15.35	15.37	16.50
		1	13	15.36	15.49	15.28	16.50
		1	24	15.38	15.38	15.30	16.50
		12	0	15.26	15.45	15.42	16.50
		12	6	15.37	15.46	15.35	16.50
		12	13	15.25	15.41	15.28	16.50
		25	0	15.39	15.35	15.31	16.50
	16QAM	1	0	15.28	15.37	15.26	16.50
		1	13	15.35	15.43	15.40	16.50
		1	24	15.37	15.31	15.35	16.50
		12	0	15.31	15.31	15.40	16.50
		12	6	15.27	15.42	15.40	16.50
		12	13	15.32	15.36	15.37	16.50
		25	0	15.22	15.42	15.42	16.50
	64QAM	1	0	15.22	15.40	15.39	16.50

		1	13	15.36	15.43	15.42	16.50
		1	24	15.37	15.46	15.43	16.50
		12	0	15.38	15.34	15.45	16.50
		12	6	15.36	15.49	15.36	16.50
		12	13	15.35	15.46	15.35	16.50
		25	0	15.32	15.33	15.28	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	15.22	15.44	15.40	16.50
		1	25	15.35	15.50	15.38	16.50
		1	49	15.37	15.33	15.31	16.50
		25	0	15.24	15.37	15.37	16.50
		25	13	15.30	15.48	15.30	16.50
		25	25	15.37	15.49	15.45	16.50
		50	0	15.38	15.33	15.30	16.50
	16QAM	1	0	15.33	15.33	15.31	16.50
		1	25	15.24	15.40	15.35	16.50
		1	49	15.38	15.34	15.37	16.50
		25	0	15.31	15.43	15.37	16.50
		25	13	15.25	15.39	15.38	16.50
		25	25	15.26	15.34	15.44	16.50
		50	0	15.27	15.44	15.44	16.50
	64QAM	1	0	15.23	15.30	15.42	16.50
		1	25	15.27	15.36	15.29	16.50
		1	49	15.41	15.33	15.40	16.50
		25	0	15.36	15.33	15.30	16.50
		25	13	15.36	15.40	15.36	16.50
		25	25	15.32	15.47	15.42	16.50
		50	0	15.28	15.45	15.28	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	15.36	15.46	15.31	16.50
		1	38	15.35	15.47	15.38	16.50
		1	74	15.34	15.44	15.44	16.50
		36	0	15.29	15.46	15.33	16.50
		36	18	15.31	15.37	15.29	16.50
		36	39	15.32	15.40	15.41	16.50
		75	0	15.24	15.44	15.37	16.50
	16QAM	1	0	15.25	15.34	15.26	16.50
		1	38	15.33	15.41	15.40	16.50
		1	74	15.32	15.40	15.35	16.50
		36	0	15.29	15.34	15.38	16.50
		36	18	15.40	15.33	15.30	16.50
		36	39	15.28	15.42	15.30	16.50
		75	0	15.38	15.45	15.27	16.50
	64QAM	1	0	15.28	15.37	15.43	16.50
		1	38	15.40	15.38	15.30	16.50
		1	74	15.29	15.33	15.28	16.50
		36	0	15.33	15.49	15.37	16.50
		36	18	15.36	15.32	15.38	16.50
		36	39	15.36	15.39	15.37	16.50

		75	0	15.38	15.42	15.44	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	15.42	15.51	15.47	16.50
		1	50	15.34	15.42	15.29	16.50
		1	99	15.40	15.36	15.37	16.50
		50	0	15.27	15.41	15.37	16.50
		50	25	15.25	15.41	15.38	16.50
		50	50	15.34	15.38	15.41	16.50
		100	0	15.40	15.34	15.39	16.50
	16QAM	1	0	15.34	15.31	15.36	16.50
		1	50	15.36	15.37	15.27	16.50
		1	99	15.37	15.37	15.46	16.50
		50	0	15.26	15.40	15.31	16.50
		50	25	15.36	15.47	15.39	16.50
		50	50	15.41	15.37	15.35	16.50
		100	0	15.38	15.43	15.41	16.50
	64QAM	1	0	15.21	15.35	15.40	16.50
		1	50	15.26	15.45	15.30	16.50
		1	99	15.27	15.37	15.29	16.50
		50	0	15.31	15.33	15.42	16.50
		50	25	15.27	15.46	15.38	16.50
		50	50	15.24	15.33	15.35	16.50
		100	0	15.33	15.39	15.42	16.50

LTE Band 2 Ant0 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	14.84	15.07	14.91	16.00
		1	2	14.81	14.94	14.80	16.00
		1	5	14.83	15.01	14.88	16.00
		3	0	14.82	14.91	14.90	16.00
		3	2	14.87	14.94	14.94	16.00
		3	3	14.70	14.98	14.80	16.00
		6	0	14.71	15.05	14.82	16.00
	16QAM	1	0	14.74	14.90	14.82	16.00
		1	2	14.82	15.06	14.76	16.00
		1	5	14.80	15.00	14.79	16.00
		3	0	14.81	14.94	14.82	16.00
		3	2	14.82	14.96	14.83	16.00
		3	3	14.81	14.89	14.83	16.00
		6	0	14.88	14.90	14.89	16.00
	64QAM	1	0	14.71	14.94	14.80	16.00
		1	2	14.85	15.02	14.82	16.00
		1	5	14.74	15.01	14.83	16.00
		3	0	14.80	14.90	14.77	16.00
		3	2	14.78	15.00	14.89	16.00

		3	3	14.71	14.97	14.84	16.00
		6	0	14.87	15.03	14.86	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	14.77	15.05	14.93	16.00
		1	7	14.75	14.96	14.92	16.00
		1	14	14.86	14.99	14.75	16.00
		8	0	14.84	14.89	14.85	16.00
		8	4	14.82	14.94	14.85	16.00
		8	7	14.80	15.03	14.91	16.00
		15	0	14.77	14.92	14.74	16.00
	16QAM	1	0	14.75	14.91	14.91	16.00
		1	7	14.83	14.89	14.76	16.00
		1	14	14.69	15.02	14.75	16.00
		8	0	14.73	15.00	14.85	16.00
		8	4	14.81	15.04	14.92	16.00
		8	7	14.74	15.03	14.91	16.00
		15	0	14.68	14.98	14.85	16.00
	64QAM	1	0	14.88	14.96	14.88	16.00
		1	7	14.86	14.99	14.89	16.00
		1	14	14.82	14.88	14.79	16.00
		8	0	14.78	14.91	14.86	16.00
		8	4	14.76	14.88	14.79	16.00
		8	7	14.70	14.88	14.79	16.00
		15	0	14.85	15.01	14.85	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	14.70	15.06	14.89	16.00
		1	13	14.74	14.94	14.87	16.00
		1	24	14.72	14.90	14.78	16.00
		12	0	14.81	14.89	14.83	16.00
		12	6	14.76	14.90	14.86	16.00
		12	13	14.76	14.87	14.78	16.00
		25	0	14.69	14.97	14.85	16.00
	16QAM	1	0	14.81	14.94	14.85	16.00
		1	13	14.87	15.01	14.92	16.00
		1	24	14.82	14.94	14.90	16.00
		12	0	14.85	15.02	14.93	16.00
		12	6	14.71	14.87	14.77	16.00
		12	13	14.80	14.95	14.93	16.00
		25	0	14.73	14.97	14.92	16.00
	64QAM	1	0	14.75	14.93	14.75	16.00
		1	13	14.79	15.05	14.88	16.00
		1	24	14.79	14.99	14.89	16.00
		12	0	14.88	14.90	14.86	16.00
		12	6	14.85	14.95	14.85	16.00
		12	13	14.83	14.95	14.93	16.00
		25	0	14.80	15.07	14.83	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				18650	18900	19150	
10MHz	QPSK	1	0	14.85	15.03	14.94	16.00
		1	25	14.68	14.94	14.85	16.00
		1	49	14.75	14.99	14.92	16.00
		25	0	14.82	14.91	14.76	16.00
		25	13	14.86	15.01	14.89	16.00
		25	25	14.81	14.90	14.79	16.00
		50	0	14.69	14.89	14.80	16.00
	16QAM	1	0	14.78	14.93	14.81	16.00
		1	25	14.72	14.94	14.91	16.00
		1	49	14.85	14.88	14.93	16.00
		25	0	14.78	15.01	14.87	16.00
		25	13	14.73	14.96	14.93	16.00
		25	25	14.70	14.98	14.88	16.00
		50	0	14.71	14.91	14.79	16.00
	64QAM	1	0	14.85	15.05	14.91	16.00
		1	25	14.86	14.88	14.87	16.00
		1	49	14.82	14.90	14.89	16.00
		25	0	14.86	14.88	14.87	16.00
		25	13	14.71	15.05	14.77	16.00
		25	25	14.72	14.97	14.79	16.00
		50	0	14.87	14.89	14.91	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 18675	Channel 18900	Channel 19125	Tune up
15MHz	QPSK	1	0	14.84	15.07	14.80	16.00
		1	38	14.80	14.89	14.78	16.00
		1	74	14.68	14.91	14.81	16.00
		36	0	14.83	15.02	14.77	16.00
		36	18	14.87	15.02	14.94	16.00
		36	39	14.72	15.03	14.81	16.00
		75	0	14.83	14.89	14.88	16.00
	16QAM	1	0	14.83	14.93	14.89	16.00
		1	38	14.77	14.89	14.93	16.00
		1	74	14.72	14.98	14.90	16.00
		36	0	14.87	14.90	14.75	16.00
		36	18	14.69	15.02	14.93	16.00
		36	39	14.79	14.92	14.80	16.00
		75	0	14.73	15.00	14.75	16.00
	64QAM	1	0	14.82	14.88	14.79	16.00
		1	38	14.83	14.99	14.81	16.00
		1	74	14.84	14.97	14.77	16.00
		36	0	14.69	14.94	14.86	16.00
		36	18	14.76	15.05	14.93	16.00
		36	39	14.70	15.03	14.83	16.00
		75	0	14.80	14.90	14.82	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	14.89	15.08	14.95	16.00
		1	50	14.75	14.89	14.91	16.00
		1	99	14.87	15.05	14.88	16.00
		50	0	14.83	15.03	14.94	16.00

		50	25	14.79	14.89	14.76	16.00
		50	50	14.82	14.99	14.94	16.00
		100	0	14.88	15.04	14.82	16.00
	16QAM	1	0	14.71	15.06	14.77	16.00
		1	50	14.79	15.03	14.88	16.00
		1	99	14.87	15.06	14.76	16.00
		50	0	14.83	15.01	14.76	16.00
		50	25	14.69	14.92	14.76	16.00
		50	50	14.88	14.90	14.92	16.00
		100	0	14.78	14.92	14.92	16.00
		1	0	14.78	15.01	14.80	16.00
	64QAM	1	50	14.82	15.06	14.85	16.00
		1	99	14.85	14.94	14.84	16.00
		50	0	14.88	14.95	14.85	16.00
		50	25	14.80	14.96	14.91	16.00
		50	50	14.83	15.07	14.78	16.00
		100	0	14.86	15.01	14.83	16.00

LTE Band 2 Ant0 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	16.35	16.67	16.43	17.50
		1	2	16.36	16.27	16.42	17.50
		1	5	16.48	16.42	16.41	17.50
		3	0	16.39	16.50	16.51	17.50
		3	2	16.19	16.30	16.12	17.50
		3	3	16.28	16.28	16.38	17.50
		6	0	16.20	16.48	16.42	17.50
	16QAM	1	0	16.22	16.48	16.30	17.50
		1	2	16.44	16.54	16.36	17.50
		1	5	16.33	16.39	16.18	17.50
		3	0	16.33	16.42	16.33	17.50
		3	2	16.32	16.35	16.18	17.50
		3	3	16.43	16.46	16.53	17.50
		6	0	16.32	16.37	16.46	17.50
	64QAM	1	0	16.28	16.31	16.39	17.50
		1	2	16.38	16.56	16.31	17.50
		1	5	16.35	16.41	16.32	17.50
		3	0	16.41	16.46	16.42	17.50
		3	2	16.14	16.42	16.43	17.50
		3	3	16.47	16.38	16.32	17.50
		6	0	16.32	16.40	16.20	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	16.32	16.64	16.61	17.50
		1	7	16.29	16.22	16.52	17.50
		1	14	16.52	16.45	16.42	17.50

		8	0	16.27	16.36	16.50	17.50
		8	4	16.15	16.30	16.23	17.50
		8	7	16.29	16.29	16.46	17.50
		15	0	16.28	16.43	16.29	17.50
	16QAM	1	0	16.26	16.53	16.29	17.50
		1	7	16.44	16.61	16.39	17.50
		1	14	16.45	16.43	16.36	17.50
		8	0	16.27	16.43	16.31	17.50
		8	4	16.32	16.47	16.20	17.50
		8	7	16.38	16.33	16.47	17.50
		15	0	16.33	16.26	16.38	17.50
	64QAM	1	0	16.15	16.40	16.38	17.50
		1	7	16.44	16.53	16.33	17.50
		1	14	16.35	16.38	16.18	17.50
		8	0	16.49	16.52	16.47	17.50
		8	4	16.30	16.48	16.50	17.50
		8	7	16.41	16.49	16.23	17.50
		15	0	16.39	16.46	16.23	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	16.44	16.63	16.61	17.50
		1	13	16.27	16.24	16.46	17.50
		1	24	16.40	16.41	16.38	17.50
		12	0	16.39	16.36	16.48	17.50
		12	6	16.21	16.38	16.15	17.50
		12	13	16.27	16.42	16.36	17.50
		25	0	16.22	16.30	16.29	17.50
	16QAM	1	0	16.32	16.61	16.29	17.50
		1	13	16.29	16.62	16.28	17.50
		1	24	16.39	16.50	16.19	17.50
		12	0	16.35	16.50	16.34	17.50
		12	6	16.19	16.39	16.14	17.50
		12	13	16.40	16.46	16.48	17.50
		25	0	16.27	16.40	16.49	17.50
	64QAM	1	0	16.26	16.30	16.43	17.50
		1	13	16.37	16.62	16.32	17.50
		1	24	16.37	16.49	16.20	17.50
		12	0	16.51	16.47	16.38	17.50
		12	6	16.14	16.49	16.37	17.50
		12	13	16.38	16.41	16.37	17.50
		25	0	16.37	16.36	16.22	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	16.36	16.63	16.43	17.50
		1	25	16.34	16.31	16.51	17.50
		1	49	16.42	16.37	16.39	17.50
		25	0	16.42	16.34	16.43	17.50
		25	13	16.19	16.24	16.27	17.50
		25	25	16.29	16.31	16.48	17.50
		50	0	16.33	16.42	16.25	17.50

	16QAM	1	0	16.29	16.52	16.26	17.50
		1	25	16.28	16.55	16.29	17.50
		1	49	16.29	16.39	16.22	17.50
		25	0	16.17	16.49	16.29	17.50
		25	13	16.22	16.38	16.20	17.50
		25	25	16.41	16.41	16.58	17.50
		50	0	16.26	16.40	16.41	17.50
	64QAM	1	0	16.25	16.28	16.34	17.50
		1	25	16.30	16.43	16.40	17.50
		1	49	16.50	16.53	16.16	17.50
		25	0	16.50	16.61	16.46	17.50
		25	13	16.18	16.52	16.56	17.50
		25	25	16.43	16.42	16.33	17.50
		50	0	16.38	16.49	16.26	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	16.36	16.57	16.60	17.50
		1	38	16.35	16.34	16.49	17.50
		1	74	16.45	16.40	16.47	17.50
		36	0	16.46	16.50	16.40	17.50
		36	18	16.28	16.33	16.15	17.50
		36	39	16.37	16.35	16.37	17.50
		75	0	16.32	16.44	16.29	17.50
	16QAM	1	0	16.20	16.45	16.44	17.50
		1	38	16.30	16.57	16.41	17.50
		1	74	16.40	16.41	16.26	17.50
		36	0	16.21	16.40	16.43	17.50
		36	18	16.22	16.33	16.20	17.50
		36	39	16.27	16.38	16.55	17.50
		75	0	16.20	16.39	16.46	17.50
	64QAM	1	0	16.24	16.28	16.31	17.50
		1	38	16.36	16.55	16.23	17.50
		1	74	16.48	16.50	16.30	17.50
		36	0	16.42	16.52	16.39	17.50
		36	18	16.19	16.48	16.52	17.50
		36	39	16.30	16.42	16.32	17.50
		75	0	16.35	16.44	16.37	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	16.50	16.66	16.61	17.50
		1	50	16.40	16.40	16.56	17.50
		1	99	16.52	16.47	16.48	17.50
		50	0	16.46	16.52	16.51	17.50
		50	25	16.32	16.41	16.31	17.50
		50	50	16.45	16.46	16.49	17.50
		100	0	16.38	16.47	16.42	17.50
	16QAM	1	0	16.32	16.62	16.44	17.50
		1	50	16.46	16.65	16.45	17.50
		1	99	16.48	16.51	16.37	17.50
		50	0	16.34	16.57	16.43	17.50
		50	25	16.32	16.51	16.32	17.50

		50	50	16.44	16.46	16.62	17.50
		100	0	16.35	16.43	16.56	17.50
	64QAM	1	0	16.28	16.46	16.46	17.50
		1	50	16.43	16.62	16.42	17.50
		1	99	16.51	16.55	16.34	17.50
		50	0	16.50	16.62	16.53	17.50
		50	25	16.32	16.57	16.56	17.50
		50	50	16.47	16.49	16.41	17.50
		100	0	16.49	16.48	16.36	17.50

LTE Band 2 Ant4 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.06	23.25	23.10	24.00
		1	2	23.04	23.05	22.99	24.00
		1	5	22.88	23.12	22.95	24.00
		3	0	22.63	22.93	22.88	24.00
		3	2	22.63	22.80	22.58	24.00
		3	3	22.46	22.59	22.71	24.00
		6	0	22.24	22.30	22.12	23.00
	16QAM	1	0	21.89	22.03	21.93	23.00
		1	2	22.00	22.02	21.95	23.00
		1	5	21.78	22.00	21.91	23.00
		3	0	21.44	21.79	21.75	23.00
		3	2	21.44	21.60	21.45	23.00
		3	3	21.44	21.58	21.60	23.00
		6	0	21.05	21.22	21.01	22.00
	64QAM	1	0	20.77	21.01	20.74	22.00
		1	2	20.97	20.96	20.84	22.00
		1	5	20.65	20.73	20.81	22.00
		3	0	20.23	20.73	20.62	22.00
		3	2	20.28	20.43	20.32	22.00
		3	3	20.37	20.45	20.43	22.00
		6	0	20.07	20.04	20.01	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.05	23.21	23.11	24.00
		1	7	22.98	23.11	22.96	24.00
		1	14	22.94	23.09	22.95	24.00
		8	0	22.07	22.34	22.37	23.00
		8	4	22.15	22.26	22.04	23.00
		8	7	21.95	22.05	22.18	23.00
		15	0	22.17	22.31	22.13	23.00
	16QAM	1	0	21.94	22.07	21.93	23.00
		1	7	21.97	22.06	21.96	23.00
		1	14	21.73	21.96	21.92	23.00
		8	0	20.93	21.35	21.24	22.00

		8	4	20.88	21.19	20.99	22.00
		8	7	20.95	21.09	21.16	22.00
		15	0	21.08	21.21	21.03	22.00
	64QAM	1	0	20.69	21.05	20.73	22.00
		1	7	20.91	21.01	20.82	22.00
		1	14	20.61	20.77	20.83	22.00
		8	0	19.72	20.20	20.06	21.00
		8	4	19.75	20.01	19.80	21.00
		8	7	19.87	19.99	19.95	21.00
		15	0	20.08	20.08	20.00	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.01	23.26	23.12	24.00
		1	13	22.98	23.14	22.99	24.00
		1	24	22.86	23.05	22.98	24.00
		12	0	22.08	22.40	22.38	23.00
		12	6	22.14	22.24	22.07	23.00
		12	13	22.01	22.07	22.14	23.00
		25	0	22.16	22.34	22.17	23.00
	16QAM	1	0	21.84	22.09	21.95	23.00
		1	13	21.99	22.06	21.88	23.00
		1	24	21.80	22.01	21.89	23.00
		12	0	20.96	21.33	21.29	22.00
		12	6	20.94	21.17	20.95	22.00
		12	13	20.99	21.12	21.14	22.00
		25	0	21.04	21.24	20.96	22.00
	64QAM	1	0	20.72	21.00	20.77	22.00
		1	13	20.90	20.96	20.84	22.00
		1	24	20.67	20.81	20.82	22.00
		12	0	19.71	20.23	20.10	21.00
		12	6	19.80	19.98	19.86	21.00
		12	13	19.92	19.95	19.96	21.00
		25	0	20.06	20.04	20.00	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.02	23.19	23.15	24.00
		1	25	23.00	23.05	22.98	24.00
		1	49	22.94	23.12	23.00	24.00
		25	0	22.14	22.42	22.32	23.00
		25	13	22.07	22.33	22.03	23.00
		25	25	22.03	22.07	22.12	23.00
		50	0	22.25	22.33	22.15	23.00
	16QAM	1	0	21.90	22.13	21.93	23.00
		1	25	22.01	22.11	21.96	23.00
		1	49	21.80	21.92	21.85	23.00
		25	0	20.96	21.32	21.23	22.00
		25	13	20.98	21.18	20.95	22.00
		25	25	20.95	21.04	21.07	22.00
		50	0	21.13	21.20	20.97	22.00
	64QAM	1	0	20.68	21.09	20.78	22.00

		1	25	20.89	20.96	20.78	22.00
		1	49	20.66	20.79	20.79	22.00
		25	0	19.79	20.25	20.13	21.00
		25	13	19.82	20.00	19.88	21.00
		25	25	19.91	19.95	19.91	21.00
		50	0	20.06	20.00	19.93	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.01	23.27	23.10	24.00
		1	38	23.02	23.08	22.94	24.00
		1	74	22.84	23.10	22.96	24.00
		36	0	22.07	22.38	22.33	23.00
		36	18	22.12	22.32	22.06	23.00
		36	39	22.03	22.05	22.16	23.00
		75	0	22.17	22.25	22.14	23.00
	16QAM	1	0	21.91	22.11	21.91	23.00
		1	38	21.98	22.07	21.86	23.00
		1	74	21.78	21.93	21.86	23.00
		36	0	20.91	21.34	21.23	22.00
		36	18	20.93	21.16	20.92	22.00
		36	39	20.92	21.04	21.12	22.00
		75	0	21.06	21.27	21.02	22.00
	64QAM	1	0	20.75	21.00	20.75	22.00
		1	38	20.94	20.95	20.78	22.00
		1	74	20.64	20.77	20.80	22.00
		36	0	19.74	20.22	20.12	21.00
		36	18	19.85	20.00	19.87	21.00
		36	39	19.92	19.97	19.89	21.00
		75	0	20.07	20.04	19.99	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.12	23.29	23.20	24.00
		1	50	23.07	23.15	23.02	24.00
		1	99	22.95	23.14	23.03	24.00
		50	0	22.18	22.44	22.40	23.00
		50	25	22.16	22.35	22.09	23.00
		50	50	22.06	22.15	22.22	23.00
		100	0	22.27	22.36	22.21	23.00
	16QAM	1	0	21.95	22.14	22.02	23.00
		1	50	22.04	22.13	21.97	23.00
		1	99	21.82	22.02	21.94	23.00
		50	0	21.02	21.37	21.34	22.00
		50	25	20.99	21.20	21.01	22.00
		50	50	21.03	21.13	21.17	22.00
		100	0	21.15	21.30	21.06	22.00
	64QAM	1	0	20.78	21.11	20.84	22.00
		1	50	20.99	21.03	20.87	22.00
		1	99	20.70	20.83	20.85	22.00
		50	0	19.82	20.29	20.16	21.00
		50	25	19.86	20.02	19.90	21.00
		50	50	19.93	20.02	19.98	21.00

		100	0	20.11	20.11	20.04	21.00
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LTE Band 4 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.00	22.79	22.61	24.00
		1	2	22.96	22.86	22.68	24.00
		1	5	22.84	22.76	22.59	24.00
		3	0	22.91	22.83	22.53	24.00
		3	2	22.96	22.82	22.65	24.00
		3	3	22.89	22.79	22.55	24.00
		6	0	21.91	21.85	21.65	23.00
	16QAM	1	0	21.97	22.04	21.68	23.00
		1	2	22.02	22.13	21.86	23.00
		1	5	21.89	22.05	21.62	23.00
		3	0	22.14	21.94	21.78	23.00
		3	2	22.26	21.96	21.83	23.00
		3	3	22.15	21.87	21.69	23.00
		6	0	21.04	20.94	20.68	22.00
	64QAM	1	0	21.23	20.87	20.62	22.00
		1	2	21.14	20.89	20.50	22.00
		1	5	20.79	21.04	20.67	22.00
		3	0	21.15	20.79	20.78	22.00
		3	2	21.12	20.72	20.69	22.00
		3	3	21.06	20.92	20.66	22.00
		6	0	19.97	20.13	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	23.00	22.91	22.68	24.00
		1	7	22.90	22.83	22.71	24.00
		1	14	22.97	22.88	22.64	24.00
		8	0	22.04	21.93	21.77	23.00
		8	4	22.09	21.99	21.79	23.00
		8	7	22.05	21.93	21.77	23.00
		15	0	22.06	21.95	21.73	23.00
	16QAM	1	0	22.64	22.02	21.77	23.00
		1	7	22.55	22.00	21.88	23.00
		1	14	22.58	21.94	21.63	23.00
		8	0	21.21	20.97	20.79	22.00
		8	4	21.26	20.99	20.87	22.00
		8	7	21.20	20.97	20.83	22.00
		15	0	21.15	20.87	20.70	22.00
	64QAM	1	0	20.87	20.83	20.64	22.00
		1	7	20.85	20.79	20.63	22.00
		1	14	20.94	20.86	20.55	22.00
		8	0	19.88	19.77	19.65	21.00
		8	4	19.98	19.80	19.53	21.00

		8	7	19.87	19.82	19.59	21.00
		15	0	19.89	19.82	19.50	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.94	22.97	22.76	24.00
		1	13	22.91	22.96	22.81	24.00
		1	24	22.94	22.91	22.71	24.00
		12	0	22.08	21.96	21.80	23.00
		12	6	22.07	22.00	21.78	23.00
		12	13	22.02	21.96	21.72	23.00
		25	0	22.08	21.94	21.74	23.00
	16QAM	1	0	21.98	22.23	21.93	23.00
		1	13	22.01	22.21	21.97	23.00
		1	24	21.98	22.16	21.84	23.00
		12	0	21.06	21.03	20.77	22.00
		12	6	21.04	21.01	20.78	22.00
		12	13	21.03	20.99	20.70	22.00
		25	0	21.10	20.94	20.81	22.00
	64QAM	1	0	20.98	20.96	20.64	22.00
		1	13	20.90	20.95	20.72	22.00
		1	24	20.90	20.79	20.72	22.00
		12	0	19.85	19.79	19.70	21.00
		12	6	19.92	19.88	19.68	21.00
		12	13	19.97	19.88	19.73	21.00
		25	0	20.00	19.96	19.63	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.93	22.85	22.86	24.00
		1	25	22.91	22.87	22.75	24.00
		1	49	22.89	22.76	22.67	24.00
		25	0	22.09	21.95	21.85	23.00
		25	13	22.09	21.99	21.85	23.00
		25	25	22.04	21.87	21.80	23.00
		50	0	22.04	21.88	21.81	23.00
	16QAM	1	0	22.63	22.13	22.07	23.00
		1	25	22.51	22.03	21.93	23.00
		1	49	22.50	22.05	21.92	23.00
		25	0	21.15	20.91	20.88	22.00
		25	13	21.10	21.00	20.94	22.00
		25	25	21.05	20.88	20.85	22.00
		50	0	21.05	20.89	20.83	22.00
	64QAM	1	0	20.84	20.85	20.80	22.00
		1	25	20.93	20.74	20.80	22.00
		1	49	20.95	20.68	20.72	22.00
		25	0	19.92	19.68	19.67	21.00
		25	13	19.99	19.77	19.85	21.00
		25	25	19.81	19.66	19.85	21.00
		50	0	19.95	19.71	19.78	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	

15MHz	QPSK	1	0	22.91	22.93	22.76	24.00
		1	38	22.79	22.75	22.63	24.00
		1	74	22.88	22.65	22.52	24.00
		36	0	21.95	21.82	21.78	23.00
		36	18	21.95	21.83	21.75	23.00
		36	39	21.85	21.77	21.71	23.00
		75	0	21.90	21.77	21.73	23.00
	16QAM	1	0	22.55	22.00	22.17	23.00
		1	38	22.44	21.94	22.04	23.00
		1	74	22.36	21.92	21.88	23.00
		36	0	20.98	20.83	20.76	22.00
		36	18	20.98	20.85	20.76	22.00
		36	39	20.91	20.77	20.67	22.00
		75	0	20.94	20.78	20.72	22.00
	64QAM	1	0	20.88	20.96	20.69	22.00
		1	38	20.78	20.83	20.65	22.00
		1	74	20.81	20.88	20.74	22.00
		36	0	19.90	19.84	19.62	21.00
		36	18	19.81	19.81	19.72	21.00
		36	39	19.86	19.94	19.65	21.00
		75	0	19.84	19.91	19.64	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	22.87	23.02	22.92	24.00
		1	50	22.75	22.70	22.52	24.00
		1	99	22.70	22.63	22.56	24.00
		50	0	21.96	21.82	21.79	23.00
		50	25	21.95	21.80	21.75	23.00
		50	50	21.87	21.68	21.66	23.00
		100	0	21.91	21.77	21.75	23.00
	16QAM	1	0	22.56	22.17	22.07	23.00
		1	50	22.41	22.01	21.91	23.00
		1	99	22.46	21.96	21.73	23.00
		50	0	20.92	20.79	20.80	22.00
		50	25	20.87	20.75	20.77	22.00
		50	50	20.80	20.70	20.70	22.00
		100	0	20.94	20.81	20.75	22.00
	64QAM	1	0	20.82	20.81	21.07	22.00
		1	50	20.72	20.83	21.10	22.00
		1	99	20.79	20.85	20.94	22.00
		50	0	19.79	19.71	20.07	21.00
		50	25	19.81	19.80	19.98	21.00
		50	50	19.80	19.82	19.99	21.00
		100	0	19.74	19.77	19.99	21.00

LTE Band 4 Ant0 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				19957	20175	20393	
1.4MHz	QPSK	1	0	16.08	16.35	16.12	17.50
		1	2	16.07	16.28	16.27	17.50
		1	5	16.07	16.16	16.15	17.50
		3	0	16.23	16.17	16.13	17.50
		3	2	16.19	16.24	16.22	17.50
		3	3	16.16	16.26	16.14	17.50
		6	0	16.24	16.26	16.24	17.50
	16QAM	1	0	16.10	16.18	16.20	17.50
		1	2	16.08	16.26	16.26	17.50
		1	5	16.17	16.17	16.16	17.50
		3	0	16.20	16.32	16.20	17.50
		3	2	16.07	16.20	16.12	17.50
		3	3	16.17	16.17	16.30	17.50
		6	0	16.21	16.26	16.27	17.50
	64QAM	1	0	16.10	16.32	16.15	17.50
		1	2	16.11	16.17	16.13	17.50
		1	5	16.14	16.32	16.11	17.50
		3	0	16.11	16.17	16.11	17.50
		3	2	16.09	16.16	16.24	17.50
		3	3	16.23	16.29	16.30	17.50
		6	0	16.15	16.22	16.12	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	16.15	16.36	16.31	17.50
		1	7	16.19	16.20	16.31	17.50
		1	14	16.06	16.27	16.31	17.50
		8	0	16.11	16.34	16.31	17.50
		8	4	16.21	16.19	16.13	17.50
		8	7	16.14	16.28	16.30	17.50
		15	0	16.23	16.26	16.16	17.50
	16QAM	1	0	16.08	16.29	16.22	17.50
		1	7	16.07	16.21	16.22	17.50
		1	14	16.17	16.21	16.12	17.50
		8	0	16.18	16.22	16.29	17.50
		8	4	16.25	16.32	16.31	17.50
		8	7	16.19	16.27	16.27	17.50
		15	0	16.18	16.32	16.17	17.50
	64QAM	1	0	16.11	16.33	16.20	17.50
		1	7	16.21	16.26	16.20	17.50
		1	14	16.08	16.22	16.18	17.50
		8	0	16.15	16.24	16.28	17.50
		8	4	16.09	16.34	16.20	17.50
		8	7	16.15	16.24	16.15	17.50
		15	0	16.08	16.18	16.19	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	16.08	16.30	16.15	17.50
		1	13	16.07	16.36	16.31	17.50

		1	24	16.08	16.33	16.25	17.50
		12	0	16.14	16.35	16.13	17.50
		12	6	16.11	16.30	16.25	17.50
		12	13	16.24	16.19	16.17	17.50
		25	0	16.08	16.26	16.25	17.50
	16QAM	1	0	16.26	16.25	16.19	17.50
		1	13	16.22	16.31	16.14	17.50
		1	24	16.22	16.28	16.27	17.50
		12	0	16.09	16.23	16.30	17.50
		12	6	16.10	16.28	16.11	17.50
		12	13	16.25	16.32	16.18	17.50
		25	0	16.18	16.33	16.19	17.50
	64QAM	1	0	16.19	16.32	16.21	17.50
		1	13	16.23	16.27	16.22	17.50
		1	24	16.10	16.31	16.28	17.50
		12	0	16.06	16.33	16.30	17.50
		12	6	16.08	16.26	16.26	17.50
		12	13	16.11	16.30	16.12	17.50
		25	0	16.14	16.30	16.13	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	16.09	16.22	16.29	17.50
		1	25	16.18	16.34	16.17	17.50
		1	49	16.23	16.30	16.19	17.50
		25	0	16.21	16.20	16.22	17.50
		25	13	16.10	16.29	16.24	17.50
		25	25	16.12	16.19	16.29	17.50
		50	0	16.11	16.28	16.17	17.50
	16QAM	1	0	16.13	16.23	16.13	17.50
		1	25	16.21	16.24	16.27	17.50
		1	49	16.09	16.22	16.17	17.50
		25	0	16.10	16.23	16.26	17.50
		25	13	16.18	16.30	16.26	17.50
		25	25	16.15	16.22	16.24	17.50
		50	0	16.24	16.32	16.30	17.50
	64QAM	1	0	16.12	16.25	16.29	17.50
		1	25	16.14	16.29	16.14	17.50
		1	49	16.16	16.30	16.14	17.50
		25	0	16.10	16.32	16.30	17.50
		25	13	16.24	16.36	16.23	17.50
		25	25	16.19	16.23	16.28	17.50
		50	0	16.11	16.18	16.23	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	16.11	16.35	16.21	17.50
		1	38	16.14	16.22	16.28	17.50
		1	74	16.19	16.24	16.26	17.50
		36	0	16.20	16.28	16.23	17.50
		36	18	16.20	16.34	16.30	17.50
		36	39	16.20	16.32	16.15	17.50
		75	0	16.25	16.17	16.23	17.50

