

Appendix E

Conducted RF Output Power

1 Conducted Power

1.1 Conducted Power of WCDMA

WCDMA Band II Receiver on Receiver off Hotspot on Hotspot off					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.12	22.10	22.17	22.50
HSUPA	Subtest 1	20.98	21.00	20.89	21.50
	Subtest 2	20.86	20.97	20.96	21.50
	Subtest 3	20.91	20.85	20.88	21.50
	Subtest 4	20.94	20.89	20.94	21.50
	Subtest 5	21.05	21.10	21.11	21.50
DC-HSDPA	Subtest 1	21.44	21.38	21.49	22.00
	Subtest 2	21.35	21.30	21.41	22.00
	Subtest 3	21.26	21.19	21.38	22.00
	Subtest 4	21.30	21.20	21.29	22.00
HSPA+	16QAM	20.97	21.01	21.03	21.50

WCDMA Band IV Receiver on Receiver off Hotspot on Hotspot off					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.62	22.60	22.66	23.00
HSUPA	Subtest 1	21.35	21.29	21.40	22.00
	Subtest 2	21.42	21.33	21.29	22.00
	Subtest 3	21.38	21.19	21.25	22.00
	Subtest 4	21.25	21.28	21.30	22.00
	Subtest 5	21.53	21.48	21.51	22.00
DC-HSDPA	Subtest 1	21.95	21.89	21.93	22.50
	Subtest 2	21.88	21.80	21.86	22.50
	Subtest 3	21.90	21.76	21.80	22.50
	Subtest 4	21.77	21.82	21.73	22.50
HSPA+	16QAM	21.40	21.37	21.26	22.00
WCDMA Band IV Hotspot on					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.63	21.62	21.65	22.00
HSUPA	Subtest 1	20.34	20.25	20.38	21.00
	Subtest 2	20.41	20.29	20.30	21.00
	Subtest 3	20.38	20.19	20.26	21.00
	Subtest 4	20.26	20.30	20.32	21.00
	Subtest 5	20.49	20.46	20.49	21.00
DC-HSDPA	Subtest 1	20.91	20.91	20.93	21.50
	Subtest 2	20.83	20.77	20.81	21.50
	Subtest 3	20.81	20.73	20.80	21.50
	Subtest 4	20.77	20.79	20.74	21.50
HSPA+	16QAM	20.42	20.39	20.27	21.00

WCDMA Band V Receiver on Receiver off Hotspot on Hotspot off					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.52	22.44	22.47	23.00
HSUPA	Subtest 1	21.25	21.32	21.29	22.00
	Subtest 2	21.30	21.29	21.16	22.00
	Subtest 3	21.19	21.11	21.20	22.00
	Subtest 4	21.34	21.19	21.17	22.00
	Subtest 5	21.37	21.41	21.42	22.00
DC-HSDPA	Subtest 1	21.96	21.88	21.90	22.50
	Subtest 2	21.85	21.77	21.81	22.50
	Subtest 3	21.79	21.72	21.69	22.50
	Subtest 4	21.83	21.84	21.73	22.50
HSPA+	16QAM	21.26	21.35	21.29	22.00

1.2 Conducted Power of LTE Ant0

LTE Band 2 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	24.16	24.07	24.25	24.50
		1	2	24.07	24.01	24.06	24.50
		1	5	24.05	24.00	24.08	24.50
		3	0	24.11	24.13	24.23	24.50
		3	2	24.05	24.09	24.09	24.50
		3	3	24.07	24.09	24.13	24.50
		6	0	22.99	23.02	23.07	23.50
	16QAM	1	0	22.96	22.87	22.97	23.50
		1	2	22.96	22.85	22.83	23.50
		1	5	22.87	23.04	22.97	23.50
		3	0	22.89	22.86	22.93	23.50
		3	2	22.98	22.92	22.92	23.50
		3	3	22.87	22.92	23.02	23.50
		6	0	22.09	22.08	22.10	22.50
	64QAM	1	0	22.23	22.27	22.26	22.50
		1	2	22.28	22.39	22.33	22.50
		1	5	22.23	22.41	22.39	22.50
		3	0	22.24	22.27	22.28	22.50
		3	2	22.38	22.35	22.43	22.50
		3	3	22.27	22.40	22.38	22.50
		6	0	21.22	21.15	21.19	21.50
	256QAM	1	0	19.33	19.38	19.24	19.50
		1	2	19.41	19.42	19.47	19.50
		1	5	19.44	19.34	19.37	19.50
		3	0	19.19	19.07	19.15	19.50
		3	2	19.21	19.13	19.14	19.50
		3	3	19.16	19.18	19.13	19.50
		6	0	19.25	19.13	19.25	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	24.14	24.15	24.24	24.50
		1	7	24.05	24.14	24.05	24.50
		1	14	24.05	24.03	24.15	24.50
		8	0	23.02	22.97	23.02	23.50
		8	4	22.94	22.90	23.01	23.50
		8	7	22.99	23.07	23.02	23.50
		15	0	23.03	23.04	23.12	23.50
	16QAM	1	0	22.87	22.86	22.90	23.50
		1	7	22.90	22.91	22.97	23.50
		1	14	23.01	22.99	22.99	23.50
		8	0	21.98	21.98	22.05	22.50
		8	4	22.09	21.96	22.06	22.50
		8	7	22.06	22.04	22.04	22.50
		15	0	22.06	22.12	22.12	22.50
	64QAM	1	0	22.37	22.36	22.36	22.50
		1	7	22.40	22.33	22.43	22.50
		1	14	22.35	22.31	22.39	22.50
		8	0	21.06	20.96	21.09	21.50
		8	4	21.05	21.17	21.12	21.50
		8	7	21.10	20.97	21.10	21.50
		15	0	21.23	21.19	21.25	21.50
	256QAM	1	0	19.28	19.34	19.36	19.50
		1	7	19.41	19.45	19.35	19.50
		1	14	19.31	19.38	19.42	19.50
		8	0	19.09	19.12	19.13	19.50
		8	4	19.21	19.20	19.11	19.50
		8	7	19.24	19.03	19.21	19.50
		15	0	19.24	19.13	19.27	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	24.14	24.12	24.28	24.50
		1	13	24.01	24.07	24.14	24.50
		1	24	24.02	23.99	24.06	24.50
		12	0	22.92	22.98	22.99	23.50
		12	6	23.00	22.97	23.05	23.50

		12	13	23.00	23.07	23.05	23.50
		25	0	23.02	23.03	23.05	23.50
	16QAM	1	0	22.84	22.85	23.04	23.50
		1	13	22.94	22.90	22.92	23.50
		1	24	22.95	22.90	22.95	23.50
		12	0	21.97	22.07	21.99	22.50
		12	6	22.07	22.04	22.07	22.50
		12	13	22.09	22.16	22.09	22.50
		25	0	22.05	22.13	22.03	22.50
	64QAM	1	0	22.30	22.36	22.37	22.50
		1	13	22.28	22.30	22.36	22.50
		1	24	22.34	22.34	22.38	22.50
		12	0	21.05	21.10	21.03	21.50
		12	6	20.95	21.17	21.11	21.50
		12	13	21.16	21.12	21.16	21.50
		25	0	21.21	21.22	21.14	21.50
	256QAM	1	0	19.36	19.33	19.31	19.50
		1	13	19.33	19.38	19.42	19.50
		1	24	19.44	19.32	19.44	19.50
		12	0	19.19	19.05	19.21	19.50
		12	6	19.16	19.23	19.25	19.50
		12	13	19.11	19.07	19.19	19.50
		25	0	19.22	19.21	19.35	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	24.11	24.12	24.26	24.50
		1	25	24.05	24.03	24.16	24.50
		1	49	24.14	24.12	24.15	24.50
		25	0	22.93	23.08	23.05	23.50
		25	13	22.99	22.97	23.07	23.50
		25	25	23.05	23.10	23.10	23.50
		50	0	22.96	23.15	23.15	23.50
	16QAM	1	0	22.83	22.96	22.97	23.50
		1	25	22.93	22.95	22.83	23.50
		1	49	22.92	23.01	23.02	23.50
		25	0	21.98	22.00	22.07	22.50
		25	13	21.94	21.95	22.07	22.50
		25	25	22.06	22.09	22.07	22.50
		50	0	22.04	22.09	22.14	22.50
	64QAM	1	0	22.28	22.38	22.29	22.50
		1	25	22.38	22.29	22.46	22.50
		1	49	22.22	22.35	22.39	22.50
		25	0	21.09	21.07	21.07	21.50
		25	13	20.90	21.15	21.00	21.50
		25	25	21.09	21.09	21.04	21.50
		50	0	21.17	21.24	21.18	21.50
	256QAM	1	0	19.29	19.24	19.27	19.50
		1	25	19.36	19.44	19.43	19.50
		1	49	19.34	19.35	19.44	19.50
		25	0	19.10	19.17	19.13	19.50
		25	13	19.13	19.19	19.19	19.50
		25	25	19.21	19.04	19.19	19.50
		50	0	19.21	19.12	19.24	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	24.15	24.01	24.30	24.50
		1	38	24.08	24.09	24.13	24.50
		1	74	24.02	24.06	24.15	24.50
		36	0	22.95	22.97	23.00	23.50
		36	18	23.08	23.03	23.04	23.50
		36	39	23.04	23.04	23.09	23.50
		75	0	22.98	23.16	23.05	23.50
	16QAM	1	0	22.82	22.96	22.96	23.50
		1	38	22.97	22.94	22.83	23.50
		1	74	22.98	22.98	22.96	23.50
		36	0	22.11	21.93	22.08	22.50
		36	18	21.94	22.01	22.01	22.50
		36	39	22.09	22.16	22.08	22.50
		75	0	22.08	22.11	22.04	22.50
	64QAM	1	0	22.31	22.39	22.37	22.50
		1	38	22.30	22.40	22.35	22.50
		1	74	22.35	22.39	22.34	22.50

		36	0	21.06	21.04	21.09	21.50
		36	18	21.03	21.10	21.05	21.50
		36	39	21.18	21.02	21.03	21.50
		75	0	21.24	21.24	21.15	21.50
	256QAM	1	0	19.31	19.34	19.24	19.50
		1	38	19.43	19.49	19.39	19.50
		1	74	19.31	19.42	19.40	19.50
		36	0	19.18	19.08	19.16	19.50
		36	18	19.18	19.21	19.15	19.50
		36	39	19.19	19.06	19.21	19.50
		75	0	19.16	19.25	19.33	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
20MHz	QPSK	1	0	24.14	24.10	24.32	24.50
		1	50	24.04	24.09	24.13	24.50
		1	99	24.11	24.07	24.11	24.50
		50	0	23.01	23.04	23.06	23.50
		50	25	23.04	23.00	23.06	23.50
		50	50	23.07	23.05	23.09	23.50
		100	0	23.06	23.12	23.13	23.50
	16QAM	1	0	22.92	22.93	22.99	23.50
		1	50	22.94	22.91	22.93	23.50
		1	99	22.97	23.00	23.04	23.50
		50	0	22.06	22.03	22.07	22.50
		50	25	22.04	22.01	22.06	22.50
		50	50	22.08	22.14	22.09	22.50
		100	0	22.09	22.09	22.13	22.50
	64QAM	1	0	22.33	22.37	22.36	22.50
		1	50	22.38	22.35	22.43	22.50
		1	99	22.30	22.39	22.35	22.50
		50	0	21.13	21.05	21.08	21.50
		50	25	21.00	21.13	21.10	21.50
		50	50	21.15	21.07	21.11	21.50
		100	0	21.21	21.21	21.23	21.50
	256QAM	1	0	19.36	19.34	19.31	19.50
		1	50	19.39	19.44	19.44	19.50
		1	99	19.39	19.40	19.49	19.50
		50	0	19.15	19.12	19.21	19.50
		50	25	19.19	19.19	19.20	19.50
		50	50	19.20	19.13	19.17	19.50
		100	0	19.24	19.22	19.30	19.50

LTE Band 2 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	22.09	22.13	22.13	22.50
		1	2	22.11	22.19	22.09	22.50
		1	5	21.97	22.01	22.10	22.50
		3	0	22.03	22.07	22.04	22.50
		3	2	22.01	22.18	22.09	22.50
		3	3	22.03	21.97	22.03	22.50
		6	0	21.04	21.23	21.14	21.50
	16QAM	1	0	21.44	21.34	21.33	21.50
		1	2	21.34	21.41	21.26	21.50
		1	5	21.36	21.38	21.48	21.50
		3	0	21.47	21.34	21.38	21.50
		3	2	21.32	21.32	21.21	21.50
		3	3	21.42	21.46	21.50	21.50
		6	0	20.25	20.20	20.10	20.50
	64QAM	1	0	20.50	20.50	20.45	20.50
		1	2	20.36	20.43	20.35	20.50
		1	5	20.41	20.35	20.25	20.50
		3	0	20.42	20.46	20.38	20.50
		3	2	20.35	20.34	20.36	20.50
		3	3	20.42	20.29	20.24	20.50
		6	0	19.07	19.25	19.22	19.50
	256QAM	1	0	17.31	17.37	17.35	17.50
		1	2	17.29	17.37	17.26	17.50
		1	5	17.41	17.32	17.37	17.50
		3	0	17.28	17.21	17.17	17.50
		3	2	17.23	17.19	17.14	17.50

		3	3	17.30	17.23	17.24	17.50
		6	0	17.21	17.31	17.27	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	22.04	22.10	22.14	22.50
		1	7	22.06	22.15	22.17	22.50
		1	14	22.07	21.96	22.05	22.50
		8	0	21.13	21.06	21.14	21.50
		8	4	21.03	21.09	21.09	21.50
		8	7	21.01	21.08	21.17	21.50
	16QAM	15	0	21.12	21.09	21.18	21.50
		1	0	21.41	21.35	21.32	21.50
		1	7	21.25	21.34	21.24	21.50
		1	14	21.41	21.40	21.43	21.50
		8	0	20.19	20.14	20.25	20.50
		8	4	20.22	20.23	20.16	20.50
	64QAM	8	7	20.15	20.27	20.25	20.50
		15	0	20.23	20.18	20.10	20.50
		1	0	20.32	20.31	20.44	20.50
		1	7	20.31	20.37	20.34	20.50
		1	14	20.33	20.38	20.30	20.50
		8	0	19.17	19.31	19.24	19.50
	256QAM	8	4	19.28	19.22	19.30	19.50
		8	7	19.33	19.32	19.29	19.50
		15	0	19.10	19.30	19.21	19.50
		1	0	17.31	17.34	17.28	17.50
		1	7	17.33	17.23	17.22	17.50
		1	14	17.31	17.31	17.31	17.50
5MHz	QPSK	8	0	17.30	17.29	17.23	17.50
		8	4	17.21	17.25	17.25	17.50
		8	7	17.19	17.17	17.22	17.50
		15	0	17.29	17.29	17.31	17.50
	16QAM	1	0	22.07	22.14	22.13	22.50
		1	13	22.15	22.13	22.13	22.50
		1	24	22.04	22.07	22.10	22.50
		12	0	21.05	21.05	21.03	21.50
		12	6	20.97	21.12	20.98	21.50
		12	13	21.11	21.12	21.20	21.50
	64QAM	25	0	21.12	21.13	21.22	21.50
		1	0	21.42	21.34	21.29	21.50
		1	13	21.27	21.35	21.23	21.50
		1	24	21.47	21.34	21.45	21.50
		12	0	20.27	20.28	20.20	20.50
		12	6	20.07	20.17	20.14	20.50
	256QAM	12	13	20.16	20.24	20.19	20.50
		25	0	20.26	20.15	20.17	20.50
		1	0	20.50	20.38	20.38	20.50
		1	13	20.26	20.33	20.33	20.50
		1	24	20.33	20.42	20.23	20.50
		12	0	19.11	19.27	19.21	19.50
10MHz	QPSK	12	6	19.35	19.22	19.26	19.50
		12	13	19.35	19.23	19.23	19.50
		25	0	19.17	19.18	19.24	19.50
		1	0	17.32	17.36	17.28	17.50
		1	13	17.26	17.28	17.27	17.50
		1	24	17.34	17.32	17.37	17.50
	16QAM	12	0	17.24	17.23	17.28	17.50
		12	6	17.22	17.19	17.16	17.50
		12	13	17.31	17.30	17.10	17.50
		25	0	17.19	17.35	17.33	17.50
	QPSK	1	0	22.02	22.13	22.14	22.50
		1	25	22.13	22.15	22.11	22.50
		1	49	22.07	22.03	22.10	22.50
		25	0	21.08	21.08	21.06	21.50
		25	13	20.97	21.05	21.09	21.50
		25	25	21.06	21.07	21.13	21.50
	16QAM	50	0	21.03	21.22	21.12	21.50
		1	0	21.38	21.37	21.43	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	

		1	25	21.24	21.36	21.22	21.50
		1	49	21.35	21.47	21.43	21.50
		25	0	20.17	20.21	20.31	20.50
		25	13	20.15	20.18	20.17	20.50
		25	25	20.16	20.25	20.23	20.50
		50	0	20.27	20.23	20.25	20.50
	64QAM	1	0	20.42	20.43	20.37	20.50
		1	25	20.35	20.44	20.43	20.50
		1	49	20.39	20.39	20.35	20.50
		25	0	19.23	19.23	19.21	19.50
		25	13	19.36	19.19	19.22	19.50
		25	25	19.28	19.24	19.31	19.50
		50	0	19.14	19.19	19.25	19.50
	256QAM	1	0	17.40	17.38	17.36	17.50
		1	25	17.31	17.27	17.21	17.50
		1	49	17.33	17.30	17.27	17.50
		25	0	17.28	17.18	17.17	17.50
		25	13	17.27	17.34	17.22	17.50
		25	25	17.31	17.20	17.14	17.50
		50	0	17.26	17.26	17.24	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.03	22.14	22.09	22.50
		1	38	22.17	22.16	22.19	22.50
		1	74	22.03	22.03	21.99	22.50
		36	0	21.11	21.16	21.16	21.50
		36	18	20.98	21.04	21.09	21.50
		36	39	21.06	21.08	21.16	21.50
		75	0	21.11	21.11	21.19	21.50
	16QAM	1	0	21.33	21.39	21.35	21.50
		1	38	21.24	21.39	21.25	21.50
		1	74	21.43	21.32	21.37	21.50
		36	0	20.18	20.15	20.19	20.50
		36	18	20.12	20.17	20.15	20.50
		36	39	20.10	20.31	20.19	20.50
		75	0	20.25	20.16	20.24	20.50
	64QAM	1	0	20.41	20.39	20.44	20.50
		1	38	20.25	20.38	20.29	20.50
		1	74	20.42	20.40	20.36	20.50
		36	0	19.12	19.23	19.32	19.50
		36	18	19.36	19.18	19.32	19.50
		36	39	19.28	19.21	19.34	19.50
		75	0	19.07	19.25	19.18	19.50
	256QAM	1	0	17.32	17.42	17.40	17.50
		1	38	17.39	17.35	17.32	17.50
		1	74	17.35	17.32	17.39	17.50
		36	0	17.18	17.19	17.14	17.50
		36	18	17.21	17.26	17.16	17.50
		36	39	17.21	17.30	17.22	17.50
		75	0	17.21	17.27	17.24	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	22.11	22.16	22.09	22.50
		1	50	22.15	22.19	22.20	22.50
		1	99	22.04	22.06	22.09	22.50
		50	0	21.10	21.15	21.12	21.50
		50	25	21.04	21.14	21.06	21.50
		50	50	21.11	21.16	21.17	21.50
		100	0	21.09	21.19	21.20	21.50
	16QAM	1	0	21.42	21.43	21.39	21.50
		1	50	21.32	21.38	21.30	21.50
		1	99	21.44	21.42	21.47	21.50
		50	0	20.24	20.24	20.27	20.50
		50	25	20.17	20.21	20.16	20.50
		50	50	20.19	20.27	20.29	20.50
		100	0	20.29	20.25	20.20	20.50
	64QAM	1	0	20.49	20.47	20.40	20.50
		1	50	20.34	20.43	20.39	20.50
		1	99	20.43	20.39	20.31	20.50
		50	0	19.21	19.26	19.28	19.50
		50	25	19.31	19.28	19.30	19.50
		50	50	19.31	19.31	19.29	19.50

		100	0	19.17	19.27	19.21	19.50
	256QAM	1	0	17.39	17.42	17.36	17.50
		1	50	17.35	17.33	17.30	17.50
		1	99	17.38	17.34	17.36	17.50
		50	0	17.26	17.25	17.23	17.50
		50	25	17.28	17.29	17.20	17.50
		50	50	17.28	17.26	17.20	17.50
		100	0	17.25	17.30	17.32	17.50

LTE Band 4 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	23.97	23.99	23.89	24.50
		1	2	24.10	24.07	24.06	24.50
		1	5	24.08	24.14	23.98	24.50
		3	0	24.02	23.97	23.95	24.50
		3	2	24.13	24.07	24.11	24.50
		3	3	24.06	24.05	23.96	24.50
		6	0	22.98	23.02	22.90	23.50
	16QAM	1	0	23.37	23.30	23.31	23.50
		1	2	23.26	23.19	23.25	23.50
		1	5	22.91	22.95	22.90	23.50
		3	0	23.30	23.25	23.26	23.50
		3	2	23.23	23.26	23.30	23.50
		3	3	22.95	22.97	22.85	23.50
		6	0	21.97	22.12	22.06	22.50
	64QAM	1	0	22.31	22.41	22.33	22.50
		1	2	22.45	22.41	22.40	22.50
		1	5	22.37	22.50	22.40	22.50
		3	0	22.35	22.40	22.30	22.50
		3	2	22.36	22.46	22.40	22.50
		3	3	22.50	22.50	22.29	22.50
		6	0	21.19	21.26	21.36	21.50
	256QAM	1	0	19.27	19.16	19.25	19.50
		1	2	19.32	19.23	19.34	19.50
		1	5	19.18	19.25	19.31	19.50
		3	0	18.92	18.89	18.97	19.50
		3	2	19.06	18.93	18.85	19.50
		3	3	19.05	18.92	19.06	19.50
		6	0	19.22	19.18	19.16	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 19965	Channel 20175	Channel 20385	Tune up
3MHz	QPSK	1	0	24.04	24.02	23.94	24.50
		1	7	24.09	24.05	23.99	24.50
		1	14	24.08	24.03	24.07	24.50
		8	0	22.86	22.85	22.81	23.50
		8	4	22.91	22.93	22.97	23.50
		8	7	22.97	22.94	22.89	23.50
		15	0	23.09	23.05	22.89	23.50
	16QAM	1	0	23.28	23.20	23.26	23.50
		1	7	23.25	23.19	23.30	23.50
		1	14	22.90	23.07	22.86	23.50
		8	0	21.82	21.79	21.72	22.50
		8	4	21.94	22.04	21.90	22.50
		8	7	21.93	21.85	21.90	22.50
		15	0	22.11	22.02	22.06	22.50
	64QAM	1	0	22.44	22.36	22.24	22.50
		1	7	22.34	22.44	22.42	22.50
		1	14	22.45	22.41	22.32	22.50
		8	0	20.80	20.99	20.83	21.50
		8	4	20.97	20.88	21.02	21.50
		8	7	21.05	20.90	21.08	21.50
		15	0	21.32	21.31	21.25	21.50
	256QAM	1	0	19.32	19.19	19.31	19.50
		1	7	19.23	19.30	19.25	19.50
		1	14	19.18	19.25	19.30	19.50
		8	0	18.92	19.00	18.95	19.50
		8	4	18.97	19.01	18.93	19.50
		8	7	18.99	18.96	19.11	19.50

		15	0	19.15	19.27	19.07	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.98	24.01	23.93	24.50
		1	13	24.13	24.08	24.02	24.50
		1	24	24.01	24.09	23.95	24.50
		12	0	22.82	22.82	22.92	23.50
		12	6	22.99	22.87	22.95	23.50
		12	13	22.96	22.91	22.87	23.50
		25	0	23.12	23.07	22.87	23.50
	16QAM	1	0	23.40	23.27	23.33	23.50
		1	13	23.22	23.27	23.21	23.50
		1	24	22.98	22.98	22.97	23.50
		12	0	21.81	21.87	21.79	22.50
		12	6	21.95	21.94	21.90	22.50
		12	13	21.94	21.82	21.90	22.50
		25	0	22.02	22.11	22.07	22.50
	64QAM	1	0	22.35	22.37	22.33	22.50
		1	13	22.47	22.37	22.36	22.50
		1	24	22.42	22.45	22.44	22.50
		12	0	20.88	20.87	20.87	21.50
		12	6	21.04	20.86	20.97	21.50
		12	13	21.00	21.02	21.11	21.50
		25	0	21.20	21.29	21.30	21.50
	256QAM	1	0	19.23	19.20	19.29	19.50
		1	13	19.23	19.32	19.30	19.50
		1	24	19.19	19.21	19.32	19.50
		12	0	18.90	18.91	18.93	19.50
		12	6	18.97	18.91	18.96	19.50
		12	13	18.99	19.06	19.08	19.50
		25	0	19.16	19.24	19.09	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	24.02	23.97	23.97	24.50
		1	25	24.11	24.10	23.97	24.50
		1	49	24.12	24.06	24.00	24.50
		25	0	22.80	22.92	22.89	23.50
		25	13	22.93	22.91	22.90	23.50
		25	25	22.97	22.92	22.95	23.50
		50	0	23.09	23.02	22.93	23.50
	16QAM	1	0	23.39	23.25	23.35	23.50
		1	25	23.21	23.22	23.27	23.50
		1	49	22.93	23.04	22.96	23.50
		25	0	21.81	21.79	21.84	22.50
		25	13	21.89	21.99	21.88	22.50
		25	25	21.94	21.91	21.85	22.50
		50	0	21.98	22.12	22.01	22.50
	64QAM	1	0	22.37	22.29	22.24	22.50
		1	25	22.37	22.41	22.41	22.50
		1	49	22.45	22.46	22.30	22.50
		25	0	20.83	20.93	20.87	21.50
		25	13	21.06	20.93	20.96	21.50
		25	25	21.00	20.87	21.01	21.50
		50	0	21.30	21.31	21.31	21.50
	256QAM	1	0	19.25	19.20	19.23	19.50
		1	25	19.31	19.22	19.32	19.50
		1	49	19.29	19.23	19.19	19.50
		25	0	19.02	18.95	18.97	19.50
		25	13	18.96	18.94	18.89	19.50
		25	25	18.96	19.06	19.01	19.50
		50	0	19.17	19.22	19.04	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	24.00	23.93	23.86	24.50
		1	38	24.12	24.13	23.98	24.50
		1	74	24.15	24.14	23.94	24.50
		36	0	22.89	22.88	22.91	23.50
		36	18	22.87	22.87	22.95	23.50
		36	39	23.01	22.95	22.95	23.50
		75	0	23.11	23.10	23.02	23.50
	16QAM	1	0	23.32	23.21	23.28	23.50
		1	38	23.34	23.18	23.18	23.50

		1	74	22.99	22.95	22.91	23.50
		36	0	21.85	21.91	21.74	22.50
		36	18	21.96	21.99	21.82	22.50
		36	39	21.92	21.91	21.87	22.50
		75	0	22.11	22.03	22.02	22.50
	64QAM	1	0	22.40	22.32	22.28	22.50
		1	38	22.42	22.37	22.35	22.50
		1	74	22.41	22.39	22.39	22.50
		36	0	20.83	20.94	20.88	21.50
		36	18	20.94	20.84	21.07	21.50
		36	39	21.06	21.02	20.99	21.50
		75	0	21.23	21.20	21.23	21.50
	256QAM	1	0	19.26	19.24	19.19	19.50
		1	38	19.24	19.31	19.21	19.50
		1	74	19.20	19.32	19.31	19.50
		36	0	18.96	19.00	18.96	19.50
		36	18	18.94	18.89	18.93	19.50
		36	39	18.95	18.92	19.09	19.50
		75	0	19.21	19.17	19.03	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	24.04	24.00	23.96	24.50
		1	50	24.16	24.15	24.07	24.50
		1	99	24.11	24.12	24.04	24.50
		50	0	22.84	22.88	22.87	23.50
		50	25	22.97	22.93	23.00	23.50
		50	50	22.96	22.93	22.94	23.50
		100	0	23.07	23.06	22.97	23.50
	16QAM	1	0	23.35	23.25	23.34	23.50
		1	50	23.29	23.23	23.28	23.50
		1	99	22.98	23.03	22.92	23.50
		50	0	21.87	21.87	21.82	22.50
		50	25	21.97	21.99	21.88	22.50
		50	50	21.96	21.90	21.93	22.50
		100	0	22.07	22.12	22.03	22.50
	64QAM	1	0	22.39	22.38	22.31	22.50
		1	50	22.43	22.47	22.41	22.50
		1	99	22.45	22.48	22.39	22.50
		50	0	20.90	20.94	20.86	21.50
		50	25	21.01	20.94	21.06	21.50
		50	50	21.02	20.97	21.06	21.50
		100	0	21.28	21.28	21.32	21.50
	256QAM	1	0	19.30	19.20	19.29	19.50
		1	50	19.30	19.32	19.29	19.50
		1	99	19.25	19.30	19.27	19.50
		50	0	18.97	18.98	18.92	19.50
		50	25	19.01	18.96	18.95	19.50
		50	50	19.04	19.01	19.08	19.50
		100	0	19.22	19.25	19.12	19.50

LTE Band 4 Hotspot on Receiver off +ENDC mode				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	22.14	22.10	22.16	22.50
		1	2	22.16	22.12	22.13	22.50
		1	5	22.07	22.07	22.17	22.50
		3	0	22.18	22.11	22.14	22.50
		3	2	22.14	22.13	22.20	22.50
		3	3	22.02	22.07	22.17	22.50
		6	0	21.18	21.12	21.17	21.50
	16QAM	1	0	21.41	21.35	21.38	21.50
		1	2	21.45	21.47	21.35	21.50
		1	5	21.35	21.41	21.36	21.50
		3	0	21.45	21.49	21.36	21.50
		3	2	21.39	21.35	21.35	21.50
		3	3	21.28	21.43	21.36	21.50
		6	0	20.18	20.23	20.27	20.50
	64QAM	1	0	20.28	20.28	20.25	20.50
		1	2	20.49	20.45	20.39	20.50

		1	5	20.28	20.46	20.43	20.50
		3	0	20.20	20.40	20.35	20.50
		3	2	20.31	20.39	20.49	20.50
		3	3	20.34	20.40	20.31	20.50
		6	0	19.18	19.29	19.28	19.50
	256QAM	1	0	17.31	17.45	17.48	17.50
		1	2	17.28	17.27	17.12	17.50
		1	5	17.37	17.47	17.38	17.50
		3	0	17.29	17.14	17.09	17.50
		3	2	17.29	17.26	17.35	17.50
		3	3	17.25	17.35	17.33	17.50
		6	0	17.22	17.25	17.27	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	22.12	22.03	22.12	22.50
		1	7	22.19	22.08	22.21	22.50
		1	14	22.08	22.10	22.16	22.50
		8	0	21.17	21.08	21.08	21.50
		8	4	21.20	21.11	21.04	21.50
		8	7	21.20	21.18	21.19	21.50
		15	0	21.24	21.15	21.21	21.50
	16QAM	1	0	21.40	21.39	21.45	21.50
		1	7	21.49	21.40	21.32	21.50
		1	14	21.33	21.37	21.39	21.50
		8	0	20.32	20.30	20.42	20.50
		8	4	20.20	20.23	20.19	20.50
		8	7	20.23	20.33	20.18	20.50
		15	0	20.25	20.16	20.25	20.50
	64QAM	1	0	20.25	20.34	20.28	20.50
		1	7	20.39	20.40	20.41	20.50
		1	14	20.37	20.45	20.37	20.50
		8	0	19.33	19.15	19.17	19.50
		8	4	19.33	19.25	19.25	19.50
		8	7	19.26	19.29	19.25	19.50
		15	0	19.30	19.29	19.20	19.50
	256QAM	1	0	17.38	17.43	17.47	17.50
		1	7	17.36	17.20	17.16	17.50
		1	14	17.45	17.41	17.49	17.50
		8	0	17.26	17.15	17.05	17.50
		8	4	17.26	17.30	17.38	17.50
		8	7	17.34	17.38	17.32	17.50
		15	0	17.19	17.24	17.41	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	22.05	22.12	22.11	22.50
		1	13	22.16	22.10	22.18	22.50
		1	24	22.07	22.06	22.17	22.50
		12	0	21.15	21.13	21.16	21.50
		12	6	21.22	21.08	21.00	21.50
		12	13	21.12	21.20	21.26	21.50
		25	0	21.25	21.17	21.13	21.50
	16QAM	1	0	21.37	21.37	21.44	21.50
		1	13	21.44	21.36	21.33	21.50
		1	24	21.41	21.41	21.45	21.50
		12	0	20.24	20.29	20.45	20.50
		12	6	20.11	20.22	20.23	20.50
		12	13	20.19	20.25	20.20	20.50
		25	0	20.18	20.24	20.19	20.50
	64QAM	1	0	20.26	20.42	20.21	20.50
		1	13	20.46	20.42	20.43	20.50
		1	24	20.28	20.37	20.33	20.50
		12	0	19.34	19.17	19.16	19.50
		12	6	19.27	19.29	19.34	19.50
		12	13	19.15	19.33	19.17	19.50
		25	0	19.29	19.29	19.29	19.50
	256QAM	1	0	17.32	17.45	17.46	17.50
		1	13	17.23	17.30	17.16	17.50
		1	24	17.34	17.39	17.49	17.50
		12	0	17.19	17.24	17.17	17.50
		12	6	17.36	17.27	17.32	17.50
		12	13	17.22	17.38	17.34	17.50
		25	0	17.16	17.26	17.41	17.50

Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	22.16	22.13	22.16	22.50
		1	25	22.20	22.18	22.19	22.50
		1	49	22.01	22.04	22.16	22.50
		25	0	21.18	21.14	21.08	21.50
		25	13	21.09	21.11	21.01	21.50
		25	25	21.13	21.15	21.17	21.50
		50	0	21.13	21.09	21.14	21.50
	16QAM	1	0	21.47	21.46	21.34	21.50
		1	25	21.38	21.45	21.33	21.50
		1	49	21.28	21.40	21.37	21.50
		25	0	20.35	20.37	20.35	20.50
		25	13	20.16	20.15	20.21	20.50
		25	25	20.19	20.31	20.26	20.50
		50	0	20.12	20.27	20.27	20.50
	64QAM	1	0	20.31	20.39	20.34	20.50
		1	25	20.44	20.38	20.41	20.50
		1	49	20.40	20.39	20.45	20.50
		25	0	19.29	19.25	19.13	19.50
		25	13	19.32	19.21	19.25	19.50
		25	25	19.30	19.32	19.14	19.50
		50	0	19.17	19.27	19.15	19.50
	256QAM	1	0	17.33	17.34	17.39	17.50
		1	25	17.31	17.21	17.14	17.50
		1	49	17.45	17.50	17.48	17.50
		25	0	17.16	17.15	17.16	17.50
		25	13	17.30	17.37	17.27	17.50
		25	25	17.23	17.31	17.41	17.50
		50	0	17.25	17.31	17.37	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	22.19	22.05	22.09	22.50
		1	38	22.21	22.11	22.20	22.50
		1	74	22.14	22.10	22.14	22.50
		36	0	21.20	21.13	21.10	21.50
		36	18	21.17	21.21	21.02	21.50
		36	39	21.16	21.09	21.15	21.50
		75	0	21.18	21.09	21.09	21.50
	16QAM	1	0	21.49	21.49	21.41	21.50
		1	38	21.44	21.40	21.32	21.50
		1	74	21.34	21.34	21.43	21.50
		36	0	20.25	20.33	20.33	20.50
		36	18	20.16	20.18	20.26	20.50
		36	39	20.33	20.29	20.15	20.50
		75	0	20.12	20.28	20.18	20.50
	64QAM	1	0	20.25	20.30	20.27	20.50
		1	38	20.50	20.37	20.49	20.50
		1	74	20.33	20.42	20.42	20.50
		36	0	19.31	19.24	19.17	19.50
		36	18	19.27	19.24	19.34	19.50
		36	39	19.24	19.29	19.24	19.50
		75	0	19.16	19.33	19.28	19.50
	256QAM	1	0	17.39	17.39	17.44	17.50
		1	38	17.24	17.31	17.21	17.50
		1	74	17.32	17.45	17.49	17.50
		36	0	17.26	17.19	17.11	17.50
		36	18	17.25	17.25	17.37	17.50
		36	39	17.31	17.39	17.32	17.50
		75	0	17.30	17.28	17.32	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	22.14	22.09	22.12	22.50
		1	50	22.19	22.17	22.22	22.50
		1	99	22.09	22.14	22.21	22.50
		50	0	21.16	21.15	21.11	21.50
		50	25	21.19	21.16	21.07	21.50
		50	50	21.20	21.19	21.23	21.50
		100	0	21.21	21.18	21.16	21.50
	16QAM	1	0	21.48	21.44	21.41	21.50
		1	50	21.47	21.48	21.39	21.50
		1	99	21.37	21.44	21.40	21.50

		50	0	20.32	20.35	20.40	20.50
		50	25	20.17	20.25	20.28	20.50
		50	50	20.29	20.28	20.24	20.50
		100	0	20.22	20.24	20.23	20.50
	64QAM	1	0	20.28	20.38	20.30	20.50
		1	50	20.48	20.47	20.49	20.50
		1	99	20.35	20.41	20.41	20.50
		50	0	19.29	19.25	19.22	19.50
		50	25	19.31	19.30	19.35	19.50
		50	50	19.25	19.32	19.22	19.50
		100	0	19.26	19.28	19.25	19.50
	256QAM	1	0	17.37	17.43	17.43	17.50
		1	50	17.32	17.30	17.22	17.50
		1	99	17.41	17.49	17.48	17.50
		50	0	17.26	17.24	17.15	17.50
		50	25	17.33	17.34	17.36	17.50
		50	50	17.32	17.37	17.40	17.50
		100	0	17.26	17.33	17.36	17.50

LTE Band 4 Hotspot on+ENDC mode				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 19957	Channel 20175	Channel 20393	Tune up
1.4MHz	QPSK	1	0	20.02	19.98	20.11	20.50
		1	2	20.07	20.04	20.07	20.50
		1	5	19.95	20.04	20.14	20.50
		3	0	20.12	19.98	20.10	20.50
		3	2	20.03	20.02	20.07	20.50
		3	3	19.96	19.96	20.05	20.50
	16QAM	6	0	19.07	19.00	19.12	19.50
		1	0	19.34	19.32	19.27	19.50
		1	2	19.32	19.38	19.29	19.50
		1	5	19.32	19.34	19.24	19.50
		3	0	19.36	19.25	19.27	19.50
		3	2	19.30	19.30	19.28	19.50
	64QAM	3	3	19.25	19.34	19.25	19.50
		6	0	18.10	18.11	18.18	18.50
		1	0	18.21	18.20	18.18	18.50
		1	2	18.24	18.33	18.31	18.50
		1	5	18.20	18.42	18.37	18.50
		3	0	18.17	18.27	18.22	18.50
	256QAM	3	2	18.19	18.26	18.24	18.50
		3	3	18.31	18.27	18.19	18.50
		6	0	17.12	17.22	17.16	17.50
		1	0	15.25	15.37	15.36	15.50
		1	2	15.17	15.21	15.07	15.50
		1	5	15.31	15.38	15.26	15.50
3MHz	QPSK	3	0	15.17	15.06	15.03	15.50
		3	2	15.24	15.16	15.27	15.50
		3	3	15.22	15.28	15.23	15.50
		6	0	15.14	15.21	15.14	15.50
	16QAM	1	0	19.31	19.27	19.34	19.50
		1	7	19.29	19.37	19.21	19.50
		1	14	19.20	19.29	19.27	19.50
		8	0	18.20	18.24	18.38	18.50
		8	4	18.09	18.11	18.15	18.50
		8	7	18.12	18.29	18.09	18.50
	64QAM	15	0	18.12	18.09	18.17	18.50
		1	0	18.16	18.21	18.24	18.50
		1	7	18.33	18.28	18.36	18.50
		1	14	18.28	18.41	18.29	18.50
		8	0	17.29	17.10	17.08	17.50

		8	4	17.21	17.15	17.22	17.50
		8	7	17.15	17.22	17.19	17.50
		15	0	17.21	17.18	17.17	17.50
	256QAM	1	0	15.29	15.35	15.42	15.50
		1	7	15.31	15.10	15.08	15.50
		1	14	15.42	15.29	15.37	15.50
		8	0	15.16	15.12	15.00	15.50
		8	4	15.21	15.19	15.27	15.50
		8	7	15.29	15.25	15.25	15.50
		15	0	15.16	15.21	15.30	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 19975	Channel 20175	Channel 20375	Tune up
5MHz	QPSK	1	0	19.95	20.09	19.99	20.50
		1	13	20.13	20.00	20.12	20.50
		1	24	19.95	19.99	20.11	20.50
		12	0	19.12	19.10	19.09	19.50
		12	6	19.11	19.05	18.97	19.50
		12	13	19.02	19.11	19.22	19.50
	16QAM	25	0	19.13	19.12	19.01	19.50
		1	0	19.33	19.29	19.35	19.50
		1	13	19.33	19.23	19.24	19.50
		1	24	19.38	19.37	19.36	19.50
		12	0	18.15	18.18	18.40	18.50
		12	6	18.08	18.09	18.10	18.50
	64QAM	12	13	18.11	18.13	18.10	18.50
		25	0	18.08	18.15	18.13	18.50
		1	0	18.18	18.29	18.13	18.50
		1	13	18.36	18.37	18.38	18.50
		1	24	18.21	18.28	18.24	18.50
		12	0	17.28	17.05	17.07	17.50
	256QAM	12	6	17.19	17.22	17.28	17.50
		12	13	17.05	17.29	17.13	17.50
		25	0	17.25	17.16	17.21	17.50
		1	0	15.25	15.32	15.35	15.50
		1	13	15.13	15.21	15.08	15.50
		1	24	15.27	15.33	15.41	15.50
10MHz	QPSK	12	0	15.12	15.14	15.10	15.50
		12	6	15.30	15.17	15.27	15.50
		12	13	15.14	15.27	15.29	15.50
		25	0	15.04	15.16	15.28	15.50
	16QAM	1	0	20.13	20.00	20.10	20.50
		1	25	20.15	20.08	20.07	20.50
		1	49	19.93	20.00	20.09	20.50
		25	0	19.15	19.09	18.97	19.50
		25	13	19.04	18.99	18.91	19.50
		25	25	19.00	19.02	19.05	19.50
	64QAM	50	0	19.01	18.98	19.03	19.50
		1	0	19.37	19.39	19.22	19.50
		1	25	19.31	19.39	19.28	19.50
		1	49	19.21	19.37	19.29	19.50
		25	0	18.30	18.24	18.27	18.50
		25	13	18.06	18.09	18.09	18.50
	256QAM	25	25	18.13	18.25	18.23	18.50
		50	0	18.09	18.17	18.14	18.50
		1	0	18.18	18.27	18.25	18.50
		1	25	18.32	18.33	18.37	18.50
		1	49	18.27	18.35	18.34	18.50
		25	0	17.17	17.20	17.08	17.50
	QPSK	25	13	17.25	17.11	17.15	17.50
		25	25	17.26	17.20	17.08	17.50
		50	0	17.12	17.24	17.11	17.50
	16QAM	1	0	15.22	15.29	15.34	15.50
		1	25	15.25	15.08	15.07	15.50
		1	49	15.35	15.23	15.35	15.50
	64QAM	25	0	15.03	15.12	15.12	15.50
		25	13	15.20	15.32	15.18	15.50
		25	25	15.14	15.27	15.33	15.50
		50	0	15.22	15.24	15.28	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up

15MHz	QPSK	1	0	20.13	19.92	20.01	20.50
		1	38	20.18	20.01	20.12	20.50
		1	74	20.07	19.97	20.08	20.50
		36	0	19.08	19.00	18.97	19.50
		36	18	19.10	19.15	18.99	19.50
		36	39	19.04	19.00	19.07	19.50
		75	0	19.07	18.99	19.03	19.50
	16QAM	1	0	19.39	19.24	19.37	19.50
		1	38	19.35	19.29	19.22	19.50
		1	74	19.22	19.26	19.39	19.50
		36	0	18.12	18.20	18.22	18.50
		36	18	18.08	18.08	18.23	18.50
		36	39	18.24	18.18	18.02	18.50
		75	0	17.99	18.24	18.11	18.50
	64QAM	1	0	18.17	18.19	18.14	18.50
		1	38	18.30	18.27	18.34	18.50
		1	74	18.26	18.39	18.38	18.50
		36	0	17.26	17.18	17.07	17.50
		36	18	17.19	17.16	17.26	17.50
		36	39	17.14	17.22	17.21	17.50
		75	0	17.10	17.25	17.17	17.50
	256QAM	1	0	15.36	15.27	15.36	15.50
		1	38	15.18	15.25	15.10	15.50
		1	74	15.23	15.42	15.40	15.50
		36	0	15.17	15.06	15.08	15.50
		36	18	15.12	15.14	15.27	15.50
		36	39	15.25	15.36	15.21	15.50
		75	0	15.22	15.21	15.24	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	QPSK	1	0	20050	20175	20300	20.50
		1	50	20.07	20.03	20.09	20.50
		1	99	20.16	20.04	20.17	20.50
		1	99	19.99	20.05	20.18	20.50
		50	0	19.09	19.12	19.07	19.50
		50	25	19.13	19.06	19.02	19.50
		50	50	19.12	19.10	19.11	19.50
	16QAM	100	0	19.12	19.11	19.13	19.50
		1	0	19.23	19.38	19.29	19.50
		1	50	19.37	19.33	19.36	19.50
		1	99	19.33	19.39	19.30	19.50
		50	0	18.19	18.25	18.37	18.50
		50	25	18.06	18.16	18.21	18.50
		50	50	18.20	18.20	18.15	18.50
	64QAM	100	0	18.10	18.14	18.20	18.50
		1	0	18.19	18.34	18.22	18.50
		1	50	18.32	18.24	18.36	18.50
		1	99	18.31	18.29	18.34	18.50
		50	0	17.19	17.18	17.19	17.50
		50	25	17.18	17.27	17.30	17.50
		50	50	17.13	17.25	17.19	17.50
	256QAM	100	0	17.19	17.22	17.17	17.50
		1	0	15.34	15.31	15.39	15.50
		1	50	15.29	15.19	15.17	15.50
		1	99	15.28	15.36	15.39	15.50
		50	0	15.15	15.18	15.11	15.50
		50	25	15.27	15.21	15.27	15.50
		50	50	15.23	15.30	15.36	15.50
		100	0	15.20	15.29	15.31	15.50

LTE Band 5 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
1.4MHz	QPSK	1	0	20407	20525	20643	24.50
		1	2	23.70	23.75	23.78	24.50
		1	5	23.57	23.61	23.58	24.50
		3	0	23.68	23.67	23.71	24.50
		3	2	23.80	23.66	23.78	24.50
				23.61	23.74	23.72	24.50