	16QAM	1	0	16.18	16.29	16.17	17.50
		1	38	16.24	16.34	16.26	17.50
		1	74	16.19	16.21	16.20	17.50
		36	0	16.14	16.33	16.14	17.50
		36	18	16.07	16.29	16.21	17.50
		36	39	16.13	16.24	16.20	17.50
		75	0	16.18	16.19	16.28	17.50
	64QAM	1	0	16.09	16.28	16.27	17.50
		1	38	16.12	16.34	16.15	17.50
		1	74	16.26	16.36	16.17	17.50
		36	0	16.10	16.35	16.26	17.50
		36	18	16.08	16.35	16.22	17.50
		36	39	16.19	16.24	16.19	17.50
		75	0	16.15	16.19	16.12	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	16.27	16.37	16.32	17.50
		1	50	16.22	16.27	16.24	17.50
		1	99	16.13	16.20	16.12	17.50
		50	0	16.24	16.30	16.28	17.50
		50	25	16.14	16.23	16.25	17.50
		50	50	16.25	16.23	16.18	17.50
		100	0	16.15	16.17	16.28	17.50
	16QAM	1	0	16.21	16.32	16.18	17.50
		1	50	16.23	16.22	16.24	17.50
		1	99	16.11	16.16	16.19	17.50
		50	0	16.18	16.26	16.16	17.50
		50	25	16.09	16.30	16.18	17.50
		50	50	16.25	16.28	16.23	17.50
		100	0	16.10	16.28	16.27	17.50
	64QAM	1	0	16.21	16.16	16.19	17.50
		1	50	16.10	16.29	16.25	17.50
		1	99	16.09	16.25	16.13	17.50
		50	0	16.15	16.24	16.11	17.50
		50	25	16.22	16.22	16.25	17.50
		50	50	16.21	16.26	16.27	17.50
		100	0	16.13	16.32	16.11	17.50

LTE Band 4 Ant0 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	17.11	17.31	17.18	18.50
		1	2	17.03	17.27	17.23	18.50
		1	5	17.14	17.15	17.23	18.50
		3	0	17.03	17.14	17.24	18.50
		3	2	17.08	17.13	17.17	18.50
		3	3	17.12	17.28	17.18	18.50

	16QAM	6	0	16.97	17.13	17.17	18.50
		1	0	17.07	17.19	17.10	18.50
		1	2	17.09	17.25	17.20	18.50
		1	5	17.06	17.14	17.13	18.50
		3	0	17.05	17.21	17.08	18.50
		3	2	16.98	17.26	17.25	18.50
		3	3	16.99	17.19	17.09	18.50
		6	0	17.05	17.30	17.21	18.50
	64QAM	1	0	17.08	17.18	17.07	18.50
		1	2	17.11	17.21	17.22	18.50
		1	5	17.01	17.30	17.07	18.50
		3	0	17.14	17.17	17.13	18.50
		3	2	17.08	17.18	17.16	18.50
		3	3	16.99	17.13	17.10	18.50
		6	0	17.15	17.15	17.19	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	17.00	17.26	17.26	18.50
		1	7	16.96	17.31	17.16	18.50
		1	14	17.13	17.24	17.20	18.50
		8	0	17.04	17.13	17.16	18.50
		8	4	17.01	17.14	17.22	18.50
		8	7	17.01	17.21	17.21	18.50
		15	0	17.04	17.18	17.07	18.50
	16QAM	1	0	16.99	17.21	17.24	18.50
		1	7	17.13	17.19	17.21	18.50
		1	14	16.99	17.15	17.18	18.50
		8	0	17.06	17.18	17.21	18.50
		8	4	17.12	17.12	17.19	18.50
		8	7	17.12	17.29	17.19	18.50
		15	0	17.14	17.26	17.24	18.50
	64QAM	1	0	17.06	17.19	17.15	18.50
		1	7	17.07	17.30	17.16	18.50
		1	14	17.08	17.19	17.25	18.50
		8	0	16.97	17.29	17.13	18.50
		8	4	17.12	17.14	17.18	18.50
		8	7	17.10	17.30	17.10	18.50
		15	0	17.14	17.30	17.20	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.10	17.32	17.20	18.50
		1	13	17.05	17.23	17.24	18.50
		1	24	17.14	17.29	17.11	18.50
		12	0	16.99	17.18	17.15	18.50
		12	6	17.14	17.13	17.06	18.50
		12	13	17.13	17.13	17.20	18.50
		25	0	17.11	17.14	17.14	18.50
	16QAM	1	0	17.07	17.23	17.23	18.50
		1	13	17.13	17.29	17.25	18.50

		1	24	17.08	17.12	17.09	18.50
		12	0	17.13	17.15	17.11	18.50
		12	6	17.15	17.29	17.09	18.50
		12	13	16.98	17.31	17.14	18.50
		25	0	17.11	17.17	17.25	18.50
	64QAM	1	0	16.95	17.13	17.10	18.50
		1	13	17.13	17.23	17.24	18.50
		1	24	17.07	17.31	17.08	18.50
		12	0	17.01	17.13	17.25	18.50
		12	6	17.02	17.23	17.15	18.50
		12	13	16.95	17.19	17.07	18.50
		25	0	17.10	17.21	17.14	18.50
	64QAM	1	0	16.95	17.13	17.10	18.50
		1	13	17.13	17.23	17.24	18.50
		1	24	17.07	17.31	17.08	18.50
	64QAM	12	0	17.01	17.13	17.25	18.50
		12	6	17.02	17.23	17.15	18.50
		12	13	16.95	17.19	17.07	18.50
		25	0	17.10	17.21	17.14	18.50
		25	0	17.10	17.21	17.14	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.12	17.31	17.20	18.50
		1	25	16.97	17.26	17.18	18.50
		1	49	17.00	17.19	17.07	18.50
		25	0	17.08	17.23	17.24	18.50
		25	13	16.97	17.18	17.15	18.50
		25	25	17.13	17.25	17.20	18.50
		50	0	17.15	17.25	17.13	18.50
	16QAM	1	0	17.06	17.27	17.25	18.50
		1	25	17.00	17.17	17.11	18.50
		1	49	17.01	17.28	17.14	18.50
		25	0	17.01	17.19	17.26	18.50
		25	13	16.95	17.24	17.18	18.50
		25	25	17.14	17.21	17.14	18.50
		50	0	17.12	17.24	17.20	18.50
	64QAM	1	0	16.97	17.12	17.06	18.50
		1	25	17.09	17.12	17.11	18.50
		1	49	17.14	17.25	17.16	18.50
		25	0	17.14	17.15	17.20	18.50
		25	13	17.00	17.17	17.20	18.50
		25	25	17.05	17.21	17.18	18.50
		50	0	17.05	17.17	17.13	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.13	17.32	17.16	18.50
		1	38	17.00	17.16	17.17	18.50
		1	74	16.96	17.15	17.16	18.50
		36	0	17.07	17.28	17.21	18.50
		36	18	17.00	17.16	17.21	18.50
		36	39	17.12	17.18	17.25	18.50
		75	0	17.12	17.13	17.21	18.50
	16QAM	1	0	17.05	17.25	17.16	18.50
		1	38	17.11	17.18	17.06	18.50
		1	74	16.97	17.31	17.19	18.50
		36	0	16.98	17.27	17.19	18.50
		36	18	17.00	17.15	17.18	18.50
		36	39	17.13	17.21	17.07	18.50
		75	0	17.08	17.19	17.24	18.50

		1	0	16.97	17.20	17.16	18.50
		1	38	17.01	17.23	17.11	18.50
		1	74	17.08	17.19	17.23	18.50
	64QAM	36	0	17.09	17.20	17.20	18.50
		36	18	17.03	17.15	17.17	18.50
		36	39	17.01	17.29	17.14	18.50
		75	0	16.99	17.12	17.20	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up
20MHz	QPSK	1	0	17.16	17.33	17.27	18.50
		1	50	17.05	17.13	17.20	18.50
		1	99	17.13	17.22	17.18	18.50
		50	0	17.15	17.28	17.21	18.50
		50	25	17.11	17.17	17.17	18.50
		50	50	17.13	17.20	17.14	18.50
		100	0	17.10	17.27	17.20	18.50
	16QAM	1	0	17.05	17.22	17.13	18.50
		1	50	16.96	17.16	17.07	18.50
		1	99	17.03	17.16	17.15	18.50
		50	0	17.11	17.15	17.07	18.50
		50	25	17.10	17.19	17.10	18.50
		50	50	17.02	17.18	17.13	18.50
		100	0	17.15	17.24	17.10	18.50
	64QAM	1	0	16.98	17.27	17.10	18.50
		1	50	17.04	17.32	17.10	18.50
		1	99	16.99	17.19	17.14	18.50
		50	0	17.04	17.24	17.08	18.50
		50	25	17.06	17.32	17.22	18.50
		50	50	17.09	17.15	17.10	18.50
		100	0	17.01	17.29	17.19	18.50

LTE Band 4 Ant0 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	17.61	17.82	17.62	19.00
		1	2	17.50	17.79	17.69	19.00
		1	5	17.60	17.72	17.69	19.00
		3	0	17.48	17.56	17.74	19.00
		3	2	17.65	17.59	17.66	19.00
		3	3	17.71	17.80	17.60	19.00
		6	0	17.39	17.63	17.60	19.00
	16QAM	1	0	17.48	17.66	17.51	19.00
		1	2	17.69	17.80	17.74	19.00
		1	5	17.54	17.66	17.68	19.00
		3	0	17.60	17.70	17.64	19.00
		3	2	17.56	17.71	17.73	19.00
		3	3	17.41	17.66	17.54	19.00

		6	0	17.50	17.71	17.70	19.00
	64QAM	1	0	17.64	17.75	17.57	19.00
		1	2	17.51	17.70	17.75	19.00
		1	5	17.52	17.78	17.58	19.00
		3	0	17.70	17.68	17.60	19.00
		3	2	17.55	17.75	17.62	19.00
		3	3	17.40	17.53	17.68	19.00
		6	0	17.58	17.71	17.59	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	17.42	17.84	17.72	19.00
		1	7	17.45	17.73	17.67	19.00
		1	14	17.70	17.83	17.76	19.00
		8	0	17.44	17.71	17.74	19.00
		8	4	17.53	17.65	17.70	19.00
		8	7	17.58	17.62	17.72	19.00
		15	0	17.54	17.76	17.53	19.00
	16QAM	1	0	17.56	17.78	17.66	19.00
		1	7	17.69	17.72	17.63	19.00
		1	14	17.57	17.57	17.61	19.00
		8	0	17.66	17.61	17.76	19.00
		8	4	17.65	17.57	17.61	19.00
		8	7	17.65	17.60	17.63	19.00
		15	0	17.62	17.68	17.78	19.00
	64QAM	1	0	17.64	17.67	17.58	19.00
		1	7	17.55	17.73	17.69	19.00
		1	14	17.57	17.68	17.81	19.00
		8	0	17.45	17.80	17.58	19.00
		8	4	17.54	17.63	17.70	19.00
		8	7	17.68	17.78	17.65	19.00
		15	0	17.68	17.50	17.67	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	17.52	17.88	17.68	19.00
		1	13	17.59	17.82	17.70	19.00
		1	24	17.73	17.76	17.51	19.00
		12	0	17.59	17.69	17.55	19.00
		12	6	17.70	17.59	17.53	19.00
		12	13	17.65	17.57	17.65	19.00
		25	0	17.60	17.74	17.59	19.00
	16QAM	1	0	17.62	17.80	17.77	19.00
		1	13	17.70	17.77	17.81	19.00
		1	24	17.51	17.71	17.67	19.00
		12	0	17.60	17.73	17.61	19.00
		12	6	17.59	17.80	17.67	19.00
		12	13	17.55	17.77	17.63	19.00
		25	0	17.63	17.65	17.68	19.00
	64QAM	1	0	17.36	17.68	17.60	19.00
		1	13	17.73	17.78	17.84	19.00

		1	24	17.59	17.78	17.54	19.00
		12	0	17.41	17.69	17.84	19.00
		12	6	17.58	17.81	17.69	19.00
		12	13	17.47	17.75	17.54	19.00
		25	0	17.60	17.66	17.68	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	17.64	17.85	17.70	19.00
		1	25	17.37	17.81	17.74	19.00
		1	49	17.45	17.68	17.50	19.00
		25	0	17.63	17.79	17.76	19.00
		25	13	17.53	17.72	17.65	19.00
		25	25	17.59	17.69	17.76	19.00
		50	0	17.58	17.80	17.67	19.00
	16QAM	1	0	17.63	17.79	17.81	19.00
		1	25	17.58	17.72	17.63	19.00
		1	49	17.50	17.79	17.74	19.00
		25	0	17.50	17.68	17.69	19.00
		25	13	17.49	17.77	17.77	19.00
		25	25	17.59	17.67	17.67	19.00
		50	0	17.57	17.65	17.80	19.00
	64QAM	1	0	17.48	17.63	17.50	19.00
		1	25	17.63	17.69	17.67	19.00
		1	49	17.65	17.79	17.73	19.00
		25	0	17.69	17.61	17.65	19.00
		25	13	17.51	17.73	17.63	19.00
		25	25	17.55	17.71	17.77	19.00
		50	0	17.49	17.60	17.65	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	17.69	17.81	17.61	19.00
		1	38	17.58	17.73	17.67	19.00
		1	74	17.43	17.75	17.68	19.00
		36	0	17.48	17.73	17.70	19.00
		36	18	17.58	17.74	17.70	19.00
		36	39	17.64	17.74	17.70	19.00
		75	0	17.55	17.72	17.71	19.00
	16QAM	1	0	17.48	17.76	17.68	19.00
		1	38	17.64	17.61	17.65	19.00
		1	74	17.41	17.80	17.79	19.00
		36	0	17.45	17.80	17.77	19.00
		36	18	17.56	17.67	17.76	19.00
		36	39	17.57	17.75	17.55	19.00
		75	0	17.55	17.63	17.78	19.00
	64QAM	1	0	17.54	17.69	17.67	19.00
		1	38	17.51	17.80	17.61	19.00
		1	74	17.64	17.68	17.80	19.00
		36	0	17.55	17.75	17.65	19.00
		36	18	17.46	17.72	17.73	19.00
		36	39	17.52	17.69	17.62	19.00
		75	0	17.53	17.57	17.78	19.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	17.67	17.89	17.74	19.00
		1	50	17.47	17.56	17.70	19.00
		1	99	17.62	17.76	17.61	19.00
		50	0	17.58	17.69	17.75	19.00
		50	25	17.64	17.67	17.68	19.00
		50	50	17.58	17.78	17.72	19.00
		100	0	17.58	17.71	17.76	19.00
	16QAM	1	0	17.54	17.72	17.60	19.00
		1	50	17.53	17.64	17.63	19.00
		1	99	17.48	17.66	17.71	19.00
		50	0	17.61	17.58	17.51	19.00
		50	25	17.65	17.71	17.55	19.00
		50	50	17.51	17.59	17.57	19.00
		100	0	17.68	17.81	17.56	19.00
	64QAM	1	0	17.48	17.68	17.51	19.00
		1	50	17.51	17.81	17.60	19.00
		1	99	17.50	17.77	17.74	19.00
		50	0	17.56	17.74	17.51	19.00
		50	25	17.49	17.81	17.69	19.00
		50	50	17.57	17.55	17.61	19.00
		100	0	17.43	17.71	17.69	19.00

LTE Band 5 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.18	22.36	22.47	24.00
		1	2	22.24	22.48	22.60	24.00
		1	5	22.18	22.40	22.46	24.00
		3	0	22.26	22.39	22.41	24.00
		3	2	22.37	22.46	22.45	24.00
		3	3	22.22	22.42	22.47	24.00
		6	0	21.33	21.43	21.57	23.00
	16QAM	1	0	21.30	21.67	21.58	23.00
		1	2	21.45	21.72	21.73	23.00
		1	5	21.32	21.69	21.59	23.00
		3	0	21.51	21.45	21.55	23.00
		3	2	21.66	21.58	21.71	23.00
		3	3	21.53	21.51	21.60	23.00
		6	0	20.36	20.48	20.47	22.00
	64QAM	1	0	20.12	20.25	20.31	22.00
		1	2	20.22	20.40	20.50	22.00
		1	5	20.18	20.26	20.27	22.00
		3	0	20.20	20.28	20.34	22.00
		3	2	20.34	20.29	20.32	22.00
		3	3	20.19	20.23	20.33	22.00

		6	0	19.32	19.26	19.55	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.37	22.55	22.61	24.00
		1	7	22.33	22.48	22.53	24.00
		1	14	22.38	22.59	22.57	24.00
		8	0	21.39	21.51	21.65	23.00
		8	4	21.46	21.55	21.66	23.00
		8	7	21.44	21.58	21.61	23.00
		15	0	21.42	21.55	21.61	23.00
	16QAM	1	0	22.05	21.69	21.67	23.00
		1	7	21.92	21.60	21.50	23.00
		1	14	21.96	21.67	21.59	23.00
		8	0	20.58	20.52	20.67	22.00
		8	4	20.60	20.56	20.67	22.00
		8	7	20.57	20.62	20.69	22.00
		15	0	20.52	20.56	20.73	22.00
	64QAM	1	0	20.21	20.52	20.59	22.00
		1	7	20.29	20.32	20.43	22.00
		1	14	20.32	20.44	20.55	22.00
		8	0	19.23	19.47	19.59	21.00
		8	4	19.40	19.41	19.51	21.00
		8	7	19.34	19.43	19.59	21.00
		15	0	19.24	19.51	19.47	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	22.40	22.51	22.60	24.00
		1	13	22.40	22.65	22.61	24.00
		1	24	22.35	22.56	22.53	24.00
		12	0	21.43	21.49	21.68	23.00
		12	6	21.45	21.57	21.64	23.00
		12	13	21.44	21.61	21.68	23.00
		25	0	21.44	21.55	21.65	23.00
	16QAM	1	0	21.29	21.85	21.69	23.00
		1	13	21.39	21.80	21.74	23.00
		1	24	21.35	21.82	21.73	23.00
		12	0	20.45	20.59	20.65	22.00
		12	6	20.45	20.60	20.65	22.00
		12	13	20.43	20.67	20.61	22.00
		25	0	20.49	20.58	20.62	22.00
	64QAM	1	0	20.34	20.32	20.54	22.00
		1	13	20.21	20.50	20.53	22.00
		1	24	20.22	20.40	20.38	22.00
		12	0	19.31	19.45	19.64	21.00
		12	6	19.35	19.45	19.51	21.00
		12	13	19.43	19.54	19.55	21.00
		25	0	19.39	19.55	19.58	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	

10MHz	QPSK	1	0	22.31	22.67	22.57	24.00
		1	25	22.37	22.46	22.53	24.00
		1	49	22.33	22.46	22.47	24.00
		25	0	21.43	21.64	21.58	23.00
		25	13	21.42	21.58	21.60	23.00
		25	25	21.45	21.62	21.63	23.00
		50	0	21.45	21.51	21.61	23.00
	16QAM	1	0	22.05	21.66	21.61	23.00
		1	25	21.89	21.72	21.56	23.00
		1	49	22.06	21.76	21.61	23.00
		25	0	20.52	20.57	20.70	22.00
		25	13	20.53	20.57	20.73	22.00
		25	25	20.51	20.61	20.74	22.00
		50	0	20.45	20.56	20.64	22.00
	64QAM	1	0	20.21	20.51	20.55	22.00
		1	25	20.37	20.42	20.51	22.00
		1	49	20.22	20.29	20.27	22.00
		25	0	19.24	19.49	19.48	21.00
		25	13	19.40	19.49	19.54	21.00
		25	25	19.44	19.47	19.57	21.00
		50	0	19.28	19.33	19.57	21.00

LTE Band 5 Ant0 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	21.02	21.13	21.02	22.00
		1	2	20.85	21.05	20.95	22.00
		1	5	20.86	21.00	21.07	22.00
		3	0	20.99	21.11	20.98	22.00
		3	2	21.03	21.01	21.01	22.00
		3	3	21.00	21.01	21.06	22.00
		6	0	20.88	21.00	21.05	22.00
	16QAM	1	0	20.84	21.05	20.90	22.00
		1	2	20.97	21.04	21.02	22.00
		1	5	20.95	21.05	21.00	22.00
		3	0	20.87	21.11	21.09	22.00
		3	2	21.00	21.08	20.96	22.00
		3	3	20.90	21.10	21.06	22.00
		6	0	21.03	21.05	20.99	22.00
	64QAM	1	0	21.03	21.07	20.98	22.00
		1	2	20.85	20.99	20.98	22.00
		1	5	20.97	21.16	20.97	22.00
		3	0	20.89	21.11	20.95	22.00
		3	2	20.91	21.02	21.03	22.00
		3	3	20.98	21.12	20.97	22.00
		6	0	20.00	20.10	20.01	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				20415	20525	20635	
3MHz	QPSK	1	0	20.97	21.15	20.95	22.00
		1	7	20.89	21.05	20.92	22.00
		1	14	20.98	21.01	20.94	22.00
		8	0	20.86	21.00	21.01	22.00
		8	4	20.95	21.01	20.91	22.00
		8	7	20.90	21.01	20.90	22.00
		15	0	20.94	20.98	21.08	22.00
	16QAM	1	0	20.86	21.07	21.00	22.00
		1	7	20.97	21.12	21.08	22.00
		1	14	20.91	21.12	21.08	22.00
		8	0	20.88	21.06	21.01	22.00
		8	4	20.96	21.09	20.93	22.00
		8	7	21.03	21.13	21.08	22.00
		15	0	20.84	21.03	21.07	22.00
	64QAM	1	0	20.98	21.09	21.04	22.00
		1	7	20.99	21.00	21.00	22.00
		1	14	20.94	21.16	20.91	22.00
		8	0	19.93	20.17	19.97	21.00
		8	4	19.92	20.05	19.99	21.00
		8	7	19.93	20.06	20.04	21.00
		15	0	19.95	20.10	20.09	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	20.95	21.09	21.04	22.00
		1	13	20.91	21.16	20.93	22.00
		1	24	20.85	21.03	21.09	22.00
		12	0	20.86	21.01	20.89	22.00
		12	6	20.99	21.09	21.00	22.00
		12	13	21.03	21.10	20.94	22.00
		25	0	20.97	21.12	20.98	22.00
	16QAM	1	0	20.88	21.02	20.93	22.00
		1	13	21.03	21.09	20.95	22.00
		1	24	20.92	21.10	20.94	22.00
		12	0	21.01	21.10	20.96	22.00
		12	6	21.02	21.01	21.07	22.00
		12	13	20.84	20.99	21.04	22.00
		25	0	21.04	21.00	21.07	22.00
	64QAM	1	0	20.96	21.07	21.06	22.00
		1	13	20.87	20.97	21.00	22.00
		1	24	21.00	21.07	20.90	22.00
		12	0	20.02	20.08	19.92	21.00
		12	6	20.03	20.14	19.97	21.00
		12	13	19.98	20.07	19.93	21.00
		25	0	20.00	20.08	19.98	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	21.04	21.17	21.09	22.00
		1	25	20.97	21.00	20.99	22.00
		1	49	21.00	21.04	21.03	22.00

		25	0	20.98	21.03	20.99	22.00
		25	13	20.91	21.01	20.97	22.00
		25	25	20.95	21.00	20.94	22.00
		50	0	20.89	21.08	20.91	22.00
	16QAM	1	0	20.97	21.02	20.90	22.00
		1	25	20.90	21.14	21.01	22.00
		1	49	21.02	21.07	20.97	22.00
		25	0	21.02	21.12	21.08	22.00
		25	13	21.00	21.09	20.97	22.00
		25	25	20.90	21.01	21.04	22.00
		50	0	20.94	20.97	20.94	22.00
	64QAM	1	0	20.86	21.09	20.92	22.00
		1	25	20.99	21.10	20.99	22.00
		1	49	20.92	21.16	21.00	22.00
		25	0	19.95	20.03	19.97	21.00
		25	13	19.92	20.02	20.05	21.00
		25	25	20.03	19.98	19.90	21.00
		50	0	19.98	20.04	19.92	21.00

LTE Band 7 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.09	22.88	22.91	24.00
		1	13	23.15	23.00	23.01	24.00
		1	24	23.05	22.88	22.86	24.00
		12	0	22.13	21.85	21.92	23.00
		12	6	22.15	21.94	21.99	23.00
		12	13	22.25	22.07	21.97	23.00
		25	0	22.15	21.98	21.97	23.00
	16QAM	1	0	22.23	21.85	22.21	23.00
		1	13	22.40	21.97	22.21	23.00
		1	24	22.28	21.92	22.19	23.00
		12	0	21.11	20.89	20.97	22.00
		12	6	21.18	20.94	21.02	22.00
		12	13	21.21	21.03	21.03	22.00
		25	0	21.25	21.02	20.92	22.00
	64QAM	1	0	20.99	20.87	20.86	22.00
		1	13	21.01	20.85	20.96	22.00
		1	24	21.04	20.77	20.68	22.00
		12	0	20.02	19.83	19.73	21.00
		12	6	20.07	19.94	19.91	21.00
		12	13	20.10	19.92	19.90	21.00
		25	0	20.14	19.96	19.78	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	23.13	22.89	22.97	24.00
		1	25	23.13	22.87	22.97	24.00

		1	49	23.09	22.89	22.88	24.00
		25	0	22.21	21.96	21.95	23.00
		25	13	22.19	22.05	21.94	23.00
		25	25	22.15	21.98	21.97	23.00
		50	0	22.20	22.03	21.98	23.00
	16QAM	1	0	22.83	22.16	22.11	23.00
		1	25	22.66	22.18	22.07	23.00
		1	49	22.74	22.17	21.94	23.00
		25	0	21.29	20.98	21.09	22.00
		25	13	21.28	21.04	21.06	22.00
		25	25	21.20	21.02	21.10	22.00
		50	0	21.18	21.02	20.98	22.00
	64QAM	1	0	20.97	20.86	20.90	22.00
		1	25	21.10	20.80	20.81	22.00
		1	49	21.06	20.75	20.87	22.00
		25	0	20.13	19.78	19.85	21.00
		25	13	20.08	19.89	19.86	21.00
		25	25	20.00	19.93	19.91	21.00
		50	0	20.02	19.97	19.85	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.86	23.07	22.98	24.00
		1	38	22.85	22.71	22.77	24.00
		1	74	22.83	22.67	22.67	24.00
		36	0	21.97	22.01	21.84	23.00
		36	18	22.04	21.78	21.81	23.00
		36	39	21.96	21.79	21.68	23.00
		75	0	21.97	21.81	21.67	23.00
	16QAM	1	0	22.58	22.00	21.93	23.00
		1	38	22.52	21.96	21.93	23.00
		1	74	22.40	21.97	21.81	23.00
		36	0	21.01	20.80	20.77	22.00
		36	18	21.05	20.78	20.70	22.00
		36	39	20.99	20.83	20.72	22.00
		75	0	21.00	20.88	20.72	22.00
	64QAM	1	0	20.75	20.93	20.80	22.00
		1	38	20.69	20.70	20.71	22.00
		1	74	20.83	20.66	20.63	22.00
		36	0	19.90	19.96	19.84	21.00
		36	18	20.02	19.60	19.65	21.00
		36	39	19.94	19.73	19.58	21.00
		75	0	19.82	19.68	19.54	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.87	23.17	22.97	24.00
		1	50	22.78	22.71	22.69	24.00
		1	99	22.72	22.66	22.56	24.00
		50	0	21.94	21.98	21.81	23.00
		50	25	21.97	21.80	21.79	23.00
		50	50	21.85	21.76	21.76	23.00

	16QAM	100	0	21.95	22.02	21.88	23.00
		1	0	22.25	22.01	22.44	23.00
		1	50	22.16	21.99	22.34	23.00
		1	99	21.94	21.96	22.21	23.00
		50	0	20.93	20.80	20.80	22.00
		50	25	20.97	20.83	20.77	22.00
		50	50	20.85	20.79	20.76	22.00
		100	0	20.97	20.86	20.75	22.00
	64QAM	1	0	20.72	21.03	20.95	22.00
		1	50	20.62	20.52	20.54	22.00
		1	99	20.71	20.56	20.56	22.00
		50	0	19.86	19.90	19.75	21.00
		50	25	19.89	19.64	19.65	21.00
		50	50	19.85	19.57	19.62	21.00
		100	0	19.91	20.02	19.86	21.00

LTE Band 7 Ant0 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	22.14	22.24	22.38	23.00
		1	13	22.17	22.22	22.29	23.00
		1	24	22.30	22.32	22.37	23.00
		12	0	22.30	22.21	22.29	23.00
		12	6	22.18	22.22	22.35	23.00
		12	13	22.17	22.32	22.36	23.00
		25	0	22.27	22.32	22.36	23.00
	16QAM	1	0	22.32	22.37	22.34	23.00
		1	13	22.22	22.24	22.26	23.00
		1	24	22.26	22.23	22.25	23.00
		12	0	21.14	21.34	21.38	22.00
		12	6	21.29	21.27	21.33	22.00
		12	13	21.31	21.29	21.35	22.00
		25	0	21.14	21.23	21.34	22.00
	64QAM	1	0	21.17	21.36	21.33	22.00
		1	13	21.20	21.35	21.37	22.00
		1	24	21.15	21.30	21.21	22.00
		12	0	20.23	20.35	20.37	21.00
		12	6	20.30	20.26	20.34	21.00
		12	13	20.31	20.21	20.25	21.00
		25	0	20.23	20.32	20.20	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	22.23	22.41	22.26	23.00
		1	25	22.21	22.31	22.28	23.00
		1	49	22.21	22.24	22.20	23.00
		25	0	22.21	22.36	22.30	23.00
		25	13	22.26	22.40	22.37	23.00

		25	25	22.26	22.23	22.22	23.00
		50	0	22.26	22.38	22.25	23.00
	16QAM	1	0	22.24	22.24	22.19	23.00
		1	25	22.17	22.35	22.36	23.00
		1	49	22.16	22.36	22.32	23.00
		25	0	21.21	21.38	21.32	22.00
		25	13	21.14	21.34	21.21	22.00
		25	25	21.17	21.36	21.39	22.00
		50	0	21.23	21.38	21.25	22.00
		1	0	21.17	21.31	21.27	22.00
	64QAM	1	25	21.23	21.35	21.31	22.00
		1	49	21.25	21.36	21.22	22.00
		25	0	20.31	20.36	20.31	21.00
		25	13	20.29	20.32	20.34	21.00
		25	25	20.18	20.27	20.32	21.00
		50	0	20.19	20.38	20.37	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	22.31	22.42	22.25	23.00
		1	38	22.26	22.38	22.21	23.00
		1	74	22.17	22.32	22.35	23.00
		36	0	22.18	22.27	22.25	23.00
		36	18	22.14	22.33	22.34	23.00
		36	39	22.31	22.29	22.34	23.00
		75	0	22.22	22.32	22.20	23.00
	16QAM	1	0	22.24	22.32	22.26	23.00
		1	38	22.12	22.31	22.19	23.00
		1	74	22.29	22.23	22.31	23.00
		36	0	21.31	21.38	21.20	22.00
		36	18	21.25	21.29	21.37	22.00
		36	39	21.22	21.33	21.24	22.00
		75	0	21.28	21.31	21.19	22.00
	64QAM	1	0	21.24	21.33	21.20	22.00
		1	38	21.29	21.29	21.38	22.00
		1	74	21.17	21.24	21.35	22.00
		36	0	20.13	20.33	20.21	21.00
		36	18	20.21	20.39	20.34	21.00
		36	39	20.25	20.29	20.22	21.00
		75	0	20.17	20.24	20.25	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	22.32	22.43	22.39	23.00
		1	50	22.22	22.21	22.25	23.00
		1	99	22.18	22.30	22.29	23.00
		50	0	22.14	22.30	22.22	23.00
		50	25	22.12	22.23	22.16	23.00
		50	50	22.03	22.28	22.18	23.00
		100	0	22.14	22.31	22.23	23.00
	16QAM	1	0	22.29	22.36	22.23	23.00
		1	50	22.25	22.30	22.37	23.00

		1	99	22.27	22.38	22.37	23.00
		50	0	21.17	21.26	21.29	22.00
		50	25	21.19	21.30	21.38	22.00
		50	50	21.19	21.35	21.21	22.00
		100	0	21.26	21.31	21.34	22.00
	64QAM	1	0	21.25	21.22	21.30	22.00
		1	50	21.31	21.40	21.25	22.00
		1	99	21.18	21.34	21.29	22.00
		50	0	20.17	20.29	20.20	21.00
		50	25	20.27	20.33	20.33	21.00
		50	50	20.18	20.33	20.21	21.00
		100	0	20.27	20.33	20.30	21.00

LTE FDD Band 12 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	22.57	22.60	22.67	24.00
		1	2	22.58	22.66	22.75	24.00
		1	5	22.49	22.56	22.63	24.00
		3	0	22.67	22.63	22.63	24.00
		3	2	22.66	22.70	22.69	24.00
		3	3	22.58	22.62	22.67	24.00
		6	0	21.54	21.59	21.74	23.00
	16QAM	1	0	21.68	21.93	21.79	23.00
		1	2	21.80	22.01	21.88	23.00
		1	5	21.63	21.83	21.71	23.00
		3	0	21.83	21.72	21.84	23.00
		3	2	21.90	21.80	21.87	23.00
		3	3	21.78	21.71	21.76	23.00
		6	0	20.77	20.69	20.74	22.00
	64QAM	1	0	20.49	20.52	20.65	22.00
		1	2	20.43	20.57	20.71	22.00
		1	5	20.37	20.55	20.45	22.00
		3	0	20.48	20.63	20.59	22.00
		3	2	20.50	20.69	20.61	22.00
		3	3	20.43	20.45	20.66	22.00
		6	0	19.44	19.56	19.66	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	22.66	22.67	22.70	24.00
		1	7	22.60	22.64	22.56	24.00
		1	14	22.54	22.61	22.62	24.00
		8	0	21.70	21.65	21.74	23.00
		8	4	21.71	21.71	21.77	23.00
		8	7	21.64	21.64	21.71	23.00
		15	0	21.67	21.64	21.71	23.00
	16QAM	1	0	22.33	21.79	21.81	23.00
		1	7	22.13	21.68	21.88	23.00