		3	3	23.68	23.68	23.76	24.50
		6	0	22.57	22.63	22.76	23.50
	16QAM	1	0	22.94	22.94	23.04	23.50
		1	2	22.91	22.88	22.93	23.50
		1	5	22.90	23.01	22.94	23.50
		3	0	23.08	22.94	23.08	23.50
		3	2	22.80	22.89	22.88	23.50
		3	3	22.94	22.92	22.94	23.50
		6	0	21.70	21.61	21.65	22.50
		1	0	21.95	21.96	22.00	22.50
	64QAM	1	2	21.85	21.89	21.97	22.50
		1	5	21.99	21.85	21.96	22.50
		3	0	22.04	22.05	21.94	22.50
		3	2	21.98	21.97	22.00	22.50
		3	3	21.95	21.84	21.85	22.50
		6	0	20.85	20.85	20.69	21.50
		1	0	19.04	19.00	18.97	19.50
	256QAM	1	2	18.91	18.84	18.85	19.50
		1	5	18.79	18.78	18.78	19.50
		3	0	18.75	18.69	18.78	19.50
		3	2	18.73	18.76	18.77	19.50
		3	3	18.82	18.65	18.67	19.50
		6	0	18.67	18.76	18.77	19.50
		1	0	18.67	18.76	18.77	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	23.77	23.74	23.75	24.50
		1	7	23.48	23.72	23.68	24.50
		1	14	23.52	23.68	23.66	24.50
		8	0	22.75	22.76	22.74	23.50
		8	4	22.66	22.65	22.63	23.50
		8	7	22.55	22.75	22.65	23.50
		15	0	22.58	22.69	22.76	23.50
	16QAM	1	0	22.93	22.91	23.05	23.50
		1	7	22.85	22.90	22.96	23.50
		1	14	22.93	22.93	22.98	23.50
		8	0	21.85	21.77	21.65	22.50
		8	4	21.81	21.61	21.75	22.50
		8	7	21.55	21.71	21.76	22.50
		15	0	21.71	21.70	21.78	22.50
	64QAM	1	0	21.94	21.99	21.94	22.50
		1	7	21.90	21.94	21.89	22.50
		1	14	22.02	21.90	21.92	22.50
		8	0	20.73	20.71	20.74	21.50
		8	4	20.72	20.78	20.69	21.50
		8	7	20.62	20.61	20.76	21.50
		15	0	20.83	20.72	20.72	21.50
	256QAM	1	0	18.94	19.00	19.07	19.50
		1	7	18.94	18.69	18.88	19.50
		1	14	18.82	18.77	18.82	19.50
		8	0	18.65	18.69	18.68	19.50
		8	4	18.63	18.79	18.67	19.50
		8	7	18.78	18.76	18.75	19.50
		15	0	18.68	18.70	18.70	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.74	23.74	23.80	24.50
		1	13	23.61	23.69	23.58	24.50
		1	24	23.60	23.76	23.67	24.50
		12	0	22.75	22.65	22.79	23.50
		12	6	22.56	22.73	22.73	23.50
		12	13	22.57	22.66	22.73	23.50
		25	0	22.63	22.65	22.65	23.50
	16QAM	1	0	23.07	22.99	23.12	23.50
		1	13	22.85	22.90	22.89	23.50
		1	24	22.96	22.88	22.90	23.50
		12	0	21.72	21.69	21.72	22.50
		12	6	21.67	21.69	21.79	22.50
		12	13	21.60	21.61	21.70	22.50
		25	0	21.68	21.66	21.79	22.50
	64QAM	1	0	21.87	22.00	22.07	22.50

		1	13	21.82	21.99	21.89	22.50
		1	24	21.90	21.81	21.96	22.50
		12	0	20.60	20.68	20.73	21.50
		12	6	20.56	20.84	20.80	21.50
		12	13	20.62	20.69	20.77	21.50
		25	0	20.78	20.76	20.80	21.50
	256QAM	1	0	18.92	18.97	19.07	19.50
		1	13	18.86	18.72	18.93	19.50
		1	24	18.75	18.86	18.75	19.50
		12	0	18.70	18.79	18.69	19.50
		12	6	18.72	18.72	18.75	19.50
		12	13	18.83	18.75	18.78	19.50
		25	0	18.78	18.79	18.71	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.79	23.89	23.90	24.50
		1	25	23.60	23.69	23.69	24.50
		1	49	23.63	23.76	23.72	24.50
		25	0	22.73	22.72	22.76	23.50
		25	13	22.63	22.71	22.75	23.50
		25	25	22.62	22.71	22.74	23.50
	16QAM	50	0	22.69	22.71	22.77	23.50
		1	0	23.05	22.98	23.08	23.50
		1	25	22.88	22.93	22.94	23.50
		1	49	23.02	22.97	22.99	23.50
		25	0	21.82	21.81	21.77	22.50
		25	13	21.78	21.64	21.75	22.50
	64QAM	25	25	21.67	21.68	21.72	22.50
		50	0	21.76	21.65	21.76	22.50
		1	0	21.99	22.05	22.05	22.50
		1	25	21.94	21.97	21.98	22.50
		1	49	22.01	21.90	21.97	22.50
		25	0	20.71	20.78	20.81	21.50
	256QAM	25	13	20.68	20.79	20.79	21.50
		25	25	20.64	20.70	20.76	21.50
		50	0	20.85	20.81	20.80	21.50
		1	0	19.02	18.96	19.02	19.50
		1	25	18.94	18.79	18.89	19.50
		1	49	18.80	18.82	18.86	19.50
		25	0	18.71	18.75	18.78	19.50
		25	13	18.71	18.74	18.76	19.50
		25	25	18.81	18.76	18.77	19.50
		50	0	18.78	18.82	18.80	19.50

LTE Band 5 Hotspot on+ENDC mode Hotspot on+ Inter-band UL CA mode				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	21.22	21.30	21.32	22.00
		1	2	21.18	21.14	21.17	22.00
		1	5	21.16	21.13	21.18	22.00
		3	0	21.24	21.24	21.27	22.00
		3	2	21.16	21.16	21.21	22.00
		3	3	21.14	21.23	21.25	22.00
	16QAM	6	0	20.25	20.15	20.30	21.00
		1	0	20.19	20.30	20.32	21.00
		1	2	20.08	20.09	20.10	21.00
		1	5	20.22	20.13	20.13	21.00
		3	0	20.12	20.12	20.13	21.00
		3	2	20.04	20.20	20.26	21.00
	64QAM	3	3	20.14	20.27	20.29	21.00
		6	0	19.16	19.17	19.18	20.00
		1	0	19.27	19.35	19.27	20.00
		1	2	19.19	19.25	19.32	20.00
		1	5	19.15	19.15	19.15	20.00
		3	0	19.20	19.17	19.17	20.00
		3	2	19.10	19.10	19.25	20.00
		3	3	19.24	19.30	19.28	20.00
		6	0	18.11	18.21	18.19	19.00

		1	0	16.65	16.63	16.50	17.00
		1	2	16.66	16.49	16.59	17.00
		1	5	16.53	16.58	16.51	17.00
		3	0	16.52	16.42	16.49	17.00
		3	2	16.45	16.33	16.59	17.00
		3	3	16.44	16.51	16.54	17.00
		6	0	16.46	16.50	16.43	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	21.34	21.20	21.28	22.00
		1	7	21.14	21.12	21.22	22.00
		1	14	21.09	21.12	21.25	22.00
		8	0	20.16	20.20	20.27	21.00
		8	4	20.16	20.15	20.21	21.00
		8	7	20.24	20.27	20.18	21.00
		15	0	20.23	20.19	20.24	21.00
	16QAM	1	0	20.24	20.23	20.28	21.00
		1	7	20.08	20.13	20.10	21.00
		1	14	20.14	20.19	20.10	21.00
		8	0	19.12	19.09	19.17	20.00
		8	4	19.11	19.11	19.19	20.00
		8	7	19.18	19.15	19.24	20.00
		15	0	19.15	19.09	19.29	20.00
	64QAM	1	0	19.25	19.33	19.34	20.00
		1	7	19.17	19.31	19.20	20.00
		1	14	19.18	19.16	19.14	20.00
		8	0	18.11	18.13	18.28	19.00
		8	4	18.17	18.19	18.24	19.00
		8	7	18.36	18.31	18.27	19.00
		15	0	18.08	18.22	18.26	19.00
	256QAM	1	0	16.64	16.57	16.43	17.00
		1	7	16.56	16.47	16.67	17.00
		1	14	16.58	16.67	16.48	17.00
		8	0	16.58	16.49	16.52	17.00
		8	4	16.45	16.43	16.58	17.00
		8	7	16.47	16.50	16.50	17.00
		15	0	16.45	16.46	16.41	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	21.31	21.24	21.32	22.00
		1	13	21.17	21.20	21.24	22.00
		1	24	21.11	21.23	21.13	22.00
		12	0	20.12	20.23	20.33	21.00
		12	6	20.17	20.29	20.22	21.00
		12	13	20.16	20.16	20.25	21.00
		25	0	20.30	20.22	20.30	21.00
	16QAM	1	0	20.28	20.23	20.28	21.00
		1	13	20.09	20.10	20.16	21.00
		1	24	20.15	20.24	20.15	21.00
		12	0	19.12	19.03	19.10	20.00
		12	6	19.06	19.16	19.17	20.00
		12	13	19.22	19.26	19.35	20.00
		25	0	19.19	19.08	19.17	20.00
	64QAM	1	0	19.26	19.38	19.27	20.00
		1	13	19.26	19.28	19.26	20.00
		1	24	19.11	19.08	19.20	20.00
		12	0	18.13	18.15	18.18	19.00
		12	6	18.14	18.13	18.12	19.00
		12	13	18.31	18.19	18.28	19.00
		25	0	18.17	18.21	18.15	19.00
	256QAM	1	0	16.59	16.57	16.48	17.00
		1	13	16.67	16.47	16.60	17.00
		1	24	16.55	16.52	16.54	17.00
		12	0	16.56	16.46	16.53	17.00
		12	6	16.45	16.34	16.53	17.00
		12	13	16.54	16.54	16.49	17.00
		25	0	16.49	16.45	16.43	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	21.33	21.28	21.38	22.00

		1	25	21.17	21.24	21.27	22.00
		1	49	21.18	21.21	21.23	22.00
		25	0	20.24	20.27	20.30	21.00
		25	13	20.20	20.27	20.26	21.00
		25	25	20.23	20.24	20.22	21.00
		50	0	20.28	20.19	20.28	21.00
	16QAM	1	0	20.26	20.34	20.35	21.00
		1	25	20.13	20.13	20.22	21.00
		1	49	20.20	20.23	20.20	21.00
		25	0	19.23	19.14	19.20	20.00
		25	13	19.13	19.20	19.23	20.00
		25	25	19.23	19.27	19.33	20.00
		50	0	19.20	19.20	19.28	20.00
	64QAM	1	0	19.28	19.37	19.35	20.00
		1	25	19.27	19.28	19.32	20.00
		1	49	19.18	19.17	19.26	20.00
		25	0	18.19	18.23	18.28	19.00
		25	13	18.16	18.16	18.22	19.00
		25	25	18.34	18.30	18.32	19.00
		50	0	18.16	18.21	18.27	19.00
	256QAM	1	0	16.69	16.67	16.55	17.00
		1	25	16.67	16.58	16.66	17.00
		1	49	16.57	16.64	16.54	17.00
		25	0	16.58	16.51	16.58	17.00
		25	13	16.49	16.45	16.57	17.00
		25	25	16.53	16.55	16.53	17.00
		50	0	16.51	16.50	16.48	17.00

LTE Band 7 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 20775	Channel 21100	Channel 21425	Tune up
5MHz	QPSK	1	0	21.44	21.40	21.42	22.00
		1	13	21.45	21.23	21.35	22.00
		1	24	21.29	21.23	21.23	22.00
		12	0	20.36	20.44	20.36	21.00
		12	6	20.35	20.29	20.34	21.00
		12	13	20.35	20.30	20.39	21.00
	16QAM	25	0	20.30	20.41	20.30	21.00
		1	0	20.81	20.86	20.82	21.00
		1	13	20.69	20.63	20.77	21.00
		1	24	20.64	20.80	20.74	21.00
		12	0	19.52	19.44	19.39	20.00
		12	6	19.30	19.33	19.40	20.00
	64QAM	12	13	19.37	19.31	19.44	20.00
		25	0	19.27	19.30	19.33	20.00
		1	0	19.83	19.83	19.86	20.00
		1	13	19.55	19.53	19.61	20.00
		1	24	19.52	19.44	19.43	20.00
		12	0	18.37	18.56	18.48	19.00
	256QAM	12	6	18.42	18.48	18.39	19.00
		12	13	18.41	18.34	18.28	19.00
		25	0	18.39	18.47	18.26	19.00
		1	0	16.49	16.53	16.62	17.00
		1	13	16.54	16.52	16.29	17.00
		1	24	16.43	16.32	16.40	17.00
10MHz	QPSK	12	0	16.44	16.33	16.48	17.00
		12	6	16.42	16.46	16.33	17.00
		12	13	16.39	16.41	16.41	17.00
		25	0	16.34	16.46	16.29	17.00
		1	0	21.43	21.35	21.34	22.00
		1	25	21.44	21.26	21.28	22.00
	QPSK	1	49	21.36	21.24	21.31	22.00
		25	0	20.44	20.41	20.35	21.00
		25	13	20.41	20.22	20.36	21.00
		25	25	20.44	20.36	20.29	21.00

	16QAM	50	0	20.41	20.40	20.29	21.00
		1	0	20.87	20.80	20.82	21.00
		1	25	20.61	20.70	20.78	21.00
		1	49	20.64	20.75	20.63	21.00
		25	0	19.44	19.45	19.49	20.00
		25	13	19.37	19.33	19.41	20.00
		25	25	19.35	19.41	19.40	20.00
	64QAM	50	0	19.35	19.40	19.34	20.00
		1	0	19.74	19.77	19.69	20.00
		1	25	19.58	19.58	19.66	20.00
		1	49	19.61	19.56	19.49	20.00
		25	0	18.42	18.47	18.53	19.00
		25	13	18.49	18.52	18.33	19.00
		25	25	18.43	18.40	18.30	19.00
	256QAM	50	0	18.41	18.46	18.38	19.00
		1	0	16.62	16.42	16.57	17.00
		1	25	16.51	16.49	16.28	17.00
		1	49	16.48	16.36	16.36	17.00
		25	0	16.33	16.22	16.43	17.00
		25	13	16.38	16.47	16.39	17.00
		25	25	16.47	16.49	16.47	17.00
		50	0	16.47	16.39	16.34	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	21.43	21.28	21.39	22.00
		1	38	21.45	21.35	21.31	22.00
		1	74	21.26	21.25	21.36	22.00
		36	0	20.36	20.34	20.32	21.00
		36	18	20.31	20.29	20.27	21.00
		36	39	20.30	20.30	20.33	21.00
		75	0	20.32	20.44	20.26	21.00
	16QAM	1	0	20.75	20.86	20.92	21.00
		1	38	20.71	20.73	20.80	21.00
		1	74	20.63	20.63	20.63	21.00
		36	0	19.40	19.49	19.50	20.00
		36	18	19.41	19.46	19.45	20.00
		36	39	19.34	19.30	19.36	20.00
		75	0	19.43	19.44	19.35	20.00
	64QAM	1	0	19.67	19.74	19.84	20.00
		1	38	19.53	19.46	19.53	20.00
		1	74	19.57	19.59	19.47	20.00
		36	0	18.51	18.44	18.45	19.00
		36	18	18.38	18.46	18.34	19.00
		36	39	18.33	18.39	18.42	19.00
		75	0	18.45	18.32	18.34	19.00
	256QAM	1	0	16.57	16.51	16.49	17.00
		1	38	16.49	16.43	16.42	17.00
		1	74	16.47	16.28	16.33	17.00
		36	0	16.48	16.25	16.40	17.00
		36	18	16.33	16.46	16.41	17.00
		36	39	16.36	16.42	16.39	17.00
		75	0	16.33	16.42	16.35	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.47	21.38	21.40	22.00
		1	50	21.40	21.34	21.35	22.00
		1	99	21.37	21.34	21.32	22.00
		50	0	20.46	20.39	20.37	21.00
		50	25	20.42	20.32	20.33	21.00
		50	50	20.41	20.37	20.34	21.00
		100	0	20.40	20.39	20.30	21.00
	16QAM	1	0	20.86	20.86	20.89	21.00
		1	50	20.70	20.68	20.75	21.00
		1	99	20.72	20.75	20.69	21.00
		50	0	19.47	19.50	19.45	20.00
		50	25	19.42	19.42	19.41	20.00
		50	50	19.41	19.40	19.44	20.00
		100	0	19.39	19.40	19.38	20.00
	64QAM	1	0	19.79	19.84	19.81	20.00
		1	50	19.61	19.54	19.61	20.00

		1	99	19.57	19.56	19.55	20.00
		50	0	18.47	18.52	18.49	19.00
		50	25	18.46	18.51	18.35	19.00
		50	50	18.45	18.39	18.38	19.00
		100	0	18.44	18.43	18.37	19.00
	256QAM	1	0	16.57	16.50	16.60	17.00
		1	50	16.52	16.47	16.40	17.00
		1	99	16.49	16.40	16.45	17.00
		50	0	16.44	16.32	16.43	17.00
		50	25	16.43	16.42	16.44	17.00
		50	50	16.44	16.45	16.46	17.00
		100	0	16.43	16.41	16.40	17.00

LTE Band 7 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	20.64	20.54	20.63	21.00
		1	13	20.45	20.36	20.58	21.00
		1	24	20.55	20.47	20.46	21.00
		12	0	19.56	19.53	19.60	20.00
		12	6	19.59	19.45	19.46	20.00
		12	13	19.61	19.38	19.55	20.00
		25	0	19.53	19.53	19.60	20.00
	16QAM	1	0	19.97	19.95	19.81	20.00
		1	13	19.91	19.94	19.71	20.00
		1	24	19.81	19.89	19.80	20.00
		12	0	18.53	18.59	18.55	19.00
		12	6	18.59	18.61	18.57	19.00
		12	13	18.56	18.56	18.63	19.00
		25	0	18.62	18.57	18.49	19.00
	64QAM	1	0	18.91	18.88	18.92	19.00
		1	13	18.80	18.63	18.81	19.00
		1	24	18.76	18.62	18.57	19.00
		12	0	17.69	17.62	17.49	18.00
		12	6	17.50	17.60	17.59	18.00
		12	13	17.55	17.37	17.51	18.00
		25	0	17.58	17.50	17.55	18.00
	256QAM	1	0	15.74	15.81	15.80	16.00
		1	13	15.55	15.64	15.45	16.00
		1	24	15.64	15.60	15.69	16.00
		12	0	15.49	15.55	15.43	16.00
		12	6	15.64	15.48	15.53	16.00
		12	13	15.55	15.55	15.52	16.00
		25	0	15.71	15.59	15.61	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	20.59	20.45	20.55	21.00
		1	25	20.49	20.42	20.46	21.00
		1	49	20.45	20.40	20.51	21.00
		25	0	19.65	19.52	19.60	20.00
		25	13	19.65	19.40	19.53	20.00
		25	25	19.55	19.42	19.55	20.00
		50	0	19.58	19.52	19.62	20.00
	16QAM	1	0	19.97	19.84	19.72	20.00
		1	25	19.83	19.95	19.76	20.00
		1	49	19.84	19.95	19.80	20.00
		25	0	18.64	18.53	18.63	19.00
		25	13	18.47	18.49	18.48	19.00
		25	25	18.55	18.66	18.62	19.00
		50	0	18.48	18.53	18.51	19.00
	64QAM	1	0	18.76	18.71	18.89	19.00
		1	25	18.80	18.61	18.82	19.00
		1	49	18.69	18.62	18.59	19.00
		25	0	17.55	17.72	17.63	18.00
		25	13	17.60	17.52	17.46	18.00
		25	25	17.56	17.47	17.53	18.00
		50	0	17.52	17.46	17.54	18.00
	256QAM	1	0	15.74	15.78	15.85	16.00
		1	25	15.69	15.53	15.55	16.00

		1	49	15.55	15.72	15.58	16.00
		25	0	15.60	15.47	15.46	16.00
		25	13	15.61	15.49	15.47	16.00
		25	25	15.57	15.60	15.45	16.00
		50	0	15.61	15.54	15.62	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	20.60	20.51	20.63	21.00
		1	38	20.53	20.36	20.54	21.00
		1	74	20.59	20.49	20.55	21.00
		36	0	19.60	19.50	19.52	20.00
		36	18	19.49	19.47	19.55	20.00
		36	39	19.59	19.51	19.41	20.00
		75	0	19.51	19.61	19.47	20.00
	16QAM	1	0	19.83	19.85	19.81	20.00
		1	38	19.86	19.90	19.76	20.00
		1	74	19.97	19.91	19.82	20.00
		36	0	18.63	18.58	18.58	19.00
		36	18	18.64	18.55	18.58	19.00
		36	39	18.54	18.58	18.63	19.00
		75	0	18.50	18.40	18.62	19.00
	64QAM	1	0	18.83	18.72	18.80	19.00
		1	38	18.75	18.59	18.66	19.00
		1	74	18.78	18.54	18.62	19.00
		36	0	17.56	17.64	17.46	18.00
		36	18	17.50	17.50	17.47	18.00
		36	39	17.64	17.52	17.46	18.00
		75	0	17.57	17.47	17.57	18.00
	256QAM	1	0	15.81	15.86	15.92	16.00
		1	38	15.64	15.59	15.60	16.00
		1	74	15.56	15.69	15.55	16.00
		36	0	15.57	15.55	15.42	16.00
		36	18	15.61	15.51	15.47	16.00
		36	39	15.53	15.54	15.51	16.00
		75	0	15.58	15.51	15.72	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	20.68	20.50	20.58	21.00
		1	50	20.57	20.48	20.53	21.00
		1	99	20.54	20.44	20.55	21.00
		50	0	19.62	19.59	19.55	20.00
		50	25	19.60	19.48	19.53	20.00
		50	50	19.57	19.48	19.50	20.00
		100	0	19.59	19.57	19.57	20.00
	16QAM	1	0	19.93	19.90	19.82	20.00
		1	50	19.87	19.90	19.76	20.00
		1	99	19.92	19.94	19.86	20.00
		50	0	18.65	18.64	18.66	19.00
		50	25	18.59	18.58	18.57	19.00
		50	50	18.62	18.62	18.58	19.00
		100	0	18.60	18.52	18.60	19.00
	64QAM	1	0	18.88	18.83	18.91	19.00
		1	50	18.75	18.64	18.78	19.00
		1	99	18.73	18.65	18.69	19.00
		50	0	17.66	17.67	17.58	18.00
		50	25	17.62	17.60	17.58	18.00
		50	50	17.60	17.49	17.50	18.00
		100	0	17.63	17.51	17.57	18.00
	256QAM	1	0	15.83	15.85	15.87	16.00
		1	50	15.67	15.60	15.57	16.00
		1	99	15.67	15.69	15.66	16.00
		50	0	15.60	15.58	15.49	16.00
		50	25	15.59	15.55	15.52	16.00
		50	50	15.58	15.59	15.49	16.00
		100	0	15.66	15.63	15.71	16.00

LTE Band 12 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	24.38	24.54	24.50	25.00
		1	2	24.46	24.40	24.53	25.00
		1	5	24.41	24.40	24.47	25.00
		3	0	24.36	24.43	24.46	25.00
		3	2	24.41	24.53	24.44	25.00
		3	3	24.31	24.44	24.46	25.00
		6	0	23.46	23.52	23.50	24.00
	16QAM	1	0	23.42	23.39	23.25	24.00
		1	2	23.41	23.50	23.48	24.00
		1	5	23.47	23.40	23.46	24.00
		3	0	23.31	23.34	23.37	24.00
		3	2	23.50	23.57	23.49	24.00
		3	3	23.44	23.41	23.50	24.00
		6	0	22.39	22.45	22.55	23.00
	64QAM	1	0	22.68	22.62	22.69	23.00
		1	2	22.59	22.57	22.68	23.00
		1	5	22.47	22.58	22.48	23.00
		3	0	22.72	22.65	22.81	23.00
		3	2	22.57	22.55	22.63	23.00
		3	3	22.45	22.57	22.51	23.00
		6	0	21.40	21.53	21.41	22.00
	256QAM	1	0	19.66	19.46	19.48	20.00
		1	2	19.65	19.40	19.54	20.00
		1	5	19.36	19.40	19.41	20.00
		3	0	19.45	19.34	19.41	20.00
		3	2	19.41	19.51	19.40	20.00
		3	3	19.41	19.36	19.51	20.00
		6	0	19.45	19.31	19.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up
3MHz	QPSK	1	0	24.46	24.43	24.59	25.00
		1	7	24.32	24.43	24.56	25.00
		1	14	24.35	24.49	24.57	25.00
		8	0	23.41	23.47	23.42	24.00
		8	4	23.45	23.44	23.43	24.00
		8	7	23.37	23.49	23.42	24.00
		15	0	23.38	23.43	23.56	24.00
	16QAM	1	0	23.37	23.29	23.27	24.00
		1	7	23.49	23.52	23.42	24.00
		1	14	23.43	23.55	23.49	24.00
		8	0	22.29	22.53	22.55	23.00
		8	4	22.34	22.40	22.37	23.00
		8	7	22.55	22.50	22.40	23.00
		15	0	22.46	22.40	22.44	23.00
	64QAM	1	0	22.70	22.65	22.74	23.00
		1	7	22.59	22.68	22.54	23.00
		1	14	22.57	22.60	22.48	23.00
		8	0	21.40	21.36	21.51	22.00
		8	4	21.42	21.43	21.44	22.00
		8	7	21.41	21.50	21.51	22.00
		15	0	21.42	21.37	21.48	22.00
	256QAM	1	0	19.66	19.44	19.53	20.00
		1	7	19.56	19.53	19.58	20.00
		1	14	19.46	19.48	19.57	20.00
		8	0	19.57	19.39	19.46	20.00
		8	4	19.44	19.55	19.49	20.00
		8	7	19.55	19.38	19.54	20.00
		15	0	19.39	19.40	19.45	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up
5MHz	QPSK	1	0	24.49	24.48	24.53	25.00
		1	13	24.37	24.45	24.60	25.00