		1	14	22.16	21.71	21.61	23.00
		8	0	20.86	20.66	20.78	22.00
		8	4	20.90	20.73	20.84	22.00
		8	7	20.80	20.66	20.78	22.00
		15	0	20.76	20.62	20.77	22.00
	64QAM	1	0	20.52	20.54	20.68	22.00
		1	7	20.45	20.62	20.40	22.00
		1	14	20.38	20.52	20.44	22.00
		8	0	19.63	19.51	19.63	21.00
		8	4	19.70	19.59	19.74	21.00
		8	7	19.50	19.60	19.70	21.00
		15	0	19.51	19.47	19.52	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	22.56	22.62	22.70	24.00
		1	13	22.67	22.71	22.73	24.00
		1	24	22.57	22.54	22.60	24.00
		12	0	21.69	21.67	21.78	23.00
		12	6	21.71	21.65	21.74	23.00
		12	13	21.65	21.65	21.78	23.00
		25	0	21.67	21.65	21.72	23.00
	16QAM	1	0	21.57	21.91	21.79	23.00
		1	13	21.71	21.95	21.87	23.00
		1	24	21.52	21.84	21.79	23.00
		12	0	20.73	20.72	20.73	22.00
		12	6	20.68	20.68	20.74	22.00
		12	13	20.69	20.75	20.73	22.00
		25	0	20.73	20.61	20.80	22.00
	64QAM	1	0	20.37	20.44	20.60	22.00
		1	13	20.58	20.62	20.67	22.00
		1	24	20.39	20.45	20.47	22.00
		12	0	19.60	19.58	19.74	21.00
		12	6	19.69	19.63	19.72	21.00
		12	13	19.46	19.51	19.74	21.00
		25	0	19.59	19.53	19.58	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	22.68	22.76	22.69	24.00
		1	25	22.65	22.52	22.67	24.00
		1	49	22.59	22.55	22.64	24.00
		25	0	21.65	21.83	21.75	23.00
		25	13	21.71	21.76	21.82	23.00
		25	25	21.67	21.71	21.77	23.00
		50	0	21.74	21.65	21.82	23.00
	16QAM	1	0	22.32	21.88	21.84	23.00
		1	25	22.21	21.84	21.69	23.00
		1	49	22.22	21.84	21.67	23.00
		25	0	20.72	20.72	20.85	22.00
		25	13	20.80	20.82	20.96	22.00
		25	25	20.76	20.79	20.90	22.00
		50	0	20.72	20.64	20.85	22.00

	64QAM	1	0	20.49	20.65	20.52	22.00
		1	25	20.46	20.47	20.63	22.00
		1	49	20.43	20.43	20.51	22.00
		25	0	19.65	19.64	19.57	21.00
		25	13	19.68	19.69	19.73	21.00
		25	25	19.60	19.70	19.71	21.00
		50	0	19.61	19.61	19.66	21.00

LTE FDD Band 12 Ant0 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	21.76	21.83	21.80	23.00
		1	2	21.71	21.77	21.81	23.00
		1	5	21.70	21.74	21.64	23.00
		3	0	21.58	21.65	21.65	23.00
		3	2	21.75	21.64	21.63	23.00
		3	3	21.65	21.68	21.65	23.00
		6	0	21.60	21.81	21.71	23.00
	16QAM	1	0	21.62	21.75	21.75	23.00
		1	2	21.60	21.73	21.77	23.00
		1	5	21.66	21.74	21.64	23.00
		3	0	21.63	21.81	21.76	23.00
		3	2	21.58	21.70	21.70	23.00
		3	3	21.71	21.74	21.69	23.00
		6	0	20.66	20.76	20.72	22.00
	64QAM	1	0	20.70	20.77	20.79	22.00
		1	2	20.67	20.86	20.70	22.00
		1	5	20.67	20.84	20.64	22.00
		3	0	20.63	20.69	20.77	22.00
		3	2	20.75	20.73	20.71	22.00
		3	3	20.64	20.73	20.78	22.00
		6	0	19.72	19.68	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	21.78	21.88	21.82	23.00
		1	7	21.72	21.67	21.76	23.00
		1	14	21.76	21.79	21.81	23.00
		8	0	21.62	21.81	21.78	23.00
		8	4	21.70	21.83	21.73	23.00
		8	7	21.62	21.81	21.78	23.00
		15	0	21.67	21.85	21.80	23.00
	16QAM	1	0	21.61	21.72	21.77	23.00
		1	7	21.59	21.80	21.69	23.00
		1	14	21.74	21.69	21.73	23.00
		8	0	20.62	20.72	20.69	22.00
		8	4	20.61	20.76	20.68	22.00
		8	7	20.66	20.70	20.64	22.00
		15	0	20.77	20.73	20.78	22.00

		1	0	20.69	20.72	20.81	22.00
		1	7	20.59	20.81	20.65	22.00
		1	14	20.58	20.70	20.68	22.00
	64QAM	8	0	19.71	19.74	19.63	21.00
		8	4	19.61	19.68	19.74	21.00
		8	7	19.76	19.67	19.81	21.00
		15	0	19.71	19.75	19.72	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	21.74	21.84	21.74	23.00
		1	13	21.58	21.76	21.80	23.00
		1	24	21.61	21.71	21.78	23.00
		12	0	21.62	21.65	21.63	23.00
		12	6	21.76	21.72	21.68	23.00
		12	13	21.69	21.71	21.77	23.00
		25	0	21.60	21.78	21.77	23.00
	16QAM	1	0	21.70	21.79	21.75	23.00
		1	13	21.57	21.76	21.72	23.00
		1	24	21.73	21.67	21.68	23.00
		12	0	20.61	20.78	20.72	22.00
		12	6	20.59	20.79	20.64	22.00
		12	13	20.73	20.80	20.74	22.00
		25	0	20.62	20.70	20.63	22.00
	64QAM	1	0	20.57	20.74	20.73	22.00
		1	13	20.77	20.74	20.65	22.00
		1	24	20.71	20.70	20.78	22.00
		12	0	19.77	19.68	19.74	21.00
		12	6	19.64	19.80	19.80	21.00
		12	13	19.70	19.82	19.72	21.00
		25	0	19.73	19.74	19.67	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	21.87	21.96	21.83	23.00
		1	25	21.66	21.73	21.75	23.00
		1	49	21.76	21.69	21.83	23.00
		25	0	21.61	21.76	21.65	23.00
		25	13	21.74	21.80	21.78	23.00
		25	25	21.58	21.74	21.66	23.00
		50	0	21.59	21.76	21.68	23.00
	16QAM	1	0	21.71	21.73	21.74	23.00
		1	25	21.73	21.68	21.65	23.00
		1	49	21.69	21.77	21.71	23.00
		25	0	20.72	20.73	20.70	22.00
		25	13	20.62	20.67	20.70	22.00
		25	25	20.58	20.82	20.82	22.00
		50	0	20.62	20.77	20.78	22.00
	64QAM	1	0	20.67	20.84	20.78	22.00
		1	25	20.63	20.74	20.63	22.00
		1	49	20.71	20.72	20.67	22.00
		25	0	19.67	19.84	19.66	21.00
		25	13	19.69	19.68	19.64	21.00

		25	25	19.63	19.80	19.67	21.00
		50	0	19.71	19.77	19.75	21.00

LTE FDD Band 13 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	22.38	22.34	22.38	24.00
		1	13	22.42	22.43	22.41	24.00
		1	24	22.28	22.28	22.33	24.00
		12	0	21.32	21.37	21.30	23.00
		12	6	21.43	21.38	21.35	23.00
		12	13	21.43	21.39	21.34	23.00
		25	0	21.40	21.33	21.39	23.00
	16QAM	1	0	21.31	21.30	21.63	23.00
		1	13	21.35	21.49	21.62	23.00
		1	24	21.27	21.20	21.52	23.00
		12	0	20.35	20.34	20.35	22.00
		12	6	20.43	20.40	20.36	22.00
		12	13	20.41	20.41	20.39	22.00
		25	0	20.48	20.37	20.40	22.00
	64QAM	1	0	20.21	20.33	20.21	22.00
		1	13	20.24	20.24	20.36	22.00
		1	24	20.19	20.18	20.15	22.00
		12	0	19.30	19.24	19.24	21.00
		12	6	19.39	19.30	19.18	21.00
		12	13	19.37	19.22	19.15	21.00
		25	0	19.37	19.24	19.35	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23230	/	24.00
		1	25	/	22.44	/	24.00
		1	49	/	22.4	/	24.00
		25	0	/	22.26	/	24.00
		25	13	/	21.48	/	23.00
		25	25	/	21.4	/	23.00
		50	0	/	21.38	/	23.00
	16QAM	1	0	/	21.36	/	23.00
		1	25	/	22.01	/	23.00
		1	49	/	22	/	23.00
		25	0	/	21.92	/	23.00
		25	13	/	20.44	/	22.00
		25	25	/	20.46	/	22.00
		50	0	/	20.36	/	22.00
	64QAM	1	0	/	20.38	/	22.00
		1	25	/	20.42	/	22.00
		1	49	/	20.37	/	22.00
		25	0	/	20.16	/	22.00
		25	13	/	19.34	/	21.00
		25	13	/	19.20	/	21.00

		25	25	/	19.37	/	21.00
		50	0	/	19.20	/	21.00

LTE FDD Band 14 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	22.38	22.34	22.36	23.50
		1	13	22.33	22.31	22.29	23.50
		1	24	22.22	22.14	22.13	23.50
		12	0	21.34	21.30	21.26	22.50
		12	6	21.41	21.31	21.27	22.50
		12	13	21.31	21.26	21.23	22.50
		25	0	21.37	21.26	21.24	22.50
	16QAM	1	0	21.33	21.30	21.58	22.50
		1	13	21.31	21.26	21.53	22.50
		1	24	21.20	21.16	21.37	22.50
		12	0	20.35	20.34	20.37	21.50
		12	6	20.41	20.33	20.29	21.50
		12	13	20.32	20.28	20.26	21.50
		25	0	20.44	20.31	20.23	21.50
	64QAM	1	0	20.37	20.15	20.19	21.50
		1	13	20.30	20.13	20.23	21.50
		1	24	20.03	20.08	20.09	21.50
		12	0	19.26	19.10	19.14	20.50
		12	6	19.24	19.30	19.11	20.50
		12	13	19.29	19.22	19.07	20.50
		25	0	19.29	19.15	19.17	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23330	/	23.50
		1	25	/	22.45	/	23.50
		1	49	/	22.27	/	23.50
		25	0	/	22.16	/	23.50
		25	13	/	21.43	/	22.50
		25	25	/	21.34	/	22.50
		50	0	/	21.30	/	22.50
	16QAM	1	0	/	22.15	/	22.50
		1	25	/	21.93	/	22.50
		1	49	/	21.88	/	22.50
		25	0	/	21.88	/	22.50
		25	13	/	20.40	/	21.50
		25	25	/	20.39	/	21.50
		50	0	/	20.36	/	21.50
	64QAM	1	0	/	20.28	/	21.50
		1	25	/	20.38	/	21.50
		1	49	/	20.18	/	21.50
		25	0	/	20.06	/	21.50
		25	13	/	19.36	/	20.50
		25	13	/	19.17	/	20.50

		25	25	/	19.20	/	20.50
		50	0	/	19.29	/	20.50

LTE FDD Band 17 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	22.69	22.71	22.77	23.50
		1	13	22.62	22.64	22.68	23.50
		1	24	22.48	22.52	22.58	23.50
		12	0	21.66	21.73	21.75	22.50
		12	6	21.67	21.67	21.69	22.50
		12	13	21.61	21.66	21.69	22.50
		25	0	21.66	21.64	21.65	22.50
	16QAM	1	0	21.58	22.00	21.80	22.50
		1	13	21.75	21.92	21.81	22.50
		1	24	21.39	21.83	21.68	22.50
		12	0	20.70	20.74	20.74	21.50
		12	6	20.72	20.74	20.67	21.50
		12	13	20.62	20.71	20.65	21.50
		25	0	20.72	20.63	20.72	21.50
	64QAM	1	0	20.54	20.60	20.63	21.50
		1	13	20.45	20.57	20.57	21.50
		1	24	20.36	20.48	20.53	21.50
		12	0	19.48	19.66	19.59	20.50
		12	6	19.56	19.48	19.68	20.50
		12	13	19.51	19.65	19.65	20.50
		25	0	19.50	19.63	19.62	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	22.56	22.54	22.62	23.50
		1	25	22.64	22.58	22.61	23.50
		1	49	22.50	22.50	22.52	23.50
		25	0	21.66	21.68	21.66	22.50
		25	13	21.77	21.65	21.69	22.50
		25	25	21.63	21.67	21.67	22.50
		50	0	21.64	21.64	21.63	22.50
	16QAM	1	0	22.26	21.80	21.69	22.50
		1	25	22.23	21.84	21.65	22.50
		1	49	22.17	21.75	21.59	22.50
		25	0	20.70	20.74	20.79	21.50
		25	13	20.79	20.66	20.78	21.50
		25	25	20.69	20.62	20.79	21.50
		50	0	20.64	20.65	20.67	21.50
	64QAM	1	0	20.45	20.42	20.51	21.50
		1	25	20.46	20.56	20.49	21.50
		1	49	20.32	20.30	20.37	21.50
		25	0	19.49	19.50	19.51	20.50
		25	13	19.60	19.47	19.60	20.50

		25	25	19.48	19.52	19.52	20.50
		50	0	19.58	19.63	19.46	20.50

LTE FDD Band 17 Ant0 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	21.57	21.74	21.70	23.00
		1	13	21.54	21.72	21.58	23.00
		1	24	21.54	21.72	21.64	23.00
		12	0	21.51	21.66	21.59	23.00
		12	6	21.70	21.72	21.72	23.00
		12	13	21.59	21.73	21.73	23.00
		25	0	21.60	21.69	21.66	23.00
	16QAM	1	0	21.63	21.64	21.60	23.00
		1	13	21.60	21.59	21.61	23.00
		1	24	21.68	21.69	21.59	23.00
		12	0	20.61	20.71	20.57	22.00
		12	6	20.55	20.60	20.70	22.00
		12	13	20.56	20.74	20.57	22.00
		25	0	20.62	20.60	20.62	22.00
	64QAM	1	0	20.65	20.69	20.60	22.00
		1	13	20.59	20.74	20.58	22.00
		1	24	20.57	20.77	20.67	22.00
		12	0	19.68	19.76	19.70	21.00
		12	6	19.57	19.59	19.55	21.00
		12	13	19.52	19.74	19.58	21.00
		25	0	19.51	19.69	19.71	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	21.70	21.78	21.74	23.00
		1	25	21.62	21.59	21.74	23.00
		1	49	21.66	21.60	21.58	23.00
		25	0	21.54	21.77	21.55	23.00
		25	13	21.67	21.75	21.66	23.00
		25	25	21.68	21.71	21.66	23.00
		50	0	21.61	21.66	21.65	23.00
	16QAM	1	0	21.66	21.70	21.68	23.00
		1	25	21.53	21.61	21.60	23.00
		1	49	21.59	21.65	21.64	23.00
		25	0	20.68	20.60	20.66	22.00
		25	13	20.58	20.59	20.71	22.00
		25	25	20.67	20.78	20.58	22.00
		50	0	20.65	20.74	20.62	22.00
	64QAM	1	0	20.65	20.61	20.60	22.00
		1	25	20.61	20.60	20.71	22.00
		1	49	20.68	20.60	20.72	22.00
		25	0	19.63	19.64	19.67	21.00
		25	13	19.66	19.67	19.74	21.00

		25	25	19.59	19.76	19.70	21.00
		50	0	19.65	19.63	19.55	21.00

LTE Band 25 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	22.95	23.15	22.94	24.00
		1	2	23.02	23.01	22.97	24.00
		1	5	22.94	22.97	22.94	24.00
		3	0	22.86	22.98	23.00	24.00
		3	2	22.94	23.14	23.03	24.00
		3	3	22.93	23.00	22.97	24.00
		6	0	21.97	22.04	22.01	23.00
	16QAM	1	0	22.04	22.08	22.23	23.00
		1	2	21.93	22.22	22.31	23.00
		1	5	22.10	22.10	22.23	23.00
		3	0	22.07	22.23	22.04	23.00
		3	2	22.16	22.30	22.14	23.00
		3	3	22.06	22.29	22.02	23.00
		6	0	20.98	21.09	21.12	22.00
	64QAM	1	0	20.94	20.96	20.86	22.00
		1	2	20.95	21.01	20.81	22.00
		1	5	20.84	20.95	20.84	22.00
		3	0	20.66	20.97	20.89	22.00
		3	2	20.92	21.12	20.85	22.00
		3	3	20.85	20.98	20.83	22.00
		6	0	19.85	19.88	19.98	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	23.04	23.15	23.12	24.00
		1	7	22.91	23.10	23.01	24.00
		1	14	23.00	23.13	23.05	24.00
		8	0	22.04	22.09	22.12	23.00
		8	4	22.07	22.21	22.19	23.00
		8	7	22.05	22.10	22.13	23.00
		15	0	22.04	22.18	22.10	23.00
	16QAM	1	0	22.64	22.38	22.16	23.00
		1	7	22.42	22.23	22.22	23.00
		1	14	22.55	22.21	22.13	23.00
		8	0	21.22	21.09	21.20	22.00
		8	4	21.27	21.14	21.14	22.00
		8	7	21.19	21.14	21.13	22.00
		15	0	21.10	21.10	21.11	22.00
	64QAM	1	0	20.98	20.98	21.05	22.00
		1	7	20.84	20.91	21.01	22.00
		1	14	20.91	21.03	21.01	22.00
		8	0	19.94	19.99	19.94	21.00
		8	4	19.97	20.15	20.00	21.00

		8	7	19.91	20.09	20.03	21.00
		15	0	19.96	20.11	19.92	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	22.98	23.08	23.09	24.00
		1	13	23.01	23.17	23.06	24.00
		1	24	22.97	23.11	22.97	24.00
		12	0	22.07	21.99	22.16	23.00
		12	6	22.02	22.04	22.16	23.00
		12	13	22.02	22.11	22.16	23.00
		25	0	22.05	22.11	22.16	23.00
	16QAM	1	0	21.98	22.33	22.22	23.00
		1	13	21.98	22.39	22.28	23.00
		1	24	21.94	22.30	22.14	23.00
		12	0	21.05	21.14	21.11	22.00
		12	6	21.03	21.07	21.11	22.00
		12	13	21.03	21.20	21.06	22.00
		25	0	21.05	21.14	21.22	22.00
	64QAM	1	0	20.97	20.97	21.08	22.00
		1	13	20.87	21.14	20.95	22.00
		1	24	20.85	21.09	20.79	22.00
		12	0	20.03	19.95	20.00	21.00
		12	6	19.91	19.90	20.13	21.00
		12	13	19.89	20.06	20.02	21.00
		25	0	19.96	20.06	20.14	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	22.95	23.05	23.18	24.00
		1	25	23.03	22.96	23.06	24.00
		1	49	22.87	23.01	22.99	24.00
		25	0	22.06	22.10	22.08	23.00
		25	13	22.08	22.22	22.06	23.00
		25	25	22.05	22.15	22.10	23.00
		50	0	22.05	22.17	22.11	23.00
	16QAM	1	0	22.64	22.26	22.07	23.00
		1	25	22.59	22.27	22.08	23.00
		1	49	22.63	22.28	22.00	23.00
		25	0	21.10	21.09	21.18	22.00
		25	13	21.10	21.15	21.14	22.00
		25	25	21.05	21.14	21.20	22.00
		50	0	21.08	21.16	21.12	22.00
	64QAM	1	0	20.86	20.99	21.07	22.00
		1	25	20.90	20.84	21.02	22.00
		1	49	20.68	20.92	20.98	22.00
		25	0	19.90	20.04	19.90	21.00
		25	13	20.06	20.21	20.03	21.00
		25	25	20.02	20.06	19.92	21.00
		50	0	19.87	20.14	20.09	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	22.82	23.11	22.97	24.00

		1	38	22.72	22.89	22.87	24.00
		1	74	22.84	22.88	22.82	24.00
		36	0	21.87	21.95	21.94	23.00
		36	18	21.95	22.00	21.96	23.00
		36	39	21.92	22.01	21.99	23.00
		75	0	21.92	22.03	21.98	23.00
	16QAM	1	0	22.52	22.26	22.41	23.00
		1	38	22.39	22.16	22.36	23.00
		1	74	22.42	22.11	22.24	23.00
		36	0	20.94	20.98	20.96	22.00
		36	18	20.93	20.98	20.94	22.00
		36	39	20.96	21.01	20.97	22.00
		75	0	21.00	21.04	20.98	22.00
	64QAM	1	0	20.63	20.88	20.81	22.00
		1	38	20.70	20.80	20.79	22.00
		1	74	20.76	20.70	20.69	22.00
		36	0	19.76	19.88	19.82	21.00
		36	18	19.92	19.89	19.90	21.00
		36	39	19.79	20.00	19.80	21.00
		75	0	19.75	19.90	19.88	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	22.82	23.19	22.95	24.00
		1	50	22.76	22.92	22.88	24.00
		1	99	22.81	22.94	22.78	24.00
		50	0	21.99	22.06	22.03	23.00
		50	25	21.95	22.03	22.01	23.00
		50	50	21.93	22.03	22.00	23.00
		100	0	21.97	22.04	22.00	23.00
	16QAM	1	0	22.18	22.18	22.57	23.00
		1	50	22.06	22.13	22.56	23.00
		1	99	22.16	22.21	22.46	23.00
		50	0	20.85	20.97	21.04	22.00
		50	25	20.95	21.06	21.06	22.00
		50	50	20.89	21.02	21.00	22.00
		100	0	20.96	21.03	20.99	22.00
	64QAM	1	0	20.77	20.78	20.87	22.00
		1	50	20.69	20.83	20.80	22.00
		1	99	20.65	20.78	20.67	22.00
		50	0	19.73	19.81	19.91	21.00
		50	25	19.80	19.98	20.02	21.00
		50	50	19.87	19.88	19.91	21.00
		100	0	19.79	19.95	19.98	21.00

LTE Band 25 Ant0 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	15.25	15.53	15.38	16.50

		1	2	15.40	15.49	15.34	16.50
		1	5	15.28	15.52	15.36	16.50
		3	0	15.30	15.41	15.46	16.50
		3	2	15.28	15.44	15.39	16.50
		3	3	15.39	15.40	15.41	16.50
		6	0	15.31	15.51	15.42	16.50
	16QAM	1	0	15.33	15.51	15.35	16.50
		1	2	15.23	15.50	15.49	16.50
		1	5	15.38	15.44	15.50	16.50
		3	0	15.29	15.50	15.48	16.50
		3	2	15.28	15.52	15.34	16.50
		3	3	15.25	15.46	15.32	16.50
		6	0	15.38	15.40	15.44	16.50
	64QAM	1	0	15.23	15.40	15.49	16.50
		1	2	15.37	15.40	15.40	16.50
		1	5	15.37	15.38	15.41	16.50
		3	0	15.30	15.52	15.48	16.50
		3	2	15.26	15.37	15.31	16.50
		3	3	15.36	15.44	15.31	16.50
		6	0	15.31	15.47	15.34	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	15.35	15.46	15.43	16.50
		1	7	15.22	15.56	15.45	16.50
		1	14	15.23	15.51	15.36	16.50
		8	0	15.27	15.52	15.44	16.50
		8	4	15.35	15.43	15.38	16.50
		8	7	15.39	15.47	15.32	16.50
		15	0	15.37	15.49	15.44	16.50
	16QAM	1	0	15.41	15.52	15.31	16.50
		1	7	15.25	15.52	15.38	16.50
		1	14	15.42	15.51	15.35	16.50
		8	0	15.40	15.39	15.41	16.50
		8	4	15.36	15.44	15.36	16.50
		8	7	15.41	15.44	15.47	16.50
		15	0	15.26	15.42	15.42	16.50
	64QAM	1	0	15.37	15.55	15.34	16.50
		1	7	15.22	15.52	15.42	16.50
		1	14	15.22	15.47	15.44	16.50
		8	0	15.34	15.46	15.33	16.50
		8	4	15.33	15.54	15.38	16.50
		8	7	15.42	15.46	15.38	16.50
		15	0	15.36	15.50	15.37	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	15.28	15.53	15.31	16.50
		1	13	15.30	15.41	15.45	16.50
		1	24	15.36	15.47	15.41	16.50
		12	0	15.28	15.51	15.30	16.50
		12	6	15.42	15.49	15.31	16.50
		12	13	15.37	15.45	15.41	16.50

	16QAM	25	0	15.39	15.41	15.49	16.50
		1	0	15.34	15.38	15.46	16.50
		1	13	15.37	15.46	15.47	16.50
		1	24	15.37	15.41	15.35	16.50
		12	0	15.22	15.41	15.36	16.50
		12	6	15.31	15.51	15.38	16.50
		12	13	15.33	15.37	15.32	16.50
	64QAM	25	0	15.30	15.43	15.31	16.50
		1	0	15.22	15.52	15.32	16.50
		1	13	15.27	15.50	15.48	16.50
		1	24	15.40	15.42	15.40	16.50
		12	0	15.41	15.39	15.36	16.50
		12	6	15.22	15.50	15.45	16.50
		12	13	15.26	15.44	15.50	16.50
		25	0	15.31	15.49	15.32	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	15.36	15.55	15.37	16.50
		1	25	15.33	15.39	15.47	16.50
		1	49	15.33	15.49	15.45	16.50
		25	0	15.41	15.49	15.35	16.50
		25	13	15.37	15.45	15.33	16.50
		25	25	15.42	15.47	15.48	16.50
		50	0	15.27	15.41	15.31	16.50
	16QAM	1	0	15.31	15.44	15.50	16.50
		1	25	15.24	15.43	15.50	16.50
		1	49	15.41	15.51	15.31	16.50
		25	0	15.37	15.47	15.43	16.50
		25	13	15.28	15.49	15.39	16.50
		25	25	15.34	15.38	15.48	16.50
		50	0	15.33	15.50	15.40	16.50
	64QAM	1	0	15.32	15.38	15.37	16.50
		1	25	15.36	15.52	15.48	16.50
		1	49	15.28	15.45	15.33	16.50
		25	0	15.36	15.35	15.49	16.50
		25	13	15.33	15.51	15.45	16.50
		25	25	15.41	15.46	15.34	16.50
		50	0	15.36	15.50	15.36	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	QPSK	1	0	15.26	15.53	15.41	16.50
		1	38	15.35	15.48	15.32	16.50
		1	74	15.38	15.44	15.40	16.50
		36	0	15.26	15.52	15.42	16.50
		36	18	15.41	15.42	15.41	16.50
		36	39	15.22	15.47	15.31	16.50
		75	0	15.36	15.52	15.41	16.50
	16QAM	1	0	15.31	15.50	15.37	16.50
		1	38	15.39	15.49	15.43	16.50
		1	74	15.22	15.49	15.34	16.50
		36	0	15.30	15.50	15.34	16.50

		36	18	15.35	15.51	15.44	16.50
		36	39	15.36	15.40	15.42	16.50
		75	0	15.24	15.43	15.47	16.50
	64QAM	1	0	15.35	15.41	15.44	16.50
		1	38	15.26	15.47	15.34	16.50
		1	74	15.32	15.46	15.45	16.50
		36	0	15.36	15.46	15.44	16.50
		36	18	15.37	15.42	15.45	16.50
		36	39	15.35	15.41	15.43	16.50
		75	0	15.27	15.47	15.46	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	15.43	15.57	15.51	16.50
		1	50	15.26	15.36	15.34	16.50
		1	99	15.40	15.41	15.34	16.50
		50	0	15.29	15.46	15.37	16.50
		50	25	15.25	15.38	15.32	16.50
		50	50	15.34	15.51	15.36	16.50
		100	0	15.24	15.45	15.35	16.50
	16QAM	1	0	15.39	15.50	15.37	16.50
		1	50	15.29	15.44	15.38	16.50
		1	99	15.34	15.54	15.48	16.50
		50	0	15.32	15.56	15.32	16.50
		50	25	15.25	15.37	15.38	16.50
		50	50	15.33	15.44	15.45	16.50
		100	0	15.27	15.53	15.43	16.50
	64QAM	1	0	15.35	15.38	15.41	16.50
		1	50	15.31	15.39	15.31	16.50
		1	99	15.36	15.36	15.37	16.50
		50	0	15.30	15.38	15.36	16.50
		50	25	15.41	15.48	15.34	16.50
		50	50	15.37	15.52	15.44	16.50
		100	0	15.34	15.46	15.35	16.50

LTE Band 25 Ant0 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	14.94	15.15	15.01	16.00
		1	2	14.91	15.09	15.03	16.00
		1	5	14.96	15.11	14.93	16.00
		3	0	14.83	15.00	14.89	16.00
		3	2	14.98	15.03	14.97	16.00
		3	3	14.86	15.06	14.90	16.00
		6	0	14.91	14.96	14.89	16.00
	16QAM	1	0	14.98	14.98	15.00	16.00
		1	2	14.82	15.12	14.97	16.00
		1	5	14.86	15.01	15.07	16.00
		3	0	14.90	15.13	15.03	16.00

		3	2	15.00	15.13	14.91	16.00
		3	3	15.00	15.09	15.06	16.00
		6	0	14.90	15.14	14.96	16.00
	64QAM	1	0	14.81	14.99	15.02	16.00
		1	2	14.89	15.02	14.92	16.00
		1	5	14.92	15.10	14.94	16.00
		3	0	14.91	14.97	14.89	16.00
		3	2	14.85	15.05	15.05	16.00
		3	3	14.99	15.09	15.08	16.00
		6	0	14.91	15.12	15.08	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	14.86	15.07	14.89	16.00
		1	7	14.88	15.16	14.90	16.00
		1	14	14.88	15.10	14.90	16.00
		8	0	15.00	15.15	14.94	16.00
		8	4	14.97	15.14	14.93	16.00
		8	7	15.00	15.08	14.92	16.00
		15	0	14.86	15.13	15.07	16.00
	16QAM	1	0	14.95	15.02	14.99	16.00
		1	7	14.94	15.12	15.05	16.00
		1	14	14.89	15.14	14.94	16.00
		8	0	14.86	15.07	14.99	16.00
		8	4	14.86	15.12	14.89	16.00
		8	7	14.99	15.01	14.93	16.00
		15	0	14.89	15.15	14.92	16.00
	64QAM	1	0	14.95	14.98	14.94	16.00
		1	7	14.81	15.00	15.00	16.00
		1	14	14.84	15.10	15.01	16.00
		8	0	14.85	15.13	14.88	16.00
		8	4	14.83	15.10	14.93	16.00
		8	7	14.85	15.06	14.98	16.00
		15	0	14.88	15.13	15.07	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	14.87	15.15	14.89	16.00
		1	13	14.99	15.06	14.89	16.00
		1	24	14.96	15.09	14.95	16.00
		12	0	14.96	15.11	14.93	16.00
		12	6	14.94	15.07	14.94	16.00
		12	13	14.96	15.10	15.04	16.00
		25	0	14.98	15.10	15.06	16.00
	16QAM	1	0	14.93	15.02	14.96	16.00
		1	13	14.90	15.14	14.98	16.00
		1	24	14.87	15.01	14.97	16.00
		12	0	14.84	15.07	15.05	16.00
		12	6	14.85	14.96	15.01	16.00
		12	13	14.83	15.09	14.95	16.00
		25	0	14.84	15.02	14.98	16.00
	64QAM	1	0	14.95	15.08	15.06	16.00
		1	13	14.82	15.10	15.00	16.00

		1	24	14.95	15.09	14.91	16.00
		12	0	14.84	15.05	15.07	16.00
		12	6	14.85	15.03	15.01	16.00
		12	13	14.88	15.07	14.99	16.00
		25	0	14.88	14.98	15.04	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	14.97	15.16	14.98	16.00
		1	25	14.94	15.15	14.98	16.00
		1	49	14.92	15.08	15.01	16.00
		25	0	14.96	15.06	14.91	16.00
		25	13	14.95	15.12	14.99	16.00
		25	25	14.83	15.14	15.01	16.00
		50	0	14.87	15.01	14.98	16.00
	16QAM	1	0	14.86	15.06	15.06	16.00
		1	25	14.93	15.01	14.90	16.00
		1	49	14.82	15.12	14.91	16.00
		25	0	14.90	15.11	14.89	16.00
		25	13	14.85	15.00	15.05	16.00
		25	25	14.93	15.00	15.08	16.00
		50	0	15.00	15.02	15.01	16.00
	64QAM	1	0	14.88	15.12	15.03	16.00
		1	25	14.92	15.07	14.91	16.00
		1	49	14.97	15.10	14.98	16.00
		25	0	14.91	15.11	15.05	16.00
		25	13	14.88	15.09	14.97	16.00
		25	25	14.90	15.06	14.88	16.00
		50	0	14.88	15.03	14.93	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	14.82	15.15	15.01	16.00
		1	38	14.85	15.07	14.93	16.00
		1	74	14.99	15.05	15.05	16.00
		36	0	14.97	15.05	14.96	16.00
		36	18	14.95	14.98	15.08	16.00
		36	39	14.95	15.14	15.00	16.00
		75	0	14.86	15.10	15.04	16.00
	16QAM	1	0	14.94	15.07	15.01	16.00
		1	38	14.92	15.11	15.06	16.00
		1	74	14.82	15.11	15.00	16.00
		36	0	14.81	14.99	15.05	16.00
		36	18	15.00	15.00	15.03	16.00
		36	39	14.96	14.97	15.01	16.00
		75	0	14.88	14.98	14.96	16.00
	64QAM	1	0	14.87	15.12	14.90	16.00
		1	38	14.92	15.10	14.89	16.00
		1	74	14.95	15.03	15.07	16.00
		36	0	14.89	15.12	14.97	16.00
		36	18	14.84	15.00	14.99	16.00
		36	39	14.98	15.09	14.99	16.00
		75	0	15.00	15.09	15.00	16.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	15.02	15.17	15.09	16.00
		1	50	14.96	15.08	14.97	16.00
		1	99	14.86	15.06	14.95	16.00
		50	0	14.99	15.14	15.01	16.00
		50	25	14.85	14.99	14.89	16.00
		50	50	14.86	15.13	14.90	16.00
		100	0	15.01	15.07	14.93	16.00
	16QAM	1	0	14.95	14.98	15.00	16.00
		1	50	15.00	15.04	15.00	16.00
		1	99	14.90	15.12	15.01	16.00
		50	0	14.94	15.16	14.97	16.00
		50	25	15.00	15.06	14.98	16.00
		50	50	15.00	15.12	15.01	16.00
		100	0	14.85	15.02	14.89	16.00
	64QAM	1	0	14.82	15.02	15.07	16.00
		1	50	14.87	15.11	14.98	16.00
		1	99	14.93	15.03	15.06	16.00
		50	0	14.91	14.97	14.99	16.00
		50	25	14.82	15.09	14.88	16.00
		50	50	14.88	15.00	14.91	16.00
		100	0	14.88	15.03	14.97	16.00

LTE Band 25 Ant0 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	16.56	16.84	16.66	17.50
		1	2	16.53	16.62	16.61	17.50
		1	5	16.58	16.80	16.47	17.50
		3	0	16.39	16.56	16.42	17.50
		3	2	16.55	16.64	16.52	17.50
		3	3	16.46	16.72	16.46	17.50
		6	0	16.57	16.52	16.50	17.50
	16QAM	1	0	16.54	16.55	16.70	17.50
		1	2	16.37	16.69	16.58	17.50
		1	5	16.41	16.58	16.67	17.50
		3	0	16.58	16.68	16.57	17.50
		3	2	16.67	16.78	16.53	17.50
		3	3	16.57	16.77	16.57	17.50
		6	0	16.50	16.80	16.64	17.50
	64QAM	1	0	16.42	16.53	16.53	17.50
		1	2	16.56	16.67	16.54	17.50
		1	5	16.60	16.78	16.64	17.50
		3	0	16.58	16.64	16.40	17.50
		3	2	16.43	16.74	16.75	17.50
		3	3	16.50	16.66	16.67	17.50
		6	0	16.54	16.69	16.70	17.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	16.53	16.83	16.47	17.50
		1	7	16.54	16.78	16.52	17.50
		1	14	16.56	16.69	16.59	17.50
		8	0	16.52	16.80	16.57	17.50
		8	4	16.62	16.82	16.58	17.50
		8	7	16.69	16.58	16.55	17.50
		15	0	16.41	16.64	16.68	17.50
	16QAM	1	0	16.50	16.63	16.57	17.50
		1	7	16.59	16.80	16.62	17.50
		1	14	16.57	16.77	16.47	17.50
		8	0	16.48	16.66	16.50	17.50
		8	4	16.48	16.75	16.57	17.50
		8	7	16.56	16.59	16.53	17.50
		15	0	16.50	16.73	16.58	17.50
	64QAM	1	0	16.62	16.62	16.57	17.50
		1	7	16.47	16.66	16.65	17.50
		1	14	16.54	16.60	16.59	17.50
		8	0	16.40	16.82	16.48	17.50
		8	4	16.37	16.68	16.58	17.50
		8	7	16.51	16.65	16.63	17.50
		15	0	16.41	16.70	16.73	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	16.37	16.81	16.44	17.50
		1	13	16.53	16.75	16.39	17.50
		1	24	16.55	16.75	16.62	17.50
		12	0	16.54	16.76	16.54	17.50
		12	6	16.51	16.74	16.59	17.50
		12	13	16.55	16.76	16.64	17.50
		25	0	16.55	16.71	16.60	17.50
	16QAM	1	0	16.51	16.61	16.56	17.50
		1	13	16.56	16.80	16.59	17.50
		1	24	16.48	16.70	16.56	17.50
		12	0	16.39	16.64	16.73	17.50
		12	6	16.49	16.65	16.63	17.50
		12	13	16.39	16.74	16.53	17.50
		25	0	16.41	16.63	16.50	17.50
	64QAM	1	0	16.61	16.59	16.64	17.50
		1	13	16.37	16.76	16.64	17.50
		1	24	16.48	16.73	16.60	17.50
		12	0	16.40	16.74	16.71	17.50
		12	6	16.41	16.58	16.70	17.50
		12	13	16.57	16.70	16.66	17.50
		25	0	16.53	16.68	16.63	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	16.52	16.79	16.62	17.50
		1	25	16.49	16.72	16.53	17.50
		1	49	16.42	16.62	16.58	17.50

		25	0	16.51	16.66	16.44	17.50
		25	13	16.51	16.73	16.51	17.50
		25	25	16.37	16.78	16.66	17.50
		50	0	16.39	16.57	16.55	17.50
	16QAM	1	0	16.52	16.69	16.58	17.50
		1	25	16.53	16.51	16.44	17.50
		1	49	16.48	16.72	16.48	17.50
		25	0	16.53	16.72	16.40	17.50
		25	13	16.49	16.52	16.73	17.50
		25	25	16.58	16.52	16.59	17.50
		50	0	16.60	16.63	16.66	17.50
	64QAM	1	0	16.38	16.76	16.66	17.50
		1	25	16.61	16.58	16.61	17.50
		1	49	16.66	16.78	16.63	17.50
		25	0	16.48	16.73	16.66	17.50
		25	13	16.54	16.60	16.66	17.50
		25	25	16.59	16.74	16.55	17.50
		50	0	16.45	16.62	16.50	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	16.41	16.83	16.69	17.50
		1	38	16.48	16.68	16.51	17.50
		1	74	16.49	16.56	16.72	17.50
		36	0	16.49	16.56	16.58	17.50
		36	18	16.64	16.56	16.70	17.50
		36	39	16.53	16.82	16.50	17.50
		75	0	16.39	16.61	16.68	17.50
	16QAM	1	0	16.47	16.58	16.59	17.50
		1	38	16.51	16.71	16.69	17.50
		1	74	16.40	16.65	16.69	17.50
		36	0	16.44	16.51	16.61	17.50
		36	18	16.66	16.62	16.70	17.50
		36	39	16.57	16.58	16.54	17.50
		75	0	16.51	16.59	16.52	17.50
	64QAM	1	0	16.42	16.76	16.50	17.50
		1	38	16.60	16.72	16.57	17.50
		1	74	16.50	16.71	16.66	17.50
		36	0	16.55	16.76	16.57	17.50
		36	18	16.40	16.60	16.61	17.50
		36	39	16.52	16.75	16.63	17.50
		75	0	16.64	16.69	16.69	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	16.56	16.86	16.76	17.50
		1	50	16.49	16.62	16.47	17.50
		1	99	16.50	16.62	16.57	17.50
		50	0	16.51	16.79	16.58	17.50
		50	25	16.40	16.56	16.59	17.50
		50	50	16.47	16.83	16.50	17.50
		100	0	16.53	16.69	16.53	17.50
	16QAM	1	0	16.48	16.51	16.61	17.50

		1	50	16.61	16.62	16.65	17.50
		1	99	16.54	16.82	16.66	17.50
		50	0	16.46	16.85	16.54	17.50
		50	25	16.50	16.62	16.51	17.50
		50	50	16.52	16.77	16.65	17.50
		100	0	16.41	16.58	16.54	17.50
	64QAM	1	0	16.47	16.57	16.63	17.50
		1	50	16.50	16.77	16.54	17.50
		1	99	16.56	16.69	16.57	17.50
		50	0	16.43	16.49	16.68	17.50
		50	25	16.35	16.72	16.56	17.50
		50	50	16.41	16.61	16.44	17.50
		100	0	16.41	16.60	16.59	17.50

LTE Band 38 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.72	22.63	22.78	24.00
		1	13	22.72	22.73	22.85	24.00
		1	24	22.70	22.70	22.78	24.00
		12	0	21.86	21.78	21.80	23.00
		12	6	21.81	21.74	21.83	23.00
		12	13	21.76	21.81	21.77	23.00
		25	0	21.81	21.73	21.82	23.00
	16QAM	1	0	21.83	21.83	21.80	23.00
		1	13	22.02	21.97	21.85	23.00
		1	24	21.76	22.05	21.79	23.00
		12	0	20.75	20.72	20.78	22.00
		12	6	20.87	20.73	20.76	22.00
		12	13	20.85	20.80	20.82	22.00
		25	0	20.79	20.69	20.74	22.00
	64QAM	1	0	20.69	20.52	20.63	22.00
		1	13	20.68	20.56	20.71	22.00
		1	24	20.57	20.64	20.75	22.00
		12	0	19.80	19.75	19.69	21.00
		12	6	19.74	19.68	19.71	21.00
		12	13	19.69	19.62	19.72	21.00
		25	0	19.63	19.56	19.64	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	22.82	22.78	22.85	24.00
		1	25	22.69	22.73	22.74	24.00

		1	49	22.65	22.73	22.74	24.00
		25	0	21.82	21.75	21.73	23.00
		25	13	21.82	21.74	21.76	23.00
		25	25	21.76	21.82	21.79	23.00
		50	0	21.80	21.74	21.75	23.00
	16QAM	1	0	22.00	21.67	21.68	23.00
		1	25	21.95	21.90	21.61	23.00
		1	49	21.87	21.92	21.55	23.00
		25	0	20.84	20.75	20.77	22.00
		25	13	20.81	20.78	20.79	22.00
		25	25	20.79	20.83	20.79	22.00
		50	0	20.78	20.73	20.71	22.00
	64QAM	1	0	20.75	20.62	20.82	22.00
		1	25	20.55	20.67	20.69	22.00
		1	49	20.49	20.67	20.67	22.00
		25	0	19.67	19.62	19.63	21.00
		25	13	19.78	19.73	19.57	21.00
		25	25	19.57	19.80	19.66	21.00
		50	0	19.78	19.67	19.55	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.62	22.76	22.72	24.00
		1	38	22.54	22.61	22.53	24.00
		1	74	22.55	22.63	22.49	24.00
		36	0	21.62	21.63	21.60	23.00
		36	18	21.70	21.62	21.65	23.00
		36	39	21.58	21.65	21.61	23.00
		75	0	21.66	21.58	21.55	23.00
	16QAM	1	0	21.89	21.68	22.05	23.00
		1	38	21.84	21.60	21.63	23.00
		1	74	21.74	21.64	22.05	23.00
		36	0	20.60	20.62	20.63	22.00
		36	18	20.68	20.63	20.61	22.00
		36	39	20.62	20.63	20.61	22.00
		75	0	20.59	20.56	20.61	22.00
	64QAM	1	0	20.44	20.59	20.59	22.00
		1	38	20.50	20.52	20.50	22.00
		1	74	20.51	20.46	20.44	22.00
		36	0	19.59	19.43	19.60	21.00
		36	18	19.58	19.47	19.53	21.00
		36	39	19.38	19.54	19.47	21.00
		75	0	19.61	19.53	19.41	21.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	22.73	22.61	22.62	24.00
		1	50	22.55	22.68	22.70	24.00
		1	99	22.55	22.59	22.54	24.00
		50	0	21.62	21.64	21.61	23.00
		50	25	21.65	21.66	21.64	23.00
		50	50	21.60	21.72	21.68	23.00
		100	0	21.63	21.65	21.59	23.00
	16QAM	1	0	21.78	21.89	21.92	23.00
		1	50	21.62	21.50	21.78	23.00
		1	99	21.58	21.43	21.86	23.00
		50	0	20.60	20.62	20.64	22.00
		50	25	20.65	20.64	20.63	22.00
		50	50	20.60	20.75	20.67	22.00
		100	0	20.64	20.66	20.61	22.00
	64QAM	1	0	20.69	20.56	20.49	22.00
		1	50	20.44	20.57	20.60	22.00
		1	99	20.41	20.42	20.42	22.00
		50	0	19.55	19.49	19.47	21.00
		50	25	19.58	19.53	19.46	21.00
		50	50	19.53	19.68	19.55	21.00
		100	0	19.55	19.64	19.51	21.00

LTE Band 41 Ant0 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	22.83	22.58	22.59	22.69	22.98	24.00
		1	13	23.04	22.74	22.69	22.87	23.11	24.00
		1	24	22.92	22.61	22.59	22.75	23.08	24.00
		12	0	22	21.82	21.7	21.78	21.99	23.00
		12	6	22.04	21.84	21.72	21.81	22.02	23.00
		12	13	22	21.75	21.68	21.72	21.98	23.00
		25	0	21.99	21.81	21.66	21.76	21.98	23.00
	16QAM	1	0	22.01	21.66	21.53	21.76	22.29	23.00
		1	13	22.28	22.02	21.99	22.01	22.1	23.00
		1	24	22.03	21.67	21.6	21.71	21.99	23.00
		12	0	21.01	20.82	20.71	20.78	21.01	22.00
		12	6	21.09	20.82	20.64	20.68	20.92	22.00
		12	13	21.02	20.82	20.66	20.81	21.07	22.00

		25	0	21.03	20.7	20.66	20.77	20.95	22.00
	64QAM	1	0	20.65	20.38	20.45	20.57	20.96	22.00
		1	13	20.95	20.7	20.53	20.86	20.93	22.00
		1	24	20.87	20.52	20.46	20.67	20.98	22.00
		12	0	19.82	19.69	19.54	19.69	19.98	21.00
		12	6	19.9	19.82	19.69	19.71	19.87	21.00
		12	13	19.96	19.7	19.58	19.7	19.91	21.00
		25	0	19.95	19.7	19.63	19.58	19.82	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.94	22.68	22.71	22.8	23.06	24.00
		1	25	22.95	22.65	22.61	22.77	23.03	24.00
		1	49	22.9	22.62	22.57	22.59	22.87	24.00
		25	0	21.97	21.73	21.61	21.73	21.97	23.00
		25	13	22.06	21.88	21.75	21.79	22.09	23.00
		25	25	22.06	21.87	21.74	21.72	21.99	23.00
		50	0	22.06	21.77	21.72	21.76	22.03	23.00
	16QAM	1	0	21.94	21.63	21.53	21.54	21.68	23.00
		1	25	22.13	21.77	21.48	21.58	21.95	23.00
		1	49	21.84	21.63	21.56	21.83	22.23	23.00
		25	0	20.99	20.84	20.69	20.68	20.91	22.00
		25	13	21.12	20.93	20.76	20.8	21.1	22.00
		25	25	21.06	20.75	20.72	20.81	20.97	22.00
		50	0	21.07	20.77	20.7	20.8	21.09	22.00
	64QAM	1	0	20.85	20.5	20.63	20.69	21.03	22.00
		1	25	20.85	20.56	20.53	20.73	20.98	22.00
		1	49	20.89	20.5	20.42	20.55	20.79	22.00
		25	0	19.93	19.64	19.54	19.68	19.84	21.00
		25	13	19.94	19.77	19.59	19.67	20.04	21.00
		25	25	20.01	19.81	19.55	19.63	19.91	21.00
		50	0	20.01	19.76	19.61	19.6	20.01	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.81	22.53	22.48	22.56	22.83	24.00
		1	38	22.72	22.41	22.37	22.46	22.84	24.00
		1	74	22.65	22.47	22.49	22.58	22.83	24.00
		36	0	21.78	21.54	21.55	21.69	21.91	23.00
		36	18	21.86	21.59	21.59	21.63	21.88	23.00
		36	39	21.79	21.6	21.57	21.58	21.89	23.00
		75	0	21.83	21.65	21.55	21.56	21.82	23.00
	16QAM	1	0	22.06	21.65	21.34	21.4	21.7	23.00
		1	38	21.89	21.56	21.36	21.52	21.89	23.00

		1	74	21.85	21.44	21.33	21.57	22.1	23.00
		36	0	20.83	20.61	20.53	20.76	21.21	22.00
		36	18	20.88	20.68	20.56	20.91	21.33	22.00
		36	39	20.8	20.66	20.54	20.94	21.42	22.00
		75	0	20.86	20.61	20.58	20.86	21.37	22.00
	64QAM	1	0	20.64	20.4	20.31	20.43	20.7	22.00
		1	38	20.61	20.28	20.26	20.28	20.68	22.00
		1	74	20.46	20.28	20.46	20.54	20.66	22.00
		36	0	19.71	19.38	19.36	19.58	19.81	21.00
		36	18	19.81	19.49	19.42	19.61	19.77	21.00
		36	39	19.6	19.47	19.42	19.46	19.84	21.00
		75	0	19.7	19.47	19.55	19.5	19.63	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.88	22.98	23.13	22.93	23.08	24.00
		1	50	22.81	22.57	22.35	22.48	22.75	24.00
		1	99	22.68	22.52	22.4	22.52	22.72	24.00
		50	0	21.89	21.92	21.95	21.86	21.88	23.00
		50	25	21.85	21.59	21.6	21.67	21.84	23.00
		50	50	21.76	21.66	21.57	21.72	21.78	23.00
		100	0	21.86	21.6	21.98	21.71	21.91	23.00
	16QAM	1	0	22.14	21.6	21.33	21.56	22.03	23.00
		1	50	21.81	21.63	21.68	21.8	21.96	23.00
		1	99	21.59	21.35	21.4	21.66	21.94	23.00
		50	0	20.81	20.55	20.5	20.66	20.89	22.00
		50	25	20.88	20.62	20.61	20.65	20.95	22.00
		50	50	20.79	20.65	20.52	20.65	20.87	22.00
		100	0	20.87	20.59	20.58	20.73	20.94	22.00
	64QAM	1	0	20.8	20.91	21.04	20.81	20.88	22.00
		1	50	20.69	20.47	20.33	20.47	20.69	22.00
		1	99	20.53	20.33	20.27	20.5	20.54	22.00
		50	0	19.78	19.76	19.83	19.71	19.69	21.00
		50	25	19.83	19.4	19.53	19.52	19.76	21.00
		50	50	19.62	19.66	19.52	19.55	19.71	21.00
		100	0	19.81	19.48	19.94	19.56	19.77	21.00

LTE Band 42a Ant2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	20.26	19.66	19.81	21.50

		1	13	20.30	19.75	19.86	21.50
		1	24	20.29	19.67	19.74	21.50
		12	0	19.37	18.77	18.76	20.50
		12	6	19.41	18.74	18.87	20.50
		12	13	19.24	18.73	18.84	20.50
		25	0	19.31	18.72	18.90	20.50
	16QAM	1	0	19.39	18.89	18.90	20.50
		1	13	19.81	18.58	19.21	20.50
		1	24	19.63	18.53	19.05	20.50
		12	0	18.30	17.70	17.79	19.50
		12	6	18.37	17.76	17.76	19.50
		12	13	18.16	17.72	17.81	19.50
		25	0	18.34	17.64	17.77	19.50
	64QAM	1	0	18.49	17.60	17.84	19.50
		1	13	18.57	17.67	17.50	19.50
		1	24	17.92	17.72	17.68	19.50
		12	0	17.27	16.78	16.72	18.50
		12	6	17.34	16.75	16.98	18.50
		12	13	17.19	16.77	16.72	18.50
		25	0	17.25	16.73	16.84	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	20.28	19.80	20.04	21.50
		1	25	20.32	19.78	20.14	21.50
		1	49	20.32	19.97	20.08	21.50
		25	0	19.34	18.89	19.08	20.50
		25	13	19.39	18.90	19.22	20.50
		25	25	19.23	18.90	19.17	20.50
		50	0	19.32	18.89	19.20	20.50
	16QAM	1	0	19.16	18.90	19.14	20.50
		1	25	19.12	18.81	19.09	20.50
		1	49	19.50	18.83	18.95	20.50
		25	0	18.31	17.81	18.11	19.50
		25	13	18.31	17.93	18.19	19.50
		25	25	18.29	17.96	18.15	19.50
		50	0	18.34	17.87	18.16	19.50
	64QAM	1	0	17.90	17.55	17.82	19.50
		1	25	18.71	18.13	17.88	19.50
		1	49	17.84	17.75	18.28	19.50
		25	0	17.33	16.87	17.09	18.50
		25	13	17.35	17.00	17.26	18.50
		25	25	17.30	16.94	17.21	18.50

		50	0	17.35	17.00	17.15	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	20.09	19.68	19.88	21.50
		1	38	20.00	19.66	19.93	21.50
		1	74	19.96	19.79	19.91	21.50
		36	0	19.22	18.79	18.97	20.50
		36	18	19.11	18.75	18.93	20.50
		36	39	19.11	18.77	19.01	20.50
		75	0	19.15	18.73	18.95	20.50
	16QAM	1	0	19.25	18.63	18.91	20.50
		1	38	19.07	18.77	18.96	20.50
		1	74	19.11	19.25	19.02	20.50
		36	0	18.30	17.77	17.99	19.50
		36	18	18.16	17.79	17.95	19.50
		36	39	18.15	17.81	18.07	19.50
		75	0	18.16	17.77	17.87	19.50
	64QAM	1	0	17.66	17.79	18.19	19.50
		1	38	17.89	17.61	18.02	19.50
		1	74	18.33	18.10	17.95	19.50
		36	0	17.23	16.79	16.88	18.50
		36	18	17.12	16.81	16.95	18.50
		36	39	17.15	16.75	17.06	18.50
		75	0	17.16	16.79	16.93	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	20.34	19.77	19.73	21.50
		1	50	20.26	19.65	19.86	21.50
		1	99	20.03	19.71	20.00	21.50
		50	0	19.26	18.78	18.89	20.50
		50	25	19.21	18.84	18.94	20.50
		50	50	19.07	18.83	18.97	20.50
		100	0	19.18	18.76	18.94	20.50
	16QAM	1	0	19.34	19.00	18.91	20.50
		1	50	19.17	18.87	19.00	20.50
		1	99	19.18	18.52	18.67	20.50
		50	0	18.26	17.84	17.85	19.50
		50	25	18.13	17.79	18.04	19.50
		50	50	18.05	17.85	17.97	19.50
		100	0	18.15	17.89	17.92	19.50
	64QAM	1	0	18.17	17.91	17.70	19.50
		1	50	18.29	17.66	18.05	19.50

		1	99	18.06	17.76	18.14	19.50
		50	0	17.19	16.83	16.92	18.50
		50	25	17.21	16.81	17.06	18.50
		50	50	17.09	16.84	17.09	18.50
		100	0	17.11	16.81	17.00	18.50

LTE Band 42a Ant2 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	18.93	18.45	18.51	20.00
		1	13	19.08	18.49	18.53	20.00
		1	24	18.98	18.45	18.54	20.00
		12	0	19.03	18.47	18.43	20.00
		12	6	18.35	18.51	18.60	20.00
		12	13	18.87	18.45	18.63	20.00
		25	0	19.05	18.45	18.59	20.00
	16QAM	1	0	18.22	18.65	18.67	20.00
		1	13	18.23	18.37	18.93	20.00
		1	24	18.19	18.22	18.76	20.00
		12	0	18.49	17.88	17.97	19.50
		12	6	18.55	17.97	18.01	19.50
		12	13	18.30	17.91	17.98	19.50
		25	0	18.63	17.74	17.90	19.50
	64QAM	1	0	18.60	17.85	18.07	19.50
		1	13	18.68	17.82	17.78	19.50
		1	24	18.11	17.98	17.85	19.50
		12	0	17.53	16.92	16.84	18.50
		12	6	17.52	16.91	17.25	18.50
		12	13	17.36	17.04	17.02	18.50
		25	0	17.54	16.91	17.10	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	19.08	18.52	18.81	20.00
		1	25	19.10	18.48	18.84	20.00
		1	49	19.04	18.60	18.87	20.00
		25	0	19.01	18.67	18.82	20.00
		25	13	19.09	18.50	18.87	20.00
		25	25	18.96	18.55	18.95	20.00
		50	0	19.06	18.66	18.88	20.00
	16QAM	1	0	18.93	18.67	18.84	20.00

		1	25	18.91	18.55	18.83	20.00
		1	49	19.01	18.48	18.65	20.00
		25	0	18.51	17.93	18.36	19.50
		25	13	18.54	18.20	18.48	19.50
		25	25	18.46	18.11	18.26	19.50
		50	0	18.57	18.10	18.26	19.50
	64QAM	1	0	18.06	17.78	18.06	19.50
		1	25	18.88	18.38	18.00	19.50
		1	49	17.94	17.90	18.57	19.50
		25	0	17.48	17.07	17.23	18.50
		25	13	17.51	17.24	17.43	18.50
		25	25	17.52	17.20	17.49	18.50
		50	0	17.62	17.21	17.43	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	18.98	18.41	18.55	20.00
		1	38	18.63	18.28	18.57	20.00
		1	74	18.57	18.57	18.56	20.00
		36	0	18.96	18.42	18.67	20.00
		36	18	18.84	18.53	18.69	20.00
		36	39	18.76	18.40	18.67	20.00
		75	0	18.94	18.52	18.60	20.00
	16QAM	1	0	18.88	18.38	18.66	20.00
		1	38	18.73	18.38	18.63	20.00
		1	74	18.88	18.97	18.71	20.00
		36	0	18.45	18.02	18.12	19.50
		36	18	18.38	17.93	18.18	19.50
		36	39	18.29	18.10	18.19	19.50
		75	0	18.44	17.90	18.07	19.50
	64QAM	1	0	17.90	17.92	18.41	19.50
		1	38	18.01	17.75	18.24	19.50
		1	74	18.49	18.38	18.13	19.50
		36	0	17.36	17.03	17.03	18.50
		36	18	17.33	17.03	17.13	18.50
		36	39	17.39	16.88	17.22	18.50
		75	0	17.35	16.92	17.20	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	19.11	18.41	18.52	20.00
		1	50	18.88	18.42	18.59	20.00
		1	99	18.68	18.32	18.70	20.00
		50	0	18.89	18.43	18.66	20.00

		50	25	18.82	18.53	18.60	20.00
		50	50	18.81	18.52	18.69	20.00
		100	0	18.85	18.38	18.54	20.00
	16QAM	1	0	18.94	18.64	18.68	20.00
		1	50	18.86	18.60	18.78	20.00
		1	99	18.80	18.23	18.38	20.00
		50	0	18.41	17.96	18.10	19.50
		50	25	18.39	18.09	18.31	19.50
		50	50	18.25	18.13	18.21	19.50
		100	0	18.27	18.02	18.20	19.50
	64QAM	1	0	18.32	18.17	17.94	19.50
		1	50	18.46	17.95	18.33	19.50
		1	99	18.22	18.05	18.25	19.50
		50	0	17.37	17.08	17.15	18.50
		50	25	17.50	16.97	17.22	18.50
		50	50	17.30	16.97	17.19	18.50
		100	0	17.35	17.00	17.25	18.50

LTE Band 42a Ant2 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	18.34	17.79	17.86	19.50
		1	13	18.31	17.92	17.88	19.50
		1	24	18.17	17.76	17.87	19.50
		12	0	18.24	17.81	17.95	19.50
		12	6	18.31	17.82	17.98	19.50
		12	13	18.25	17.87	17.92	19.50
		25	0	18.29	17.88	18.04	19.50
	16QAM	1	0	18.23	18.03	17.99	19.50
		1	13	18.17	17.63	18.30	19.50
		1	24	18.21	17.61	18.10	19.50
		12	0	18.31	17.86	17.85	19.50
		12	6	18.24	17.90	17.83	19.50
		12	13	18.17	17.75	17.84	19.50
		25	0	18.24	17.79	17.81	19.50
	64QAM	1	0	18.17	17.79	17.90	19.50
		1	13	18.30	17.76	17.62	19.50
		1	24	18.06	17.79	17.79	19.50
		12	0	17.38	16.98	16.84	18.50
		12	6	17.46	16.79	17.03	18.50

		12	13	17.23	16.96	16.78	18.50
		25	0	17.35	16.89	16.91	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	18.35	17.90	18.12	19.50
		1	25	18.18	17.91	18.29	19.50
		1	49	18.21	18.12	18.14	19.50
		25	0	18.24	17.90	18.19	19.50
		25	13	18.20	18.02	18.34	19.50
		25	25	18.19	17.95	18.28	19.50
		50	0	18.28	18.07	18.34	19.50
	16QAM	1	0	18.17	17.93	18.15	19.50
		1	25	18.23	17.81	18.17	19.50
		1	49	18.33	17.90	18.01	19.50
		25	0	18.28	17.86	18.25	19.50
		25	13	18.20	17.98	18.26	19.50
		25	25	18.30	18.14	18.19	19.50
		50	0	18.28	18.03	18.17	19.50
	64QAM	1	0	17.93	17.73	17.99	19.50
		1	25	18.25	18.16	17.95	19.50
		1	49	17.95	17.95	18.20	19.50
		25	0	17.42	16.97	17.13	18.50
		25	13	17.43	17.07	17.30	18.50
		25	25	17.41	17.04	17.28	18.50
		50	0	17.48	17.03	17.23	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	18.25	17.74	17.89	19.50
		1	38	18.06	17.67	17.97	19.50
		1	74	18.00	17.96	18.01	19.50
		36	0	18.11	17.85	17.98	19.50
		36	18	18.18	17.81	17.93	19.50
		36	39	18.15	17.83	18.04	19.50
		75	0	18.19	17.91	18.14	19.50
	16QAM	1	0	18.20	17.67	18.04	19.50
		1	38	18.12	17.89	18.02	19.50
		1	74	18.22	17.94	18.19	19.50
		36	0	18.17	17.90	18.17	19.50
		36	18	18.23	17.93	17.97	19.50
		36	39	18.23	17.89	18.11	19.50
		75	0	18.23	17.87	17.94	19.50
	64QAM	1	0	17.71	17.94	18.15	19.50

		1	38	17.98	17.70	18.13	19.50
		1	74	18.15	18.17	18.01	19.50
		36	0	17.24	16.83	17.00	18.50
		36	18	17.15	16.91	17.05	18.50
		36	39	17.22	16.80	17.12	18.50
		75	0	17.16	16.97	17.11	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	18.51	17.95	17.92	19.50
		1	50	18.45	17.82	17.90	19.50
		1	99	18.13	17.73	18.16	19.50
		50	0	18.29	17.88	17.97	19.50
		50	25	18.21	17.85	18.13	19.50
		50	50	18.11	17.90	18.05	19.50
		100	0	18.18	17.85	18.04	19.50
	16QAM	1	0	18.41	18.11	17.98	19.50
		1	50	18.28	17.99	18.09	19.50
		1	99	18.27	17.55	17.80	19.50
		50	0	18.29	17.92	17.95	19.50
		50	25	18.31	17.90	18.09	19.50
		50	50	18.10	17.94	17.98	19.50
		100	0	18.26	17.95	18.02	19.50
	64QAM	1	0	18.30	18.07	17.78	19.50
		1	50	18.38	17.85	18.09	19.50
		1	99	18.25	17.81	18.32	19.50
		50	0	17.33	16.88	16.96	18.50
		50	25	17.27	16.94	17.16	18.50
		50	50	17.12	16.88	17.17	18.50
		100	0	17.25	16.97	17.18	18.50

LTE Band 43d Ant2 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44615	45090	45565	
5MHz	QPSK	1	0	20.19	20.08	19.66	21.50
		1	13	20.22	20.05	19.70	21.50
		1	24	20.19	20.11	19.68	21.50
		12	0	19.24	19.17	18.72	20.50
		12	6	19.24	19.20	18.86	20.50
		12	13	19.21	19.14	18.71	20.50
		25	0	19.26	19.14	18.74	20.50

	16QAM	1	0	19.25	19.36	18.69	20.50
		1	13	19.38	19.31	18.78	20.50
		1	24	19.34	19.47	18.76	20.50
		12	0	18.23	18.16	17.77	19.50
		12	6	18.24	18.20	17.71	19.50
		12	13	18.30	18.14	17.78	19.50
		25	0	18.18	18.07	17.71	19.50
	64QAM	1	0	18.50	18.42	17.73	19.50
		1	13	18.53	17.84	17.93	19.50
		1	24	18.49	17.80	17.69	19.50
		12	0	17.28	17.23	16.69	18.50
		12	6	17.31	17.21	16.74	18.50
		12	13	17.35	17.22	16.81	18.50
		25	0	17.12	17.18	16.77	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44640	45090	45540	
10MHz	QPSK	1	0	20.23	20.09	19.73	21.50
		1	25	20.19	20.16	19.71	21.50
		1	49	20.14	20.12	19.66	21.50
		25	0	19.28	19.21	18.83	20.50
		25	13	19.26	19.19	18.79	20.50
		25	25	19.14	19.18	18.77	20.50
		50	0	19.16	19.18	18.79	20.50
	16QAM	1	0	19.39	19.08	18.77	20.50
		1	25	19.30	19.02	18.72	20.50
		1	49	19.39	18.95	18.52	20.50
		25	0	18.24	18.20	17.81	19.50
		25	13	18.28	18.24	17.81	19.50
		25	25	18.23	18.19	17.74	19.50
		50	0	18.20	18.14	17.73	19.50
	64QAM	1	0	17.79	17.67	18.06	19.50
		1	25	17.75	17.70	17.64	19.50
		1	49	17.74	18.49	17.57	19.50
		25	0	17.28	17.18	16.74	18.50
		25	13	17.31	17.15	16.79	18.50
		25	25	17.18	17.11	16.78	18.50
		50	0	17.17	17.18	16.78	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44665	45090	45515	
15MHz	QPSK	1	0	20.09	20.04	19.81	21.50
		1	38	20.02	20.06	19.62	21.50
		1	74	20.05	20.01	19.58	21.50

		36	0	19.06	19.08	18.69	20.50
		36	18	19.01	19.05	18.67	20.50
		36	39	18.96	19.08	18.63	20.50
		75	0	18.99	19.07	18.68	20.50
	16QAM	1	0	19.04	18.88	18.87	20.50
		1	38	19.26	19.05	18.88	20.50
		1	74	19.08	19.10	19.09	20.50
		36	0	18.11	18.03	17.68	19.50
		36	18	18.05	18.05	17.68	19.50
		36	39	18.01	18.03	17.66	19.50
		75	0	17.99	18.03	17.67	19.50
	64QAM	1	0	18.46	18.16	17.99	19.50
		1	38	17.62	18.11	18.01	19.50
		1	74	18.32	18.45	17.62	19.50
		36	0	17.16	17.03	16.77	18.50
		36	18	17.03	17.04	16.68	18.50
		36	39	17.04	17.03	16.71	18.50
		75	0	17.02	17.02	16.67	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44690	45090	45490	
20MHz	QPSK	1	0	20.04	20.24	19.75	21.50
		1	50	19.98	20.06	19.66	21.50
		1	99	20.03	19.89	19.61	21.50
		50	0	19.11	19.18	18.71	20.50
		50	25	19.09	19.06	18.70	20.50
		50	50	19.12	19.03	18.67	20.50
		100	0	19.08	19.14	18.76	20.50
	16QAM	1	0	19.11	19.24	18.90	20.50
		1	50	19.09	18.84	18.92	20.50
		1	99	19.07	18.80	18.86	20.50
		50	0	18.06	18.03	17.71	19.50
		50	25	18.04	18.08	17.73	19.50
		50	50	18.04	18.04	17.74	19.50
		100	0	18.11	18.09	17.71	19.50
	64QAM	1	0	17.93	18.27	18.06	19.50
		1	50	18.25	17.67	17.51	19.50
		1	99	18.14	17.93	17.84	19.50
		50	0	16.97	17.07	16.78	18.50
		50	25	17.11	17.14	16.70	18.50
		50	50	16.98	17.05	16.70	18.50
		100	0	17.05	17.06	16.73	18.50