		1	24	24.29	24.55	24.58	25.00
		12	0	23.48	23.44	23.56	24.00
		12	6	23.40	23.49	23.42	24.00
		12	13	23.51	23.42	23.46	24.00
		25	0	23.41	23.40	23.56	24.00
	16QAM	1	0	23.27	23.29	23.37	24.00
		1	13	23.40	23.49	23.51	24.00
		1	24	23.46	23.44	23.55	24.00
		12	0	22.42	22.43	22.43	23.00
		12	6	22.42	22.50	22.38	23.00
	64QAM	12	13	22.46	22.53	22.50	23.00
		25	0	22.54	22.52	22.45	23.00
		1	0	22.65	22.64	22.81	23.00
		1	13	22.69	22.67	22.60	23.00
		1	24	22.52	22.62	22.64	23.00
	256QAM	12	0	21.45	21.44	21.46	22.00
		12	6	21.35	21.36	21.53	22.00
		12	13	21.40	21.41	21.55	22.00
		25	0	21.40	21.40	21.39	22.00
		1	0	19.67	19.41	19.58	20.00
		1	13	19.53	19.44	19.58	20.00
		1	24	19.34	19.51	19.56	20.00
		12	0	19.42	19.36	19.45	20.00
		12	6	19.39	19.43	19.50	20.00
		12	13	19.46	19.47	19.49	20.00
		25	0	19.40	19.43	19.42	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	24.61	24.61	24.63	25.00
		1	25	24.54	24.50	24.60	25.00
		1	49	24.41	24.52	24.56	25.00
		25	0	23.50	23.51	23.53	24.00
		25	13	23.47	23.50	23.52	24.00
		25	25	23.46	23.47	23.51	24.00
		50	0	23.43	23.47	23.53	24.00
	16QAM	1	0	23.39	23.37	23.35	24.00
		1	25	23.48	23.53	23.49	24.00
		1	49	23.45	23.50	23.53	24.00
		25	0	22.40	22.50	22.50	23.00
		25	13	22.46	22.45	22.48	23.00
		25	25	22.52	22.52	22.52	23.00
		50	0	22.50	22.47	22.50	23.00
	64QAM	1	0	22.73	22.74	22.80	23.00
		1	25	22.67	22.64	22.66	23.00
		1	49	22.57	22.59	22.59	23.00
		25	0	21.48	21.42	21.50	22.00
		25	13	21.47	21.44	21.48	22.00
		25	25	21.41	21.53	21.51	22.00
		50	0	21.40	21.48	21.50	22.00
	256QAM	1	0	19.62	19.50	19.60	20.00
		1	25	19.61	19.52	19.57	20.00
		1	49	19.42	19.48	19.52	20.00
		25	0	19.53	19.40	19.50	20.00
		25	13	19.42	19.54	19.51	20.00
		25	25	19.50	19.47	19.49	20.00
		50	0	19.40	19.41	19.49	20.00

LTE Band 14 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	23.90	23.81	23.82	24.50
		1	13	23.88	23.85	23.84	24.50
		1	24	23.89	23.78	23.90	24.50
		12	0	22.96	22.93	22.95	23.50
		12	6	22.87	22.87	22.87	23.50
		12	13	22.83	22.85	22.94	23.50

	16QAM	25	0	22.90	22.88	23.00	23.50
		1	0	23.25	23.18	23.24	23.50
		1	13	23.26	23.23	23.25	23.50
		1	24	23.23	23.12	23.26	23.50
		12	0	21.90	22.00	21.96	22.50
		12	6	21.97	21.91	21.98	22.50
		12	13	21.97	21.96	21.90	22.50
	64QAM	25	0	21.83	21.94	21.85	22.50
		1	0	22.16	22.10	22.17	22.50
		1	13	22.11	22.16	22.11	22.50
		1	24	22.06	22.06	22.04	22.50
		12	0	20.95	21.01	20.97	21.50
		12	6	20.82	20.83	20.81	21.50
		12	13	20.93	20.94	20.85	21.50
	256QAM	25	0	20.91	20.92	20.90	21.50
		1	0	19.09	19.13	19.10	19.50
		1	13	18.97	19.01	18.96	19.50
		1	24	18.99	19.02	19.01	19.50
		12	0	18.97	18.90	19.00	19.50
		12	6	18.93	18.98	18.86	19.50
		12	13	18.95	18.96	18.97	19.50
		25	0	19.00	18.94	18.95	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23330	/	
10MHz	QPSK	1	0	/	23.91	/	24.50
		1	25	/	23.89	/	24.50
		1	49	/	23.87	/	24.50
		25	0	/	22.98	/	23.50
		25	13	/	22.95	/	23.50
		25	25	/	22.93	/	23.50
		50	0	/	22.96	/	23.50
	16QAM	1	0	/	23.25	/	23.50
		1	25	/	23.21	/	23.50
		1	49	/	23.22	/	23.50
		25	0	/	21.97	/	22.50
		25	13	/	21.96	/	22.50
		25	25	/	21.93	/	22.50
		50	0	/	21.92	/	22.50
	64QAM	1	0	/	22.13	/	22.50
		1	25	/	22.16	/	22.50
		1	49	/	22.08	/	22.50
		25	0	/	20.97	/	21.50
		25	13	/	20.91	/	21.50
		25	25	/	20.93	/	21.50
		50	0	/	20.97	/	21.50
	256QAM	1	0	/	19.10	/	19.50
		1	25	/	19.06	/	19.50
		1	49	/	19.02	/	19.50
		25	0	/	18.99	/	19.50
		25	13	/	18.93	/	19.50
		25	25	/	18.93	/	19.50
		50	0	/	18.96	/	19.50

LTE Band 14 Hotspot on + ENDC mode				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	QPSK	1	0	23305	23330	23355	23.50
		1	13	22.92	22.80	22.80	23.50
		1	24	22.85	22.87	22.89	23.50
		1	24	22.86	22.83	22.89	23.50
		12	0	22.00	21.91	21.99	22.50
		12	6	21.88	21.88	21.87	22.50
		12	13	21.80	21.90	21.95	22.50
	16QAM	25	0	21.93	21.90	21.99	22.50
		1	0	22.29	22.20	22.20	22.50
		1	13	22.23	22.20	22.26	22.50
		1	24	22.25	22.09	22.24	22.50
		12	0	20.92	21.02	20.99	21.50
		12	6	20.99	20.91	20.98	21.50
		12	13	20.95	20.96	20.92	21.50

	64QAM	25	0	20.79	20.91	20.87	21.50
		1	0	21.16	21.07	21.14	21.50
		1	13	21.07	21.17	21.16	21.50
		1	24	21.10	21.08	21.02	21.50
		12	0	19.95	19.98	19.98	20.50
		12	6	19.79	19.88	19.81	20.50
		12	13	19.92	19.95	19.82	20.50
	256QAM	25	0	19.96	19.90	19.92	20.50
		1	0	18.08	18.17	18.08	18.50
		1	13	17.92	17.98	17.96	18.50
		1	24	17.98	18.03	18.00	18.50
		12	0	17.96	17.86	18.05	18.50
		12	6	17.89	18.03	17.88	18.50
		12	13	17.92	17.92	17.93	18.50
		25	0	17.97	17.96	17.93	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23330	/	23.50
		1	25	/	22.94	/	23.50
		1	49	/	22.84	/	23.50
		25	0	/	21.93	/	22.50
		25	13	/	21.92	/	22.50
		25	25	/	21.91	/	22.50
		50	0	/	21.95	/	22.50
	16QAM	1	0	/	22.21	/	22.50
		1	25	/	22.22	/	22.50
		1	49	/	22.22	/	22.50
		25	0	/	20.96	/	21.50
		25	13	/	21.00	/	21.50
		25	25	/	20.95	/	21.50
		50	0	/	20.92	/	21.50
	64QAM	1	0	/	21.12	/	21.50
		1	25	/	21.14	/	21.50
		1	49	/	21.11	/	21.50
		25	0	/	19.98	/	20.50
		25	13	/	19.96	/	20.50
		25	25	/	19.89	/	20.50
		50	0	/	20.00	/	20.50
	256QAM	1	0	/	18.15	/	18.50
		1	25	/	18.04	/	18.50
		1	49	/	18.00	/	18.50
		25	0	/	17.95	/	18.50
		25	13	/	17.92	/	18.50
		25	25	/	17.92	/	18.50
		50	0	/	17.98	/	18.50

LTE Band 66 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
1.4MHz	QPSK	1	0	131979	132322	132665	24.50
		1	2	24.27	24.31	24.20	24.50
		1	5	24.21	24.27	24.25	24.50
		3	0	24.09	24.25	24.19	24.50
		3	1	24.20	24.22	24.13	24.50
		3	3	24.19	24.32	24.23	24.50
		3	3	24.18	24.31	24.13	24.50
		6	0	23.12	23.13	23.20	23.50
	16QAM	1	0	23.50	23.40	23.32	23.50
		1	2	23.12	23.17	23.18	23.50
		1	5	23.10	23.15	23.17	23.50
		3	0	23.40	23.49	23.38	23.50
		3	1	23.13	23.06	23.16	23.50
		3	3	23.08	23.13	23.13	23.50
		6	0	22.11	22.17	22.27	22.50
	64QAM	1	0	22.39	22.41	22.39	22.50
		1	2	22.48	22.40	22.49	22.50
		1	5	22.39	22.42	22.31	22.50
		3	0	22.40	22.35	22.48	22.50

		3	1	22.47	22.37	22.45	22.50
		3	3	22.41	22.41	22.32	22.50
		6	0	21.47	21.30	21.43	21.50
	256QAM	1	0	19.35	19.46	19.39	19.50
		1	2	19.41	19.46	19.33	19.50
		1	5	19.42	19.49	19.49	19.50
		3	0	19.09	19.11	18.98	19.50
		3	1	19.12	19.13	19.10	19.50
		3	3	19.11	19.12	19.14	19.50
		6	0	19.42	19.44	19.44	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 131987	Channel 132322	Channel 132657	Tune up
3MHz	QPSK	1	0	24.18	24.27	24.20	24.50
		1	7	24.29	24.20	24.17	24.50
		1	14	24.20	24.24	24.23	24.50
		8	0	23.01	23.11	22.92	23.50
		8	4	22.92	23.05	23.00	23.50
		8	7	22.99	23.14	23.02	23.50
	16QAM	15	0	23.19	23.22	23.24	23.50
		1	0	23.40	23.47	23.38	23.50
		1	7	23.18	23.07	23.04	23.50
		1	14	23.09	23.19	23.14	23.50
		8	0	22.02	21.94	22.08	22.50
		8	4	21.90	22.05	21.96	22.50
	64QAM	8	7	21.98	22.02	21.94	22.50
		15	0	22.19	22.19	22.28	22.50
		1	0	22.48	22.41	22.37	22.50
		1	7	22.46	22.44	22.37	22.50
		1	14	22.35	22.42	22.41	22.50
		8	0	20.90	21.06	21.07	21.50
	256QAM	8	4	20.89	21.04	21.02	21.50
		8	7	20.96	21.06	21.03	21.50
		15	0	21.43	21.29	21.29	21.50
		1	0	19.47	19.41	19.49	19.50
		1	7	19.28	19.35	19.27	19.50
		1	14	19.44	19.40	19.42	19.50
5MHz	QPSK	8	0	19.11	19.08	19.02	19.50
		8	4	19.09	19.13	19.09	19.50
		8	7	19.15	19.10	19.07	19.50
		15	0	19.42	19.43	19.45	19.50
	16QAM	1	0	24.30	24.30	24.22	24.50
		1	13	24.15	24.27	24.20	24.50
		1	24	24.11	24.31	24.23	24.50
		12	0	23.05	23.03	23.01	23.50
		12	6	22.91	23.05	23.01	23.50
		12	13	23.07	23.05	23.00	23.50
	64QAM	25	0	23.13	23.16	23.21	23.50
		1	0	23.40	23.40	23.38	23.50
		1	13	23.18	23.07	23.18	23.50
		1	24	23.07	23.21	23.09	23.50
		12	0	21.97	21.98	21.99	22.50
		12	6	22.00	21.98	21.82	22.50
	256QAM	12	13	22.02	21.99	21.90	22.50
		25	0	22.18	22.28	22.22	22.50
		1	0	22.47	22.36	22.36	22.50
		1	13	22.45	22.44	22.37	22.50
		1	24	22.47	22.39	22.43	22.50
		12	0	20.97	21.06	20.99	21.50
	16QAM	12	6	20.94	20.96	21.12	21.50
		12	13	21.02	21.09	20.96	21.50
		25	0	21.45	21.29	21.41	21.50
	256QAM	1	0	19.36	19.38	19.40	19.50
		1	13	19.34	19.40	19.28	19.50
		1	24	19.36	19.44	19.49	19.50
	64QAM	12	0	19.10	19.04	19.05	19.50
		12	6	19.16	19.02	19.07	19.50
		12	13	19.03	19.06	19.19	19.50
		25	0	19.34	19.42	19.41	19.50
	256QAM	1	0	19.36	19.38	19.40	19.50
		1	13	19.34	19.40	19.28	19.50
		1	24	19.36	19.44	19.49	19.50
		12	0	19.10	19.04	19.05	19.50
		12	6	19.16	19.02	19.07	19.50
		12	13	19.03	19.06	19.19	19.50
		25	0	19.34	19.42	19.41	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up

10MHz	QPSK	1	0	24.25	24.32	24.17	24.50
		1	25	24.22	24.28	24.13	24.50
		1	49	24.21	24.22	24.14	24.50
		25	0	22.95	23.03	22.92	23.50
		25	13	22.91	23.09	22.89	23.50
		25	25	23.00	23.08	23.00	23.50
		50	0	23.12	23.22	23.16	23.50
	16QAM	1	0	23.45	23.37	23.32	23.50
		1	25	23.13	23.14	23.11	23.50
		1	49	23.17	23.15	23.15	23.50
		25	0	22.09	21.99	22.09	22.50
		25	13	21.87	21.91	21.87	22.50
		25	25	21.90	22.05	21.96	22.50
		50	0	22.07	22.14	22.21	22.50
	64QAM	1	0	22.42	22.47	22.43	22.50
		1	25	22.39	22.49	22.43	22.50
		1	49	22.46	22.46	22.31	22.50
		25	0	20.92	21.08	21.09	21.50
		25	13	20.87	21.11	21.10	21.50
		25	25	20.88	20.98	20.92	21.50
		50	0	21.37	21.41	21.35	21.50
	256QAM	1	0	19.33	19.45	19.47	19.50
		1	25	19.37	19.41	19.26	19.50
		1	49	19.43	19.48	19.45	19.50
		25	0	19.16	19.05	18.97	19.50
		25	13	19.18	19.03	19.05	19.50
		25	25	19.07	19.12	19.12	19.50
		50	0	19.36	19.30	19.36	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	24.29	24.27	24.16	24.50
		1	38	24.29	24.31	24.14	24.50
		1	74	24.11	24.21	24.21	24.50
		36	0	23.04	23.13	23.01	23.50
		36	18	23.03	23.09	22.97	23.50
		36	39	22.99	23.16	22.95	23.50
		75	0	23.05	23.12	23.16	23.50
	16QAM	1	0	23.47	23.38	23.46	23.50
		1	38	23.11	23.15	23.17	23.50
		1	74	23.06	23.25	23.11	23.50
		36	0	21.96	22.01	22.11	22.50
		36	18	21.88	21.94	21.93	22.50
		36	39	21.97	21.97	21.99	22.50
		75	0	22.19	22.29	22.24	22.50
	64QAM	1	0	22.47	22.39	22.43	22.50
		1	38	22.45	22.44	22.38	22.50
		1	74	22.47	22.44	22.33	22.50
		36	0	20.90	20.96	21.10	21.50
		36	18	21.01	21.07	21.11	21.50
		36	39	20.99	21.05	21.01	21.50
		75	0	21.40	21.39	21.28	21.50
	256QAM	1	0	19.40	19.39	19.39	19.50
		1	38	19.36	19.32	19.31	19.50
		1	74	19.37	19.41	19.41	19.50
		36	0	19.14	19.13	18.97	19.50
		36	18	19.07	19.08	19.03	19.50
		36	39	19.14	19.10	19.07	19.50
		75	0	19.40	19.30	19.33	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 132572	Tune up
20MHz	QPSK	1	0	24.27	24.37	24.23	24.50
		1	50	24.24	24.30	24.21	24.50
		1	99	24.17	24.34	24.20	24.50
		50	0	23.01	23.08	23.00	23.50
		50	25	23.00	23.11	22.98	23.50
		50	50	23.02	23.14	23.01	23.50
		100	0	23.14	23.22	23.19	23.50
	16QAM	1	0	23.50	23.45	23.42	23.50
		1	50	23.14	23.13	23.14	23.50
		1	99	23.16	23.20	23.14	23.50
		50	0	22.05	22.02	22.07	22.50
		50	25	21.96	22.01	21.92	22.50

		50	50	21.99	22.06	21.99	22.50
		100	0	22.15	22.24	22.29	22.50
	64QAM	1	0	22.43	22.45	22.43	22.50
		1	50	22.45	22.47	22.45	22.50
		1	99	22.42	22.48	22.41	22.50
		50	0	20.95	21.03	21.08	21.50
		50	25	20.96	21.06	21.10	21.50
		50	50	20.97	21.07	21.01	21.50
		100	0	21.42	21.38	21.38	21.50
	256QAM	1	0	19.42	19.49	19.48	19.50
		1	50	19.38	19.42	19.36	19.50
		1	99	19.40	19.48	19.49	19.50
		50	0	19.13	19.09	19.04	19.50
		50	25	19.15	19.11	19.08	19.50
		50	50	19.13	19.15	19.17	19.50
		100	0	19.39	19.39	19.43	19.50

LTE Band 66 Hotspot on Receiver off +ENDC mode				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 131979	Channel 132322	Channel 132665	Tune up
1.4MHz	QPSK	1	0	22.02	22.10	22.10	22.50
		1	2	22.17	22.15	22.16	22.50
		1	5	22.12	22.14	22.22	22.50
		3	0	22.15	22.11	21.97	22.50
		3	1	22.08	22.18	22.10	22.50
		3	3	22.19	22.17	22.19	22.50
	16QAM	6	0	21.10	21.17	21.14	21.50
		1	0	21.39	21.39	21.46	21.50
		1	2	21.32	21.37	21.40	21.50
		1	5	21.42	21.48	21.37	21.50
		3	0	21.37	21.41	21.37	21.50
		3	1	21.34	21.38	21.35	21.50
	64QAM	3	3	21.42	21.41	21.35	21.50
		6	0	20.20	20.23	20.29	20.50
		1	0	20.37	20.44	20.42	20.50
		1	2	20.42	20.48	20.37	20.50
		1	5	20.35	20.35	20.26	20.50
		3	0	20.39	20.41	20.41	20.50
	256QAM	3	1	20.35	20.46	20.38	20.50
		3	3	20.28	20.39	20.36	20.50
		6	0	19.23	19.30	19.22	19.50
		1	0	17.33	17.46	17.50	17.50
		1	2	17.35	17.24	17.26	17.50
		1	5	17.33	17.41	17.43	17.50
3MHz	QPSK	3	0	17.20	17.32	17.35	17.50
		3	1	17.16	17.30	17.18	17.50
		3	3	17.38	17.24	17.23	17.50
		6	0	17.27	17.32	17.12	17.50
	16QAM	1	0	22.08	22.07	22.09	22.50
		1	7	22.09	22.21	22.11	22.50
		1	14	22.15	22.15	22.12	22.50
		8	0	21.08	21.20	21.08	21.50
		8	4	21.04	21.19	21.08	21.50
		8	7	21.25	21.25	21.22	21.50
	64QAM	15	0	21.12	21.12	21.15	21.50
		1	0	21.42	21.47	21.43	21.50
		1	7	21.24	21.39	21.41	21.50
		1	14	21.42	21.44	21.36	21.50
		8	0	20.17	20.25	20.28	20.50
		8	4	20.27	20.22	20.18	20.50
	256QAM	8	7	20.18	20.34	20.19	20.50
		15	0	20.29	20.19	20.37	20.50
		1	0	20.38	20.35	20.32	20.50
		1	7	20.41	20.41	20.49	20.50
		1	14	20.33	20.40	20.29	20.50
		8	0	19.29	19.33	19.22	19.50
	64QAM	8	4	19.16	19.20	19.10	19.50

	256QAM	8	7	19.32	19.26	19.36	19.50
		15	0	19.20	19.18	19.26	19.50
		1	0	17.42	17.32	17.46	17.50
		1	7	17.43	17.39	17.26	17.50
		1	14	17.38	17.34	17.34	17.50
		8	0	17.26	17.26	17.24	17.50
		8	4	17.25	17.24	17.24	17.50
		8	7	17.29	17.33	17.14	17.50
		15	0	17.18	17.28	17.20	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	22.13	22.17	22.01	22.50
		1	13	22.16	22.23	22.12	22.50
		1	24	22.18	22.20	22.18	22.50
		12	0	21.01	21.14	21.22	21.50
		12	6	21.14	21.21	21.08	21.50
		12	13	21.17	21.23	21.22	21.50
		25	0	21.02	21.23	21.18	21.50
	16QAM	1	0	21.43	21.40	21.41	21.50
		1	13	21.37	21.37	21.43	21.50
		1	24	21.38	21.45	21.41	21.50
		12	0	20.27	20.30	20.31	20.50
		12	6	20.21	20.21	20.13	20.50
		12	13	20.31	20.33	20.26	20.50
		25	0	20.28	20.19	20.33	20.50
	64QAM	1	0	20.33	20.32	20.39	20.50
		1	13	20.40	20.38	20.49	20.50
		1	24	20.36	20.40	20.30	20.50
		12	0	19.32	19.32	19.28	19.50
		12	6	19.15	19.26	19.20	19.50
		12	13	19.22	19.38	19.31	19.50
		25	0	19.28	19.25	19.26	19.50
	256QAM	1	0	17.38	17.44	17.50	17.50
		1	13	17.29	17.37	17.33	17.50
		1	24	17.34	17.41	17.31	17.50
		12	0	17.32	17.32	17.23	17.50
		12	6	17.23	17.26	17.23	17.50
		12	13	17.23	17.24	17.16	17.50
		25	0	17.23	17.31	17.15	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	22.11	22.06	21.98	22.50
		1	25	22.19	22.10	22.13	22.50
		1	49	22.17	22.14	22.19	22.50
		25	0	21.04	21.06	21.13	21.50
		25	13	21.12	21.18	21.04	21.50
		25	25	21.19	21.17	21.17	21.50
		50	0	21.17	21.20	21.04	21.50
	16QAM	1	0	21.45	21.50	21.37	21.50
		1	25	21.32	21.42	21.48	21.50
		1	49	21.44	21.43	21.46	21.50
		25	0	20.22	20.35	20.26	20.50
		25	13	20.28	20.22	20.10	20.50
		25	25	20.25	20.27	20.18	20.50
		50	0	20.26	20.21	20.24	20.50
	64QAM	1	0	20.38	20.34	20.38	20.50
		1	25	20.32	20.45	20.43	20.50
		1	49	20.36	20.44	20.41	20.50
		25	0	19.30	19.31	19.21	19.50
		25	13	19.15	19.29	19.14	19.50
		25	25	19.31	19.32	19.24	19.50
		50	0	19.24	19.28	19.35	19.50
	256QAM	1	0	17.33	17.47	17.36	17.50
		1	25	17.35	17.27	17.20	17.50
		1	49	17.42	17.48	17.33	17.50
		25	0	17.22	17.26	17.21	17.50
		25	13	17.25	17.31	17.28	17.50
		25	25	17.30	17.29	17.21	17.50
		50	0	17.20	17.23	17.25	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	