LTE Band 43d Ant2 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44615	45090	45565	
5MHz	QPSK	1	0	18.89	18.59	18.29	20.00
		1	13	18.73	18.55	18.35	20.00
		1	24	18.86	18.67	18.26	20.00
		12	0	18.8	18.79	18.39	20.00
		12	6	18.8	18.75	18.52	20.00
		12	13	18.84	18.69	18.38	20.00
		25	0	18.65	18.79	18.43	20.00
	16QAM	1	0	18.77	18.55	18.22	20.00
		1	13	18.7	18.61	18.3	20.00
		1	24	18.61	18.58	18.34	20.00
		12	0	18.43	18.22	17.87	19.50
		12	6	18.3	18.28	17.73	19.50
		12	13	18.4	18.25	17.92	19.50
		25	0	18.24	18.26	17.88	19.50
	64QAM	1	0	18.52	18.58	17.83	19.50
		1	13	18.61	17.90	18.09	19.50
		1	24	18.66	17.84	17.71	19.50
		12	0	17.45	17.29	16.85	18.50
		12	6	17.43	17.25	16.78	18.50
		12	13	17.48	17.29	16.97	18.50
		25	0	17.27	17.31	16.94	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44640	45090	45540	
10MHz	QPSK	1	0	18.75	18.78	18.27	20.00
		1	25	18.79	18.81	18.32	20.00
		1	49	18.79	18.67	18.17	20.00
		25	0	18.77	18.79	18.46	20.00
		25	13	18.79	18.79	18.46	20.00
		25	25	18.74	18.79	18.38	20.00
		50	0	18.73	18.7	18.39	20.00
	16QAM	1	0	18.77	18.7	18.46	20.00
		1	25	18.77	18.64	18.24	20.00
		1	49	18.65	18.63	18.1	20.00
		25	0	18.4	18.35	17.99	19.50
		25	13	18.39	18.43	17.91	19.50
		25	25	18.24	18.29	17.82	19.50

		50	0	18.29	18.15	17.83	19.50
	64QAM	1	0	17.94	17.84	18.09	19.50
		1	25	17.83	17.88	17.76	19.50
		1	49	17.80	18.50	17.65	19.50
		25	0	17.42	17.33	16.76	18.50
		25	13	17.32	17.34	16.92	18.50
		25	25	17.36	17.26	16.96	18.50
		50	0	17.25	17.35	16.91	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44665	45090	45515	
15MHz	QPSK	1	0	18.77	18.72	18.35	20.00
		1	38	18.71	18.73	18.29	20.00
		1	74	18.71	18.54	18.13	20.00
		36	0	18.72	18.6	18.26	20.00
		36	18	18.65	18.68	18.27	20.00
		36	39	18.57	18.73	18.31	20.00
		75	0	18.58	18.65	18.21	20.00
		75	0	18.58	18.65	18.21	20.00
	16QAM	1	0	18.55	18.41	18.39	20.00
		1	38	18.51	18.64	18.47	20.00
		1	74	18.7	18.75	18.76	20.00
		36	0	18.24	18.17	17.8	19.50
		36	18	18.09	18.18	17.74	19.50
		36	39	18.21	18.06	17.72	19.50
		75	0	18.01	18.13	17.8	19.50
		75	0	18.01	18.13	17.8	19.50
	64QAM	1	0	18.54	18.24	18.02	19.50
		1	38	17.72	18.26	18.02	19.50
		1	74	18.51	18.57	17.69	19.50
		36	0	17.19	17.21	16.84	18.50
		36	18	17.08	17.22	16.68	18.50
		36	39	17.14	17.14	16.72	18.50
		75	0	17.17	17.19	16.85	18.50
		75	0	17.17	17.19	16.85	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44690	45090	45490	
20MHz	QPSK	1	0	18.57	18.99	18.33	20.00
		1	50	18.65	18.71	18.23	20.00
		1	99	18.64	18.51	18.2	20.00
		50	0	18.81	18.86	18.35	20.00
		50	25	18.69	18.72	18.26	20.00
		50	50	18.71	18.62	18.2	20.00
		100	0	18.73	18.71	18.31	20.00
		100	0	18.73	18.71	18.31	20.00
	16QAM	1	0	18.73	18.8	18.55	20.00
		1	50	18.76	18.39	18.47	20.00

		1	99	18.7	18.33	18.5	20.00
		50	0	18.11	18.03	17.77	19.50
		50	25	18.1	18.24	17.77	19.50
		50	50	18.17	18.1	17.82	19.50
		100	0	18.24	18.29	17.82	19.50
	64QAM	1	0	17.95	18.28	18.18	19.50
		1	50	18.45	17.79	17.61	19.50
		1	99	18.28	17.98	17.91	19.50
		50	0	17.02	17.25	16.86	18.50
		50	25	17.26	17.26	16.87	18.50
		50	50	17.05	17.14	16.87	18.50
		100	0	17.17	17.17	16.80	18.50

LTE Band 43d Ant2 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44615	45090	45565	
5MHz	QPSK	1	0	18.27	18.23	17.68	19.50
		1	13	18.12	18.09	17.78	19.50
		1	24	18.17	18.21	17.81	19.50
		12	0	18.15	18.24	17.8	19.50
		12	6	18.25	18.26	17.95	19.50
		12	13	18.18	18.22	17.87	19.50
		25	0	18.08	18.16	17.89	19.50
	16QAM	1	0	18.21	18.1	17.82	19.50
		1	13	18.25	18.24	17.97	19.50
		1	24	18.22	18.26	17.83	19.50
		12	0	18.13	18.12	17.8	19.50
		12	6	18.14	18.26	17.88	19.50
		12	13	18.2	18.22	17.87	19.50
		25	0	18.17	18.24	17.72	19.50
	64QAM	1	0	18.08	18.22	17.74	19.50
		1	13	18.25	17.88	18.08	19.50
		1	24	18.15	17.85	17.79	19.50
		12	0	17.29	17.32	16.81	18.50
		12	6	17.43	17.33	16.89	18.50
		12	13	17.53	17.29	16.83	18.50
		25	0	17.22	17.22	16.93	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44640	45090	45540	
10MHz	QPSK	1	0	18.32	18.22	17.83	19.50

		1	25	18.15	18.19	17.84	19.50
		1	49	18.18	18.26	17.7	19.50
		25	0	18.27	18.25	17.95	19.50
		25	13	18.3	18.31	17.9	19.50
		25	25	18.17	18.26	17.94	19.50
		50	0	18.26	18.25	17.85	19.50
	16QAM	1	0	18.19	18.22	17.85	19.50
		1	25	18.3	18.1	17.78	19.50
		1	49	18.17	18.12	17.61	19.50
		25	0	18.26	18.28	17.97	19.50
		25	13	18.26	18.21	17.85	19.50
		25	25	18.26	18.3	17.92	19.50
		50	0	18.23	18.3	17.74	19.50
	64QAM	1	0	17.81	17.67	18.24	19.50
		1	25	17.87	17.76	17.65	19.50
		1	49	17.94	18.19	17.70	19.50
		25	0	17.40	17.19	16.81	18.50
		25	13	17.45	17.19	16.86	18.50
		25	25	17.34	17.21	16.90	18.50
		50	0	17.37	17.19	16.78	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44665	45090	45515	
15MHz	QPSK	1	0	18.18	18.23	17.93	19.50
		1	38	18.16	18.14	17.64	19.50
		1	74	18.08	18.14	17.59	19.50
		36	0	18.12	18.1	17.8	19.50
		36	18	18.01	18.15	17.77	19.50
		36	39	18.13	18.12	17.79	19.50
		75	0	18.06	18.1	17.88	19.50
	16QAM	1	0	18.13	18.01	17.96	19.50
		1	38	18.18	18.21	17.9	19.50
		1	74	18.14	18.21	18.18	19.50
		36	0	18.16	18.07	17.85	19.50
		36	18	18.21	18.1	17.78	19.50
		36	39	18.16	18.21	17.71	19.50
		75	0	18.09	18.2	17.72	19.50
	64QAM	1	0	18.20	18.19	18.06	19.50
		1	38	17.63	18.19	18.18	19.50
		1	74	18.16	18.16	17.71	19.50
		36	0	17.31	17.11	16.95	18.50
		36	18	17.12	17.17	16.80	18.50
		36	39	17.13	17.04	16.80	18.50

		75	0	17.19	17.13	16.73	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44690	45090	45490	
20MHz	QPSK	1	0	18.14	18.37	17.91	19.50
		1	50	18.05	18.22	17.79	19.50
		1	99	18.09	18.01	17.81	19.50
		50	0	18.22	18.35	17.8	19.50
		50	25	18.12	18.08	17.82	19.50
		50	50	18.23	18.22	17.81	19.50
		100	0	18.12	18.21	17.94	19.50
	16QAM	1	0	18.17	18.28	17.93	19.50
		1	50	18.26	18.02	18.11	19.50
		1	99	18.18	17.87	18.05	19.50
		50	0	18.22	18.05	17.8	19.50
		50	25	18.23	18.27	17.81	19.50
		50	50	18.23	18.15	17.75	19.50
		100	0	18.18	18.26	17.76	19.50
	64QAM	1	0	18.00	17.99	18.22	19.50
		1	50	18.07	17.76	17.56	19.50
		1	99	18.01	18.09	17.90	19.50
		50	0	17.01	17.27	16.91	18.50
		50	25	17.12	17.27	16.79	18.50
		50	50	17.09	17.12	16.83	18.50
		100	0	17.18	17.09	16.76	18.50

LTE Band 43d Ant0 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44115	44215	44315	
5MHz	QPSK	1	0	18.78	18.96	18.87	19.50
		1	13	18.81	18.48	18.76	19.50
		1	24	18.66	18.67	18.76	19.50
		12	0	18.79	18.74	18.78	19.50
		12	6	18.75	18.8	18.61	19.50
		12	13	18.68	18.63	18.65	19.50
		25	0	18.67	18.75	18.89	19.50
	16QAM	1	0	18.47	18.39	18.74	19.50
		1	13	18.9	18.58	18.77	19.50
		1	24	18.81	18.43	18.75	19.50
		12	0	18.58	18.36	18.74	19.50
		12	6	18.76	18.68	18.74	19.50

		12	13	18.73	18.37	18.52	19.50
		25	0	18.65	18.49	18.67	19.50
	64QAM	1	0	18.68	18.60	18.51	19.50
		1	13	18.85	18.75	18.71	19.50
		1	24	18.66	18.63	18.66	19.50
		12	0	18.07	18.02	18.03	18.50
		12	6	18.20	18.10	18.13	18.50
		12	13	18.02	17.87	18.03	18.50
		25	0	17.97	17.80	18.03	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44140	44215	44290	
10MHz	QPSK	1	0	18.79	18.8	18.89	19.50
		1	25	18.83	18.51	18.76	19.50
		1	49	18.71	18.6	18.7	19.50
		25	0	18.72	18.78	18.79	19.50
		25	13	18.58	18.8	18.7	19.50
		25	25	18.77	18.63	18.75	19.50
		50	0	18.83	18.75	18.71	19.50
	16QAM	1	0	18.51	18.44	18.67	19.50
		1	25	18.84	18.5	18.68	19.50
		1	49	18.81	18.4	18.74	19.50
		25	0	18.69	18.43	18.76	19.50
		25	13	18.66	18.78	18.66	19.50
		25	25	18.66	18.51	18.62	19.50
		50	0	18.62	18.43	18.53	19.50
	64QAM	1	0	18.71	18.65	18.51	19.50
		1	25	18.76	18.77	18.62	19.50
		1	49	18.70	18.59	18.72	19.50
		25	0	18.05	18.09	18.09	18.50
		25	13	18.16	18.05	18.24	18.50
		25	25	18.02	18.03	17.90	18.50
		50	0	17.93	17.87	18.07	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44165	44215	44265	
15MHz	QPSK	1	0	18.85	18.95	18.77	19.50
		1	38	18.73	18.55	18.69	19.50
		1	74	18.82	18.72	18.62	19.50
		36	0	18.75	18.77	18.82	19.50
		36	18	18.61	18.77	18.62	19.50
		36	39	18.79	18.62	18.79	19.50
		75	0	18.79	18.8	18.7	19.50
	16QAM	1	0	18.53	18.47	18.6	19.50

		1	38	18.79	18.58	18.64	19.50
		1	74	18.73	18.44	18.77	19.50
		36	0	18.72	18.4	18.7	19.50
		36	18	18.77	18.78	18.82	19.50
		36	39	18.69	18.47	18.65	19.50
		75	0	18.53	18.48	18.57	19.50
	64QAM	1	0	18.65	18.59	18.64	19.50
		1	38	18.81	18.71	18.59	19.50
		1	74	18.61	18.68	18.61	19.50
		36	0	18.16	18.12	18.20	18.50
		36	18	18.03	17.97	18.14	18.50
		36	39	18.01	17.88	18.04	18.50
		75	0	17.99	17.89	18.04	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				44190	44215	44240	
20MHz	QPSK	1	0	18.95	18.97	18.93	19.50
		1	50	18.91	18.64	18.78	19.50
		1	99	18.85	18.76	18.79	19.50
		50	0	18.85	18.95	18.92	19.50
		50	25	18.77	18.82	18.72	19.50
		50	50	18.84	18.75	18.84	19.50
		100	0	18.84	18.91	18.9	19.50
	16QAM	1	0	18.63	18.52	18.79	19.50
		1	50	18.93	18.7	18.82	19.50
		1	99	18.89	18.58	18.88	19.50
		50	0	18.78	18.56	18.81	19.50
		50	25	18.86	18.86	18.84	19.50
		50	50	18.84	18.52	18.69	19.50
		100	0	18.74	18.61	18.68	19.50
	64QAM	1	0	18.84	18.72	18.72	19.50
		1	50	18.88	18.91	18.80	19.50
		1	99	18.72	18.78	18.82	19.50
		50	0	18.17	18.20	18.23	18.50
		50	25	18.22	18.11	18.28	18.50
		50	50	18.11	18.06	18.06	18.50
		100	0	18.12	17.98	18.13	18.50

LTE Band 48 Ant2 Full Power				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55265	55810	56170	56715	

5MHz	QPSK	1	0	20.01	21.23	21.04	21.06	21.50
		1	13	20.00	21.18	21.05	21.12	21.50
		1	24	20.08	21.22	21.16	21.08	21.50
		12	0	19.23	20.31	20.21	20.25	20.50
		12	6	19.14	20.33	20.21	20.23	20.50
		12	13	19.15	20.25	20.23	20.14	20.50
		25	0	19.18	20.23	19.99	20.19	20.50
	16QAM	1	0	19.15	20.25	20.26	20.08	20.50
		1	13	19.32	20.30	20.36	20.12	20.50
		1	24	19.22	20.35	20.18	20.23	20.50
		12	0	18.12	19.24	19.03	19.17	19.50
		12	6	18.21	19.30	19.22	19.20	19.50
		12	13	18.12	19.28	19.03	19.15	19.50
		25	0	18.20	19.22	19.21	19.19	19.50
	64QAM	1	0	18.28	19.22	19.26	18.89	19.50
		1	13	18.56	19.33	19.17	19.32	19.50
		1	24	18.11	19.50	19.34	19.28	19.50
		12	0	17.69	18.22	18.21	18.17	18.50
		12	6	17.68	18.28	18.19	18.26	18.50
		12	13	17.66	18.33	18.16	18.22	18.50
		25	0	17.66	18.20	18.20	18.14	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55290	55815	56165	56690	
10MHz	QPSK	1	0	20.19	21.21	21.08	21.03	21.50
		1	25	19.82	21.12	20.88	21.04	21.50
		1	49	20.13	21.19	21.01	21.12	21.50
		25	0	19.20	20.16	20.17	20.09	20.50
		25	13	19.27	20.10	20.11	20.14	20.50
		25	25	19.23	20.19	20.10	20.22	20.50
		50	0	19.21	20.25	20.12	20.13	20.50
	16QAM	1	0	19.17	20.22	20.04	19.98	20.50
		1	25	19.25	20.17	20.12	20.23	20.50
		1	49	19.17	20.16	20.22	20.00	20.50
		25	0	18.18	19.29	19.12	19.19	19.50
		25	13	18.28	19.24	19.30	19.17	19.50
		25	25	18.22	19.30	19.21	19.22	19.50
		50	0	18.25	19.23	19.24	19.16	19.50
	64QAM	1	0	18.98	19.40	19.46	19.18	19.50
		1	25	18.69	19.06	18.92	19.18	19.50
		1	49	18.83	19.37	19.30	19.39	19.50
		25	0	18.15	18.11	18.11	18.02	18.50
		25	13	18.24	18.21	18.15	18.21	18.50

		25	25	18.23	18.26	18.16	18.23	18.50
		50	0	18.17	18.16	18.06	18.14	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55315	55820	56160	56665	
15MHz	QPSK	1	0	19.79	21.22	20.72	20.90	21.50
		1	38	19.69	21.04	20.88	20.93	21.50
		1	74	19.83	21.16	20.85	20.98	21.50
		36	0	19.01	20.03	19.88	20.17	20.50
		36	18	19.01	20.26	20.11	20.25	20.50
		36	39	19.13	20.18	20.10	20.25	20.50
		75	0	19.07	20.15	19.99	20.16	20.50
	16QAM	1	0	19.06	20.15	20.01	20.09	20.50
		1	38	19.09	20.20	19.92	20.19	20.50
		1	74	19.18	20.21	20.10	20.09	20.50
		36	0	18.03	19.10	19.03	19.07	19.50
		36	18	18.09	19.17	19.05	19.07	19.50
		36	39	18.11	19.29	19.12	19.15	19.50
		75	0	18.13	19.32	19.02	19.19	19.50
	64QAM	1	0	18.36	19.20	19.44	19.12	19.50
		1	38	18.37	19.14	19.33	19.24	19.50
		1	74	18.47	19.21	19.41	19.29	19.50
		36	0	18.03	18.13	17.90	18.19	18.50
		36	18	18.13	18.18	18.16	18.19	18.50
		36	39	18.15	18.38	18.14	18.33	18.50
		75	0	18.14	18.25	18.10	18.28	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55340	55830	56150	56640	
20MHz	QPSK	1	0	20.21	21.25	21.09	21.02	21.50
		1	50	20.16	21.18	21.08	21.13	21.50
		1	99	20.13	21.17	21.09	21.05	21.50
		50	0	19.73	20.09	19.53	20.07	20.50
		50	25	19.69	20.03	20.10	20.04	20.50
		50	50	19.66	20.04	20.35	20.03	20.50
		100	0	19.32	20.11	20.15	20.09	20.50
	16QAM	1	0	19.18	20.13	19.96	20.17	20.50
		1	50	19.28	20.21	20.23	20.16	20.50
		1	99	19.37	20.19	20.36	19.86	20.50
		50	0	18.19	19.11	19.14	19.14	19.50
		50	25	18.35	19.29	19.17	19.16	19.50
		50	50	18.37	19.19	19.27	19.12	19.50
		100	0	18.32	19.24	19.15	19.29	19.50
	64QAM	1	0	18.74	19.26	19.42	19.49	19.50

		1	50	18.74	19.20	19.14	19.13	19.50
		1	99	18.70	19.20	19.16	19.11	19.50
		50	0	18.21	18.21	18.15	18.20	18.50
		50	25	18.08	18.10	18.13	18.03	18.50
		50	50	18.19	18.15	18.19	18.11	18.50
		100	0	18.20	18.15	18.15	18.04	18.50

LTE Band 48 Ant2 Receiver on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55265	55810	56170	56715	
5MHz	QPSK	1	0	18.60	19.26	19.22	19.09	20.00
		1	13	18.30	19.06	18.93	18.81	20.00
		1	24	18.32	18.72	19.13	19.16	20.00
		12	0	18.97	19.01	18.47	19.11	20.00
		12	6	19.01	18.94	18.98	19.01	20.00
		12	13	18.97	19.07	19.03	19.02	20.00
		25	0	18.58	18.95	19.19	19.06	20.00
	16QAM	1	0	18.51	19.05	19.01	18.90	20.00
		1	13	18.60	19.16	19.09	19.13	20.00
		1	24	18.67	19.21	19.15	19.16	20.00
		12	0	17.89	18.82	18.81	18.86	19.50
		12	6	18.14	18.94	18.90	18.92	19.50
		12	13	18.14	18.84	18.97	18.91	19.50
		25	0	18.11	19.03	18.79	19.05	19.50
	64QAM	1	0	18.43	18.90	19.06	18.71	19.50
		1	13	18.47	19.06	18.95	18.96	19.50
		1	24	18.41	18.83	18.96	18.76	19.50
		12	0	18.01	18.00	17.77	18.11	18.50
		12	6	17.86	17.80	17.89	17.83	18.50
		12	13	17.98	17.94	17.86	17.83	18.50
		25	0	18.10	17.97	17.96	17.73	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55290	55815	56165	56690	
10MHz	QPSK	1	0	18.51	19.20	19.18	19.07	20.00
		1	25	18.36	19.11	19.02	18.95	20.00
		1	49	18.31	18.92	19.06	19.11	20.00
		25	0	18.91	19.12	18.40	18.96	20.00
		25	13	18.89	18.99	19.13	19.06	20.00
		25	25	19.08	19.14	19.05	18.99	20.00
		50	0	18.59	19.07	19.00	19.10	20.00

	16QAM	1	0	18.58	19.01	18.98	18.97	20.00
		1	25	18.51	19.11	18.90	19.05	20.00
		1	49	18.79	19.17	19.16	19.05	20.00
		25	0	17.97	18.84	18.79	18.90	19.50
		25	13	18.16	19.09	18.78	18.81	19.50
		25	25	18.20	18.89	19.03	19.03	19.50
		50	0	17.95	18.96	18.98	19.08	19.50
	64QAM	1	0	18.44	19.03	19.16	18.69	19.50
		1	25	18.52	19.05	18.83	18.88	19.50
		1	49	18.38	18.87	19.00	18.81	19.50
		25	0	17.88	17.94	17.87	18.08	18.50
		25	13	18.01	17.79	18.01	17.86	18.50
		25	25	17.87	17.99	17.79	17.89	18.50
		50	0	18.17	17.93	17.91	17.73	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55315	55820	56160	56665	
15MHz	QPSK	1	0	18.21	19.19	19.08	19.07	20.00
		1	38	18.09	19.02	19.08	18.91	20.00
		1	74	18.03	19.01	18.96	19.05	20.00
		36	0	18.69	19.14	18.44	19.06	20.00
		36	18	18.73	19.08	19.02	19.13	20.00
		36	39	18.70	19.09	19.02	19.09	20.00
		75	0	18.17	19.08	18.91	18.94	20.00
	16QAM	1	0	18.26	19.11	19.04	18.90	20.00
		1	38	18.13	18.92	19.10	19.11	20.00
		1	74	18.11	19.02	19.07	18.77	20.00
		36	0	17.89	18.80	18.88	18.90	19.50
		36	18	18.15	18.96	18.83	18.86	19.50
		36	39	18.12	18.79	18.90	19.08	19.50
		75	0	17.94	18.87	18.86	19.11	19.50
	64QAM	1	0	18.48	18.95	18.60	19.16	19.50
		1	38	18.59	19.05	18.88	18.98	19.50
		1	74	18.36	18.92	18.88	18.78	19.50
		36	0	17.95	17.94	17.84	18.03	18.50
		36	18	17.90	17.81	17.87	17.79	18.50
		36	39	18.03	17.87	17.88	17.72	18.50
		75	0	18.16	17.93	17.89	17.81	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55340	55830	56150	56640	
20MHz	QPSK	1	0	18.39	19.30	19.27	19.11	20.00
		1	50	18.20	19.23	19.10	19.29	20.00
		1	99	18.21	19.06	19.15	19.22	20.00

		50	0	18.73	19.22	18.53	19.16	20.00
		50	25	18.74	19.10	19.14	19.16	20.00
		50	50	18.85	19.20	19.12	19.13	20.00
		100	0	18.33	19.11	19.02	19.12	20.00
	16QAM	1	0	18.35	19.13	19.11	19.04	20.00
		1	50	18.34	18.97	19.00	18.90	20.00
		1	99	18.54	19.06	19.19	18.61	20.00
		50	0	18.00	18.94	18.96	18.99	19.50
		50	25	18.23	19.13	18.97	18.95	19.50
		50	50	18.29	18.98	19.09	19.10	19.50
		100	0	18.13	19.05	19.00	19.20	19.50
		1	0	18.58	19.07	19.22	19.05	19.50
	64QAM	1	50	18.65	19.08	19.00	19.07	19.50
		1	99	18.49	18.99	19.05	18.94	19.50
		50	0	18.05	18.07	17.95	18.14	18.50
		50	25	18.06	17.99	18.06	17.90	18.50
		50	50	18.06	18.05	17.99	17.91	18.50
		100	0	18.18	17.99	18.05	17.92	18.50

LTE Band 48 Ant2 Hotspot on				Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55265	55810	56170	56715	
5MHz	QPSK	1	0	17.77	18.95	18.75	18.72	19.50
		1	13	17.77	18.82	18.77	18.62	19.50
		1	24	17.79	18.73	18.58	18.59	19.50
		12	0	18.31	18.70	18.74	18.69	19.50
		12	6	18.18	18.69	18.59	18.57	19.50
		12	13	18.27	18.56	18.58	18.63	19.50
		25	0	17.98	18.74	18.48	18.63	19.50
	16QAM	1	0	17.86	18.61	18.62	18.89	19.50
		1	13	17.74	18.68	18.82	18.66	19.50
		1	24	18.00	18.42	18.28	18.39	19.50
		12	0	17.68	18.69	18.70	18.83	19.50
		12	6	17.84	18.48	18.75	18.74	19.50
		12	13	18.14	18.58	18.79	18.66	19.50
		25	0	17.94	18.66	18.73	18.80	19.50
	64QAM	1	0	18.04	18.67	18.59	18.74	19.50
		1	13	17.99	18.57	18.34	18.39	19.50
		1	24	18.00	18.49	18.59	18.57	19.50
		12	0	18.06	18.03	17.96	17.93	18.50

		12	6	17.90	17.99	17.87	17.74	18.50
		12	13	17.93	18.02	18.14	17.90	18.50
		25	0	18.03	17.94	17.94	17.95	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55290	55815	56165	56690	
10MHz	QPSK	1	0	17.92	18.96	18.75	18.58	19.50
		1	25	17.75	18.68	18.69	18.65	19.50
		1	49	17.81	18.78	18.62	18.60	19.50
		25	0	18.40	18.70	18.76	18.61	19.50
		25	13	18.24	18.71	18.72	18.64	19.50
		25	25	18.22	18.68	18.53	18.60	19.50
		50	0	18.06	18.71	18.47	18.49	19.50
	16QAM	1	0	17.81	18.76	18.47	18.81	19.50
		1	25	17.78	18.69	18.84	18.66	19.50
		1	49	17.95	18.39	18.20	18.30	19.50
		25	0	17.76	18.78	18.72	18.69	19.50
		25	13	17.88	18.62	18.89	18.86	19.50
		25	25	18.00	18.57	18.85	18.67	19.50
		50	0	18.00	18.54	18.80	18.81	19.50
	64QAM	1	0	18.13	18.60	18.63	18.74	19.50
		1	25	18.02	18.50	18.40	18.41	19.50
		1	49	18.03	18.57	18.46	18.57	19.50
		25	0	18.10	18.05	18.01	18.09	18.50
		25	13	17.94	17.90	17.85	17.71	18.50
		25	25	18.00	18.04	18.12	17.91	18.50
		50	0	17.99	17.80	17.86	17.96	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55315	55820	56160	56665	
15MHz	QPSK	1	0	17.82	18.94	18.82	18.68	19.50
		1	38	17.71	18.70	18.70	18.62	19.50
		1	74	17.86	18.71	18.61	18.45	19.50
		36	0	18.44	18.70	18.70	18.60	19.50
		36	18	18.16	18.74	18.57	18.53	19.50
		36	39	18.18	18.68	18.63	18.57	19.50
		75	0	18.05	18.63	18.62	18.49	19.50
	16QAM	1	0	17.79	18.63	18.53	18.83	19.50
		1	38	17.81	18.70	18.93	18.77	19.50
		1	74	17.87	18.31	18.32	18.35	19.50
		36	0	17.82	18.64	18.74	18.71	19.50
		36	18	17.95	18.58	18.84	18.83	19.50
		36	39	18.02	18.68	18.85	18.78	19.50
		75	0	17.81	18.71	18.71	18.77	19.50

	64QAM	1	0	18.02	18.50	18.63	18.78	19.50
		1	38	17.97	18.52	18.35	18.42	19.50
		1	74	17.90	18.40	18.44	18.44	19.50
		36	0	18.19	17.88	17.87	17.93	18.50
		36	18	17.90	17.95	17.93	17.85	18.50
		36	39	17.87	18.05	18.15	17.85	18.50
		75	0	18.03	17.94	17.87	17.97	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Tune up
				55340	55830	56150	56640	
20MHz	QPSK	1	0	17.94	18.97	18.86	18.73	19.50
		1	50	17.83	18.87	18.83	18.67	19.50
		1	99	17.93	18.79	18.73	18.64	19.50
		50	0	18.49	18.85	18.79	18.72	19.50
		50	25	18.35	18.80	18.75	18.71	19.50
		50	50	18.34	18.69	18.66	18.64	19.50
		100	0	18.10	18.74	18.64	18.67	19.50
	16QAM	1	0	17.89	18.78	18.66	18.96	19.50
		1	50	17.88	18.85	18.93	18.78	19.50
		1	99	18.06	18.50	18.38	18.50	19.50
		50	0	17.84	18.82	18.75	18.87	19.50
		50	25	17.95	18.65	18.92	18.91	19.50
		50	50	18.16	18.74	18.95	18.85	19.50
		100	0	18.01	18.72	18.87	18.90	19.50
	64QAM	1	0	18.15	18.68	18.70	18.80	19.50
		1	50	18.13	18.69	18.53	18.55	19.50
		1	99	18.06	18.59	18.64	18.58	19.50
		50	0	18.20	18.07	18.03	18.11	18.50
		50	25	18.05	18.09	17.97	17.88	18.50
		50	50	18.07	18.06	18.19	17.93	18.50
		100	0	18.05	17.98	18.01	18.01	18.50

LTE Band 66 Ant0 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.01	22.98	22.83	24.00
		1	2	23.11	23.06	22.93	24.00
		1	5	22.99	22.97	22.81	24.00
		3	0	23.05	22.88	22.77	24.00
		3	1	23.09	22.91	22.89	24.00
		3	3	22.98	22.87	22.74	24.00

	16QAM	6	0	22.15	21.95	21.88	23.00
		1	0	22.27	21.86	21.82	23.00
		1	2	22.36	21.94	21.96	23.00
		1	5	22.27	21.90	21.83	23.00
		3	0	22.21	21.89	22.04	23.00
		3	1	22.32	22.00	22.06	23.00
		3	3	22.29	21.93	22.04	23.00
		6	0	21.10	21.03	20.93	22.00
	64QAM	1	0	20.85	20.82	20.79	22.00
		1	2	21.02	20.96	20.87	22.00
		1	5	20.92	20.80	20.73	22.00
		3	0	20.95	20.68	20.77	22.00
		3	1	20.95	20.76	20.88	22.00
		3	3	20.93	20.76	20.72	22.00
		6	0	19.99	19.84	19.74	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	23.14	23.02	22.82	24.00
		1	7	23.09	22.92	22.89	24.00
		1	14	23.08	23.02	22.81	24.00
		8	0	22.25	22.07	21.99	23.00
		8	4	22.22	22.09	22.01	23.00
		8	7	22.18	22.08	21.95	23.00
		15	0	22.23	22.05	21.95	23.00
	16QAM	1	0	22.28	21.92	22.23	23.00
		1	7	22.29	21.98	22.12	23.00
		1	14	22.24	21.94	22.22	23.00
		8	0	21.30	21.07	21.00	22.00
		8	4	21.29	21.12	21.01	22.00
		8	7	21.26	21.06	20.95	22.00
		15	0	21.08	21.07	20.97	22.00
	64QAM	1	0	20.98	20.91	20.66	22.00
		1	7	20.95	20.82	20.70	22.00
		1	14	20.98	21.00	20.71	22.00
		8	0	20.23	20.05	19.95	21.00
		8	4	20.15	20.01	19.94	21.00
		8	7	20.12	20.04	19.87	21.00
		15	0	20.07	20.04	19.76	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.19	23.06	22.89	24.00
		1	13	23.20	23.07	22.88	24.00

		1	24	23.15	22.95	22.86	24.00
		12	0	22.25	22.10	21.97	23.00
		12	6	22.27	22.12	21.96	23.00
		12	13	22.26	22.06	21.93	23.00
		25	0	22.23	22.09	21.96	23.00
	16QAM	1	0	22.50	22.19	22.24	23.00
		1	13	22.52	22.26	22.33	23.00
		1	24	22.40	22.13	22.20	23.00
		12	0	21.23	21.04	20.99	22.00
		12	6	21.26	21.06	21.00	22.00
		12	13	21.21	21.02	20.99	22.00
		25	0	21.24	21.05	21.03	22.00
	64QAM	1	0	21.17	21.03	20.87	22.00
		1	13	21.14	21.00	20.81	22.00
		1	24	21.04	20.88	20.79	22.00
		12	0	20.19	20.05	19.77	21.00
		12	6	20.09	20.00	19.78	21.00
		12	13	20.23	19.90	19.75	21.00
		25	0	20.08	19.92	19.79	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.18	23.03	22.83	24.00
		1	25	23.14	23.01	22.85	24.00
		1	49	23.06	22.92	22.81	24.00
		25	0	22.26	22.12	21.92	23.00
		25	13	22.29	22.13	21.93	23.00
		25	25	22.21	22.05	21.98	23.00
		50	0	22.22	22.11	21.89	23.00
	16QAM	1	0	22.50	22.37	22.06	23.00
		1	25	22.41	22.30	22.02	23.00
		1	49	22.38	22.25	21.95	23.00
		25	0	21.35	21.18	20.95	22.00
		25	13	21.30	21.20	20.91	22.00
		25	25	21.24	21.11	20.99	22.00
		50	0	21.24	21.10	20.89	22.00
	64QAM	1	0	21.02	20.88	20.74	22.00
		1	25	21.01	20.85	20.77	22.00
		1	49	21.00	20.78	20.76	22.00
		25	0	20.17	19.99	19.88	21.00
		25	13	20.10	20.05	19.87	21.00
		25	25	20.20	19.89	19.83	21.00
		50	0	20.11	19.96	19.79	21.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.04	22.93	22.86	24.00
		1	38	23.00	22.88	22.79	24.00
		1	74	22.96	22.77	22.78	24.00
		36	0	22.14	21.92	21.78	23.00
		36	18	22.12	21.97	21.77	23.00
		36	39	22.06	21.93	21.82	23.00
		75	0	22.08	21.94	21.80	23.00
	16QAM	1	0	22.35	22.19	21.98	23.00
		1	38	22.27	22.13	21.91	23.00
		1	74	22.18	22.12	21.87	23.00
		36	0	21.16	20.90	20.80	22.00
		36	18	21.12	20.99	20.78	22.00
		36	39	21.08	20.93	20.83	22.00
		75	0	21.11	20.96	20.79	22.00
	64QAM	1	0	20.93	20.74	20.68	22.00
		1	38	20.91	20.75	20.59	22.00
		1	74	20.93	20.69	20.65	22.00
		36	0	20.01	19.90	19.67	21.00
		36	18	20.03	19.81	19.75	21.00
		36	39	19.93	19.76	19.75	21.00
		75	0	20.00	19.89	19.79	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.29	23.37	23.31	24.00
		1	50	22.98	22.98	22.76	24.00
		1	99	22.93	22.90	22.77	24.00
		50	0	22.19	22.27	22.22	23.00
		50	25	22.08	21.97	21.85	23.00
		50	50	22.04	21.95	21.83	23.00
		100	0	22.08	22.16	21.77	23.00
	16QAM	1	0	22.28	21.93	21.84	23.00
		1	50	22.19	21.87	21.72	23.00
		1	99	22.09	21.74	21.68	23.00
		50	0	21.11	20.86	20.86	22.00
		50	25	21.09	20.95	20.95	22.00
		50	50	21.04	20.90	20.88	22.00
		100	0	21.06	20.97	20.87	22.00
	64QAM	1	0	21.06	21.07	20.82	22.00
		1	50	20.95	20.84	20.60	22.00
		1	99	20.74	20.88	20.61	22.00
		50	0	20.00	19.96	19.64	21.00
		50	25	20.07	19.96	19.75	21.00
		50	50	19.86	19.84	19.80	21.00
		100	0	19.93	19.88	19.63	21.00