15MHz	QPSK	1	0	22.15	22.08	22.07	22.50
		1	38	22.12	22.20	22.15	22.50
		1	74	22.08	22.21	22.12	22.50
		36	0	21.03	21.09	21.08	21.50
		36	18	21.18	21.11	21.06	21.50
		36	39	21.14	21.17	21.14	21.50
		75	0	21.13	21.10	21.09	21.50
	16QAM	1	0	21.43	21.46	21.35	21.50
		1	38	21.26	21.48	21.37	21.50
		1	74	21.50	21.41	21.50	21.50
		36	0	20.20	20.31	20.21	20.50
		36	18	20.29	20.18	20.15	20.50
		36	39	20.23	20.25	20.24	20.50
		75	0	20.27	20.26	20.37	20.50
	64QAM	1	0	20.39	20.31	20.37	20.50
		1	38	20.36	20.50	20.44	20.50
		1	74	20.38	20.47	20.41	20.50
		36	0	19.37	19.21	19.33	19.50
		36	18	19.24	19.28	19.22	19.50
		36	39	19.24	19.38	19.29	19.50
		75	0	19.28	19.20	19.32	19.50
	256QAM	1	0	17.30	17.44	17.44	17.50
		1	38	17.29	17.34	17.30	17.50
		1	74	17.32	17.43	17.43	17.50
		36	0	17.29	17.18	17.21	17.50
		36	18	17.19	17.21	17.23	17.50
		36	39	17.25	17.26	17.17	17.50
		75	0	17.28	17.22	17.18	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	22.10	22.20	22.07	22.50
		1	50	22.15	22.20	22.16	22.50
		1	99	22.18	22.33	22.20	22.50
		50	0	21.10	21.16	21.17	21.50
		50	25	21.13	21.19	21.14	21.50
		50	50	21.20	21.26	21.22	21.50
		100	0	21.12	21.20	21.14	21.50
	16QAM	1	0	21.44	21.48	21.43	21.50
		1	50	21.33	21.43	21.43	21.50
		1	99	21.48	21.48	21.45	21.50
		50	0	20.24	20.30	20.27	20.50
		50	25	20.31	20.26	20.20	20.50
		50	50	20.28	20.31	20.25	20.50
		100	0	20.26	20.29	20.34	20.50
	64QAM	1	0	20.43	20.41	20.37	20.50
		1	50	20.38	20.47	20.47	20.50
		1	99	20.37	20.42	20.36	20.50
		50	0	19.33	19.30	19.31	19.50
		50	25	19.25	19.28	19.19	19.50
		50	50	19.28	19.33	19.32	19.50
		100	0	19.24	19.27	19.30	19.50
	256QAM	1	0	17.37	17.42	17.45	17.50
		1	50	17.39	17.34	17.30	17.50
		1	99	17.42	17.44	17.38	17.50
		50	0	17.27	17.27	17.31	17.50
		50	25	17.21	17.30	17.25	17.50
		50	50	17.33	17.33	17.23	17.50
		100	0	17.25	17.29	17.20	17.50

LTE Band 66 Hotspot on+ENDC mode				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	19.99	20.05	20.00	20.50
		1	2	20.14	20.12	20.06	20.50
		1	5	20.08	20.22	20.06	20.50
		3	0	19.89	19.96	20.00	20.50
		3	1	20.00	19.93	20.01	20.50
		3	3	20.05	19.99	20.06	20.50
		6	0	18.96	19.05	19.00	19.50
	16QAM	1	0	19.01	19.02	19.07	19.50

		1	2	19.03	19.06	18.97	19.50
		1	5	19.05	19.15	19.10	19.50
		3	0	19.29	19.24	19.17	19.50
		3	1	19.17	19.21	19.14	19.50
		3	3	19.32	19.22	19.21	19.50
		6	0	18.19	18.31	18.27	18.50
	64QAM	1	0	18.27	18.39	18.31	18.50
		1	2	18.34	18.34	18.30	18.50
		1	5	18.49	18.41	18.41	18.50
		3	0	18.16	18.34	18.26	18.50
		3	1	18.19	18.24	18.22	18.50
		3	3	18.21	18.24	18.29	18.50
		6	0	17.23	17.24	17.28	17.50
	256QAM	1	0	15.20	15.21	15.14	15.50
		1	2	15.09	15.10	15.09	15.50
		1	5	15.06	15.18	15.09	15.50
		3	0	15.18	15.13	15.11	15.50
		3	1	15.05	15.11	15.17	15.50
		3	3	15.11	15.20	15.20	15.50
		6	0	15.08	15.19	15.22	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	20.08	20.12	19.96	20.50
		1	7	20.07	20.10	20.04	20.50
		1	14	20.14	20.18	20.09	20.50
		8	0	18.97	19.00	18.98	19.50
		8	4	19.04	19.03	19.03	19.50
		8	7	18.95	19.02	18.98	19.50
		15	0	19.07	19.00	19.01	19.50
	16QAM	1	0	19.05	19.02	19.07	19.50
		1	7	19.02	19.05	19.04	19.50
		1	14	19.06	19.16	19.01	19.50
		8	0	18.26	18.17	18.14	18.50
		8	4	18.19	18.21	18.21	18.50
		8	7	18.24	18.31	18.17	18.50
		15	0	18.18	18.24	18.30	18.50
	64QAM	1	0	18.22	18.42	18.31	18.50
		1	7	18.38	18.28	18.20	18.50
		1	14	18.34	18.31	18.32	18.50
		8	0	17.21	17.31	17.30	17.50
		8	4	17.20	17.27	17.28	17.50
		8	7	17.25	17.29	17.26	17.50
		15	0	17.20	17.35	17.25	17.50
	256QAM	1	0	15.25	15.18	15.21	15.50
		1	7	15.13	15.21	15.07	15.50
		1	14	15.15	15.11	15.06	15.50
		8	0	15.10	15.21	15.07	15.50
		8	4	15.08	15.14	15.18	15.50
		8	7	15.12	15.21	15.25	15.50
		15	0	15.06	15.17	15.26	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	19.99	20.11	19.99	20.50
		1	13	20.06	20.17	20.01	20.50
		1	24	20.14	20.13	20.07	20.50
		12	0	18.98	18.92	19.01	19.50
		12	6	18.99	19.03	18.90	19.50
		12	13	18.95	19.01	19.10	19.50
		25	0	19.05	18.95	19.09	19.50
	16QAM	1	0	18.97	19.10	19.11	19.50
		1	13	19.03	19.13	19.01	19.50
		1	24	19.07	19.06	19.02	19.50
		12	0	18.25	18.26	18.18	18.50
		12	6	18.23	18.17	18.25	18.50
		12	13	18.26	18.30	18.15	18.50
		25	0	18.14	18.24	18.33	18.50
	64QAM	1	0	18.26	18.29	18.39	18.50
		1	13	18.31	18.39	18.27	18.50
		1	24	18.29	18.38	18.34	18.50
		12	0	17.21	17.25	17.30	17.50
		12	6	17.28	17.24	17.20	17.50
		12	13	17.27	17.33	17.24	17.50

	256QAM	25	0	17.25	17.28	17.21	17.50
		1	0	15.25	15.28	15.22	15.50
		1	13	15.14	15.21	15.04	15.50
		1	24	15.11	15.22	15.17	15.50
		12	0	15.13	15.13	15.13	15.50
		12	6	15.13	15.18	15.19	15.50
		12	13	15.23	15.19	15.22	15.50
		25	0	15.05	15.17	15.26	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	19.97	20.10	19.98	20.50
		1	25	20.13	20.11	20.06	20.50
		1	49	20.10	20.13	20.15	20.50
		25	0	18.87	19.00	18.99	19.50
		25	13	18.92	19.04	19.02	19.50
		25	25	19.00	19.03	19.07	19.50
		50	0	19.07	19.07	19.03	19.50
	16QAM	1	0	19.02	19.12	19.13	19.50
		1	25	18.93	19.11	18.97	19.50
		1	49	19.00	19.12	19.09	19.50
		25	0	18.20	18.19	18.07	18.50
		25	13	18.14	18.17	18.23	18.50
		25	25	18.30	18.33	18.23	18.50
		50	0	18.19	18.28	18.27	18.50
	64QAM	1	0	18.32	18.36	18.32	18.50
		1	25	18.34	18.37	18.28	18.50
		1	49	18.32	18.39	18.31	18.50
		25	0	17.21	17.32	17.31	17.50
		25	13	17.23	17.25	17.28	17.50
		25	25	17.19	17.28	17.25	17.50
		50	0	17.21	17.25	17.23	17.50
	256QAM	1	0	15.21	15.28	15.15	15.50
		1	25	15.21	15.09	15.07	15.50
		1	49	15.17	15.15	15.07	15.50
		25	0	15.09	15.18	15.09	15.50
		25	13	15.07	15.11	15.11	15.50
		25	25	15.11	15.17	15.27	15.50
		50	0	15.14	15.20	15.15	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	20.03	20.06	20.04	20.50
		1	38	20.04	20.16	20.03	20.50
		1	74	20.19	20.20	20.15	20.50
		36	0	18.95	18.94	19.04	19.50
		36	18	18.93	19.03	18.97	19.50
		36	39	18.93	18.96	19.10	19.50
		75	0	19.05	19.04	19.05	19.50
	16QAM	1	0	18.97	19.07	19.13	19.50
		1	38	18.97	19.08	19.05	19.50
		1	74	19.08	19.04	19.05	19.50
		36	0	18.23	18.22	18.15	18.50
		36	18	18.22	18.16	18.23	18.50
		36	39	18.25	18.34	18.21	18.50
		75	0	18.25	18.31	18.25	18.50
	64QAM	1	0	18.26	18.30	18.38	18.50
		1	38	18.33	18.36	18.22	18.50
		1	74	18.28	18.32	18.35	18.50
		36	0	17.18	17.23	17.34	17.50
		36	18	17.25	17.27	17.21	17.50
		36	39	17.19	17.33	17.28	17.50
		75	0	17.19	17.33	17.22	17.50
	256QAM	1	0	15.25	15.22	15.17	15.50
		1	38	15.11	15.19	15.05	15.50
		1	74	15.17	15.18	15.14	15.50
		36	0	15.09	15.18	15.13	15.50
		36	18	15.14	15.13	15.10	15.50
		36	39	15.20	15.15	15.16	15.50
		75	0	15.16	15.26	15.22	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	20.06	20.10	20.05	20.50
		1	50	20.14	20.16	20.11	20.50

		1	99	20.18	20.23	20.16	20.50
		50	0	18.97	19.01	19.02	19.50
		50	25	19.01	19.03	19.00	19.50
		50	50	19.03	19.05	19.07	19.50
		100	0	19.04	19.04	19.07	19.50
	16QAM	1	0	19.06	19.10	19.10	19.50
		1	50	19.02	19.11	19.05	19.50
		1	99	19.10	19.14	19.11	19.50
		50	0	18.26	18.27	18.17	18.50
		50	25	18.22	18.26	18.24	18.50
		50	50	18.31	18.32	18.22	18.50
		100	0	18.23	18.31	18.30	18.50
	64QAM	1	0	18.32	18.39	18.37	18.50
		1	50	18.38	18.38	18.29	18.50
		1	99	18.39	18.27	18.31	18.50
		50	0	17.22	17.32	17.33	17.50
		50	25	17.29	17.33	17.28	17.50
		50	50	17.26	17.34	17.29	17.50
		100	0	17.28	17.34	17.31	17.50
	256QAM	1	0	15.27	15.25	15.22	15.50
		1	50	15.18	15.19	15.12	15.50
		1	99	15.16	15.20	15.15	15.50
		50	0	15.18	15.23	15.16	15.50
		50	25	15.13	15.19	15.20	15.50
		50	50	15.21	15.22	15.24	15.50
		100	0	15.14	15.24	15.24	15.50

1.3 Conducted Power of LTE Ant3

LTE Band 2 Receiver on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.21	23.05	23.15	23.50
		1	2	23.09	23.07	23.06	23.50
		1	5	23.03	23.05	23.04	23.50
		3	0	23.19	23.14	23.12	23.50
		3	2	23.14	23.01	23.00	23.50
		3	3	23.16	23.03	23.08	23.50
		6	0	22.34	22.23	22.27	22.50
	16QAM	1	0	22.50	22.35	22.48	22.50
		1	2	22.39	22.35	22.19	22.50
		1	5	22.32	22.32	22.33	22.50
		3	0	22.47	22.36	22.44	22.50
		3	2	22.35	22.37	22.30	22.50
		3	3	22.36	22.44	22.37	22.50
		6	0	21.31	21.30	21.30	21.50
	64QAM	1	0	21.44	21.42	21.35	21.50
		1	2	21.34	21.16	21.33	21.50
		1	5	21.26	21.19	21.33	21.50
		3	0	21.37	21.33	21.35	21.50
		3	2	21.22	21.14	21.29	21.50
		3	3	21.27	21.16	21.20	21.50
		6	0	20.32	20.45	20.35	20.50
	256QAM	1	0	18.42	18.46	18.38	18.50
		1	2	18.38	18.17	18.36	18.50
		1	5	18.33	18.37	18.37	18.50
		3	0	18.42	18.38	18.36	18.50
		3	2	18.43	18.41	18.31	18.50
		3	3	18.44	18.39	18.41	18.50
		6	0	18.46	18.43	18.33	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.20	23.17	23.09	23.50
		1	7	23.14	23.05	23.13	23.50
		1	14	23.10	23.06	23.10	23.50
		8	0	22.35	22.22	22.25	22.50
		8	4	22.30	22.21	22.28	22.50
		8	7	22.32	22.29	22.26	22.50
		15	0	22.20	22.15	22.21	22.50
	16QAM	1	0	22.46	22.36	22.47	22.50
		1	7	22.38	22.38	22.30	22.50

		1	14	22.42	22.34	22.33	22.50
		8	0	21.30	21.32	21.30	21.50
		8	4	21.34	21.35	21.23	21.50
		8	7	21.32	21.32	21.34	21.50
		15	0	21.28	21.28	21.29	21.50
	64QAM	1	0	21.50	21.40	21.37	21.50
		1	7	21.25	21.14	21.39	21.50
		1	14	21.21	21.17	21.31	21.50
		8	0	20.38	20.32	20.39	20.50
		8	4	20.48	20.32	20.36	20.50
		8	7	20.34	20.44	20.44	20.50
		15	0	20.40	20.36	20.36	20.50
	256QAM	1	0	18.32	18.31	18.34	18.50
		1	7	18.36	18.23	18.34	18.50
		1	14	18.34	18.33	18.42	18.50
		8	0	18.36	18.31	18.30	18.50
		8	4	18.38	18.35	18.40	18.50
		8	7	18.49	18.34	18.41	18.50
		15	0	18.39	18.47	18.42	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.12	23.12	23.10	23.50
		1	13	23.11	22.99	23.07	23.50
		1	24	23.09	22.97	23.11	23.50
		12	0	22.35	22.22	22.24	22.50
		12	6	22.25	22.31	22.32	22.50
		12	13	22.32	22.20	22.20	22.50
		25	0	22.20	22.11	22.23	22.50
	16QAM	1	0	22.33	22.37	22.44	22.50
		1	13	22.37	22.35	22.27	22.50
		1	24	22.32	22.33	22.34	22.50
		12	0	21.31	21.21	21.41	21.50
		12	6	21.33	21.33	21.33	21.50
		12	13	21.28	21.29	21.30	21.50
		25	0	21.30	21.36	21.23	21.50
	64QAM	1	0	21.38	21.35	21.40	21.50
		1	13	21.23	21.20	21.24	21.50
		1	24	21.26	21.20	21.24	21.50
		12	0	20.40	20.41	20.36	20.50
		12	6	20.49	20.39	20.32	20.50
		12	13	20.34	20.40	20.38	20.50
		25	0	20.34	20.35	20.23	20.50
	256QAM	1	0	18.31	18.31	18.36	18.50
		1	13	18.28	18.30	18.35	18.50
		1	24	18.45	18.41	18.35	18.50
		12	0	18.38	18.29	18.32	18.50
		12	6	18.46	18.45	18.32	18.50
		12	13	18.44	18.39	18.39	18.50
		25	0	18.45	18.42	18.35	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.18	23.08	23.07	23.50
		1	25	23.09	23.08	22.98	23.50
		1	49	23.11	23.00	23.01	23.50
		25	0	22.23	22.25	22.22	22.50
		25	13	22.26	22.30	22.19	22.50
		25	25	22.30	22.23	22.25	22.50
		50	0	22.34	22.22	22.30	22.50
	16QAM	1	0	22.43	22.37	22.41	22.50
		1	25	22.40	22.39	22.31	22.50
		1	49	22.31	22.30	22.33	22.50
		25	0	21.23	21.29	21.41	21.50
		25	13	21.32	21.42	21.22	21.50
		25	25	21.30	21.19	21.21	21.50
		50	0	21.31	21.32	21.24	21.50
	64QAM	1	0	21.36	21.38	21.36	21.50
		1	25	21.34	21.21	21.32	21.50
		1	49	21.19	21.21	21.22	21.50
		25	0	20.43	20.34	20.35	20.50
		25	13	20.42	20.40	20.36	20.50
		25	25	20.47	20.38	20.45	20.50
		50	0	20.46	20.36	20.32	20.50

	256QAM	1	0	18.38	18.44	18.31	18.50
		1	25	18.31	18.28	18.31	18.50
		1	49	18.35	18.29	18.42	18.50
		25	0	18.44	18.35	18.29	18.50
		25	13	18.33	18.42	18.40	18.50
		25	25	18.40	18.42	18.49	18.50
		50	0	18.40	18.40	18.39	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.20	23.16	23.09	23.50
		1	38	23.11	23.14	23.11	23.50
		1	74	23.04	23.03	23.12	23.50
		36	0	22.33	22.12	22.25	22.50
		36	18	22.36	22.23	22.25	22.50
		36	39	22.33	22.19	22.25	22.50
		75	0	22.20	22.12	22.29	22.50
	16QAM	1	0	22.43	22.39	22.39	22.50
		1	38	22.28	22.36	22.30	22.50
		1	74	22.34	22.42	22.32	22.50
		36	0	21.30	21.32	21.31	21.50
		36	18	21.35	21.38	21.18	21.50
		36	39	21.29	21.19	21.30	21.50
		75	0	21.28	21.34	21.31	21.50
	64QAM	1	0	21.49	21.41	21.43	21.50
		1	38	21.28	21.24	21.36	21.50
		1	74	21.33	21.15	21.20	21.50
		36	0	20.45	20.37	20.31	20.50
		36	18	20.46	20.35	20.38	20.50
		36	39	20.42	20.42	20.42	20.50
		75	0	20.38	20.45	20.29	20.50
	256QAM	1	0	18.37	18.32	18.35	18.50
		1	38	18.27	18.24	18.28	18.50
		1	74	18.32	18.34	18.44	18.50
		36	0	18.33	18.43	18.41	18.50
		36	18	18.37	18.42	18.44	18.50
		36	39	18.41	18.36	18.46	18.50
		75	0	18.35	18.42	18.42	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.28	23.14	23.13	23.50
		1	50	23.19	23.11	23.10	23.50
		1	99	23.15	23.05	23.09	23.50
		50	0	22.33	22.23	22.25	22.50
		50	25	22.35	22.33	22.30	22.50
		50	50	22.34	22.26	22.23	22.50
		100	0	22.31	22.21	22.30	22.50
	16QAM	1	0	22.48	22.38	22.46	22.50
		1	50	22.39	22.37	22.29	22.50
		1	99	22.40	22.41	22.36	22.50
		50	0	21.35	21.31	21.38	21.50
		50	25	21.36	21.39	21.30	21.50
		50	50	21.34	21.31	21.31	21.50
		100	0	21.33	21.35	21.29	21.50
	64QAM	1	0	21.48	21.41	21.40	21.50
		1	50	21.34	21.23	21.36	21.50
		1	99	21.31	21.21	21.32	21.50
		50	0	20.43	20.38	20.36	20.50
		50	25	20.48	20.38	20.41	20.50
		50	50	20.45	20.42	20.42	20.50
		100	0	20.43	20.44	20.33	20.50
	256QAM	1	0	18.43	18.43	18.35	18.50
		1	50	18.37	18.29	18.40	18.50
		1	99	18.42	18.41	18.44	18.50
		50	0	18.45	18.40	18.40	18.50
		50	25	18.44	18.45	18.41	18.50
		50	50	18.46	18.44	18.49	18.50
		100	0	18.45	18.46	18.42	18.50

LTE Band 2 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 18607	Channel 18900	Channel 19193	Tune up
1.4MHz	QPSK	1	0	17.53	17.34	17.43	18.00
		1	2	17.42	17.21	17.38	18.00
		1	5	17.36	17.47	17.32	18.00
		3	0	17.30	17.32	17.23	18.00
		3	2	17.38	17.26	17.29	18.00
		3	3	17.40	17.24	17.20	18.00
		6	0	16.44	16.27	16.34	17.00
	16QAM	1	0	16.36	16.25	16.32	17.00
		1	2	16.26	16.38	16.28	17.00
		1	5	16.31	16.35	16.31	17.00
		3	0	16.44	16.46	16.36	17.00
		3	2	16.35	16.39	16.32	17.00
		3	3	16.38	16.46	16.27	17.00
		6	0	15.32	15.41	15.33	16.00
	64QAM	1	0	15.48	15.50	15.42	16.00
		1	2	15.31	15.21	15.23	16.00
		1	5	15.38	15.37	15.19	16.00
		3	0	15.40	15.35	15.39	16.00
		3	2	15.37	15.34	15.33	16.00
		3	3	15.40	15.28	15.32	16.00
		6	0	14.35	14.24	14.34	15.00
	256QAM	1	0	14.39	14.37	14.37	15.00
		1	2	14.42	14.26	14.29	15.00
		1	5	14.41	14.30	14.38	15.00
		3	0	14.43	14.40	14.33	15.00
		3	2	14.33	14.29	14.24	15.00
		3	3	14.27	14.18	14.23	15.00
		6	0	14.32	14.30	14.31	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 18615	Channel 18900	Channel 19185	Tune up
3MHz	QPSK	1	0	17.51	17.41	17.36	18.00
		1	7	17.47	17.26	17.31	18.00
		1	14	17.42	17.36	17.31	18.00
		8	0	16.32	16.36	16.21	17.00
		8	4	16.35	16.34	16.26	17.00
		8	7	16.45	16.23	16.18	17.00
		15	0	16.40	16.27	16.37	17.00
	16QAM	1	0	16.44	16.27	16.28	17.00
		1	7	16.27	16.28	16.31	17.00
		1	14	16.29	16.20	16.19	17.00
		8	0	15.33	15.46	15.37	16.00
		8	4	15.33	15.44	15.32	16.00
		8	7	15.39	15.44	15.29	16.00
		15	0	15.42	15.40	15.38	16.00
	64QAM	1	0	15.45	15.47	15.29	16.00
		1	7	15.25	15.23	15.29	16.00
		1	14	15.27	15.29	15.26	16.00
		8	0	14.41	14.38	14.40	15.00
		8	4	14.44	14.28	14.33	15.00
		8	7	14.35	14.34	14.41	15.00
		15	0	14.36	14.26	14.22	15.00
	256QAM	1	0	14.40	14.52	14.36	15.00
		1	7	14.36	14.25	14.26	15.00
		1	14	14.47	14.34	14.37	15.00
		8	0	14.40	14.31	14.33	15.00
		8	4	14.38	14.36	14.34	15.00
		8	7	14.36	14.29	14.28	15.00
		15	0	14.41	14.21	14.22	15.00
Bandwidth	Modulation	RB size	RB offset	Channel 18625	Channel 18900	Channel 19175	Tune up
5MHz	QPSK	1	0	17.54	17.36	17.40	18.00
		1	13	17.35	17.33	17.38	18.00
		1	24	17.45	17.46	17.35	18.00
		12	0	16.35	16.32	16.20	17.00
		12	6	16.38	16.31	16.23	17.00
		12	13	16.47	16.27	16.19	17.00
		25	0	16.38	16.30	16.39	17.00