LTE Band 66 Ant0 Receiver on

Conducted Power(dBm)

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	15.79	16.14	15.93	17.50
		1	2	15.90	15.96	16.00	17.50
		1	5	15.84	16.05	15.89	17.50
		3	0	15.92	15.98	16.00	17.50
		3	1	15.75	16.03	15.92	17.50
		3	3	15.90	15.96	16.00	17.50
		6	0	15.76	16.06	15.98	17.50
	16QAM	1	0	15.76	16.11	15.93	17.50
		1	2	15.88	16.06	15.89	17.50
		1	5	15.81	16.06	15.91	17.50
		3	0	15.80	16.09	15.93	17.50
		3	1	15.74	16.11	15.95	17.50
		3	3	15.72	16.13	15.93	17.50
		6	0	15.72	16.03	15.98	17.50
	64QAM	1	0	15.88	15.99	15.98	17.50
		1	2	15.86	16.13	16.02	17.50
		1	5	15.87	16.02	15.91	17.50
		3	0	15.85	15.99	15.95	17.50
		3	1	15.91	16.12	15.96	17.50
		3	3	15.75	16.13	15.89	17.50
		6	0	15.85	16.01	16.03	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	15.74	16.15	15.88	17.50
		1	7	15.91	15.99	15.98	17.50
		1	14	15.88	16.08	15.90	17.50
		8	0	15.87	16.10	16.00	17.50
		8	4	15.76	16.07	15.96	17.50
		8	7	15.85	16.14	16.01	17.50
		15	0	15.85	16.09	16.05	17.50
	16QAM	1	0	15.86	16.03	16.05	17.50
		1	7	15.91	16.14	15.96	17.50
		1	14	15.75	16.03	15.88	17.50
		8	0	15.74	16.04	15.96	17.50
		8	4	15.77	16.01	16.07	17.50
		8	7	15.86	16.13	16.04	17.50
		15	0	15.91	16.14	15.87	17.50
	64QAM	1	0	15.80	16.03	16.03	17.50
		1	7	15.78	16.02	15.89	17.50
		1	14	15.80	16.07	15.89	17.50

		8	0	15.86	16.04	15.94	17.50
		8	4	15.76	16.04	16.00	17.50
		8	7	15.86	16.14	16.07	17.50
		15	0	15.74	16.11	15.98	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	15.88	16.15	15.99	17.50
		1	13	15.77	16.12	15.95	17.50
		1	24	15.81	15.98	15.93	17.50
		12	0	15.75	16.08	15.96	17.50
		12	6	15.86	16.02	16.03	17.50
		12	13	15.75	16.00	15.92	17.50
		25	0	15.83	16.09	15.95	17.50
	16QAM	1	0	15.79	15.98	15.89	17.50
		1	13	15.91	16.10	15.92	17.50
		1	24	15.80	16.00	15.96	17.50
		12	0	15.86	16.11	15.88	17.50
		12	6	15.85	16.03	16.00	17.50
		12	13	15.77	16.00	16.04	17.50
		25	0	15.81	16.02	15.92	17.50
	64QAM	1	0	15.84	16.10	15.97	17.50
		1	13	15.75	16.01	15.95	17.50
		1	24	15.86	16.04	16.04	17.50
		12	0	15.84	16.14	15.89	17.50
		12	6	15.90	16.02	15.93	17.50
		12	13	15.82	16.01	15.98	17.50
		25	0	15.75	16.09	15.87	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	15.90	16.16	15.87	17.50
		1	25	15.74	16.14	16.06	17.50
		1	49	15.73	16.03	15.87	17.50
		25	0	15.78	16.02	16.00	17.50
		25	13	15.79	16.10	15.99	17.50
		25	25	15.78	16.13	15.90	17.50
		50	0	15.77	16.08	15.95	17.50
	16QAM	1	0	15.88	16.15	16.01	17.50
		1	25	15.80	16.14	16.07	17.50
		1	49	15.74	16.06	16.06	17.50
		25	0	15.82	16.06	15.89	17.50
		25	13	15.80	16.08	15.96	17.50
		25	25	15.89	16.04	16.04	17.50

	64QAM	50	0	15.77	16.05	15.92	17.50
		1	0	15.83	15.99	15.92	17.50
		1	25	15.91	16.14	16.06	17.50
		1	49	15.90	16.06	15.98	17.50
		25	0	15.73	16.10	16.00	17.50
		25	13	15.83	16.16	15.92	17.50
		25	25	15.89	16.12	15.91	17.50
		50	0	15.73	15.97	15.94	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	15.84	16.12	15.96	17.50
		1	38	15.89	16.10	15.88	17.50
		1	74	15.88	16.11	15.88	17.50
		36	0	15.86	16.09	16.02	17.50
		36	18	15.85	16.10	16.01	17.50
		36	39	15.87	16.07	15.99	17.50
		75	0	15.73	16.09	15.94	17.50
	16QAM	1	0	15.84	16.10	16.02	17.50
		1	38	15.86	16.11	15.93	17.50
		1	74	15.75	15.96	15.88	17.50
		36	0	15.92	15.97	15.89	17.50
		36	18	15.92	16.03	15.92	17.50
		36	39	15.78	15.99	16.06	17.50
		75	0	15.85	15.97	15.92	17.50
	64QAM	1	0	15.88	16.11	15.97	17.50
		1	38	15.83	16.10	16.06	17.50
		1	74	15.72	15.97	15.93	17.50
		36	0	15.77	16.05	15.97	17.50
		36	18	15.82	16.11	16.05	17.50
		36	39	15.82	16.10	15.92	17.50
		75	0	15.84	16.00	15.98	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	15.93	16.17	16.08	17.50
		1	50	15.75	15.99	15.97	17.50
		1	99	15.74	16.05	16.03	17.50
		50	0	15.88	16.11	16.05	17.50
		50	25	15.83	16.07	15.98	17.50
		50	50	15.85	16.09	15.98	17.50
		100	0	15.81	16.08	15.94	17.50
	16QAM	1	0	15.83	15.99	15.99	17.50
		1	50	15.74	16.10	15.92	17.50
		1	99	15.90	16.02	16.01	17.50
		50	0	15.73	16.00	15.89	17.50
		50	25	15.84	15.96	15.97	17.50
		50	50	15.81	16.12	15.99	17.50
		100	0	15.85	16.12	16.00	17.50
	64QAM	1	0	15.87	16.00	16.04	17.50
		1	50	15.85	16.06	15.89	17.50

		1	99	15.88	16.01	15.94	17.50
		50	0	15.79	16.01	15.90	17.50
		50	25	15.74	16.07	15.92	17.50
		50	50	15.85	16.16	16.06	17.50
		100	0	15.85	16.09	16.00	17.50

LTE Band 66 Ant0 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	17.29	17.40	17.35	18.50
		1	2	17.26	17.36	17.35	18.50
		1	5	17.13	17.25	17.19	18.50
		3	0	17.17	17.34	17.18	18.50
		3	1	17.29	17.27	17.20	18.50
		3	3	17.13	17.26	17.31	18.50
		6	0	17.24	17.29	17.31	18.50
	16QAM	1	0	17.14	17.39	17.34	18.50
		1	2	17.16	17.30	17.20	18.50
		1	5	17.27	17.26	17.29	18.50
		3	0	17.22	17.26	17.17	18.50
		3	1	17.26	17.34	17.27	18.50
		3	3	17.25	17.25	17.28	18.50
		6	0	17.19	17.24	17.18	18.50
	64QAM	1	0	17.21	17.21	17.34	18.50
		1	2	17.13	17.38	17.20	18.50
		1	5	17.22	17.27	17.16	18.50
		3	0	17.24	17.21	17.27	18.50
		3	1	17.14	17.36	17.31	18.50
		3	3	17.31	17.31	17.29	18.50
		6	0	17.23	17.24	17.18	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	17.22	17.39	17.34	18.50
		1	7	17.18	17.37	17.27	18.50
		1	14	17.25	17.25	17.20	18.50
		8	0	17.27	17.29	17.17	18.50
		8	4	17.14	17.24	17.16	18.50
		8	7	17.31	17.29	17.35	18.50
		15	0	17.14	17.21	17.26	18.50
	16QAM	1	0	17.25	17.27	17.33	18.50
		1	7	17.20	17.25	17.27	18.50

		1	14	17.23	17.32	17.29	18.50
		8	0	17.23	17.23	17.32	18.50
		8	4	17.15	17.32	17.33	18.50
		8	7	17.21	17.33	17.35	18.50
		15	0	17.25	17.29	17.21	18.50
	64QAM	1	0	17.22	17.37	17.30	18.50
		1	7	17.15	17.26	17.27	18.50
		1	14	17.18	17.37	17.34	18.50
		8	0	17.14	17.23	17.34	18.50
		8	4	17.20	17.28	17.29	18.50
		8	7	17.20	17.29	17.31	18.50
		15	0	17.13	17.22	17.35	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	17.13	17.39	17.21	18.50
		1	13	17.30	17.38	17.18	18.50
		1	24	17.29	17.32	17.33	18.50
		12	0	17.19	17.32	17.25	18.50
		12	6	17.29	17.31	17.36	18.50
		12	13	17.16	17.34	17.21	18.50
		25	0	17.17	17.23	17.24	18.50
	16QAM	1	0	17.25	17.32	17.23	18.50
		1	13	17.30	17.21	17.27	18.50
		1	24	17.20	17.31	17.23	18.50
		12	0	17.17	17.37	17.17	18.50
		12	6	17.20	17.38	17.35	18.50
		12	13	17.14	17.28	17.29	18.50
		25	0	17.16	17.23	17.35	18.50
	64QAM	1	0	17.26	17.26	17.20	18.50
		1	13	17.31	17.25	17.25	18.50
		1	24	17.14	17.28	17.21	18.50
		12	0	17.25	17.22	17.36	18.50
		12	6	17.13	17.32	17.26	18.50
		12	13	17.13	17.40	17.34	18.50
		25	0	17.13	17.39	17.28	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	17.13	17.38	17.35	18.50
		1	25	17.21	17.24	17.32	18.50
		1	49	17.16	17.21	17.26	18.50
		25	0	17.30	17.33	17.20	18.50
		25	13	17.28	17.30	17.31	18.50

		25	25	17.21	17.24	17.25	18.50
		50	0	17.26	17.25	17.32	18.50
	16QAM	1	0	17.23	17.31	17.35	18.50
		1	25	17.32	17.22	17.17	18.50
		1	49	17.26	17.25	17.35	18.50
		25	0	17.15	17.32	17.16	18.50
		25	13	17.20	17.32	17.28	18.50
		25	25	17.28	17.20	17.29	18.50
		50	0	17.27	17.36	17.35	18.50
	64QAM	1	0	17.24	17.33	17.23	18.50
		1	25	17.27	17.30	17.35	18.50
		1	49	17.20	17.27	17.35	18.50
		25	0	17.18	17.30	17.22	18.50
		25	13	17.17	17.29	17.23	18.50
		25	25	17.15	17.26	17.29	18.50
		50	0	17.30	17.24	17.19	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	17.21	17.38	17.19	18.50
		1	38	17.27	17.24	17.25	18.50
		1	74	17.30	17.37	17.32	18.50
		36	0	17.29	17.27	17.21	18.50
		36	18	17.16	17.21	17.27	18.50
		36	39	17.26	17.25	17.27	18.50
		75	0	17.18	17.29	17.24	18.50
	16QAM	1	0	17.24	17.34	17.31	18.50
		1	38	17.15	17.31	17.27	18.50
		1	74	17.18	17.33	17.32	18.50
		36	0	17.20	17.20	17.35	18.50
		36	18	17.20	17.28	17.22	18.50
		36	39	17.14	17.30	17.22	18.50
		75	0	17.29	17.28	17.19	18.50
	64QAM	1	0	17.22	17.28	17.34	18.50
		1	38	17.30	17.29	17.24	18.50
		1	74	17.29	17.40	17.25	18.50
		36	0	17.29	17.38	17.28	18.50
		36	18	17.21	17.40	17.21	18.50
		36	39	17.29	17.23	17.23	18.50
		75	0	17.29	17.31	17.26	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	17.33	17.41	17.37	18.50
		1	50	17.28	17.25	17.35	18.50
		1	99	17.15	17.28	17.18	18.50
		50	0	17.33	17.37	17.36	18.50
		50	25	17.24	17.20	17.34	18.50
		50	50	17.31	17.26	17.26	18.50

	16QAM	100	0	17.23	17.28	17.22	18.50
		1	0	17.16	17.32	17.36	18.50
		1	50	17.24	17.23	17.16	18.50
		1	99	17.12	17.30	17.24	18.50
		50	0	17.31	17.27	17.27	18.50
		50	25	17.19	17.35	17.18	18.50
		50	50	17.30	17.37	17.24	18.50
		100	0	17.18	17.25	17.17	18.50
	64QAM	1	0	17.15	17.23	17.17	18.50
		1	50	17.23	17.33	17.26	18.50
		1	99	17.24	17.34	17.32	18.50
		50	0	17.19	17.32	17.30	18.50
		50	25	17.24	17.24	17.25	18.50
		50	50	17.13	17.32	17.36	18.50
		100	0	17.32	17.35	17.28	18.50

LTE Band 66 Ant0 Sensor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	17.80	18.04	17.87	19.00
		1	2	17.89	17.99	17.87	19.00
		1	5	17.75	17.88	17.85	19.00
		3	0	17.70	18.01	17.68	19.00
		3	1	17.90	17.82	17.79	19.00
		3	3	17.70	17.90	17.84	19.00
		6	0	17.75	17.93	17.86	19.00
	16QAM	1	0	17.79	18.03	17.90	19.00
		1	2	17.76	17.83	17.89	19.00
		1	5	17.87	17.89	17.81	19.00
		3	0	17.72	17.95	17.72	19.00
		3	1	17.87	17.97	17.96	19.00
		3	3	17.79	17.88	17.83	19.00
		6	0	17.78	17.86	17.87	19.00
	64QAM	1	0	17.73	17.82	17.87	19.00
		1	2	17.73	17.88	17.80	19.00
		1	5	17.87	17.97	17.72	19.00
		3	0	17.88	17.75	17.95	19.00
		3	1	17.73	17.96	17.83	19.00
		3	3	17.91	17.91	17.89	19.00
		6	0	17.79	17.81	17.74	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	17.79	18.08	18.01	19.00
		1	7	17.76	17.97	17.84	19.00
		1	14	17.82	17.88	17.85	19.00
		8	0	17.82	17.88	17.67	19.00
		8	4	17.64	17.88	17.68	19.00
		8	7	17.98	17.79	17.96	19.00

		15	0	17.74	17.76	17.77	19.00
		1	0	17.89	17.87	18.01	19.00
		1	7	17.87	17.94	17.84	19.00
		1	14	17.88	18.01	17.93	19.00
		8	0	17.75	17.84	17.95	19.00
		8	4	17.74	17.83	17.98	19.00
		8	7	17.88	18.00	17.90	19.00
		15	0	17.86	17.91	17.90	19.00
		1	0	17.75	17.99	17.91	19.00
		1	7	17.76	17.87	17.88	19.00
		1	14	17.83	18.05	17.92	19.00
		8	0	17.64	17.80	18.03	19.00
		8	4	17.84	17.83	17.82	19.00
		8	7	17.71	17.98	17.82	19.00
		15	0	17.78	17.73	17.87	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	17.75	18.05	17.72	19.00
		1	13	17.82	17.94	17.68	19.00
		1	24	17.84	17.85	17.84	19.00
		12	0	17.74	17.90	17.79	19.00
		12	6	17.85	17.93	18.04	19.00
		12	13	17.79	17.92	17.81	19.00
		25	0	17.71	17.75	17.81	19.00
		1	0	17.77	17.91	17.79	19.00
	16QAM	1	13	17.94	17.79	17.90	19.00
		1	24	17.71	17.87	17.89	19.00
		12	0	17.83	17.93	17.81	19.00
		12	6	17.86	17.89	17.92	19.00
		12	13	17.73	17.97	17.82	19.00
		25	0	17.79	17.87	18.01	19.00
		1	0	17.80	17.95	17.87	19.00
		1	13	17.85	17.89	17.90	19.00
	64QAM	1	24	17.79	17.95	17.71	19.00
		12	0	17.80	17.74	17.97	19.00
		12	6	17.75	17.88	17.83	19.00
		12	13	17.67	17.90	17.96	19.00
		25	0	17.69	17.91	17.92	19.00
		1	0	17.66	18.04	17.95	19.00
		1	25	17.86	17.89	17.94	19.00
		1	49	17.69	17.77	17.91	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	25	0	17.91	17.92	17.80	19.00
		25	13	17.88	17.91	17.97	19.00
		25	25	17.82	17.83	17.88	19.00
		50	0	17.79	17.94	17.89	19.00
		1	0	17.76	17.93	17.91	19.00
		1	25	17.88	17.76	17.72	19.00
		1	49	17.81	17.94	18.00	19.00
		25	0	17.72	17.94	17.79	19.00
	16QAM	1	0	17.66	18.04	17.95	19.00
		1	25	17.86	17.89	17.94	19.00
		1	49	17.69	17.77	17.91	19.00
		25	0	17.91	17.92	17.80	19.00

		25	13	17.76	17.82	17.89	19.00
		25	25	17.89	17.79	17.86	19.00
		50	0	17.94	18.03	18.03	19.00
	64QAM	1	0	17.79	17.87	17.87	19.00
		1	25	17.90	17.89	17.94	19.00
		1	49	17.89	17.82	18.05	19.00
		25	0	17.84	17.85	17.87	19.00
		25	13	17.70	17.86	17.81	19.00
		25	25	17.80	17.86	17.94	19.00
		50	0	17.86	17.84	17.87	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	17.85	18.04	17.84	19.00
		1	38	17.94	17.94	17.88	19.00
		1	74	17.80	17.91	17.94	19.00
		36	0	17.98	17.87	17.75	19.00
		36	18	17.76	17.84	17.78	19.00
		36	39	17.91	17.75	17.94	19.00
		75	0	17.69	17.85	17.78	19.00
	16QAM	1	0	17.79	17.87	17.83	19.00
		1	38	17.71	17.99	17.88	19.00
		1	74	17.75	18.00	17.95	19.00
		36	0	17.72	17.70	18.00	19.00
		36	18	17.84	17.80	17.76	19.00
		36	39	17.72	17.91	17.82	19.00
		75	0	17.98	17.90	17.87	19.00
	64QAM	1	0	17.74	17.79	18.03	19.00
		1	38	17.99	17.83	17.92	19.00
		1	74	17.84	18.03	17.86	19.00
		36	0	17.98	18.01	17.83	19.00
		36	18	17.78	18.00	17.77	19.00
		36	39	17.83	17.85	17.75	19.00
		75	0	17.89	17.86	17.96	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	17.98	18.09	18.06	19.00
		1	50	17.82	17.83	17.84	19.00
		1	99	17.82	17.93	17.77	19.00
		50	0	17.92	17.98	17.89	19.00
		50	25	17.77	17.77	17.79	19.00
		50	50	17.83	17.87	17.78	19.00
		100	0	17.76	17.95	17.89	19.00
	16QAM	1	0	17.66	17.94	17.89	19.00
		1	50	17.76	17.76	17.75	19.00
		1	99	17.73	17.95	17.77	19.00
		50	0	17.91	17.90	17.86	19.00
		50	25	17.74	17.99	17.85	19.00
		50	50	17.87	17.87	17.77	19.00
		100	0	17.86	17.76	17.77	19.00
	64QAM	1	0	17.80	17.85	17.86	19.00
		1	50	17.76	17.85	17.83	19.00

		1	99	17.89	18.03	17.90	19.00
		50	0	17.87	17.94	17.93	19.00
		50	25	17.92	17.86	17.88	19.00
		50	50	17.65	18.01	17.96	19.00
		100	0	17.86	17.94	17.90	19.00

LTE Band 66 Ant4 Full Power				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	22.78	22.97	22.98	24.00
		1	2	22.67	22.86	23.00	24.00
		1	5	22.74	22.79	22.77	24.00
		3	0	22.74	22.83	22.87	24.00
		3	1	22.68	22.74	22.66	24.00
		3	3	22.66	22.73	22.85	24.00
		6	0	21.71	21.86	21.70	23.00
	16QAM	1	0	21.59	21.84	21.98	23.00
		1	2	21.80	21.85	21.65	23.00
		1	5	21.74	21.86	21.93	23.00
		3	0	21.66	21.92	21.71	23.00
		3	1	21.66	21.84	21.83	23.00
		3	3	21.58	21.76	21.60	23.00
		6	0	20.64	20.98	20.87	22.00
	64QAM	1	0	20.88	20.89	20.67	22.00
		1	2	20.89	20.89	20.86	22.00
		1	5	20.75	20.83	20.83	22.00
		3	0	20.59	20.76	20.79	22.00
		3	1	20.65	20.89	20.56	22.00
		3	3	20.52	20.62	20.70	22.00
		6	0	19.70	19.77	19.69	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	22.74	23.00	23.01	24.00
		1	7	22.81	22.90	22.82	24.00
		1	14	22.67	22.87	22.87	24.00
		8	0	21.90	21.95	21.91	23.00
		8	4	21.78	21.75	21.77	23.00
		8	7	21.67	21.87	21.87	23.00
		15	0	21.70	21.86	21.81	23.00
	16QAM	1	0	21.71	21.82	21.81	23.00
		1	7	21.88	21.83	21.72	23.00
		1	14	21.84	21.89	21.97	23.00
		8	0	20.92	20.96	20.90	22.00
		8	4	20.65	20.80	20.92	22.00
		8	7	20.70	21.00	20.74	22.00
		15	0	20.78	20.95	20.88	22.00
	64QAM	1	0	20.76	20.90	20.85	22.00
		1	7	20.84	20.92	20.92	22.00

		1	14	20.64	20.92	20.69	22.00
		8	0	19.75	19.82	19.95	21.00
		8	4	19.85	19.97	19.64	21.00
		8	7	19.64	19.74	19.76	21.00
		15	0	19.68	19.84	19.70	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.78	23.08	22.87	24.00
		1	13	22.77	22.90	22.85	24.00
		1	24	22.75	22.89	22.88	24.00
		12	0	21.79	22.02	21.88	23.00
		12	6	21.86	21.76	21.84	23.00
		12	13	21.77	21.93	21.84	23.00
		25	0	21.77	21.92	21.63	23.00
	16QAM	1	0	21.62	21.82	21.82	23.00
		1	13	21.76	21.91	21.70	23.00
		1	24	21.71	21.80	21.91	23.00
		12	0	20.89	20.88	20.75	22.00
		12	6	20.72	20.97	20.89	22.00
		12	13	20.79	20.96	20.76	22.00
		25	0	20.72	20.92	20.95	22.00
	64QAM	1	0	20.91	20.89	20.75	22.00
		1	13	20.93	20.93	20.83	22.00
		1	24	20.75	20.86	20.75	22.00
		12	0	19.71	19.78	19.77	21.00
		12	6	19.80	19.88	19.79	21.00
		12	13	19.63	19.79	19.79	21.00
		25	0	19.63	19.83	19.78	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	22.87	23.05	22.86	24.00
		1	25	22.79	22.99	22.90	24.00
		1	49	22.66	22.92	22.81	24.00
		25	0	21.86	21.89	21.84	23.00
		25	13	21.72	21.83	21.81	23.00
		25	25	21.85	21.91	21.88	23.00
		50	0	21.72	21.81	21.82	23.00
	16QAM	1	0	21.69	21.79	21.87	23.00
		1	25	21.81	21.97	21.74	23.00
		1	49	21.81	21.96	21.94	23.00
		25	0	20.75	20.95	20.78	22.00
		25	13	20.62	20.83	20.91	22.00
		25	25	20.65	20.90	20.76	22.00
		50	0	20.64	20.94	20.80	22.00
	64QAM	1	0	20.82	20.89	20.83	22.00
		1	25	20.74	20.87	20.97	22.00
		1	49	20.60	20.86	20.79	22.00
		25	0	19.73	19.86	19.96	21.00
		25	13	19.84	19.93	19.76	21.00
		25	25	19.72	19.72	19.78	21.00
		50	0	19.70	19.84	19.83	21.00

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	22.82	22.90	23.00	24.00
		1	38	22.69	23.03	22.98	24.00
		1	74	22.63	22.90	22.83	24.00
		36	0	21.94	22.00	21.87	23.00
		36	18	21.73	21.82	21.78	23.00
		36	39	21.76	21.97	21.84	23.00
		75	0	21.70	21.96	21.73	23.00
	16QAM	1	0	21.61	21.78	21.97	23.00
		1	38	21.87	21.84	21.81	23.00
		1	74	21.80	21.92	21.91	23.00
		36	0	20.74	20.88	20.81	22.00
		36	18	20.64	20.90	20.87	22.00
		36	39	20.69	20.95	20.78	22.00
		75	0	20.70	21.00	20.92	22.00
	64QAM	1	0	20.89	20.83	20.74	22.00
		1	38	20.88	20.90	20.92	22.00
		1	74	20.66	21.01	20.82	22.00
		36	0	19.72	19.88	19.78	21.00
		36	18	19.84	19.88	19.68	21.00
		36	39	19.56	19.73	19.74	21.00
		75	0	19.75	19.88	19.72	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	22.95	23.10	23.04	24.00
		1	50	22.83	23.07	23.02	24.00
		1	99	22.77	22.97	22.93	24.00
		50	0	21.97	22.07	22.02	23.00
		50	25	21.91	21.91	21.88	23.00
		50	50	21.87	21.99	22.01	23.00
		100	0	21.90	21.99	21.84	23.00
	16QAM	1	0	21.79	21.97	22.02	23.00
		1	50	21.93	22.02	21.84	23.00
		1	99	21.90	21.98	22.00	23.00
		50	0	20.93	21.07	20.95	22.00
		50	25	20.80	20.99	21.01	22.00
		50	50	20.81	21.03	20.84	22.00
		100	0	20.84	21.03	20.97	22.00
	64QAM	1	0	20.93	20.95	20.86	22.00
		1	50	20.94	21.00	21.01	22.00
		1	99	20.78	21.03	20.85	22.00
		50	0	19.81	19.94	19.98	21.00
		50	25	19.91	20.07	19.84	21.00
		50	50	19.77	19.92	19.85	21.00
		100	0	19.83	19.97	19.90	21.00

LTE Band 71 Ant0 Full Power	Conducted Power(dBm)
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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133297	133447	
5MHz	QPSK	1	0	22.64	22.49	22.42	23.50
		1	12	22.66	22.63	22.52	23.50
		1	24	22.56	22.41	22.35	23.50
		12	0	21.70	21.58	21.52	22.50
		12	6	21.72	21.62	21.63	22.50
		12	13	21.67	21.59	21.55	22.50
		25	0	21.68	21.56	21.48	22.50
	16QAM	1	0	21.92	21.63	21.64	22.50
		1	12	21.93	21.74	21.94	22.50
		1	24	21.75	21.60	21.71	22.50
		12	0	20.71	20.54	20.52	21.50
		12	6	20.70	20.56	20.64	21.50
		12	13	20.64	20.57	20.57	21.50
		25	0	20.69	20.53	20.55	21.50
	64QAM	1	0	20.62	20.38	20.32	21.50
		1	12	20.56	20.50	20.47	21.50
		1	24	20.44	20.27	20.16	21.50
		12	0	19.54	19.54	19.49	20.50
		12	6	19.52	19.45	19.43	20.50
		12	13	19.57	19.58	19.41	20.50
		25	0	19.57	19.46	19.48	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133172	133297	133442	
10MHz	QPSK	1	0	22.62	22.54	22.62	23.50
		1	24	22.51	22.50	22.55	23.50
		1	49	22.48	22.41	22.52	23.50
		25	0	21.67	21.60	21.51	22.50
		25	12	21.66	21.59	21.51	22.50
		25	25	21.58	21.58	21.50	22.50
		50	0	21.64	21.56	21.51	22.50
	16QAM	1	0	21.88	21.80	21.50	22.50
		1	24	21.80	21.74	21.47	22.50
		1	49	21.82	21.67	21.45	22.50
		25	0	20.72	20.60	20.53	21.50
		25	12	20.73	20.61	20.54	21.50
		25	25	20.66	20.65	20.53	21.50
		50	0	20.60	20.54	20.50	21.50
	64QAM	1	0	20.51	20.35	20.48	21.50
		1	24	20.33	20.48	20.45	21.50
		1	49	20.34	20.22	20.40	21.50
		25	0	19.64	19.45	19.32	20.50
		25	12	19.59	19.55	19.32	20.50
		25	25	19.58	19.47	19.49	20.50
		50	0	19.55	19.49	19.49	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133197	133297	133397	
15MHz	QPSK	1	0	22.51	22.53	22.42	23.50
		1	38	22.35	22.38	22.36	23.50
		1	74	22.39	22.36	22.32	23.50

		38	0	21.49	21.52	21.51	22.50
		38	18	21.53	21.48	21.46	22.50
		38	37	21.52	21.47	21.49	22.50
		75	0	21.56	21.45	21.47	22.50
	16QAM	1	0	21.78	21.73	21.64	22.50
		1	38	21.66	21.70	21.61	22.50
		1	74	21.64	21.68	21.62	22.50
		38	0	20.48	20.54	20.52	21.50
		38	18	20.54	20.50	20.47	21.50
		38	37	20.55	20.53	20.51	21.50
		75	0	20.55	20.48	20.44	21.50
	64QAM	1	0	20.48	20.40	20.42	21.50
		1	38	20.21	20.33	20.24	21.50
		1	74	20.37	20.20	20.21	21.50
		38	0	19.34	19.42	19.44	20.50
		38	18	19.52	19.33	19.31	20.50
		38	37	19.52	19.43	19.32	20.50
		75	0	19.44	19.32	19.31	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133322	133297	133372	
20MHz	QPSK	1	0	22.44	22.67	22.61	23.50
		1	49	22.38	22.49	22.48	23.50
		1	99	22.40	22.38	22.39	23.50
		50	0	21.47	21.61	21.56	22.50
		50	25	21.51	21.45	21.58	22.50
		50	50	21.50	21.42	21.51	22.50
		100	0	21.56	21.41	21.54	22.50
	16QAM	1	0	21.66	21.42	21.47	22.50
		1	49	21.58	21.44	21.31	22.50
		1	99	21.58	21.32	21.28	22.50
		50	0	20.50	20.40	20.53	21.50
		50	25	20.53	20.45	20.54	21.50
		50	50	20.53	20.40	20.44	21.50
		100	0	20.53	20.45	20.59	21.50
	16QAM	1	0	20.25	20.61	20.56	21.50
		1	49	20.34	20.41	20.29	21.50
		1	99	20.27	20.31	20.31	21.50
		50	0	19.42	19.58	19.50	20.50
		50	25	19.45	19.43	19.52	20.50
		50	50	19.37	19.30	19.41	20.50
		100	0	19.37	19.40	19.38	20.50

4. Conducted Power of LTE DL CA

CA List	PCC								SCC1				SCC2				SCC3				Power	
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Without CA
	Band		(MHz)	Freq. (MHz)	Channel		RB	RB Offset	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Band	(MHz)	Freq. (MHz)	Channel	Tx. Power (dBm)	Tx. Power (dBm)
CA_12A-66A-66A	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 66	20M	2145	66786	Band 66	5M	2177.5	67111					22.69	22.76
	Band	0	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	Band 12	10M	737.5	5095					23.32	23.37