	16QAM	1	0	16.38	16.29	16.31	17.00
		1	13	16.40	16.28	16.30	17.00
		1	24	16.25	16.22	16.24	17.00
		12	0	15.33	15.42	15.31	16.00
		12	6	15.36	15.46	15.41	16.00
		12	13	15.39	15.38	15.31	16.00
		25	0	15.42	15.42	15.28	16.00
	64QAM	1	0	15.37	15.47	15.29	16.00
		1	13	15.39	15.24	15.18	16.00
		1	24	15.29	15.38	15.30	16.00
		12	0	14.34	14.36	14.47	15.00
		12	6	14.35	14.27	14.37	15.00
		12	13	14.34	14.25	14.41	15.00
		25	0	14.31	14.25	14.24	15.00
	256QAM	1	0	14.48	14.39	14.40	15.00
		1	13	14.32	14.26	14.33	15.00
		1	24	14.39	14.37	14.43	15.00
		12	0	14.35	14.30	14.30	15.00
		12	6	14.36	14.35	14.33	15.00
		12	13	14.40	14.21	14.23	15.00
		25	0	14.42	14.32	14.25	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	18650	18900	19150	
		1	25	17.48	17.37	17.44	18.00
		1	49	17.36	17.31	17.34	18.00
		1	49	17.35	17.42	17.24	18.00
		25	0	16.26	16.29	16.17	17.00
		25	13	16.43	16.29	16.28	17.00
		25	25	16.47	16.21	16.28	17.00
	16QAM	50	0	16.41	16.30	16.41	17.00
		1	0	16.32	16.34	16.28	17.00
		1	25	16.40	16.27	16.27	17.00
		1	49	16.36	16.26	16.28	17.00
		25	0	15.38	15.32	15.40	16.00
		25	13	15.43	15.37	15.31	16.00
		25	25	15.45	15.44	15.33	16.00
	64QAM	50	0	15.44	15.42	15.28	16.00
		1	0	15.41	15.44	15.41	16.00
		1	25	15.31	15.24	15.24	16.00
		1	49	15.28	15.41	15.22	16.00
		25	0	14.37	14.40	14.36	15.00
		25	13	14.32	14.29	14.38	15.00
		25	25	14.49	14.29	14.43	15.00
	256QAM	50	0	14.31	14.34	14.23	15.00
		1	0	14.36	14.44	14.43	15.00
		1	25	14.33	14.37	14.32	15.00
		1	49	14.34	14.30	14.37	15.00
		25	0	14.32	14.34	14.26	15.00
		25	13	14.36	14.30	14.24	15.00
		25	25	14.38	14.26	14.31	15.00
15MHz	QPSK	50	0	14.37	14.30	14.31	15.00
		1	0	18675	18900	19125	
		1	38	17.50	17.33	17.33	18.00
		1	74	17.34	17.26	17.40	18.00
		1	74	17.44	17.39	17.31	18.00
		36	0	16.34	16.32	16.21	17.00
		36	18	16.43	16.27	16.24	17.00
	16QAM	36	39	16.45	16.27	16.29	17.00
		75	0	16.46	16.41	16.35	17.00
		1	0	16.40	16.26	16.32	17.00
		1	38	16.26	16.32	16.30	17.00
		1	74	16.32	16.20	16.32	17.00
		36	0	15.33	15.40	15.37	16.00
		36	18	15.42	15.38	15.43	16.00
	64QAM	36	39	15.33	15.38	15.39	16.00
		75	0	15.35	15.31	15.24	16.00
		1	0	15.50	15.39	15.42	16.00
		1	38	15.34	15.33	15.22	16.00
		1	74	15.27	15.35	15.29	16.00
		36	0	14.39	14.31	14.34	15.00
		36	18	14.40	14.31	14.31	15.00

		36	39	14.37	14.29	14.45	15.00
		75	0	14.35	14.21	14.21	15.00
	256QAM	1	0	14.49	14.44	14.50	15.00
		1	38	14.40	14.36	14.28	15.00
		1	74	14.48	14.38	14.31	15.00
		36	0	14.32	14.27	14.22	15.00
		36	18	14.31	14.33	14.29	15.00
		36	39	14.35	14.15	14.23	15.00
		75	0	14.41	14.23	14.34	15.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.56	17.45	17.44	18.00
		1	50	17.45	17.33	17.43	18.00
		1	99	17.43	17.46	17.34	18.00
		50	0	16.35	16.33	16.27	17.00
		50	25	16.43	16.36	16.29	17.00
		50	50	16.40	16.32	16.27	17.00
		100	0	16.47	16.39	16.41	17.00
	16QAM	1	0	16.44	16.36	16.35	17.00
		1	50	16.38	16.39	16.35	17.00
		1	99	16.37	16.32	16.31	17.00
		50	0	15.44	15.43	15.42	16.00
		50	25	15.45	15.46	15.43	16.00
		50	50	15.43	15.46	15.36	16.00
		100	0	15.42	15.40	15.35	16.00
	64QAM	1	0	15.47	15.49	15.39	16.00
		1	50	15.36	15.31	15.30	16.00
		1	99	15.36	15.39	15.28	16.00
		50	0	14.42	14.37	14.44	15.00
		50	25	14.43	14.38	14.39	15.00
		50	50	14.46	14.36	14.42	15.00
		100	0	14.41	14.32	14.31	15.00
	256QAM	1	0	14.46	14.49	14.47	15.00
		1	50	14.41	14.36	14.30	15.00
		1	99	14.46	14.37	14.41	15.00
		50	0	14.42	14.37	14.34	15.00
		50	25	14.35	14.34	14.35	15.00
		50	50	14.38	14.26	14.30	15.00
		100	0	14.40	14.32	14.32	15.00

LTE Band 2 Receiver off Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	22.16	22.11	22.13	22.50
		1	2	21.98	21.92	21.92	22.50
		1	5	22.19	21.94	21.90	22.50
		3	0	22.14	22.10	22.15	22.50
		3	2	22.10	22.20	22.19	22.50
		3	3	22.25	22.13	22.18	22.50
		6	0	21.40	21.27	21.22	21.50
	16QAM	1	0	21.40	21.42	21.37	21.50
		1	2	21.29	21.34	21.30	21.50
		1	5	21.30	21.30	21.33	21.50
		3	0	21.34	21.26	21.22	21.50
		3	2	21.30	21.18	21.13	21.50
		3	3	21.21	21.27	21.27	21.50
		6	0	20.31	20.25	20.31	20.50
	64QAM	1	0	20.40	20.21	20.24	20.50
		1	2	20.36	20.20	20.14	20.50
		1	5	20.15	20.18	20.24	20.50
		3	0	20.41	20.28	20.26	20.50
		3	2	20.33	20.24	20.39	20.50
		3	3	20.31	20.30	20.31	20.50
		6	0	19.42	19.32	19.17	19.50
	256QAM	1	0	17.33	17.13	17.24	17.50
		1	2	17.32	17.42	17.31	17.50

		1	5	17.27	17.44	17.30	17.50
		3	0	17.41	17.16	17.33	17.50
		3	2	17.32	17.25	17.19	17.50
		3	3	17.37	17.35	17.38	17.50
		6	0	17.36	17.28	17.31	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	22.20	22.18	22.11	22.50
		1	7	22.03	22.01	22.03	22.50
		1	14	22.19	21.91	21.85	22.50
		8	0	21.25	21.17	21.19	21.50
		8	4	21.31	21.21	21.31	21.50
		8	7	21.29	21.31	21.32	21.50
		15	0	21.33	21.33	21.19	21.50
	16QAM	1	0	21.38	21.42	21.38	21.50
		1	7	21.28	21.39	21.29	21.50
		1	14	21.29	21.36	21.22	21.50
		8	0	20.43	20.20	20.28	20.50
		8	4	20.18	20.09	20.25	20.50
		8	7	20.32	20.30	20.16	20.50
		15	0	20.26	20.25	20.38	20.50
	64QAM	1	0	20.43	20.20	20.28	20.50
		1	7	20.37	20.27	20.18	20.50
		1	14	20.19	20.21	20.09	20.50
		8	0	19.41	19.21	19.20	19.50
		8	4	19.44	19.32	19.39	19.50
		8	7	19.44	19.41	19.28	19.50
		15	0	19.34	19.34	19.19	19.50
	256QAM	1	0	17.47	17.26	17.37	17.50
		1	7	17.28	17.35	17.34	17.50
		1	14	17.24	17.43	17.39	17.50
		8	0	17.46	17.20	17.24	17.50
		8	4	17.24	17.30	17.27	17.50
		8	7	17.30	17.34	17.43	17.50
		15	0	17.27	17.24	17.42	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	22.20	22.14	22.06	22.50
		1	13	21.98	21.87	21.91	22.50
		1	24	22.16	21.95	21.90	22.50
		12	0	21.28	21.22	21.16	21.50
		12	6	21.41	21.29	21.36	21.50
		12	13	21.20	21.39	21.32	21.50
		25	0	21.26	21.35	21.30	21.50
	16QAM	1	0	21.43	21.33	21.29	21.50
		1	13	21.38	21.29	21.22	21.50
		1	24	21.26	21.30	21.26	21.50
		12	0	20.35	20.27	20.28	20.50
		12	6	20.19	20.11	20.28	20.50
		12	13	20.30	20.28	20.17	20.50
		25	0	20.37	20.19	20.37	20.50
	64QAM	1	0	20.32	20.29	20.23	20.50
		1	13	20.39	20.21	20.22	20.50
		1	24	20.18	20.32	20.24	20.50
		12	0	19.39	19.22	19.16	19.50
		12	6	19.33	19.36	19.39	19.50
		12	13	19.41	19.34	19.26	19.50
		25	0	19.37	19.42	19.31	19.50
	256QAM	1	0	17.44	17.22	17.36	17.50
		1	13	17.36	17.31	17.28	17.50
		1	24	17.26	17.32	17.27	17.50
		12	0	17.43	17.13	17.26	17.50
		12	6	17.29	17.30	17.28	17.50

		12	13	17.26	17.37	17.48	17.50
		25	0	17.32	17.21	17.31	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	22.21	22.09	22.14	22.50
		1	25	21.97	21.93	22.05	22.50
		1	49	22.13	21.98	21.99	22.50
		25	0	21.28	21.21	21.17	21.50
		25	13	21.32	21.28	21.22	21.50
		25	25	21.24	21.33	21.29	21.50
		50	0	21.27	21.34	21.21	21.50
	16QAM	1	0	21.31	21.45	21.37	21.50
		1	25	21.28	21.28	21.32	21.50
		1	49	21.33	21.36	21.24	21.50
		25	0	20.37	20.22	20.33	20.50
		25	13	20.18	20.21	20.17	20.50
		25	25	20.24	20.16	20.22	20.50
		50	0	20.26	20.11	20.40	20.50
	64QAM	1	0	20.28	20.30	20.31	20.50
		1	25	20.30	20.20	20.28	20.50
		1	49	20.17	20.17	20.23	20.50
		25	0	19.27	19.31	19.23	19.50
		25	13	19.43	19.32	19.50	19.50
		25	25	19.30	19.34	19.34	19.50
		50	0	19.34	19.33	19.18	19.50
	256QAM	1	0	17.35	17.26	17.22	17.50
		1	25	17.33	17.46	17.40	17.50
		1	49	17.24	17.29	17.32	17.50
		25	0	17.39	17.26	17.34	17.50
		25	13	17.26	17.37	17.19	17.50
		25	25	17.31	17.28	17.39	17.50
		50	0	17.24	17.15	17.31	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	22.21	22.07	22.11	22.50
		1	38	21.98	21.92	21.91	22.50
		1	74	22.12	21.91	21.93	22.50
		36	0	21.32	21.16	21.15	21.50
		36	18	21.26	21.21	21.22	21.50
		36	39	21.30	21.40	21.29	21.50
		75	0	21.41	21.32	21.17	21.50
	16QAM	1	0	21.42	21.39	21.31	21.50
		1	38	21.39	21.37	21.24	21.50
		1	74	21.22	21.39	21.26	21.50
		36	0	20.39	20.32	20.36	20.50
		36	18	20.32	20.22	20.25	20.50
		36	39	20.23	20.19	20.20	20.50
		75	0	20.34	20.19	20.26	20.50
	64QAM	1	0	20.33	20.26	20.28	20.50
		1	38	20.40	20.14	20.15	20.50
		1	74	20.24	20.25	20.24	20.50
		36	0	19.33	19.35	19.27	19.50
		36	18	19.36	19.34	19.32	19.50
		36	39	19.49	19.27	19.30	19.50
		75	0	19.33	19.37	19.29	19.50
	256QAM	1	0	17.46	17.15	17.27	17.50
		1	38	17.36	17.33	17.25	17.50
		1	74	17.23	17.34	17.30	17.50
		36	0	17.43	17.23	17.24	17.50
		36	18	17.38	17.31	17.31	17.50
		36	39	17.34	17.37	17.34	17.50
		75	0	17.38	17.19	17.40	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up

				18700	18900	19100	
20MHz	QPSK	1	0	22.23	22.18	22.16	22.50
		1	50	22.08	21.99	22.03	22.50
		1	99	22.17	22.02	21.97	22.50
		50	0	21.33	21.21	21.18	21.50
		50	25	21.38	21.30	21.34	21.50
		50	50	21.27	21.39	21.35	21.50
		100	0	21.38	21.37	21.28	21.50
	16QAM	1	0	21.41	21.45	21.39	21.50
		1	50	21.40	21.40	21.32	21.50
		1	99	21.33	21.38	21.34	21.50
		50	0	20.42	20.31	20.34	20.50
		50	25	20.30	20.21	20.25	20.50
		50	50	20.32	20.27	20.24	20.50
		100	0	20.34	20.23	20.38	20.50
	64QAM	1	0	20.40	20.28	20.33	20.50
		1	50	20.38	20.24	20.25	20.50
		1	99	20.25	20.29	20.21	20.50
		50	0	19.38	19.33	19.25	19.50
		50	25	19.44	19.34	19.50	19.50
		50	50	19.48	19.39	19.31	19.50
		100	0	19.40	19.44	19.28	19.50
	256QAM	1	0	17.44	17.25	17.34	17.50
		1	50	17.33	17.43	17.37	17.50
		1	99	17.34	17.41	17.36	17.50
		50	0	17.47	17.24	17.31	17.50
		50	25	17.36	17.35	17.29	17.50
		50	50	17.34	17.34	17.45	17.50
		100	0	17.35	17.27	17.41	17.50

LTE Band 12 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up
1.4MHz	QPSK	1	0	23.31	23.30	23.17	23.50
		1	2	23.35	23.36	23.18	23.50
		1	5	23.38	23.31	23.33	23.50
		3	0	23.23	23.25	23.30	23.50
		3	2	23.27	23.23	23.26	23.50
		3	3	23.28	23.38	23.25	23.50
		6	0	22.14	22.35	22.25	22.50
	16QAM	1	0	22.24	22.44	22.30	22.50
		1	2	22.36	22.36	22.32	22.50
		1	5	22.39	22.43	22.31	22.50
		3	0	22.32	22.37	22.44	22.50
		3	2	22.22	22.35	22.45	22.50
		3	3	22.26	22.34	22.40	22.50
		6	0	21.27	21.26	21.29	21.50
	64QAM	1	0	21.28	21.26	21.26	21.50
		1	2	21.28	21.34	21.41	21.50
		1	5	21.39	21.47	21.28	21.50
		3	0	21.35	21.28	21.37	21.50
		3	2	21.36	21.37	21.39	21.50
		3	3	21.33	21.48	21.38	21.50
		6	0	20.36	20.32	20.26	20.50
	256QAM	1	0	18.28	18.33	18.13	18.50
		1	2	18.16	18.24	18.14	18.50
		1	5	18.27	18.37	18.25	18.50
		3	0	18.15	18.25	18.23	18.50
		3	2	18.28	18.26	18.22	18.50
		3	3	18.24	18.37	18.29	18.50
		6	0	18.29	18.28	18.28	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 23025	Channel 23095	Channel 23165	Tune up

3MHz	QPSK	1	0	23.31	23.32	23.29	23.50
		1	7	23.33	23.37	23.17	23.50
		1	14	23.37	23.38	23.20	23.50
		8	0	22.36	22.25	22.28	22.50
		8	4	22.27	22.35	22.38	22.50
		8	7	22.34	22.38	22.24	22.50
		15	0	22.17	22.24	22.30	22.50
	16QAM	1	0	22.32	22.37	22.35	22.50
		1	7	22.26	22.41	22.34	22.50
		1	14	22.30	22.36	22.38	22.50
		8	0	21.24	21.32	21.40	21.50
		8	4	21.37	21.42	21.42	21.50
		8	7	21.41	21.35	21.30	21.50
		15	0	21.23	21.29	21.27	21.50
	64QAM	1	0	21.37	21.29	21.28	21.50
		1	7	21.38	21.42	21.44	21.50
		1	14	21.45	21.45	21.40	21.50
		8	0	20.31	20.31	20.32	20.50
		8	4	20.32	20.44	20.38	20.50
		8	7	20.34	20.39	20.29	20.50
		15	0	20.36	20.30	20.29	20.50
	256QAM	1	0	18.26	18.26	18.17	18.50
		1	7	18.11	18.30	18.25	18.50
		1	14	18.22	18.34	18.28	18.50
		8	0	18.21	18.28	18.32	18.50
		8	4	18.29	18.25	18.23	18.50
		8	7	18.33	18.24	18.27	18.50
		15	0	18.39	18.37	18.20	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.21	23.30	23.28	23.50
		1	13	23.24	23.32	23.19	23.50
		1	24	23.28	23.28	23.29	23.50
		12	0	22.38	22.33	22.28	22.50
		12	6	22.28	22.38	22.35	22.50
		12	13	22.30	22.28	22.26	22.50
		25	0	22.20	22.22	22.22	22.50
	16QAM	1	0	22.23	22.41	22.42	22.50
		1	13	22.25	22.40	22.38	22.50
		1	24	22.30	22.37	22.38	22.50
		12	0	21.20	21.35	21.36	21.50
		12	6	21.42	21.48	21.31	21.50
		12	13	21.30	21.33	21.39	21.50
		25	0	21.25	21.39	21.22	21.50
	64QAM	1	0	21.33	21.34	21.28	21.50
		1	13	21.31	21.32	21.34	21.50
		1	24	21.34	21.41	21.38	21.50
		12	0	20.25	20.40	20.28	20.50
		12	6	20.31	20.47	20.37	20.50
		12	13	20.37	20.39	20.33	20.50
		25	0	20.34	20.27	20.37	20.50
	256QAM	1	0	18.22	18.30	18.13	18.50
		1	13	18.16	18.34	18.17	18.50
		1	24	18.32	18.26	18.21	18.50
		12	0	18.15	18.26	18.32	18.50
		12	6	18.24	18.32	18.14	18.50
		12	13	18.21	18.28	18.28	18.50
		25	0	18.33	18.31	18.21	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.30	23.32	23.28	23.50
		1	25	23.33	23.35	23.25	23.50
		1	49	23.37	23.40	23.31	23.50
		25	0	22.35	22.36	22.37	22.50
		25	13	22.36	22.41	22.40	22.50
		25	25	22.35	22.40	22.33	22.50
		50	0	22.24	22.33	22.30	22.50
	16QAM	1	0	22.32	22.45	22.42	22.50
		1	25	22.33	22.44	22.43	22.50
		1	49	22.36	22.46	22.39	22.50

		25	0	21.30	21.38	21.39	21.50
		25	13	21.46	21.45	21.42	21.50
		25	25	21.41	21.42	21.41	21.50
		50	0	21.31	21.36	21.30	21.50
	64QAM	1	0	21.34	21.38	21.34	21.50
		1	25	21.38	21.42	21.44	21.50
		1	49	21.44	21.48	21.40	21.50
		25	0	20.35	20.39	20.30	20.50
		25	13	20.38	20.46	20.35	20.50
		25	25	20.36	20.47	20.40	20.50
		50	0	20.37	20.38	20.36	20.50
	256QAM	1	0	18.30	18.32	18.25	18.50
		1	25	18.23	18.33	18.26	18.50
		1	49	18.34	18.36	18.29	18.50
		25	0	18.24	18.35	18.31	18.50
		25	13	18.26	18.37	18.25	18.50
		25	25	18.32	18.35	18.31	18.50
		50	0	18.39	18.36	18.25	18.50

LTE Band 66 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel 131979	Channel 132322	Channel 132665	Tune up
1.4MHz	QPSK	1	0	23.21	23.23	23.19	23.50
		1	2	23.22	23.29	23.27	23.50
		1	5	23.16	23.08	23.13	23.50
		3	0	23.17	23.20	23.17	23.50
		3	1	23.20	23.19	23.28	23.50
		3	3	23.15	23.08	23.14	23.50
	16QAM	6	0	22.18	22.28	22.19	22.50
		1	0	22.27	22.31	22.33	22.50
		1	2	22.39	22.50	22.37	22.50
		1	5	22.34	22.33	22.30	22.50
		3	0	22.40	22.43	22.38	22.50
		3	1	22.47	22.48	22.40	22.50
	64QAM	3	3	22.25	22.37	22.30	22.50
		6	0	21.27	21.21	21.11	21.50
		1	0	21.42	21.43	21.29	21.50
		1	2	21.29	21.45	21.35	21.50
		1	5	21.34	21.44	21.26	21.50
		3	0	21.45	21.33	21.30	21.50
	256QAM	3	1	21.33	21.36	21.25	21.50
		3	3	21.40	21.44	21.26	21.50
		6	0	20.30	20.32	20.24	20.50
		1	0	18.29	18.40	18.29	18.50
		1	2	18.43	18.32	18.34	18.50
		1	5	18.20	18.43	18.27	18.50
		3	0	18.25	18.42	18.37	18.50
		3	1	18.30	18.28	18.24	18.50
		3	3	18.22	18.36	18.21	18.50
		6	0	18.44	18.29	18.22	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 131987	Channel 132322	Channel 132657	Tune up
3MHz	QPSK	1	0	23.15	23.13	23.22	23.50
		1	7	23.23	23.28	23.17	23.50
		1	14	23.18	23.11	23.24	23.50
		8	0	22.14	22.26	22.13	22.50
		8	4	22.17	22.18	22.15	22.50
		8	7	22.26	22.27	22.10	22.50
		15	0	22.26	22.26	22.18	22.50
	16QAM	1	0	22.34	22.32	22.30	22.50
		1	7	22.50	22.37	22.41	22.50
		1	14	22.23	22.38	22.17	22.50
		8	0	21.35	21.25	21.10	21.50
		8	4	21.12	21.30	21.29	21.50
		8	7	21.24	21.20	21.24	21.50
		15	0	21.34	21.16	21.11	21.50
	64QAM	1	0	21.39	21.34	21.30	21.50

		1	7	21.32	21.40	21.25	21.50
		1	14	21.42	21.40	21.33	21.50
		8	0	20.32	20.38	20.27	20.50
		8	4	20.15	20.28	20.32	20.50
		8	7	20.23	20.29	20.23	20.50
		15	0	20.24	20.21	20.20	20.50
	256QAM	1	0	18.36	18.47	18.26	18.50
		1	7	18.32	18.37	18.38	18.50
		1	14	18.19	18.42	18.36	18.50
		8	0	18.21	18.31	18.41	18.50
		8	4	18.15	18.39	18.33	18.50
		8	7	18.36	18.31	18.19	18.50
		15	0	18.42	18.34	18.22	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	23.20	23.15	23.20	23.50
		1	13	23.20	23.25	23.27	23.50
		1	24	23.17	23.14	23.16	23.50
		12	0	22.21	22.23	22.17	22.50
		12	6	22.27	22.32	22.25	22.50
		12	13	22.24	22.29	22.12	22.50
	16QAM	25	0	22.24	22.19	22.16	22.50
		1	0	22.39	22.37	22.37	22.50
		1	13	22.49	22.36	22.33	22.50
		1	24	22.30	22.37	22.21	22.50
		12	0	21.26	21.30	21.24	21.50
		12	6	21.13	21.21	21.29	21.50
	64QAM	12	13	21.18	21.32	21.28	21.50
		25	0	21.29	21.22	21.24	21.50
		1	0	21.41	21.37	21.27	21.50
		1	13	21.26	21.35	21.34	21.50
		1	24	21.34	21.33	21.20	21.50
		12	0	20.40	20.27	20.30	20.50
	256QAM	12	6	20.15	20.37	20.19	20.50
		12	13	20.26	20.33	20.28	20.50
		25	0	20.15	20.32	20.26	20.50
		1	0	18.26	18.34	18.36	18.50
		1	13	18.35	18.36	18.43	18.50
		1	24	18.20	18.33	18.36	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.20	23.20	23.19	23.50
		1	25	23.21	23.18	23.29	23.50
		1	49	23.23	23.09	23.15	23.50
		25	0	22.23	22.26	22.21	22.50
		25	13	22.17	22.18	22.23	22.50
		25	25	22.15	22.19	22.21	22.50
	16QAM	50	0	22.19	22.30	22.22	22.50
		1	0	22.37	22.42	22.29	22.50
		1	25	22.36	22.45	22.45	22.50
		1	49	22.34	22.35	22.28	22.50
		25	0	21.33	21.29	21.24	21.50
		25	13	21.13	21.23	21.22	21.50
	64QAM	25	25	21.14	21.25	21.23	21.50
		50	0	21.20	21.25	21.18	21.50
		1	0	21.43	21.35	21.35	21.50
		1	25	21.25	21.39	21.27	21.50
		1	49	21.34	21.45	21.23	21.50
		25	0	20.30	20.30	20.25	20.50
	256QAM	25	13	20.26	20.37	20.26	20.50
		25	25	20.16	20.20	20.25	20.50
		50	0	20.15	20.22	20.17	20.50
		1	0	18.39	18.39	18.34	18.50
		1	25	18.38	18.35	18.33	18.50
		1	49	18.27	18.33	18.36	18.50
		25	0	18.28	18.30	18.42	18.50

		25	13	18.28	18.38	18.28	18.50
		25	25	18.29	18.32	18.16	18.50
		50	0	18.35	18.35	18.33	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.15	23.19	23.14	23.50
		1	38	23.25	23.18	23.31	23.50
		1	74	23.16	23.19	23.28	23.50
		36	0	22.19	22.22	22.24	22.50
		36	18	22.18	22.18	22.28	22.50
		36	39	22.25	22.26	22.23	22.50
		75	0	22.17	22.29	22.16	22.50
	16QAM	1	0	22.37	22.42	22.36	22.50
		1	38	22.31	22.39	22.43	22.50
		1	74	22.30	22.27	22.21	22.50
		36	0	21.30	21.33	21.17	21.50
		36	18	21.16	21.17	21.28	21.50
		36	39	21.19	21.32	21.18	21.50
		75	0	21.24	21.30	21.19	21.50
	64QAM	1	0	21.45	21.39	21.25	21.50
		1	38	21.32	21.40	21.29	21.50
		1	74	21.37	21.39	21.26	21.50
		36	0	20.34	20.30	20.27	20.50
		36	18	20.18	20.40	20.33	20.50
		36	39	20.30	20.26	20.35	20.50
		75	0	20.15	20.31	20.24	20.50
	256QAM	1	0	18.39	18.33	18.32	18.50
		1	38	18.36	18.38	18.35	18.50
		1	74	18.26	18.36	18.22	18.50
		36	0	18.22	18.30	18.35	18.50
		36	18	18.25	18.28	18.22	18.50
		36	39	18.27	18.31	18.27	18.50
		75	0	18.30	18.42	18.27	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.20	23.25	23.21	23.50
		1	50	23.25	23.30	23.28	23.50
		1	99	23.21	23.20	23.25	23.50
		50	0	22.20	22.23	22.22	22.50
		50	25	22.26	22.29	22.25	22.50
		50	50	22.23	22.26	22.21	22.50
		100	0	22.23	22.27	22.21	22.50
	16QAM	1	0	22.39	22.41	22.39	22.50
		1	50	22.48	22.48	22.44	22.50
		1	99	22.35	22.39	22.28	22.50
		50	0	21.34	21.33	21.21	21.50
		50	25	21.17	21.29	21.31	21.50
		50	50	21.23	21.31	21.25	21.50
		100	0	21.31	21.28	21.23	21.50
	64QAM	1	0	21.44	21.44	21.37	21.50
		1	50	21.36	21.47	21.35	21.50
		1	99	21.43	21.42	21.31	21.50
		50	0	20.37	20.35	20.32	20.50
		50	25	20.25	20.37	20.31	20.50
		50	50	20.27	20.32	20.33	20.50
		100	0	20.27	20.31	20.28	20.50
	256QAM	1	0	18.38	18.45	18.34	18.50
		1	50	18.43	18.43	18.45	18.50
		1	99	18.30	18.40	18.33	18.50
		50	0	18.31	18.42	18.43	18.50
		50	25	18.27	18.39	18.33	18.50
		50	50	18.33	18.37	18.26	18.50
		100	0	18.41	18.40	18.30	18.50

LTE Band 66 Hotspot on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	19.13	19.13	19.04	19.50
		1	2	19.13	19.06	19.01	19.50

		1	5	19.02	18.99	19.00	19.50
		3	0	19.03	19.10	19.06	19.50
		3	1	19.10	19.14	19.01	19.50
		3	3	19.04	18.96	19.07	19.50
		6	0	18.08	18.13	18.08	18.50
		1	0	18.15	18.18	18.22	18.50
	16QAM	1	2	18.24	18.39	18.23	18.50
		1	5	18.27	18.22	18.19	18.50
		3	0	18.27	18.33	18.24	18.50
		3	1	18.34	18.42	18.31	18.50
		3	3	18.19	18.32	18.20	18.50
		6	0	17.12	17.10	16.99	17.50
	64QAM	1	0	17.32	17.28	17.18	17.50
		1	2	17.20	17.36	17.23	17.50
		1	5	17.23	17.39	17.13	17.50
		3	0	17.32	17.28	17.19	17.50
		3	1	17.25	17.25	17.13	17.50
		3	3	17.28	17.37	17.12	17.50
	256QAM	6	0	16.25	16.27	16.15	16.50
		1	0	14.24	14.31	14.16	14.50
		1	2	14.34	14.26	14.22	14.50
		1	5	14.10	14.38	14.15	14.50
		3	0	14.15	14.27	14.28	14.50
		3	1	14.19	14.21	14.12	14.50
		3	3	14.17	14.24	14.15	14.50
		6	0	14.39	14.14	14.16	14.50
Bandwidth	Modulation	RB size	RB offset	Channel 131987	Channel 132322	Channel 132657	Tune up
3MHz	QPSK	1	0	19.09	19.05	19.07	19.50
		1	7	19.05	19.01	19.04	19.50
		1	14	19.06	19.00	19.09	19.50
		8	0	18.08	18.14	18.04	18.50
		8	4	18.09	18.03	18.07	18.50
		8	7	18.21	18.18	18.02	18.50
	16QAM	15	0	18.15	18.16	18.07	18.50
		1	0	18.29	18.22	18.18	18.50
		1	7	18.43	18.23	18.32	18.50
		1	14	18.15	18.29	18.09	18.50
		8	0	17.20	17.20	17.05	17.50
		8	4	17.06	17.16	17.24	17.50
	64QAM	8	7	17.14	17.12	17.14	17.50
		15	0	17.27	17.03	17.03	17.50
		1	0	17.30	17.27	17.24	17.50
		1	7	17.17	17.34	17.13	17.50
		1	14	17.27	17.27	17.19	17.50
		8	0	16.19	16.28	16.20	16.50
	256QAM	8	4	16.08	16.22	16.17	16.50
		8	7	16.09	16.20	16.12	16.50
		15	0	16.18	16.12	16.11	16.50
		1	0	14.28	14.40	14.14	14.50
		1	7	14.23	14.27	14.27	14.50
		1	14	14.10	14.33	14.23	14.50
5MHz	QPSK	8	0	14.06	14.19	14.26	14.50
		8	4	14.04	14.26	14.27	14.50
		8	7	14.23	14.24	14.10	14.50
		15	0	14.27	14.19	14.14	14.50
	16QAM	1	0	19.12	19.01	19.11	19.50
		1	13	19.06	19.00	19.13	19.50
		1	24	19.06	19.01	19.02	19.50
		12	0	18.12	18.16	18.03	18.50
		12	6	18.21	18.27	18.16	18.50
		12	13	18.11	18.24	18.05	18.50
	16QAM	25	0	18.18	18.14	18.05	18.50
		1	0	18.32	18.24	18.27	18.50
		1	13	18.35	18.31	18.24	18.50
		1	24	18.22	18.31	18.12	18.50
		12	0	17.14	17.19	17.16	17.50
		12	6	17.07	17.07	17.23	17.50

		12	13	17.10	17.25	17.18	17.50
		25	0	17.15	17.10	17.13	17.50
	64QAM	1	0	17.35	17.32	17.20	17.50
		1	13	17.16	17.29	17.29	17.50
		1	24	17.23	17.28	17.13	17.50
		12	0	16.32	16.21	16.25	16.50
		12	6	16.10	16.25	16.08	16.50
		12	13	16.17	16.19	16.17	16.50
		25	0	16.08	16.20	16.16	16.50
	256QAM	1	0	14.19	14.23	14.21	14.50
		1	13	14.30	14.31	14.28	14.50
		1	24	14.11	14.18	14.31	14.50
		12	0	14.20	14.26	14.29	14.50
		12	6	14.05	14.30	14.19	14.50
		12	13	14.23	14.20	14.14	14.50
		25	0	14.29	14.38	14.12	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	19.15	19.12	19.11	19.50
		1	25	19.15	19.12	19.14	19.50
		1	49	19.13	19.00	19.06	19.50
		25	0	18.11	18.11	18.16	18.50
		25	13	18.08	18.03	18.18	18.50
		25	25	18.09	18.14	18.09	18.50
		50	0	18.14	18.23	18.09	18.50
	16QAM	1	0	18.22	18.30	18.18	18.50
		1	25	18.29	18.38	18.36	18.50
		1	49	18.20	18.23	18.23	18.50
		25	0	17.18	17.24	17.09	17.50
		25	13	17.03	17.13	17.17	17.50
		25	25	17.04	17.11	17.14	17.50
		50	0	17.09	17.10	17.11	17.50
	64QAM	1	0	17.34	17.30	17.22	17.50
		1	25	17.18	17.26	17.20	17.50
		1	49	17.21	17.31	17.14	17.50
		25	0	16.25	16.20	16.14	16.50
		25	13	16.14	16.22	16.12	16.50
		25	25	16.05	16.05	16.16	16.50
		50	0	16.09	16.10	16.04	16.50
	256QAM	1	0	14.25	14.33	14.29	14.50
		1	25	14.24	14.22	14.27	14.50
		1	49	14.14	14.18	14.25	14.50
		25	0	14.22	14.21	14.33	14.50
		25	13	14.16	14.29	14.14	14.50
		25	25	14.14	14.19	14.02	14.50
		50	0	14.24	14.27	14.24	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	19.10	19.10	19.07	19.50
		1	38	19.01	19.09	18.97	19.50
		1	74	19.06	19.04	19.03	19.50
		36	0	18.05	18.12	18.16	18.50
		36	18	18.09	18.06	18.15	18.50
		36	39	18.19	18.19	18.11	18.50
		75	0	18.11	18.18	18.10	18.50
	16QAM	1	0	18.27	18.33	18.28	18.50
		1	38	18.22	18.26	18.29	18.50
		1	74	18.23	18.15	18.14	18.50
		36	0	17.18	17.25	17.04	17.50
		36	18	17.08	17.03	17.22	17.50
		36	39	17.14	17.25	17.03	17.50
		75	0	17.17	17.23	17.13	17.50
	64QAM	1	0	17.30	17.34	17.15	17.50
		1	38	17.27	17.26	17.20	17.50
		1	74	17.30	17.30	17.20	17.50
		36	0	16.29	16.19	16.18	16.50
		36	18	16.12	16.29	16.22	16.50
		36	39	16.18	16.13	16.27	16.50
		75	0	16.07	16.20	16.11	16.50
	256QAM	1	0	14.26	14.18	14.24	14.50

		1	38	14.24	14.29	14.27	14.50
		1	74	14.13	14.26	14.07	14.50
		36	0	14.17	14.20	14.23	14.50
		36	18	14.13	14.14	14.07	14.50
		36	39	14.16	14.19	14.16	14.50
		75	0	14.18	14.37	14.13	14.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	19.00	19.01	19.00	19.50
		1	50	19.05	19.07	19.03	19.50
		1	99	19.02	19.04	19.00	19.50
		50	0	18.14	18.09	18.10	18.50
		50	25	18.12	18.18	18.11	18.50
		50	50	18.14	18.16	18.08	18.50
		100	0	18.17	18.20	18.14	18.50
	16QAM	1	0	18.31	18.29	18.27	18.50
		1	50	18.34	18.35	18.33	18.50
		1	99	18.22	18.34	18.13	18.50
		50	0	17.26	17.19	17.08	17.50
		50	25	17.06	17.19	17.21	17.50
		50	50	17.14	17.26	17.10	17.50
		100	0	17.16	17.17	17.10	17.50
	64QAM	1	0	17.32	17.39	17.22	17.50
		1	50	17.29	17.38	17.28	17.50
		1	99	17.34	17.31	17.19	17.50
		50	0	16.32	16.24	16.21	16.50
		50	25	16.11	16.27	16.24	16.50
		50	50	16.20	16.18	16.22	16.50
		100	0	16.12	16.20	16.22	16.50
	256QAM	1	0	14.28	14.36	14.23	14.50
		1	50	14.29	14.36	14.37	14.50
		1	99	14.15	14.33	14.24	14.50
		50	0	14.17	14.30	14.31	14.50
		50	25	14.16	14.24	14.24	14.50
		50	50	14.21	14.29	14.19	14.50
		100	0	14.31	14.32	14.23	14.50

1.4 Conducted Power of NR Ant0

N2 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	DFT-s-OFDM QPSK	1	1	23.54	23.60	23.48	24.50
		1	108	23.32	23.42	23.44	24.50
		1	214	23.41	23.35	23.33	24.50
		108	0	22.36	22.42	22.30	23.50
		108	54	23.35	23.40	23.32	24.50
		108	108	22.34	22.39	22.42	23.50
		216	0	22.37	22.42	22.38	23.50
	DFT-s-OFDM 16QAM	1	1	22.50	22.55	22.51	23.50
	DFT-s-OFDM 64QAM	1	1	20.69	20.73	20.66	22.00
	DFT-s-OFDM 256QAM	1	1	18.62	18.66	18.60	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	21.95	22.02	21.93	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.48	23.50	23.40	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
35MHz	DFT-s-OFDM QPSK	1	1	23.41	23.39	23.33	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	23.45	23.58	23.41	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	23.37	23.51	23.42	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	23.39	23.54	23.43	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.48	23.49	23.42	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.44	23.57	23.46	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	23.40	23.53	23.44	24.50

N2 Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	DFT-s-OFDM QPSK	1	1	22.74	22.77	22.72	23.50
		1	108	22.61	22.68	22.65	23.50
		1	214	22.59	22.66	22.58	23.50
		108	0	22.60	22.66	22.55	23.50
		108	54	22.69	22.75	22.71	23.50
		108	108	22.66	22.73	22.69	23.50
		216	0	22.63	22.70	22.61	23.50
	DFT-s-OFDM 16QAM	1	1	22.64	22.72	22.65	23.00
	DFT-s-OFDM 64QAM	1	1	21.03	21.06	21.01	22.00
	DFT-s-OFDM 256QAM	1	1	18.89	18.94	18.90	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	CP-OFDM QPSK	1	1	374000	376000	378000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	374000	376000	378000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
35MHz	DFT-s-OFDM QPSK	1	1	373500	376000	378500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	373000	376000	379000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	372500	376000	379500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	372000	376000	380000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	371500	376000	380500	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	371000	376000	381000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	22.63	22.60	22.68	23.50

N2 Hotspot on+ENDC mode				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	DFT-s-OFDM QPSK	1	1	21.65	21.68	21.64	22.50
		1	108	21.54	21.66	21.67	22.50
		1	214	21.53	21.67	21.60	22.50
		108	0	21.60	21.66	21.48	22.50
		108	54	21.64	21.67	21.66	22.50
		108	108	21.61	21.63	21.62	22.50
	216	0	21.58	21.62	21.55	22.50	
	DFT-s-OFDM 16QAM	1	1	21.69	21.73	21.59	22.00
	DFT-s-OFDM 64QAM	1	1	19.95	20.00	20.04	21.00
	DFT-s-OFDM 256QAM	1	1	17.91	17.92	17.90	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	CP-OFDM QPSK	1	1	21.19	21.35	21.20	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.65	21.65	21.67	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373500	376000	378500	
35MHz	DFT-s-OFDM QPSK	1	1	21.52	21.63	21.64	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373000	376000	379000	
30MHz	DFT-s-OFDM QPSK	1	1	21.61	21.67	21.62	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372500	376000	379500	
25MHz	DFT-s-OFDM QPSK	1	1	21.53	21.60	21.66	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	DFT-s-OFDM QPSK	1	1	21.62	21.65	21.63	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	21.65	21.64	21.69	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	21.63	21.60	21.65	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	21.56	21.62	21.61	22.50

N5 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
25MHz	DFT-s-OFDM QPSK	1	1	/	23.85	/	24.50
		1	53	/	23.84	/	24.50
		1	104	/	23.72	/	24.50
		50	0	/	22.83	/	24.50
		50	28	/	22.85	/	24.50
		50	56	/	23.78	/	24.50
	100	0	/	22.84	/	23.50	
	DFT-s-OFDM 16QAM	1	1	/	22.01	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.18	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	19.15	/	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
25MHz	CP-OFDM QPSK	1	1	/	22.17	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	167300	/	
25MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.69	/	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	DFT-s-OFDM QPSK	1	1	23.81	23.76	23.78	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	23.80	23.72	23.75	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	23.78	23.67	23.73	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	23.72	23.77	23.81	24.50

N66 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	DFT-s-OFDM QPSK	1	1	23.50	23.52	23.48	24.50
		1	108	23.44	23.49	23.45	24.50
		1	214	23.43	23.50	23.42	24.50
		108	0	22.51	22.55	22.56	23.50
		108	54	23.44	23.51	23.48	24.50
		108	108	22.43	22.53	22.44	23.50
		216	0	22.44	22.54	22.47	23.50
	DFT-s-OFDM 16QAM	1	1	22.56	22.66	22.55	23.50
	DFT-s-OFDM 64QAM	1	1	20.78	20.83	20.79	22.00
	DFT-s-OFDM 256QAM	1	1	18.79	18.80	18.69	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	CP-OFDM QPSK	1	1	20.01	22.08	21.96	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	CP-OFDM QPSK	1	1	20.01	22.08	21.96	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.41	23.50	23.40	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345500	349000	352500	
35MHz	DFT-s-OFDM QPSK	1	1				0.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	23.43	23.49	23.42	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1				0.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	23.49	23.47	23.41	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	23.45	23.47	23.44	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	23.46	23.43	23.46	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	23.42	23.39	23.38	24.50

N66 Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	DFT-s-OFDM QPSK	1	1	21.73	21.80	21.69	22.50
		1	108	21.63	21.60	21.54	22.50
		1	214	21.58	21.66	21.62	22.50
		108	0	21.57	21.68	21.70	22.50
		108	54	21.66	21.77	21.76	22.50
		108	108	21.63	21.68	21.60	22.50
	216	0	21.70	21.71	21.65	22.50	
	DFT-s-OFDM 16QAM	1	1	21.77	21.79	21.82	22.50
	DFT-s-OFDM 64QAM	1	1	20.95	20.95	20.92	21.50
	DFT-s-OFDM 256QAM	1	1	18.90	18.92	18.88	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	CP-OFDM QPSK	1	1	21.70	21.75	21.68	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.58	21.64	21.63	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM QPSK	1	1	21.69	21.75	21.67	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345500	349000	352500	
35MHz	DFT-s-OFDM QPSK	1	1	21.69	21.75	21.67	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	21.69	21.72	21.63	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	21.69	21.72	21.63	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	21.70	21.77	21.62	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	21.72	21.69	21.65	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	21.70	21.77	21.62	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	21.72	21.69	21.65	22.50

N66 Receiver off+ENDC mode Hotspot on+ENDC mode Hotspot off+ENDC mode				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	DFT-s-OFDM QPSK	1	1	20.60	20.63	20.62	21.50
		1	108	20.57	20.61	20.52	21.50
		1	214	20.59	20.64	20.57	21.50
		108	0	20.53	20.60	20.56	21.50
		108	54	20.62	20.67	20.66	21.50
		108	108	20.52	20.62	20.51	21.50
		216	0	20.68	20.69	20.66	21.50
	DFT-s-OFDM 16QAM	1	1	20.64	20.64	20.55	21.50
	DFT-s-OFDM 64QAM	1	1	20.36	20.48	20.42	20.50
	DFT-s-OFDM 256QAM	1	1	18.45	18.50	18.39	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	CP-OFDM QPSK	1	1	20.59	20.62	20.63	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.55	20.59	20.53	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM QPSK	1	1	20.48	20.51	20.51	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345500	349000	352500	
35MHz	DFT-s-OFDM QPSK	1	1	20.52	20.57	20.53	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	20.60	20.65	20.54	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	20.52	20.54	20.61	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	20.55	20.56	20.63	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	20.57	20.55	20.63	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	20.62	20.54	20.50	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	20.56	20.57	20.53	21.50

1.5 Conducted Power of NR Ant1

N77 PC3 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.28	/	22.00
		1	137	/	21.18	/	22.00
		1	271	/	21.13	/	22.00
		135	0	/	21.12	/	22.00
		135	69	/	21.10	/	22.00
		135	138	/	21.12	/	22.00
		270	0	/	21.11	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	21.15	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	21.16	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	21.18	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.24	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.19	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	21.22	21.23	21.21	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.18	21.27	21.16	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	21.23	21.27	21.26	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.25	21.21	21.19	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	21.21	21.26	21.25	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.16	21.24	21.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	21.25	21.22	21.26	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	21.27	21.19	21.23	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.17	21.18	21.19	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	21.15	21.22	21.27	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	21.25	21.24	21.16	22.00

N77 PC3 Receiver on Receiver off Hotspot on Hotspot off					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	21.07	21.01	20.96	21.05	21.04	21.08	22.00
		1	137	20.95	20.93	20.92	21.03	21.00	20.99	22.00
		1	271	20.76	20.78	20.68	20.82	20.72	20.78	22.00
		135	0	20.95	20.99	20.95	21.04	21.00	21.00	22.00
		135	69	20.92	20.87	20.92	21.04	20.98	20.99	22.00
		135	138	20.82	20.76	20.89	20.88	20.83	20.84	22.00
		270	0	20.85	20.91	20.90	20.92	21.01	20.97	22.00
	DFT-s-OFDM 16QAM	1	1	20.90	20.89	20.95	21.01	20.89	20.98	22.00
	DFT-s-OFDM 64QAM	1	1	20.99	20.97	20.94	20.98	20.85	20.97	22.00
DFT-s-OFDM 256QAM	1	1	20.90	20.95	20.88	20.89	20.86	20.93	22.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	20.95	21.01	20.93	20.88	21.00	21.04	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.96	20.92	20.93	20.88	20.94	20.97	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	21.05	20.98	20.91	21.00	20.92	21.05	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	20.99	20.94	20.88	21.02	20.98	21.07	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	20.97	20.92	20.90	21.03	20.85	21.04	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	20.96	20.93	20.90	21.00	20.95	21.06	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.00	20.95	20.84	21.04	20.99	21.00	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.05	20.96	20.89	21.03	20.90	21.07	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.05	20.97	20.90	20.94	20.87	21.01	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	20.98	20.91	20.86	21.00	20.93	21.02	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.02	20.96	20.84	20.99	20.97	20.99	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	21.01	20.98	20.93	20.98	20.97	21.03	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	20.98	21.00	20.85	20.98	20.95	20.98	22.00