CA_13A-66A-66A	Band 13	0	10M	782	23230	QPSK	1	0	Band 66	20M	2145	66786	Band 66	5M	2177.5	67111							22.4	22.44
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	Band 13	10M	751	5230							23.14	23.37
CA_13A-66B	Band 13	0	10M	782	23230	QPSK	1	0	Band 66	15M	2145	66786	Band 66	5M	2164.3	66979							22.24	22.44
	Band 66	0	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 13	10M	751	5230							23.31	23.37
CA_13A-66C	Band 13	0	10M	782	23230	QPSK	1	0	Band 66	20M	2145	66786	Band 66	20M	2164.8	66984							22.43	22.44
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 66	20M	2164.8	66984	Band 13	10M	751	5230							23.33	23.37
CA_13A-48A	Band 13	0	10M	782	23230	QPSK	1	0	Band 48	20M	3609	55830											22.39	22.44
	Band 48	2	20M	3609	55830	QPSK	1	0	Band 13	10M	751	5230											21.07	21.25
CA_13A-48D	Band 13	0	10M	782	23230	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3679	56530			22.25	22.44
	Band 48	2	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3679	56530	Band 13	10M	751	5230			21.12	21.25
CA_14A-66A-66A	Band 14	0	10M	793	23330	QPSK	1	0	Band 66	20M	2145	66786	Band 66	5M	2177.5	67111							22.33	22.45
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	Band 14	10M	763	5330							23.3	23.37
CA_2A-2A-12A	Band 2	0	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 12	10M	737.5	5095							23.11	23.15
	Band 12	0	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175							22.67	22.76
CA_2A-2A-13A	Band 2	0	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 13	10M	751	5230							23.13	23.15
	Band 13	0	10M	782	23230	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175							22.43	22.44
CA_2A-2A-14A	Band 2	0	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 14	10M	763	5330							22.97	23.15
	Band 14	0	10M	793	23330	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175							22.41	22.45
CA_2A-2A-5A	Band 2	0	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	Band 5	10M	881.5	2525							22.99	23.15
	Band 5	1	10M	834.1	20501	QPSK	1	0	Band 2	20M	1960	900	Band 2	5M	1987.5	1175							22.49	22.67
CA_2A-5B	Band 2	0	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	Band 5	5M	889	2600							23.09	23.15
	Band 5	1	10M	834.1	20501	QPSK	1	0	Band 5	5M	889	2600	Band 2	20M	1960	900							22.48	22.67
CA_2A-66A	Band 2	0	20M	1880	18900	QPSK	1	0	Band 66	20M	2145	66786											23.06	23.15
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900											23.17	23.37
CA_2A-66B	Band 2	0	20M	1880	18900	QPSK	1	0	Band 66	15M	2145	66786	Band 66	5M	2164.3	66979							22.95	23.15
	Band 66	0	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	Band 2	20M	1960	900							23.16	23.37
CA_2A-66C	Band 2	0	20M	1880	18900	QPSK	1	0	Band 66	20M	2145	66786	Band 66	20M	2164.8	66984							22.93	23.15
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 66	20M	2164.8	66984	Band 2	20M	1960	900							23.22	23.37
CA_2A-48A	Band 2	0	20M	1880	18900	QPSK	1	0	Band 48	20M	3609	55830											23.13	23.15
	Band 48	2	20M	3609	55830	QPSK	1	0	Band 2	20M	1960	900											21.05	21.25
CA_2A-48C	Band 2	0	20M	1880	18900	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028							22.96	23.15
	Band 48	2	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 2	20M	1960	900							21.14	21.25
CA_2A-48D	Band 2	0	20M	1880	18900	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3679	56530			23.04	23.15
	Band 48	2	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3679	56530	Band 2	20M	1960	900			21.14	21.25
CA_48A-66A	Band 48	2	20M	3609	55830	QPSK	1	0	Band 66	20M	2145	66786											21.16	21.25
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830											23.29	23.37
CA_48D-66A	Band 48	2	20M	3609	55830	QPSK	1	0	Band 48	20M	3628.8	56028	Band 48	20M	3679	56530	Band 66	20M	2145	66786			21.12	21.25
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 48	20M	3609	55830	Band 48	20M	3628.8	56028	Band 48	20M	3679	56530			23.35	23.37
CA_5A-5A-66A-66A	Band 5	0	10M	836.5	20525	QPSK	1	0	Band 5	10M	846.4	20624	Band 66	20M	2145	66786	Band 66	5M	2177.5	67111			22.63	22.67
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	Band 5	10M	881.5	2525	Band 5	10M	846.4	20624			23.23	23.37

CA_5B-66A-66A	66																					
	Band 5	0	10M	834.1	20501	QPSK	1	0	Band 5	5M	889	2600	Band 66	20M	2145	66786	Band 66	5M	2177.5	67111	22.65	22.67
	Band 66	0	20M	1745	132322	QPSK	1	0	Band 66	5M	2177.5	67111	Band 5	10M	881.5	2525	Band 5	5M	889	2600	23.2	23.37

5. Conducted Power of 5G NR

N2 Ant0&Ant4 Full Power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.07	23.19	23.06	24.50
		1	53	22.99	23.12	23.10	24.50
		1	104	22.92	23.16	23.07	24.50
		50	0	22.59	22.77	22.66	24.00
		50	28	23.03	23.16	23.04	24.50
		50	56	22.50	22.73	22.67	24.00
		100	0	22.51	22.76	22.61	24.00
	DFT-s-OFDM QPSK	1	1	23.05	23.21	23.17	24.50
		1	53	23.02	23.18	23.10	24.50
		1	104	23.00	23.13	22.99	24.50
		50	0	22.00	22.16	22.14	23.50
		50	28	22.94	23.17	23.10	24.50
		50	56	21.93	22.13	22.04	23.50
		100	0	21.93	22.16	22.05	23.50
	DFT-s-OFDM 16QAM	1	1	22.02	22.17	22.14	23.50
	DFT-s-OFDM 64QAM	1	1	20.44	20.57	20.45	22.00
	DFT-s-OFDM 256QAM	1	1	18.58	18.82	18.73	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	21.61	21.77	21.66	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	22.57	22.77	22.69	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	22.55	22.78	22.65	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	22.53	22.70	22.67	24.50

N2 Ant0 Receiver on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.55	16.64	16.44	18.00
		1	53	16.40	16.56	16.57	18.00
		1	104	16.29	16.56	16.46	18.00
		50	0	16.48	16.60	16.57	18.00
		50	28	16.43	16.62	16.41	18.00
		50	56	16.38	16.54	16.63	18.00
		100	0	16.44	16.70	16.50	18.00
	DFT-s-OFDM QPSK	1	1	16.41	16.66	16.55	18.00
		1	53	16.50	16.63	16.57	18.00
		1	104	16.36	16.43	16.47	18.00
		50	0	16.45	16.41	16.43	18.00
		50	28	16.35	16.50	16.45	18.00
		50	56	16.41	16.42	16.41	18.00
		100	0	16.30	16.48	16.41	18.00
	DFT-s-OFDM 16QAM	1	1	16.38	16.59	16.59	18.00
	DFT-s-OFDM 64QAM	1	1	16.29	16.41	16.26	18.00
	DFT-s-OFDM 256QAM	1	1	16.47	16.75	16.54	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	15.03	15.16	15.10	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	16.34	16.42	16.33	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	16.23	16.40	16.25	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	16.26	16.33	16.45	18.00

N2 Ant0 Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.88	19.04	18.98	20.50
		1	53	18.99	19.06	19.02	20.50
		1	104	18.90	19.07	18.97	20.50
		50	0	19.02	19.07	19.15	20.50

		50	28	18.95	19.15	18.96	20.50
		50	56	18.83	19.18	19.15	20.50
		100	0	18.83	19.19	19.04	20.50
	DFT-s-OFDM QPSK	1	1	18.90	19.19	18.97	20.50
		1	53	18.88	18.99	18.90	20.50
		1	104	18.86	19.07	18.87	20.50
		50	0	18.89	19.05	18.95	20.50
		50	28	18.94	19.14	19.02	20.50
		50	56	18.88	18.96	18.94	20.50
		100	0	18.74	19.05	18.99	20.50
	DFT-s-OFDM 16QAM	1	1	18.90	19.01	19.04	20.50
	DFT-s-OFDM 64QAM	1	1	18.90	19.00	18.94	20.50
	DFT-s-OFDM 256QAM	1	1	18.54	18.80	18.72	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	CP-OFDM QPSK	1	1	17.41	17.63	17.48	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	18.85	19.11	18.81	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	18.84	19.04	18.85	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	18.81	19.09	18.91	20.50

N2 Ant0 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	38000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.88	19.04	18.98	20.50
		1	53	18.99	19.06	19.02	20.50
		1	104	18.90	19.07	18.97	20.50
		50	0	19.02	19.07	19.15	20.50
		50	28	18.95	19.15	18.96	20.50
		50	56	18.83	19.18	19.15	20.50
		100	0	18.83	19.19	19.04	20.50
	DFT-s-OFDM QPSK	1	1	18.90	19.19	18.97	20.50
		1	53	18.88	18.99	18.90	20.50
		1	104	18.86	19.07	18.87	20.50
		50	0	18.89	19.05	18.95	20.50
		50	28	18.94	19.14	19.02	20.50

		50	56	18.88	18.96	18.94	20.50
		100	0	18.74	19.05	18.99	20.50
	DFT-s-OFDM 16QAM	1	1	18.90	19.01	19.04	20.50
	DFT-s-OFDM 64QAM	1	1	18.90	19.00	18.94	20.50
	DFT-s-OFDM 256QAM	1	1	18.54	18.80	18.72	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 372000	Channel 376000	Channel 38000	Tune up
20MHz	CP-OFDM QPSK	1	1	17.41	17.63	17.48	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 371500	Channel 376000	Channel 380500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	18.85	19.11	18.81	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 371000	Channel 376000	Channel 381000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	18.84	19.04	18.85	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 370500	Channel 376000	Channel 381500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	18.81	19.09	18.91	20.50

N5 Ant0 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	23.24	23.39	23.29	24.50
		1	53	23.17	23.31	23.20	24.50
		1	104	23.20	23.34	23.31	24.50
		50	0	22.80	22.95	22.90	24.00
		50	28	23.13	23.36	23.34	24.50
		50	56	22.68	22.91	22.88	24.00
		100	0	22.78	22.93	22.90	24.00
	DFT-s-OFDM QPSK	1	1	23.28	23.46	23.44	24.50
		1	53	23.19	23.41	23.38	24.50
		1	104	23.18	23.38	23.31	24.50
		50	0	22.21	22.33	22.24	23.50
		50	28	23.23	23.41	23.34	24.50
		50	56	22.13	22.31	22.27	23.50
		100	0	22.21	22.36	22.27	23.50
	DFT-s-OFDM 16QAM	1	1	22.06	22.26	22.21	23.50
	DFT-s-OFDM 64QAM	1	1	20.61	20.83	20.69	22.00
	DFT-s-OFDM 256QAM	1	1	18.53	18.75	18.63	20.00

Bandwidth	Modulation	RB size	RB offset	Channel 166800	Channel 167300	Channel 167800	Tune up
20MHz	CP-OFDM QPSK	1	1	21.75	21.99	21.93	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 166300	Channel 167300	Channel 168300	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.83	22.96	22.94	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 165800	Channel 167300	Channel 168800	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.83	23.01	22.92	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 165300	Channel 167300	Channel 169300	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	22.76	22.96	22.92	24.50

N5 Ant0 Receiver 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	21.07	21.39	21.22	22.50
		1	53	21.13	21.18	21.16	22.50
		1	104	21.20	21.22	21.27	22.50
		50	0	21.17	21.41	21.23	22.50
		50	28	21.08	21.28	21.23	22.50
		50	56	20.99	21.32	21.37	22.50
		100	0	21.14	21.34	21.29	22.50
	DFT-s-OFDM QPSK	1	1	21.25	21.39	21.37	22.50
		1	53	21.09	21.21	21.36	22.50
		1	104	21.13	21.20	21.30	22.50
		50	0	21.09	21.12	21.08	22.50
		50	28	21.02	21.25	21.21	22.50
		50	56	20.90	21.20	21.18	22.50
		100	0	21.09	21.19	21.17	22.50
	DFT-s-OFDM 16QAM	1	1	21.02	21.10	21.09	22.50
	DFT-s-OFDM 64QAM	1	1	20.46	20.75	20.63	22.00
	DFT-s-OFDM 256QAM	1	1	18.50	18.65	18.50	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	19.67	19.85	19.81	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	20.78	20.77	20.89	22.50



Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	20.83	20.90	20.89	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	20.65	20.77	20.73	22.50

N12 Ant0 Full Power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				141300	141500	141700	
15MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.39	23.61	23.47	24.50
		1	40	23.26	23.49	23.46	24.50
		1	77	23.23	23.43	23.28	24.50
		36	0	22.90	23.09	23.01	24.00
		36	22	23.31	23.48	23.36	24.50
		36	43	22.86	23.03	22.97	24.00
		75	0	22.82	23.06	23.04	24.00
	DFT-s-OFDM QPSK	1	1	23.41	23.65	23.54	24.50
		1	40	23.35	23.58	23.43	24.50
		1	77	23.46	23.61	23.54	24.50
		36	0	22.48	22.69	22.59	23.50
		36	22	23.34	23.51	23.42	24.50
		36	43	22.26	22.48	22.35	23.50
		75	0	22.30	22.52	22.45	23.50
	DFT-s-OFDM 16QAM	1	1	22.56	22.79	22.75	23.50
	DFT-s-OFDM 64QAM	1	1	20.96	21.09	21.04	22.00
	DFT-s-OFDM 256QAM	1	1	19.01	19.18	19.15	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				141300	141500	141700	
15MHz	CP-OFDM QPSK	1	1	21.93	22.21	22.05	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				140800	141500	142200	
10MHz	DFT-s-OFDM QPSK	1	1	22.95	23.18	23.09	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				140300	141500	142700	
5MHz	DFT-s-OFDM QPSK	1	1	22.95	23.20	23.08	24.50

N25 Ant0&Ant4 Full Power				Conducted Power(dBm)			
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SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel 372000	Channel 376500	Channel 381000	Tune up
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.00	23.22	23.18	24.50
		1	53	23.03	23.18	23.06	24.50
		1	104	22.99	23.15	23.04	24.50
		50	0	22.61	22.81	22.75	24.00
		50	28	22.96	23.19	23.15	24.50
		50	56	22.52	22.72	22.69	24.00
		100	0	22.60	22.73	22.68	24.00
	DFT-s-OFDM QPSK	1	1	23.05	23.29	23.24	24.50
		1	53	23.05	23.22	23.15	24.50
		1	104	23.00	23.16	23.02	24.50
		50	0	21.92	22.15	22.07	23.50
		50	28	22.97	23.21	23.16	24.50
		50	56	22.03	22.19	22.08	23.50
		100	0	22.07	22.21	22.14	23.50
	DFT-s-OFDM 16QAM	1	1	21.83	21.97	21.89	23.50
	DFT-s-OFDM 64QAM	1	1	20.46	20.64	20.57	22.00
	DFT-s-OFDM 256QAM	1	1	18.31	18.55	18.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 372000	Channel 376500	Channel 381000	Tune up
20MHz	CP-OFDM QPSK	1	1	21.59	21.78	21.79	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 371500	Channel 376500	Channel 381500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.59	22.78	22.73	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 371000	Channel 376500	Channel 382000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.59	22.74	22.75	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 370500	Channel 376500	Channel 382500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	22.62	22.81	22.70	24.50

N25 Ant0 Receiver on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376500	381000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.30	16.60	16.52	18.00
		1	53	16.47	16.58	16.50	18.00
		1	104	16.37	16.62	16.45	18.00
		50	0	16.54	16.78	16.56	18.00
		50	28	16.45	16.60	16.64	18.00

		50	56	16.44	16.68	16.66	18.00
		100	0	16.53	16.71	16.55	18.00
	DFT-s-OFDM QPSK	1	1	16.42	16.67	16.59	18.00
		1	53	16.39	16.57	16.56	18.00
		1	104	16.27	16.30	16.24	18.00
		50	0	16.13	16.36	16.20	18.00
		50	28	16.36	16.55	16.49	18.00
		50	56	16.25	16.34	16.37	18.00
		100	0	16.23	16.41	16.32	18.00
	DFT-s-OFDM 16QAM	1	1	16.16	16.36	16.36	18.00
	DFT-s-OFDM 64QAM	1	1	16.33	16.53	16.44	18.00
	DFT-s-OFDM 256QAM	1	1	16.24	16.36	16.35	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376500	381000	
20MHz	CP-OFDM QPSK	1	1	14.98	15.14	15.15	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376500	381500	
15MHz	DFT-s-OFDM QPSK	1	1	16.15	16.34	16.15	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376500	382000	
10MHz	DFT-s-OFDM QPSK	1	1	16.13	16.28	16.17	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376500	382500	
5MHz	DFT-s-OFDM QPSK	1	1	16.18	16.32	16.22	18.00

N25 Ant0 Receiver on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376500	381000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.90	19.19	19.17	20.50
		1	53	18.88	19.13	18.92	20.50
		1	104	18.90	19.13	18.96	20.50
		50	0	19.02	19.23	19.11	20.50
		50	28	18.87	19.10	19.05	20.50
		50	56	18.82	19.06	19.16	20.50
		100	0	18.99	19.21	19.14	20.50
	DFT-s-OFDM QPSK	1	1	18.87	19.29	19.24	20.50
		1	53	18.84	19.08	18.92	20.50
		1	104	18.93	19.15	18.85	20.50
		50	0	18.70	19.07	18.82	20.50
		50	28	18.81	19.12	18.97	20.50
		50	56	18.78	18.95	18.90	20.50

		100	0	19.03	19.09	19.06	20.50
	DFT-s-OFDM 16QAM	1	1	18.66	18.78	18.86	20.50
	DFT-s-OFDM 64QAM	1	1	18.94	18.96	18.95	20.50
	DFT-s-OFDM 256QAM	1	1	18.30	18.46	18.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 372000	Channel 376500	Channel 381000	Tune up
20MHz	CP-OFDM QPSK	1	1	17.42	17.71	17.65	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 371500	Channel 376500	Channel 381500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	18.74	19.12	19.08	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 371000	Channel 376500	Channel 382000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	18.86	19.16	19.15	20.50
Bandwidth	Modulation	RB size	RB offset	Channel 370500	Channel 376500	Channel 382500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	18.68	19.11	19.17	20.50

N25 Ant0 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376500	381000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.90	19.19	19.17	20.50
		1	53	18.88	19.13	18.92	20.50
		1	104	18.90	19.13	18.96	20.50
		50	0	19.02	19.23	19.11	20.50
		50	28	18.87	19.10	19.05	20.50
		50	56	18.82	19.06	19.16	20.50
		100	0	18.99	19.21	19.14	20.50
	DFT-s-OFDM QPSK	1	1	18.87	19.29	19.24	20.50
		1	53	18.84	19.08	18.92	20.50
		1	104	18.93	19.15	18.85	20.50
		50	0	18.70	19.07	18.82	20.50
		50	28	18.81	19.12	18.97	20.50
		50	56	18.78	18.95	18.90	20.50
		100	0	19.03	19.09	19.06	20.50
	DFT-s-OFDM 16QAM	1	1	18.66	18.78	18.86	20.50
	DFT-s-OFDM 64QAM	1	1	18.94	18.96	18.95	20.50
	DFT-s-OFDM 256QAM	1	1	18.30	18.46	18.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				372000	376500	381000	
20MHz	CP-OFDM QPSK	1	1	17.42	17.71	17.65	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376500	381500	
15MHz	DFT-s-OFDM QPSK	1	1	18.74	19.12	19.08	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376500	382000	
10MHz	DFT-s-OFDM QPSK	1	1	18.86	19.16	19.15	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376500	382500	
5MHz	DFT-s-OFDM QPSK	1	1	18.68	19.11	19.17	20.50

N38 Ant0 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	22.16	22.29	22.17	23.50
		1	53	21.84	22.05	22.01	23.50
		1	104	21.90	22.05	21.98	23.50
		50	0	21.53	21.66	21.61	23.00
		50	28	21.96	22.13	22.07	23.50
		50	56	21.44	21.69	21.60	23.00
		100	0	21.53	21.70	21.57	23.00
	DFT-s-OFDM QPSK	1	1	22.19	22.33	22.28	23.50
		1	53	22.02	22.14	22.07	23.50
		1	104	22.04	22.16	22.07	23.50
		50	0	21.12	21.33	21.31	22.50
		50	28	22.01	22.19	22.14	23.50
		50	56	21.08	21.28	21.13	22.50
		100	0	21.17	21.35	21.23	22.50
	DFT-s-OFDM 16QAM	1	1	21.02	21.25	21.22	22.50
	DFT-s-OFDM 64QAM	1	1	19.57	19.73	19.67	21.00
	DFT-s-OFDM 256QAM	1	1	17.54	17.68	17.66	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	20.64	20.84	20.85	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	21.65	21.87	21.79	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	21.77	21.84	21.84	23.50

N38 Ant0 Receiver 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	17.65	17.77	17.64	19.00
		1	53	17.21	17.40	17.39	19.00
		1	104	17.31	17.38	17.35	19.00
		50	0	17.38	17.59	17.49	19.00
		50	28	17.29	17.55	17.48	19.00
		50	56	17.35	17.67	17.41	19.00
		100	0	17.52	17.56	17.51	19.00
	DFT-s-OFDM QPSK	1	1	17.64	17.75	17.73	19.00
		1	53	17.37	17.56	17.47	19.00
		1	104	17.35	17.66	17.38	19.00
		50	0	17.32	17.63	17.54	19.00
		50	28	17.37	17.67	17.62	19.00
		50	56	17.34	17.41	17.35	19.00
		100	0	17.49	17.70	17.53	19.00
	DFT-s-OFDM 16QAM	1	1	17.45	17.55	17.54	19.00
	DFT-s-OFDM 64QAM	1	1	17.38	17.55	17.46	19.00
	DFT-s-OFDM 256QAM	1	1	17.23	17.45	17.48	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	15.94	16.15	16.20	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	17.43	17.41	17.46	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	17.34	17.43	17.49	19.00

N38 Ant0 Hotspot on&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	19.06	19.12	18.97	20.50
		1	53	18.65	19.04	18.92	20.50
		1	104	18.74	18.99	18.91	20.50

		50	0	18.89	18.99	19.02	20.50
		50	28	18.88	19.00	18.93	20.50
		50	56	18.86	19.02	19.10	20.50
		100	0	19.02	19.12	18.98	20.50
	DFT-s-OFDM QPSK	1	1	19.04	19.28	19.23	20.50
		1	53	18.98	19.04	18.95	20.50
		1	104	18.93	18.98	19.05	20.50
		50	0	18.73	18.96	18.88	20.50
		50	28	18.82	19.21	18.96	20.50
		50	56	18.79	19.12	18.92	20.50
		100	0	18.78	18.96	18.85	20.50
	DFT-s-OFDM 16QAM	1	1	19.00	19.17	19.20	20.50
	DFT-s-OFDM 64QAM	1	1	19.04	19.18	19.14	20.50
	DFT-s-OFDM 256QAM	1	1	17.51	17.55	17.61	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	17.51	17.70	17.66	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	18.94	19.20	19.17	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	18.90	19.13	19.19	20.50

N41 Ant0&4 Full Power				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.23	22.41	22.39	23.50
		1	137	22.02	22.16	22.11	23.50
		1	271	22.09	22.23	22.18	23.50
		135	0	21.58	21.82	21.71	23.00
		135	69	22.04	22.19	22.13	23.50
		135	138	21.64	21.77	21.73	23.00
		270	0	21.65	21.84	21.80	23.00
	DFT-s-OFDM QPSK	1	1	22.33	22.49	22.44	23.50
		1	137	22.11	22.31	22.19	23.50
		1	271	22.12	22.26	22.11	23.50
		135	0	21.24	21.48	21.40	22.50
		135	69	22.14	22.32	22.24	23.50

		135	138	21.32	21.46	21.36	22.50
		270	0	21.28	21.52	21.44	22.50
	DFT-s-OFDM 16QAM	1	1	21.42	21.63	21.55	22.50
	DFT-s-OFDM 64QAM	1	1	19.64	19.85	19.73	21.00
	DFT-s-OFDM 256QAM	1	1	17.76	17.90	17.76	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	CP-OFDM QPSK	1	1	20.91	21.05	20.97	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				508200	518598	528996	
90MHz	DFT-s-OFDM QPSK	1	1	21.78	22.06	21.99	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				507204	518598	529998	
80MHz	DFT-s-OFDM QPSK	1	1	21.81	22.06	21.95	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	21.83	21.98	21.92	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	21.79	21.95	21.94	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	21.85	22.06	21.97	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
30MHz	DFT-s-OFDM QPSK	1	1	21.90	21.95	21.96	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	21.84	21.96	22.00	23.50

N41 Ant0 Receiver on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	

100MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.73	17.79	17.82	19.00
		1	137	17.38	17.66	17.45	19.00
		1	271	17.48	17.70	17.60	19.00
		135	0	17.56	17.74	17.61	19.00
		135	69	17.51	17.57	17.63	19.00
		135	138	17.60	17.61	17.73	19.00
		270	0	17.63	17.73	17.68	19.00
	DFT-s-OFDM QPSK	1	1	17.66	17.99	17.93	19.00
		1	137	17.57	17.75	17.61	19.00
		1	271	17.47	17.74	17.61	19.00
		135	0	17.47	17.59	17.51	19.00
		135	69	17.52	17.62	17.53	19.00
		135	138	17.42	17.58	17.50	19.00
		270	0	17.54	17.84	17.76	19.00
	DFT-s-OFDM 16QAM	1	1	17.83	17.71	17.83	19.00
	DFT-s-OFDM 64QAM	1	1	17.52	17.84	17.39	19.00
	DFT-s-OFDM 256QAM	1	1	17.55	17.75	17.60	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	CP-OFDM QPSK	1	1	16.23	16.44	16.29	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				508200	518598	528996	
90MHz	DFT-s-OFDM QPSK	1	1	17.23	17.44	17.29	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				507204	518598	529998	
80MHz	DFT-s-OFDM QPSK	1	1	17.30	17.41	17.28	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	17.32	17.38	17.26	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	17.21	17.40	17.27	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	17.20	17.51	17.41	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
30MHz	DFT-s-OFDM QPSK	1	1	17.22	17.44	17.43	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	

20MHz	DFT-s-OFDM QPSK	1	1	17.22	17.44	17.38	19.00
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N41 Ant0 Hotspot on & Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.17	19.25	19.31	20.50
		1	137	18.90	18.96	19.06	20.50
		1	271	18.98	19.15	19.15	20.50
		135	0	18.98	19.24	19.13	20.50
		135	69	18.96	19.04	19.08	20.50
		135	138	19.05	19.10	19.08	20.50
		270	0	19.14	19.22	19.16	20.50
	DFT-s-OFDM QPSK	1	1	19.24	19.42	19.30	20.50
		1	137	19.07	19.23	19.17	20.50
		1	271	18.94	19.18	19.09	20.50
		135	0	19.06	19.21	19.18	20.50
		135	69	19.18	19.35	19.31	20.50
		135	138	19.13	19.31	19.16	20.50
		270	0	19.03	19.38	19.26	20.50
	DFT-s-OFDM 16QAM	1	1	18.89	19.34	19.10	20.50
	DFT-s-OFDM 64QAM	1	1	18.96	19.33	19.22	20.50
	DFT-s-OFDM 256QAM	1	1	17.68	17.72	17.70	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	CP-OFDM QPSK	1	1	17.84	18.04	17.77	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				508200	518598	528996	
90MHz	DFT-s-OFDM QPSK	1	1	19.08	19.30	19.25	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				507204	518598	529998	
80MHz	DFT-s-OFDM QPSK	1	1	19.22	19.37	19.24	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	19.13	19.33	19.14	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	19.18	19.34	19.30	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	

40MHz	DFT-s-OFDM QPSK	1	1	19.10	19.23	19.19	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
30MHz	DFT-s-OFDM QPSK	1	1	19.06	19.37	19.16	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	19.06	19.39	19.11	20.50

N48 Ant2 Full Power				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.02	22.19	22.04	23.50
		1	53	21.81	21.96	21.87	23.50
		1	104	21.73	21.94	21.80	23.50
		50	0	21.41	21.56	21.48	23.00
		50	28	21.82	21.97	21.88	23.50
		50	56	21.42	21.54	21.46	23.00
		100	0	21.36	21.60	21.55	23.00
	DFT-s-OFDM QPSK	1	1	22.16	22.32	22.23	23.50
		1	53	21.94	22.16	22.13	23.50
		1	104	21.95	22.13	22.09	23.50
		50	0	21.18	21.30	21.16	22.50
		50	28	22.03	22.19	22.13	23.50
		50	56	21.09	21.28	21.18	22.50
		100	0	21.08	21.32	21.27	22.50
	DFT-s-OFDM 16QAM	1	1	21.01	21.18	21.15	22.50
	DFT-s-OFDM 64QAM	1	1	19.30	19.48	19.37	21.00
	DFT-s-OFDM 256QAM	1	1	17.34	17.57	17.46	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	CP-OFDM QPSK	1	1	20.73	20.87	20.79	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637334	641666	646000	
20MHz	DFT-s-OFDM QPSK	1	1	21.64	21.89	21.71	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637000	641666	646332	



10MHz	DFT-s-OFDM QPSK	1	1	21.72	21.81	21.75	23.50
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N48 Ant2 Receiver on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.18	21.31	21.17	22.50
		1	53	20.97	20.97	21.02	22.50
		1	104	20.73	21.02	20.98	22.50
		50	0	21.04	21.12	20.99	22.50
		50	28	20.94	21.16	21.03	22.50
		50	56	21.01	21.18	21.06	22.50
		100	0	20.95	21.20	21.13	22.50
	DFT-s-OFDM QPSK	1	1	21.21	21.47	21.30	22.50
		1	53	21.10	21.26	21.22	22.50
		1	104	20.97	21.28	21.27	22.50
		50	0	21.04	21.05	20.96	22.50
		50	28	21.09	21.24	21.14	22.50
		50	56	20.96	21.17	21.23	22.50
		100	0	21.05	21.30	21.29	22.50
	DFT-s-OFDM 16QAM	1	1	21.03	21.08	21.25	22.50
	DFT-s-OFDM 64QAM	1	1	19.24	19.40	19.29	21.00
	DFT-s-OFDM 256QAM	1	1	17.26	17.54	17.49	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	CP-OFDM QPSK	1	1	19.92	19.97	19.99	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637334	641666	646000	
20MHz	DFT-s-OFDM QPSK	1	1	20.71	20.96	20.74	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637000	641666	646332	
10MHz	DFT-s-OFDM QPSK	1	1	20.81	20.83	20.86	22.50

N48 Ant2 Hotspot on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	

40MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.87	19.16	18.90	20.50
		1	53	18.71	18.94	18.77	20.50
		1	104	18.71	18.82	18.69	20.50
		50	0	18.90	19.02	18.85	20.50
		50	28	18.81	18.82	18.81	20.50
		50	56	18.74	18.95	18.90	20.50
		100	0	18.84	18.94	18.98	20.50
	DFT-s-OFDM QPSK	1	1	19.08	19.25	19.05	20.50
		1	53	18.88	19.06	18.92	20.50
		1	104	18.94	19.10	18.91	20.50
		50	0	18.88	19.00	18.88	20.50
		50	28	18.98	19.15	19.03	20.50
		50	56	18.96	19.05	19.01	20.50
		100	0	19.06	19.14	18.97	20.50
	DFT-s-OFDM 16QAM	1	1	18.90	19.07	19.14	20.50
	DFT-s-OFDM 64QAM	1	1	18.75	18.84	18.70	20.50
	DFT-s-OFDM 256QAM	1	1	17.29	17.44	17.43	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	CP-OFDM QPSK	1	1	17.71	17.70	17.67	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637334	641666	646000	
20MHz	DFT-s-OFDM QPSK	1	1	19.00	19.18	18.99	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637000	641666	646332	
10MHz	DFT-s-OFDM QPSK	1	1	19.00	19.05	18.86	20.50

N66 Ant0&Ant4 Full Power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.89	23.09	23.01	24.00
		1	53	22.66	22.87	22.72	24.00
		1	104	22.72	22.93	22.78	24.00
		50	0	22.23	22.46	22.31	23.50
		50	28	22.62	22.87	22.78	24.00
		50	56	22.33	22.47	22.44	23.50
		100	0	22.36	22.49	22.44	23.50
	DFT-s-OFDM QPSK	1	1	22.99	23.16	23.08	24.00
		1	53	22.69	22.93	22.88	24.00
		1	104	22.78	22.99	22.85	24.00
		50	0	21.94	22.14	22.09	23.00
		50	28	22.88	23.01	22.90	24.00

		50	56	21.90	22.13	22.00	23.00
		100	0	22.00	22.15	22.06	23.00
	DFT-s-OFDM 16QAM	1	1	22.06	22.20	22.08	23.00
	DFT-s-OFDM 64QAM	1	1	20.26	20.45	20.37	21.50
	DFT-s-OFDM 256QAM	1	1	18.29	18.51	18.49	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 344000	Channel 349000	Channel 354000	Tune up
20MHz	CP-OFDM QPSK	1	1	21.46	21.66	21.59	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 343500	Channel 349000	Channel 354500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.46	22.66	22.66	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 343000	Channel 349000	Channel 355000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.50	22.62	22.60	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 342500	Channel 349000	Channel 355500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	22.56	22.70	22.58	24.00

N66 Ant0 Receiver on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.20	15.58	15.32	16.50
		1	53	15.05	15.26	15.11	16.50
		1	104	15.09	15.41	15.25	16.50
		50	0	15.13	15.27	15.14	16.50
		50	28	15.00	15.33	15.18	16.50
		50	56	15.19	15.29	15.35	16.50
		100	0	15.26	15.35	15.30	16.50
	DFT-s-OFDM QPSK	1	1	15.48	15.59	15.58	16.50
		1	53	15.04	15.43	15.33	16.50
		1	104	15.17	15.49	15.19	16.50
		50	0	15.18	15.22	15.15	16.50
		50	28	15.24	15.43	15.31	16.50
		50	56	15.23	15.32	15.23	16.50
		100	0	15.45	15.47	15.43	16.50
	DFT-s-OFDM 16QAM	1	1	15.34	15.38	15.46	16.50
	DFT-s-OFDM 64QAM	1	1	15.11	15.40	15.15	16.50
	DFT-s-OFDM 256QAM	1	1	15.19	15.36	15.42	16.50

Bandwidth	Modulation	RB size	RB offset	Channel 344000	Channel 349000	Channel 354000	Tune up
20MHz	CP-OFDM QPSK	1	1	13.96	14.06	14.08	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 343500	Channel 349000	Channel 354500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	14.91	15.00	15.05	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 343000	Channel 349000	Channel 355000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	14.98	15.04	15.03	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 342500	Channel 349000	Channel 355500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	14.94	15.09	14.98	16.50

N66 Ant0 Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.71	19.05	18.96	20.00
		1	53	18.63	18.84	18.62	20.00
		1	104	18.55	18.75	18.75	20.00
		50	0	18.60	18.92	18.70	20.00
		50	28	18.57	18.76	18.64	20.00
		50	56	18.82	18.86	18.93	20.00
		100	0	18.79	18.95	18.78	20.00
	DFT-s-OFDM QPSK	1	1	18.97	18.99	18.94	20.00
		1	53	18.51	18.84	18.75	20.00
		1	104	18.69	18.85	18.78	20.00
		50	0	18.63	18.80	18.49	20.00
		50	28	18.71	18.94	18.80	20.00
		50	56	18.70	18.85	18.53	20.00
		100	0	18.62	18.87	18.49	20.00
	DFT-s-OFDM 16QAM	1	1	18.94	19.14	19.00	20.00
	DFT-s-OFDM 64QAM	1	1	18.58	18.93	18.82	20.00
	DFT-s-OFDM 256QAM	1	1	18.14	18.49	18.34	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	CP-OFDM QPSK	1	1	17.45	17.59	17.58	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	18.86	18.97	18.93	20.00

Bandwidth	Modulation	RB size	RB offset	Channel 343000	Channel 349000	Channel 355000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	18.88	18.85	18.78	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 342500	Channel 349000	Channel 355500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	18.87	18.98	18.81	20.00

N66 Ant0&Ant4 Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.75	21.94	21.90	23.00
		1	53	21.59	21.82	21.60	23.00
		1	104	21.53	21.81	21.67	23.00
		50	0	21.60	21.84	21.76	23.00
		50	28	21.54	21.68	21.67	23.00
		50	56	21.63	21.96	21.75	23.00
		100	0	21.84	21.87	21.74	23.00
	DFT-s-OFDM QPSK	1	1	21.81	22.01	21.89	23.00
		1	53	21.66	21.76	21.86	23.00
		1	104	21.63	21.83	21.65	23.00
		50	0	21.64	21.86	21.79	23.00
		50	28	21.78	21.96	21.85	23.00
		50	56	21.63	21.94	21.81	23.00
		100	0	21.67	21.99	21.68	23.00
	DFT-s-OFDM 16QAM	1	1	21.90	22.07	21.91	23.00
	DFT-s-OFDM 64QAM	1	1	20.24	20.41	20.21	21.50
	DFT-s-OFDM 256QAM	1	1	18.17	18.31	18.40	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	CP-OFDM QPSK	1	1	21.33	21.54	21.53	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	21.27	21.52	21.53	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	21.43	21.43	21.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	21.46	21.59	21.39	23.00

N71 Ant0 Full Power				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134600	136100	137600	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.28	23.48	23.43	24.50
		1	53	23.08	23.27	23.15	24.50
		1	104	23.13	23.32	23.20	24.50
		50	0	22.62	22.85	22.76	24.00
		50	28	23.16	23.29	23.24	24.50
		50	56	22.63	22.88	22.85	24.00
		100	0	22.73	22.91	22.80	24.00
	DFT-s-OFDM QPSK	1	1	23.34	23.51	23.37	24.50
		1	53	23.09	23.33	23.19	24.50
		1	104	23.06	23.30	23.27	24.50
		50	0	22.34	22.52	22.42	23.50
		50	28	23.14	23.39	23.26	24.50
		50	56	22.31	22.50	22.47	23.50
		100	0	22.40	22.55	22.53	23.50
	DFT-s-OFDM 16QAM	1	1	22.46	22.64	22.57	23.50
	DFT-s-OFDM 64QAM	1	1	20.54	20.78	20.72	22.00
	DFT-s-OFDM 256QAM	1	1	18.63	18.78	18.71	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134600	136100	137600	
20MHz	CP-OFDM QPSK	1	1	21.82	22.03	21.85	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134100	136100	138100	
15MHz	DFT-s-OFDM QPSK	1	1	22.84	23.05	22.90	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133600	136100	138600	
10MHz	DFT-s-OFDM QPSK	1	1	22.89	23.09	22.82	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133100	136100	139100	
5MHz	DFT-s-OFDM QPSK	1	1	22.87	23.08	22.88	24.50

N77 Part Q Ant2 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	1	1	/	21.91	/	23.00

	PI/2 BPSK	1	137	/	21.69	/	23.00
		1	271	/	21.81	/	23.00
		135	0	/	21.33	/	22.50
		135	69	/	21.59	/	23.00
		135	138	/	20.88	/	22.50
		270	0	/	20.91	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.99	/	23.00
		1	137	/	21.62	/	23.00
		1	271	/	21.72	/	23.00
		135	0	/	20.91	/	22.00
		135	69	/	21.78	/	23.00
		135	138	/	20.81	/	22.00
		270	0	/	20.89	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.97	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	19.44	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.66	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	20.46	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.37	21.37	21.31	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.35	21.30	21.32	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.27	21.39	21.39	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	21.36	21.31	21.40	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.37	21.30	21.39	23.00

N77 Part Q Ant2 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	1	1	/	19.32	/	20.50

	PI/2 BPSK	1	137	/	19.16	/	20.50
		1	271	/	19.15	/	20.50
		135	0	/	19.20	/	20.50
		135	69	/	19.05	/	20.50
		135	138	/	18.75	/	20.50
		270	0	/	18.75	/	20.50
	DFT-s-OFDM QPSK	1	1	/	19.46	/	20.50
		1	137	/	18.96	/	20.50
		1	271	/	19.16	/	20.50
		135	0	/	19.40	/	20.50
		135	69	/	19.44	/	20.50
		135	138	/	19.20	/	20.50
		270	0	/	19.43	/	20.50
	DFT-s-OFDM 16QAM	1	1	/	19.31	/	20.50
	DFT-s-OFDM 64QAM	1	1	/	19.34	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.59	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	17.84	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	18.85	18.78	18.74	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	18.69	18.68	18.79	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	18.69	18.71	18.87	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	18.72	18.74	18.79	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	18.79	18.61	18.77	20.50

N77 Part Q Ant2 Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500	/	

100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.89	/	17.00
		1	137	/	15.61	/	17.00
		1	271	/	15.70	/	17.00
		135	0	/	15.81	/	17.00
		135	69	/	15.54	/	17.00
		135	138	/	15.28	/	17.00
		270	0	/	15.30	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.87	/	17.00
		1	137	/	15.62	/	17.00
		1	271	/	15.62	/	17.00
		135	0	/	15.67	/	17.00
		135	69	/	15.84	/	17.00
		135	138	/	15.78	/	17.00
		270	0	/	15.75	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.80	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.84	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.78	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.36	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	15.11	15.06	15.15	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.16	15.19	15.19	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.08	15.01	15.09	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	15.13	15.02	15.20	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.13	15.07	15.16	17.00

N77 Part O Ant2 Full Power				Conducted Power(dBm)			
SCS 30kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	

100MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.72	21.89	21.84	23.00
		1	137	21.62	21.86	21.82	23.00
		1	271	21.65	21.83	21.75	23.00
		135	0	21.28	21.42	21.35	22.50
		135	69	21.67	21.81	21.74	23.00
		135	138	21.18	21.37	21.24	22.50
		270	0	21.19	21.33	21.29	22.50
	DFT-s-OFDM QPSK	1	1	21.69	21.91	21.87	23.00
		1	137	21.60	21.82	21.68	23.00
		1	271	21.69	21.86	21.82	23.00
		135	0	20.73	20.86	20.83	22.00
		135	69	21.66	21.82	21.67	23.00
		135	138	20.66	20.84	20.81	22.00
		270	0	20.51	20.72	20.60	22.00
	DFT-s-OFDM 16QAM	1	1	20.74	20.87	20.84	22.00
	DFT-s-OFDM 64QAM	1	1	19.26	19.51	19.37	20.50
	DFT-s-OFDM 256QAM	1	1	17.20	17.43	17.36	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	20.18	20.48	20.35	21.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 656000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	21.21	21.36	21.32	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 656000	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	21.15	21.44	21.44	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.19	21.39	21.38	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 647666	Channel 656000	Channel 664334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.17	21.44	21.36	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.24	21.37	21.41	23.00

N77 Part O Ant2 Receiver on				Conducted Power(dBm)			
SCS 30kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.05	19.26	18.98	20.50
		1	137	18.93	19.18	19.13	20.50
		1	271	18.98	19.22	19.19	20.50
		135	0	19.19	19.18	19.06	20.50
		135	69	18.97	19.14	19.19	20.50
		135	138	18.90	19.23	19.10	20.50
		270	0	19.01	19.20	19.19	20.50
	DFT-s-OFDM QPSK	1	1	19.12	19.29	19.24	20.50
		1	137	18.92	19.26	19.17	20.50
		1	271	19.08	19.21	19.23	20.50
		135	0	18.87	19.20	19.14	20.50
		135	69	19.16	19.27	19.21	20.50
		135	138	19.00	19.17	19.22	20.50
		270	0	18.98	19.11	19.09	20.50
	DFT-s-OFDM 16QAM	1	1	19.05	19.09	19.01	20.50
	DFT-s-OFDM 64QAM	1	1	18.83	19.10	19.03	20.50
	DFT-s-OFDM 256QAM	1	1	17.06	17.29	17.16	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	17.55	17.79	17.72	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	19.01	19.16	19.10	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	18.97	19.11	19.19	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	19.08	19.18	19.07	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647666	656000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	18.97	19.13	19.16	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	19.05	19.18	19.24	20.50

N77 Part O Ant2 Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3700~3980)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.67	15.74	15.77	17.00
		1	137	15.59	15.77	15.81	17.00
		1	271	15.50	15.77	15.73	17.00
		135	0	15.60	15.82	15.68	17.00
		135	69	15.56	15.62	15.59	17.00
		135	138	15.51	15.76	15.56	17.00
		270	0	15.56	15.70	15.72	17.00
	DFT-s-OFDM QPSK	1	1	15.66	15.85	15.68	17.00
		1	137	15.53	15.81	15.50	17.00
		1	271	15.51	15.73	15.73	17.00
		135	0	15.64	15.67	15.72	17.00
		135	69	15.61	15.80	15.48	17.00
		135	138	15.54	15.78	15.66	17.00
		270	0	15.55	15.79	15.48	17.00
	DFT-s-OFDM 16QAM	1	1	15.57	15.77	15.82	17.00
	DFT-s-OFDM 64QAM	1	1	15.35	15.74	15.70	17.00
	DFT-s-OFDM 256QAM	1	1	15.63	15.74	15.73	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	14.14	14.37	14.15	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	15.58	15.85	15.54	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	15.58	15.71	15.52	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	15.50	15.85	15.54	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647666	656000	664334	
30MHz	DFT-s-OFDM QPSK	1	1	15.63	15.66	15.53	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	15.57	15.81	15.48	17.00

N78 Part Q Ant2 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	/	21.72	/	23.00
		1	137	/	21.62	/	23.00
		1	271	/	21.66	/	23.00
		135	0	/	21.25	/	22.50
		135	69	/	21.63	/	23.00
		135	138	/	21.19	/	22.50
		270	0	/	21.21	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.89	/	23.00
		1	137	/	21.69	/	23.00
		1	271	/	21.58	/	23.00
		135	0	/	20.83	/	22.00
		135	69	/	21.83	/	23.00
		135	138	/	20.79	/	22.00
		270	0	/	20.81	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.76	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	19.24	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.49	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		20.39		21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	21.46	21.54	21.35	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.38	21.46	21.40	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	21.46	21.52	21.39	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.39	21.47	21.37	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	

50MHz	DFT-s-OFDM QPSK	1	1	21.41	21.53	21.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.42	21.53	21.34	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	21.45	21.55	21.39	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.47	21.55	21.42	23.00

N78 Part Q Ant2 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	/	19.17	/	20.50
		1	137	/	19.08	/	20.50
		1	271	/	19.12	/	20.50
		135	0	/	19.16	/	20.50
		135	69	/	19.03	/	20.50
		135	138	/	19.04	/	20.50
		270	0	/	19.05	/	20.50
	DFT-s-OFDM QPSK	1	1	/	19.29	/	20.50
		1	137	/	19.02	/	20.50
		1	271	/	18.92	/	20.50
		135	0	/	19.03	/	20.50
		135	69	/	19.26	/	20.50
		135	138	/	19.24	/	20.50
		270	0	/	19.10	/	20.50
	DFT-s-OFDM 16QAM	1	1	/	19.19	/	20.50
	DFT-s-OFDM 64QAM	1	1	/	19.04	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.32	/	18.50
	Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1		17.77		19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	18.89	18.97	18.80	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	

80MHz	DFT-s-OFDM QPSK	1	1	18.71	18.84	18.82	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	18.83	18.83	18.71	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	18.88	18.83	18.85	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	18.77	18.86	18.74	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	18.76	19.02	18.84	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	18.92	18.98	18.79	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	18.78	18.93	18.75	20.50

N78 Part Q Ant2 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	/	15.57	/	17.00
		1	137	/	15.46	/	17.00
		1	271	/	15.58	/	17.00
		135	0	/	15.70	/	17.00
		135	69	/	15.55	/	17.00
		135	138	/	15.50	/	17.00
		270	0	/	15.69	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.85	/	17.00
		1	137	/	15.55	/	17.00
		1	271	/	15.46	/	17.00
		135	0	/	15.73	/	17.00
		135	69	/	15.83	/	17.00
		135	138	/	15.77	/	17.00
		270	0	/	15.79	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.75	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.64	/	17.00

	DFT-s-OFDM 256QAM	1	1	/	15.81	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel /	Channel 633334	Channel /	Tune up
100MHz	CP-OFDM QPSK	1	1		14.20		15.50
Bandwidth	Modulation	RB size	RB offset	Channel 633000	Channel 633334	Channel 633668	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	15.40	15.53	15.28	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 632668	Channel 633334	Channel 634000	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	15.33	15.45	15.40	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 632334	Channel 633334	Channel 634334	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	15.30	15.37	15.21	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	15.28	15.33	15.30	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.37	15.51	15.30	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.39	15.49	15.32	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	15.35	15.50	15.21	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.37	15.51	15.36	17.00

N78 Part O Ant2 Full Power				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.85	/	23.00
		1	137	/	21.73	/	23.00
		1	271	/	21.82	/	23.00
		135	0	/	21.39	/	22.50
		135	69	/	21.76	/	23.00

		135	138	/	21.31	/	22.50
		270	0	/	21.33	/	22.50
	DFT-s-OFDM QPSK	1	1	/	21.88	/	23.00
		1	137	/	21.85	/	23.00
		1	271	/	21.73	/	23.00
		135	0	/	20.81	/	22.00
		135	69	/	21.80	/	23.00
		135	138	/	20.77	/	22.00
		270	0	/	20.79	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.81	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	19.38	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.45	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	20.39	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	21.40	21.52	21.37	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	21.43	21.53	21.43	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	21.39	21.50	21.35	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	21.41	21.52	21.43	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.36	21.51	21.38	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.38	21.54	21.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.39	21.51	21.44	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



20MHz	DFT-s-OFDM QPSK	1	1	21.40	21.48	21.39	23.00
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N78 Part O Ant2 Receiver on				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	19.18	/	20.50
		1	137	/	19.07	/	20.50
		1	271	/	19.31	/	20.50
		135	0	/	19.33	/	20.50
		135	69	/	19.09	/	20.50
		135	138	/	19.24	/	20.50
		270	0	/	19.26	/	20.50
	DFT-s-OFDM QPSK	1	1	/	19.29	/	20.50
		1	137	/	19.16	/	20.50
		1	271	/	19.08	/	20.50
		135	0	/	19.11	/	20.50
		135	69	/	19.23	/	20.50
		135	138	/	19.19	/	20.50
		270	0	/	19.13	/	20.50
	DFT-s-OFDM 16QAM	1	1	/	19.26	/	20.50
	DFT-s-OFDM 64QAM	1	1	/	19.33	/	20.50
	DFT-s-OFDM 256QAM	1	1	/	17.25	/	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	17.81	/	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	18.84	18.82	18.72	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	18.75	18.93	18.87	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	18.81	18.80	18.68	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	18.85	18.90	18.92	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	18.83	19.00	18.77	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	18.72	18.93	18.81	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	18.86	18.94	18.86	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	18.90	18.79	18.75	20.50

N78 Part O Ant2 Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.68	/	17.00
		1	137	/	15.61	/	17.00
		1	271	/	15.79	/	17.00
		135	0	/	15.85	/	17.00
		135	69	/	15.62	/	17.00
		135	138	/	15.64	/	17.00
		270	0	/	15.69	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.83	/	17.00
		1	137	/	15.70	/	17.00
		1	271	/	15.57	/	17.00
		135	0	/	15.78	/	17.00
		135	69	/	15.61	/	17.00
		135	138	/	15.63	/	17.00
		270	0	/	15.74	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.79	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.83	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.94	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	14.33	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	15.32	15.47	15.31	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.39	15.33	15.43	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	15.23	15.31	15.22	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	15.40	15.49	15.40	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	15.29	15.40	15.37	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	15.19	15.40	15.28	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	15.21	15.46	15.25	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	15.26	15.37	15.24	17.00

6. Conducted Power of WIFI

WIFI 2.4GHz SISO Ant1 Full Power					
Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.09	17.50
	6	2437		18.50	19.50
	11	2462		17.91	19.00
802.11g	1	2412	6	11.70	13.00
	6	2437		13.03	14.50
	11	2462		12.54	14.00
802.11n (HT20)	1	2412	MCS0	8.44	9.50
	6	2437		8.67	10.00
	11	2462		8.22	9.50
802.11n (HT40)	3	2422	MCS0	6.88	8.00
	6	2437		8.50	9.50
	9	2452		8.29	9.50

802.11ax (HEW20)	1	2412	MCS0	7.54	9.00
	6	2437		8.75	10.00
	11	2462		8.33	9.50
802.11ax (HEW40)	3	2422	MCS0	5.51	7.00
	6	2437		7.09	8.50
	9	2452		7.06	8.50

WIFI 2.4GHz SISO Ant1 Hotspot					
Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.09	17.50
	6	2437		16.39	17.50
	11	2462		16.36	17.50
802.11g	1	2412	6	11.70	13.00
	6	2437		13.03	14.50
	11	2462		12.54	14.00
802.11n (HT20)	1	2412	MCS0	8.44	9.50
	6	2437		8.67	10.00
	11	2462		8.22	9.50
802.11n (HT40)	3	2422	MCS0	6.88	8.00
	6	2437		8.50	9.50
	9	2452		8.29	9.50
802.11ax (HEW20)	1	2412	MCS0	7.54	9.00
	6	2437		8.75	10.00
	11	2462		8.33	9.50
802.11ax (HEW40)	3	2422	MCS0	5.51	7.00
	6	2437		7.09	8.50
	9	2452		7.06	8.50

WIFI 2.4GHz SISO Ant5 Full Power					
Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	15.54	17.00
	6	2437		18.12	19.50
	11	2462		17.78	19.00
802.11g	1	2412	6	11.54	13.00
	6	2437		12.92	14.00

	11	2462		12.56	14.00
802.11n (HT20)	1	2412	MCS0	7.76	9.00
	6	2437		8.58	10.00
	11	2462		8.11	9.50
802.11n (HT40)	3	2422	MCS0	6.75	8.00
	6	2437		8.11	9.50
	9	2452		7.86	9.00
802.11ax (HEW20)	1	2412	MCS0	6.85	8.00
	6	2437		8.52	10.00
	11	2462		8.31	9.50
802.11ax (HEW40)	3	2422	MCS0	5.53	7.00
	6	2437		6.78	8.00
	9	2452		6.45	7.50

WIFI 2.4GHz MIMO Full Power					
Mode	Channel	Frequency (MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
802.11b	1	2412	1	/	/
	6	2437		/	/
	11	2462		/	/
802.11g	1	2412	6	/	/
	6	2437		/	/
	11	2462		/	/
802.11n (HT20)	1	2412	MCS0	11.12	12.50
	6	2437		11.41	12.50
	11	2462		11.41	12.50
802.11n (HT40)	3	2422	MCS0	9.83	11.00
	6	2437		11.20	12.50
	9	2452		11.21	12.50
802.11ax (HEW20)	1	2412	MCS0	10.22	11.50
	6	2437		11.55	12.50
	11	2462		11.44	12.50
802.11ax (HEW40)	3	2422	MCS0	8.53	10.00
	6	2437		9.79	11.00
	9	2452		9.93	11.00

WIFI 5G					Ant 1		Ant5		MIMO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11a	U-	36	5180	6	16.23	17.00	15.90	17.00	/	/

	NII-1	40	5200		16.82	17.00	16.12	17.00	/	/
		48	5240		16.06	17.00	16.59	17.00	/	/
	U-NII-2A	52	5260		16.20	17.00	16.28	17.00	/	/
		60	5300		16.50	17.00	16.55	17.00	/	/
		64	5320		16.52	17.00	16.98	17.00	/	/
	U-NII-2C	100	5500		16.38	17.00	16.52	17.00	/	/
		116	5580		15.69	17.00	16.45	17.00	/	/
		140	5700		16.76	17.00	16.58	17.00	/	/
	U-NII-3	149	5745		16.80	17.00	16.74	17.00	/	/
		157	5785		16.81	17.00	16.78	17.00	/	/
		165	5825		16.68	17.00	16.86	17.00	/	/
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	12.52	14.00	12.51	14.00	15.53	16.50
		44	5220		13.11	14.00	13.00	14.00	16.07	17.00
		48	5240		13.05	14.00	13.03	14.00	16.05	17.00
	U-NII-2A	52	5260		12.46	14.00	12.24	14.00	15.36	16.50
		60	5300		12.62	14.00	12.64	14.00	15.64	17.00
		64	5320		12.69	14.00	12.57	14.00	15.64	17.00
	U-NII-2C	100	5500		12.78	14.00	13.72	14.00	16.29	17.50
		116	5580		12.96	14.00	13.66	14.00	16.33	17.50
		140	5700		12.86	14.00	13.30	14.00	16.10	17.50
	U-NII-3	149	5745		12.70	14.00	13.84	15.00	16.32	17.50
		157	5785		12.85	14.00	13.74	15.00	16.33	17.50
		165	5825		12.82	14.00	13.72	15.00	16.30	17.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	11.26	12.50	11.55	13.00	14.42	15.50
		46	5230		11.70	13.00	11.86	13.00	14.79	16.00
	U-NII-2A	54	5270		10.45	11.50	11.21	12.50	13.86	15.00
		62	5310		10.11	11.50	11.65	13.00	13.96	15.00
	U-NII-2C	102	5510		10.40	11.50	11.93	13.00	14.24	15.50
		110	5550		10.34	11.50	12.18	13.50	14.37	15.50
		134	5670		10.94	12.00	11.99	13.00	14.51	16.00
	U-NII-3	151	5755		10.83	12.00	11.50	12.50	14.19	15.50
		159	5795		11.43	12.50	12.57	14.00	15.05	16.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	10.98	12.00	11.38	12.50	14.19	15.50
		40	5200		11.44	12.50	11.94	13.00	14.71	16.00
		48	5240		11.93	13.00	12.37	13.50	15.17	16.50
	U-	52	5260		11.68	13.00	12.38	13.50	15.05	16.50

	NII-2A	60	5300		11.00	12.00	12.36	13.50	14.74	16.00
		64	5320		11.08	12.50	12.58	14.00	14.90	16.00
	U-NII-2C	100	5500		10.00	11.00	11.66	13.00	13.92	15.00
		116	5580		11.51	13.00	13.37	14.50	15.55	17.00
		140	5700		12.51	14.00	13.08	14.50	15.81	17.00
	U-NII-3	149	5745		12.28	13.50	13.01	14.50	15.67	17.00
		157	5785		12.56	14.00	13.68	15.00	16.17	17.50
		165	5825		12.85	14.00	13.72	15.00	16.32	17.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac-40	U-NII-1	38	5190	MCS0	11.38	12.50	11.60	13.00	14.50	16.00
		46	5230		11.73	13.00	11.94	13.00	14.85	16.00
	U-NII-2A	54	5270		10.55	12.00	11.43	12.50	14.02	15.50
		62	5310		10.18	11.50	11.71	13.00	14.02	15.50
	U-NII-2C	102	5510		9.34	10.50	11.03	12.50	13.28	14.50
		110	5550		10.33	11.50	12.33	13.50	14.45	15.50
		134	5670		10.91	12.00	12.13	13.50	14.57	16.00
	U-NII-3	151	5755		10.81	12.00	11.54	13.00	14.20	15.50
		159	5795		11.49	12.50	12.60	14.00	15.09	16.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	11.04	12.50	11.21	12.50	14.14	15.50
	U-NII-2A	58	5290		10.81	12.00	12.23	13.50	14.59	16.00
	U-NII-2C	106	5530		8.75	10.00	11.11	12.50	13.10	14.50
		122	5610		9.49	10.50	11.48	12.50	13.61	15.00
	U-NII-3	155	5775		10.21	11.50	11.37	12.50	13.84	15.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac 160M		50	5250	MCS0	7.65	9.00	9.90	11.00	11.93	13.00
		114	5570		8.50	9.50	9.14	10.50	11.84	13.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	8.95	10.00	9.45	10.50	12.22	13.50
		40	5200		9.42	10.50	9.90	11.00	12.68	14.00
		48	5240		10.14	11.50	10.69	12.00	13.43	14.50
	U-NII-2A	52	5260		9.84	11.00	10.67	12.00	13.29	14.50
		60	5300		9.02	10.50	10.62	12.00	12.90	14.00
		64	5320		9.25	10.50	10.98	12.00	13.21	14.50
	U-NII-2C	100	5500		9.10	10.50	10.83	12.00	13.06	14.50
		116	5580		10.72	12.00	12.59	14.00	14.77	16.00
		140	5700		11.61	13.00	12.39	13.50	15.03	16.50

	U-NII-3	149	5745		10.32	11.50	11.17	12.50	13.78	15.00
		157	5785		10.75	12.00	11.82	13.00	14.33	15.50
		165	5825		11.00	12.00	12.03	13.50	14.56	16.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-40	U-NII-1	38	5190	MCS0	9.90	11.00	10.16	11.50	13.04	14.50
		46	5230		10.31	11.50	10.49	11.50	13.41	14.50
	U-NII-2A	54	5270		10.19	11.50	10.95	12.00	13.60	15.00
		62	5310		8.68	10.00	10.11	11.50	12.46	13.50
	U-NII-2C	102	5510		10.00	11.00	11.55	13.00	13.85	15.00
		110	5550		11.02	12.50	12.81	14.00	15.02	16.50
		134	5670		11.71	13.00	12.63	14.00	15.20	16.50
	U-NII-3	151	5755		11.31	12.50	11.99	13.00	14.67	16.00
		159	5795		12.14	13.50	13.23	14.50	15.73	17.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax 80M	U-NII-1	42	5210	MCS0	10.99	12.00	11.02	12.50	14.02	15.50
	U-NII-2A	58	5290		9.63	11.00	10.96	12.00	13.36	14.50
	U-NII-2C	106	5530		8.66	10.00	10.87	12.00	12.91	14.00
	U-NII-2C	122	5610		9.40	10.50	11.32	12.50	13.48	14.50
	U-NII-3	155	5775		10.20	11.50	11.23	12.50	13.76	15.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax 160M		50	5250	MCS0	7.94	9.00	9.92	11.00	12.05	13.50
		114	5570		7.71	9.00	8.41	9.50	11.08	12.50

WIFI 5G Hotspot					Ant 1		Ant5		MIMO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	11.37	12.0	10.88	12.0	/	/
		40	5200		11.78	12.0	11.09	12.0	/	/
		48	5240		10.99	12.0	11.70	12.0	/	/
	U-NII-2A	52	5260						/	/
		60	5300						/	/
		64	5320						/	/
	U-NII-2C	100	5500						/	/
		116	5580						/	/
		140	5700						/	/
	U-	149	5745		13.29	14.0	13.12	14.0	/	/

	NII-3	157	5785		13.22	14.0	13.08	14.0	/	/
		165	5825		13.07	14.0	13.34	14.0	/	/
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	10.82	12.0	11.01	12.0	13.93	15.0
		44	5220		11.03	12.0	10.99	12.0	14.02	15.0
		48	5240		10.86	12.0	10.93	12.0	13.91	15.0
	U-NII-2A	52	5260							
		60	5300							
		64	5320							
	U-NII-2C	100	5500							
		116	5580							
		140	5700							
	U-NII-3	149	5745		9.49	10.50	9.73	11.00	12.62	14.00
		157	5785		9.63	11.00	9.79	11.00	12.72	14.00
		165	5825		9.61	11.00	9.57	11.00	12.60	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	10.78	12.00	10.74	12.00	13.77	15.00
		46	5230		10.57	12.00	10.68	12.00	13.64	15.00
	U-NII-2A	54	5270							
		62	5310							
	U-NII-2C	102	5510							
		110	5550							
		134	5670							
	U-NII-3	151	5755		9.49	11.00	9.49	11.00	12.50	14.00
		159	5795		9.53	11.00	9.39	11.00	12.47	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac-20	U-NII-1	36	5180	MCS0	10.51	12.00	10.59	12.00	13.56	15.00
		40	5200		10.63	12.00	10.68	12.00	13.67	15.00
		48	5240		10.55	12.00	10.50	11.50	13.54	15.00
	U-NII-2A	52	5260							
		60	5300							
		64	5320							
	U-NII-2C	100	5500							
		116	5580							
		140	5700							
	U-NII-3	149	5745		9.59	11.00	9.59	11.00	12.60	14.00
		157	5785		9.54	11.00	9.55	11.00	12.56	14.00
		165	5825		9.66	11.00	9.73	11.00	12.71	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power	Tune up	Average Power	Tune up	Average Power	Tune up

					(dBm)		(dBm)		(dBm)	
802.11ac-40	U-NII-1	38	5190	MCS0	10.41	12.00	10.44	12.00	13.44	15.00
		46	5230		10.60	12.00	10.72	12.00	13.67	15.00
	U-NII-2A	54	5270							
		62	5310							
	U-NII-2C	102	5510							
		110	5550							
		134	5670							
	U-NII-3	151	5755		9.51	11.00	9.67	11.00	12.60	14.00
		159	5795		9.53	11.00	9.48	11.00	12.52	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac 80M	U-NII-1	42	5210	MCS0	10.50	12.00	10.57	12.00	13.55	15.00
	U-NII-2A	58	5290							
	U-NII-2C	106	5530							
	U-NII-2C	122	5610							
	U-NII-3	155	5775		9.64	11.00	9.74	11.00	12.70	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac 160M		50	5250	MCS0	7.65	9.00	9.90	11.00	11.93	13.00
		114	5570							
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-20	U-NII-1	36	5180	MCS0	8.95	10.00	9.45	10.50	12.22	13.50
		40	5200		9.42	10.50	9.90	11.00	12.68	14.00
		48	5240		10.14	11.50	10.69	12.00	13.43	14.50
	U-NII-2A	52	5260							
		60	5300							
		64	5320							
	U-NII-2C	100	5500							
		116	5580							
		140	5700							
	U-NII-3	149	5745		10.32	11.50	11.17	12.50	13.78	14.00
		157	5785		10.75	12.00	11.82	13.00	14.33	14.00
		165	5825		11.00	12.00	12.03	13.50	14.56	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-40	U-NII-1	38	5190	MCS0	9.90	11.00	10.16	11.50	13.04	14.50
		46	5230		10.31	11.50	10.49	11.50	13.41	14.50
	U-	54	5270							

	NII-2A	62	5310							
	U-NII-2C	102	5510							
		110	5550							
		134	5670							
	U-NII-3	151	5755		11.31	12.50	11.99	13.00	14.67	14.00
		159	5795		12.14	13.50	13.23	14.50	15.73	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax 80M	U-NII-1	42	5210	MCS0	10.99	12.00	11.02	12.50	14.02	15.00
	U-NII-2A	58	5290							
	U-NII-2C	106	5530							
	U-NII-2C	122	5610							
	U-NII-3	155	5775		10.20	11.50	11.23	12.50	13.76	14.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax 160M		50	5250	MCS0	7.94	9.00	9.92	11.00	12.05	13.50
		114	5570							

WIFI 6E				ANT1		ANT5		MIMO	
mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	ANT2	Tune up	MIMO	Tune up
802.11ax (HE20)	3	5955	MCS0	3.8	5.0	2.28	3.5	6.12	7.5
	99	6435		2.91	4.0	3.86	5.0	6.42	7.5
	147	6535		3.44	4.5	4.68	6.0	7.11	8.5
	195	6895		2.45	3.5	1.54	3.0	5.03	6.5
	233	7115		3.63	5.0	4.27	5.5	6.97	8.0
	185	6875		4.73	6.0	3	4.0	6.96	8.0
802.11ax (HE40)	3	5965	MCS0	4.48	5.5	3.03	4.5	6.83	8.0
	99	6445		2.52	4.0	4.44	5.5	6.60	8.0
	147	6685		5.22	6.5	6.62	8.0	8.99	10.0
	195	6925		4.4	5.5	6.22	7.5	8.41	9.5
	227	7085		4.3	5.5	4.63	6.0	7.48	8.5
	115	6525		4.81	6.0	5.79	7.0	8.34	9.5
802.11ax (HE80)	187	6885	MCS0	6.03	7.5	4.16	5.5	8.21	9.5
	7	5985		3.83	5.0	3.23	4.5	6.55	8.0
	103	6465		3.09	4.5	4.39	5.5	6.80	8.0
	151	6705		3.62	5.0	5.76	7.0	7.83	9.0
	199	6945		2.89	4.0	4.79	6.0	6.95	8.0
	215	7025		2.61	4.0	3.94	5.0	6.34	7.5
802.11ax (HE160)	119	6545	MCS0	3.81	5.0	5.14	6.5	7.54	9.0
	183	6865		4.93	6.0	3.44	4.5	7.26	8.5
	15	6025		1.63	3.0	1.31	2.5	4.48	5.5
	47	6185		1.21	2.5	0.99	2.0	4.11	5.5
	99	6345		1.49	2.5	1.77	3.0	4.64	6.0
	143	6665		1.42	2.5	1.91	3.0	4.68	6.0

	207	6985		0.58	2.0	2.68	4.0	4.77	6.0
	111	6505		1.95	3.0	2.93	4.0	5.48	6.5
	175	6825		2.17	3.5	3.05	4.5	5.64	7.0

7. Conducted Power of Bluetooth

BT ANT1			Average Conducted Power (dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	12.79	14.00
	39	2441	13.94	15.00
	78	2480	12.90	14.00
$\pi/4$ DQPSK	0	2402	11.97	13.00
	39	2441	13.21	14.50
	78	2480	12.07	13.50
8DPSK	0	2402	11.98	13.00
	39	2441	13.23	14.50
	78	2480	12.11	13.50
BLE_1Mbps			Average Conducted Power (dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	4.52	6.00
	19	2440	5.94	7.00
	39	2480	4.71	6.00
BLE_2Mbps			Average Conducted Power (dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	4.58	6.00
	19	2440	6.05	7.50
	39	2480	4.81	6.00

BT ANT5			Average Conducted Power (dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	12.48	13.50
	39	2441	13.63	15.00
	78	2480	12.38	13.50
$\pi/4$ DQPSK	0	2402	11.62	13.00
	39	2441	12.79	14.00
	78	2480	11.46	12.50
8DPSK	0	2402	11.83	13.00



	39	2441	12.99	14.00
	78	2480	11.69	13.00
BLE_1Mbps			Average Conducted Power (dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	4.51	6.00
	19	2440	5.75	7.00
	39	2480	4.49	5.50
BLE_2Mbps			Average Conducted Power (dBm)	Tune up (dBm)
Modulation	Channel	Frequency(MHz)		
GFSK	0	2402	4.60	6.00
	19	2440	5.86	7.00
	39	2480	4.64	6.00