N77 PC2 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	24.50	/	25.00
		1	137	/	24.40	/	25.00
		1	271	/	24.38	/	25.00
		135	0	/	24.38	/	25.00
		135	69	/	24.43	/	25.00
		135	138	/	24.40	/	25.00
		270	0	/	24.40	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	24.43	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	23.90	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	21.75	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	24.38	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	24.33	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	24.42	24.38	24.44	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	24.49	24.41	24.49	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	24.45	24.39	24.47	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	24.43	24.44	24.45	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	24.45	24.42	24.49	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	24.42	24.40	24.44	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	24.47	24.43	24.38	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	24.46	24.41	24.49	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	24.47	24.40	24.45	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	24.46	24.41	24.38	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	24.46	24.45	24.47	25.00

N77 PC2 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)						
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	24.33	24.41	24.43	24.40	24.36	24.45	25.00
		1	137	24.19	24.21	24.22	24.21	24.20	24.23	25.00
		1	271	24.08	23.93	23.96	23.93	24.01	24.03	25.00
		135	0	24.17	24.11	24.19	24.08	24.21	24.16	25.00
		135	69	24.19	24.20	24.25	24.33	24.27	24.38	25.00
		135	138	24.09	24.12	24.14	24.06	24.07	24.09	25.00
	270	0	24.11	24.23	24.18	24.15	24.16	24.24	25.00	
	DFT-s-OFDM 16QAM	1	1	24.20	24.11	24.06	24.20	24.06	24.16	25.00
	DFT-s-OFDM 64QAM	1	1	23.65	23.50	23.53	23.57	23.58	23.62	24.50
DFT-s-OFDM 256QAM	1	1	21.36	21.43	21.45	21.37	21.42	21.48	22.50	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	24.21	24.15	24.20	24.08	24.11	24.23	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.20	24.21	24.15	24.11	24.18	24.24	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	24.30	24.34	24.36	24.33	24.28	24.40	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	24.32	24.40	24.41	24.28	24.30	24.35	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	24.31	24.39	24.38	24.40	24.31	24.44	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	24.32	24.36	24.37	24.32	24.29	24.44	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	24.21	24.35	24.42	24.38	24.30	24.36	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	24.30	24.29	24.37	24.35	24.32	24.36	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	24.26	24.36	24.36	24.35	24.24	24.42	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	24.28	24.40	24.41	24.32	24.30	24.42	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	24.27	24.34	24.32	24.39	24.35	24.37	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	24.34	24.29	24.37	24.31	24.29	24.41	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	24.31	24.29	24.33	24.28	24.29	24.35	25.00

1.6 Conducted Power of NR Ant2

N77 PC3 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	21.25	/	22.00
		1	137	/	21.20	/	22.00
		1	271	/	21.24	/	22.00
		135	0	/	21.23	/	22.00
		135	69	/	21.22	/	22.00
		135	138	/	21.20	/	22.00
		270	0	/	21.23	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	21.16	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	20.93	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	20.89	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.14	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.23	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	21.17	21.24	21.15	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.14	21.17	21.23	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	21.24	21.19	21.16	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.17	21.14	21.17	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	21.21	21.22	21.21	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.17	21.21	21.19	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	21.22	21.21	21.15	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	21.19	21.14	21.23	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.19	21.17	21.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	21.20	21.20	21.23	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	21.20	21.20	21.21	22.00

N77 PC3 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)						
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	21.17	21.12	21.18	21.13	21.09	21.20	22.00
		1	137	21.03	21.06	21.08	21.05	21.04	21.14	22.00
		1	271	20.93	20.94	21.09	20.92	21.00	21.04	22.00
		135	0	21.13	21.07	21.11	21.06	21.18	21.14	22.00
		135	69	21.13	21.16	21.15	21.14	21.16	21.18	22.00
		135	138	21.02	20.97	20.99	20.90	20.99	21.02	22.00
	270	0	21.08	21.10	21.06	21.10	21.03	21.12	22.00	
	DFT-s-OFDM 16QAM	1	1	21.16	21.12	21.12	21.11	21.09	21.18	22.00
	DFT-s-OFDM 64QAM	1	1	20.93	20.87	20.89	20.96	20.88	20.98	22.00
DFT-s-OFDM 256QAM	1	1	20.81	20.94	20.85	20.96	20.86	20.93	22.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	20.99	21.02	21.08	20.97	21.06	21.12	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.09	21.15	21.17	21.12	21.08	21.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	21.06	21.11	21.13	21.10	20.98	21.09	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	21.12	21.02	21.11	21.03	20.99	21.09	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	21.05	21.02	21.07	21.11	21.02	21.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	21.09	21.07	21.17	21.06	21.00	21.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.12	21.02	21.11	21.10	21.04	21.12	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.05	21.11	21.17	21.10	21.07	21.14	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.16	21.03	21.08	21.07	21.03	21.11	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	21.10	21.01	21.12	21.08	20.98	21.09	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.13	21.00	21.07	21.09	21.03	21.16	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	21.10	21.02	21.09	21.01	20.97	21.14	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	21.12	21.06	21.17	21.02	21.04	21.16	22.00

N77 PC2 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	24.32	/	25.00
		1	137	/	24.16	/	25.00
		1	271	/	24.19	/	25.00
		135	0	/	24.18	/	25.00
		135	69	/	24.25	/	25.00
		135	138	/	24.23	/	25.00
		270	0	/	24.20	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	24.29	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	23.42	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	21.42	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	24.17	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	24.15	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	24.28	24.30	24.20	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	24.30	24.24	24.30	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	24.29	24.22	24.26	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	24.31	24.28	24.23	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	24.31	24.29	24.29	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	24.26	24.20	24.22	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	24.25	24.29	24.30	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	24.23	24.24	24.20	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	24.28	24.20	24.27	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	24.25	24.21	24.30	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	24.29	24.24	24.29	25.00

N77 PC2 Receiver on Receiver off Hotspot on Hotspot off					Conducted Power(dBm)						
SCS 30kHz(3700~3980)											
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				650000	652400	654800	657200	659600	662000		
100MHz	DFT-s-OFDM QPSK	1	1	24.26	24.36	24.36	24.33	24.28	24.38	25.00	
		1	137	24.21	24.33	24.21	24.30	24.26	24.21	25.00	
		1	271	24.18	24.26	24.17	24.25	24.24	24.26	25.00	
		135	0	24.20	24.27	24.26	24.20	24.20	24.23	25.00	
		135	69	24.25	24.31	24.29	24.30	24.24	24.35	25.00	
		135	138	24.17	24.27	24.17	24.18	24.21	24.26	25.00	
		270	0	24.24	24.25	24.26	24.21	24.20	24.29	25.00	
	DFT-s-OFDM 16QAM	1	1	24.18	24.34	24.37	24.30	24.20	24.25	25.00	
	DFT-s-OFDM 64QAM	1	1	23.46	23.56	23.48	23.50	23.54	23.55	24.50	
	DFT-s-OFDM 256QAM	1	1	21.55	21.52	21.49	21.45	21.42	21.56	23.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				650000	652400	654800	657200	659600	662000		
100MHz	CP-OFDM QPSK	1	1	24.15	24.26	24.21	24.17	24.11	24.20	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				650000	652400	654800	657200	659600	662000		
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.25	24.33	24.32	24.30	24.20	24.03	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649668	652200	654734	657268	659800	662332		
90MHz	DFT-s-OFDM QPSK	1	1	24.24	24.27	24.29	24.29	24.19	24.16	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649334	652000	654668	657334	660000	662666		
80MHz	DFT-s-OFDM QPSK	1	1	24.18	24.35	24.25	24.26	24.17	24.21	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				649000	651800	654600	657400	660200	663000		
70MHz	DFT-s-OFDM QPSK	1	1	24.19	24.31	24.27	24.24	24.25	24.23	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648668	651600	654534	657468	660400	663332		
60MHz	DFT-s-OFDM QPSK	1	1	24.19	24.31	24.29	24.30	24.20	24.26	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648334	651400	654468	657534	660600	663666		
50MHz	DFT-s-OFDM QPSK	1	1	24.21	24.35	24.33	24.22	24.17	24.24	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				648000	651200	654400	657600	660800	664000		
40MHz	DFT-s-OFDM QPSK	1	1	24.14	24.34	24.27	24.27	24.20	24.21	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647668	651000	654334	657668	661000	664332		
30MHz	DFT-s-OFDM QPSK	1	1	24.21	24.33	24.32	24.26	24.16	24.19	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647500	650900	654300	657700	661100	664500		
25MHz	DFT-s-OFDM QPSK	1	1	24.19	24.28	24.27	24.30	24.25	24.26	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647334	650800	654266	657732	661198	664666		
20MHz	DFT-s-OFDM QPSK	1	1	24.20	24.33	24.32	24.28	24.21	24.18	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647168	650700	654232	657764	661297	664832		
15MHz	DFT-s-OFDM QPSK	1	1	24.25	24.31	24.25	24.30	24.19	24.26	25.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up	
				647000	650600	654200	657800	661400	665000		
10MHz	DFT-s-OFDM QPSK	1	1	24.25	24.29	24.24	24.29	24.19	24.17	25.00	

1.7 Conducted Power of NR Ant3

N2 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	DFT-s-OFDM QPSK	1	1	22.46	22.48	22.42	23.50
		1	108	22.31	22.28	22.16	23.50
		1	214	22.29	22.26	22.26	23.50
		108	0	21.66	21.68	21.70	22.50
		108	54	22.31	22.34	22.23	23.50
		108	108	21.74	21.72	21.72	22.50
		216	0	21.68	21.76	21.73	22.50
	DFT-s-OFDM 16QAM	1	1	21.93	22.03	21.96	22.50
	DFT-s-OFDM 64QAM	1	1	19.99	19.96	19.92	21.00
	DFT-s-OFDM 256QAM	1	1	18.06	18.03	17.98	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	CP-OFDM QPSK	1	1	21.30	21.38	21.28	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.31	22.34	22.28	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373500	376000	378500	
35MHz	DFT-s-OFDM QPSK	1	1	22.27	22.30	22.33	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373000	376000	379000	
30MHz	DFT-s-OFDM QPSK	1	1	22.40	22.45	22.41	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372500	376000	379500	
25MHz	DFT-s-OFDM QPSK	1	1	22.41	22.40	22.35	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	DFT-s-OFDM QPSK	1	1	22.44	22.46	22.40	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	22.36	22.43	22.32	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	22.42	22.35	22.41	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	22.35	22.39	22.38	23.50

N2 Hotspot on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
40MHz	DFT-s-OFDM QPSK	1	1	19.21	19.30	19.16	20.50
		1	108	19.11	19.11	19.09	20.50
		1	214	18.99	19.01	18.98	20.50
		108	0	18.98	19.02	19.00	20.50
		108	54	19.01	19.04	19.02	20.50
		108	108	18.93	19.00	18.95	20.50
		216	0	19.08	19.10	18.99	20.50
	DFT-s-OFDM 16QAM	1	1	19.22	19.26	19.16	20.50
	DFT-s-OFDM 64QAM	1	1	18.84	18.93	18.90	19.00
	DFT-s-OFDM 256QAM	1	1	16.67	16.71	16.62	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	18.88	18.91	18.85	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.17	19.28	19.04	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373500	376000	378500	
35MHz	DFT-s-OFDM QPSK	1	1	19.22	19.23	19.14	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373000	376000	379000	
30MHz	DFT-s-OFDM QPSK	1	1	19.09	19.20	19.17	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372500	376000	379500	
25MHz	DFT-s-OFDM QPSK	1	1	19.20	19.31	19.09	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	DFT-s-OFDM QPSK	1	1	19.15	19.23	19.04	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	19.13	19.19	19.05	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	19.19	19.21	19.19	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	19.20	19.21	19.14	20.50

N66 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	DFT-s-OFDM QPSK	1	1	22.21	22.45	22.20	23.50
		1	108	22.20	22.31	22.16	23.50
		1	214	22.17	22.24	22.17	23.50
		108	0	21.64	21.62	21.65	22.50
		108	54	22.11	22.24	22.12	23.50
		108	108	21.55	21.67	21.68	22.50
		216	0	21.49	21.62	21.49	22.50
	DFT-s-OFDM 16QAM	1	1	21.68	21.75	21.64	22.50
	DFT-s-OFDM 64QAM	1	1	19.88	19.96	19.88	21.00
	DFT-s-OFDM 256QAM	1	1	17.82	17.89	17.84	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	CP-OFDM QPSK	1	1	21.30	21.36	21.32	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346500	349000	351500	
45MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.20	22.38	22.17	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	DFT-s-OFDM QPSK	1	1	22.18	22.32	22.15	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345500	349000	352500	
35MHz	DFT-s-OFDM QPSK	1	1	22.20	22.27	22.19	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	22.14	22.32	22.17	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	22.12	22.42	22.18	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.16	22.34	22.17	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	22.11	22.28	22.18	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	22.15	22.33	22.23	23.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	22.20	22.41	22.30	23.50

1.8 Conducted Power of NR Ant5

N77 PC2 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	25.05	/	26.00
		1	137	/	24.87	/	26.00
		1	271	/	24.22	/	26.00
		135	0	/	24.13	/	26.00
		135	69	/	24.86	/	26.00
		135	138	/	24.85	/	26.00
		270	0	/	24.16	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	24.26	/	26.00
	DFT-s-OFDM 64QAM	1	1	/	22.34	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	20.53	/	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	
100MHz	23.62	/	25.00				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz <td>DFT-s-OFDM PI/2 BPSK</td> <td>1</td> <td>1</td> <td>/</td> <td>633334</td> <td>/</td>	DFT-s-OFDM PI/2 BPSK	1	1	/	633334	/	
24.85			25.00				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>633000</td> <td>633334</td> <td>633668</td>	DFT-s-OFDM QPSK	1	1	633000	633334	633668	
24.97			25.00	24.98		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>632668</td> <td>633334</td> <td>634000</td>	DFT-s-OFDM QPSK	1	1	632668	633334	634000	
24.93			25.01	25.04		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
70MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>632334</td> <td>633334</td> <td>634332</td>	DFT-s-OFDM QPSK	1	1	632334	633334	634332	
24.96			25.00	24.96		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>632000</td> <td>633334</td> <td>634668</td>	DFT-s-OFDM QPSK	1	1	632000	633334	634668	
24.93			24.97	24.93		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>631668</td> <td>633334</td> <td>635000</td>	DFT-s-OFDM QPSK	1	1	631668	633334	635000	
24.94			24.95	24.96		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>631334</td> <td>633334</td> <td>635334</td>	DFT-s-OFDM QPSK	1	1	631334	633334	635334	
24.94			24.97	24.96		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>631000</td> <td>633334</td> <td>635668</td>	DFT-s-OFDM QPSK	1	1	631000	633334	635668	
24.99			24.94	24.94		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>630836</td> <td>633334</td> <td>635834</td>	DFT-s-OFDM QPSK	1	1	630836	633334	635834	
24.94			24.97	24.98		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>630668</td> <td>633334</td> <td>636000</td>	DFT-s-OFDM QPSK	1	1	630668	633334	636000	
24.94			24.98	24.97		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>630500</td> <td>633334</td> <td>636166</td>	DFT-s-OFDM QPSK	1	1	630500	633334	636166	
24.97			25.04	24.93		26.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz <td>DFT-s-OFDM QPSK</td> <td>1</td> <td>1</td> <td>630334</td> <td>633334</td> <td>636334</td>	DFT-s-OFDM QPSK	1	1	630334	633334	636334	
25.03			25.03	25.03		26.00	

N77 PC2 Receiver on+ENDC mode Receiver off+ENDC mode				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	24.11	/	25.00
		1	137	/	24.06	/	25.00
		1	271	/	23.83	/	25.00
		135	0	/	23.61	/	25.00
		135	69	/	23.95	/	25.00
		135	138	/	23.93	/	25.00
	270	0	/	23.58	/	25.00	
	DFT-s-OFDM 16QAM	1	1	/	23.60	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	21.68	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	19.81	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	23.59	/	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.63	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	24.07	24.11	24.13	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	24.09	24.07	24.10	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	24.02	24.03	24.04	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	24.05	24.10	24.04	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	24.05	24.09	24.08	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	24.06	24.10	24.06	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	24.04	24.12	24.10	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	24.08	24.02	24.01	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	24.09	24.10	24.07	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	24.03	24.08	24.09	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	24.01	24.07	24.09	25.00

N77 PC2 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 QPSK	1	1	/	23.82	/	24.50
		1	137	/	23.66	/	24.50
		1	271	/	23.03	/	24.50
		135	0	/	22.94	/	24.50
		135	69	/	23.64	/	24.50
		135	138	/	23.61	/	24.50
	270	0	/	22.94	/	24.50	
	DFT-s-OFDM 16QAM	1	1	/	23.04	/	24.50
	DFT-s-OFDM 64QAM	1	1	/	21.12	/	22.50
	DFT-s-OFDM 256QAM	1	1	/	19.35	/	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	23.11	/	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.63	/	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	23.72	23.74	23.76	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	23.73	23.77	23.78	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	23.78	23.74	23.78	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	23.70	23.73	23.74	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	23.74	23.75	23.78	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	23.70	23.80	23.78	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	23.71	23.80	23.80	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	23.77	23.72	23.76	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	23.74	23.76	23.79	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	23.71	23.73	23.72	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	23.80	23.76	23.77	24.50

N77 PC2 Receiver on Receiver off Hotspot off					Conducted Power(dBm)						
SCS 30kHz(3700~3980)											
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up	
100MHz	DFT-s-OFDM QPSK	1	1	25.52	25.69	25.74	25.65	25.69	25.78	26.00	
		1	137	25.51	25.58	25.56	25.48	25.49	25.60	26.00	
		1	271	25.33	25.25	25.33	25.30	25.33	25.36	26.00	
		135	0	24.59	24.52	24.52	24.59	24.52	24.62	26.00	
		135	69	25.57	25.60	25.56	25.58	25.54	25.63	26.00	
		135	138	24.40	24.49	24.47	24.45	24.42	24.50	26.00	
	270	0	24.45	24.53	24.49	24.52	24.54	24.55	26.00		
	DFT-s-OFDM 16QAM	1	1	25.04	24.94	24.96	25.04	24.95	25.05	26.00	
	DFT-s-OFDM 64QAM	1	1	23.09	23.08	23.05	23.15	23.10	23.16	24.00	
	DFT-s-OFDM 256QAM	1	1	21.35	21.36	21.39	21.29	21.31	21.41	21.50	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up	
100MHz	CP-OFDM QPSK	1	1	24.93	24.88	24.95	24.87	24.95	25.00	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	25.24	25.66	25.46	25.23	25.39	25.38	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up	
90MHz	DFT-s-OFDM QPSK	1	1	25.49	25.57	25.67	25.64	25.64	25.68	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up	
80MHz	DFT-s-OFDM QPSK	1	1	25.44	25.57	25.68	25.58	25.64	25.77	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up	
70MHz	DFT-s-OFDM QPSK	1	1	25.48	25.65	25.69	25.60	25.68	25.67	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up	
60MHz	DFT-s-OFDM QPSK	1	1	25.45	25.58	25.72	25.64	25.68	25.73	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up	
50MHz	DFT-s-OFDM QPSK	1	1	25.46	25.58	25.67	25.61	25.59	25.67	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up	
40MHz	DFT-s-OFDM QPSK	1	1	25.47	25.61	25.68	25.54	25.61	25.76	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up	
30MHz	DFT-s-OFDM QPSK	1	1	25.46	25.65	25.73	25.64	25.66	25.68	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up	
25MHz	DFT-s-OFDM QPSK	1	1	25.50	25.64	25.67	25.62	25.61	25.69	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up	
20MHz	DFT-s-OFDM QPSK	1	1	25.44	25.60	25.72	25.62	25.67	25.73	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up	
15MHz	DFT-s-OFDM QPSK	1	1	25.45	25.60	25.69	25.55	25.63	25.66	26.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up	
10MHz	DFT-s-OFDM QPSK	1	1	25.46	25.58	25.66	25.54	25.58	25.72	26.00	

N77 PC2 Receiver on+ENDC mode Receiver off+ENDC mode					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	DFT-s-OFDM QPSK	1	1	24.63	24.74	24.89	24.77	24.76	24.95	25.00
		1	137	24.60	24.66	24.74	24.73	24.75	24.73	25.00
		1	271	24.43	24.41	24.47	24.36	24.37	24.45	25.00
		135	0	23.68	23.72	23.76	23.79	23.67	23.76	25.00
		135	69	24.69	24.70	24.72	24.61	24.68	24.80	25.00
		135	138	23.58	23.45	23.56	23.58	23.53	23.60	25.00
	270	0	23.51	23.53	23.66	23.60	23.59	23.59	25.00	
	DFT-s-OFDM 16QAM	1	1	24.00	24.02	24.09	24.15	24.02	24.09	25.00
	DFT-s-OFDM 64QAM	1	1	22.11	22.21	22.18	22.15	22.18	22.21	23.00
DFT-s-OFDM 256QAM	1	1	20.37	20.31	20.33	20.34	20.20	20.31	20.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	24.24	24.26	24.23	24.17	24.21	24.29	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.62	24.71	24.80	24.62	24.79	24.74	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	24.50	24.68	24.75	24.69	24.68	24.87	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	24.63	24.77	24.79	24.65	24.71	24.75	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649000	651800	654600	657400	660200	663000	
70MHz	DFT-s-OFDM QPSK	1	1	24.57	24.73	24.74	24.66	24.72	24.82	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	24.63	24.68	24.81	24.65	24.64	24.82	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	24.58	24.62	24.76	24.62	24.69	24.81	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	24.58	24.71	24.72	24.69	24.59	24.78	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647668	651000	654334	657668	661000	664332	
30MHz	DFT-s-OFDM QPSK	1	1	24.59	24.67	24.80	24.64	24.77	24.80	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647500	650900	654300	657700	661100	664500	
25MHz	DFT-s-OFDM QPSK	1	1	24.53	24.69	24.73	24.66	24.71	24.92	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647334	650800	654266	657732	661198	664666	
20MHz	DFT-s-OFDM QPSK	1	1	24.59	24.67	24.76	24.65	24.71	24.85	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647168	650700	654232	657764	661297	664832	
15MHz	DFT-s-OFDM QPSK	1	1	24.62	24.61	24.82	24.73	24.73	24.83	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647000	650600	654200	657800	661400	665000	
10MHz	DFT-s-OFDM QPSK	1	1	24.60	24.61	24.79	24.63	24.69	24.80	25.00

N77 PC2 Hotspot on					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	24.15	24.24	24.36	24.22	24.25	24.40	24.50
		1	137	24.13	24.18	24.20	24.18	24.21	24.25	24.50
		1	271	23.89	23.91	23.94	23.87	23.85	23.94	24.50
		135	0	23.15	23.17	23.24	23.24	23.22	23.26	24.50
		135	69	24.16	24.18	24.18	24.15	24.15	24.25	24.50
		135	138	23.03	22.95	23.02	23.03	22.99	23.06	24.50
	270	0	23.01	23.05	23.11	23.11	23.09	23.14	24.50	
	DFT-s-OFDM 16QAM	1	1	23.52	23.51	23.56	23.62	23.55	23.60	24.50
	DFT-s-OFDM 64QAM	1	1	21.65	21.69	21.71	21.65	21.73	21.72	22.50
DFT-s-OFDM 256QAM	1	1	19.84	19.78	19.81	19.80	19.74	19.85	20.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	23.69	23.71	23.76	23.69	23.74	23.80	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.87	24.29	24.04	23.83	24.03	23.97	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	24.05	24.16	24.27	24.14	24.14	24.38	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	24.08	24.22	24.24	24.11	24.20	24.30	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	24.08	24.19	24.28	24.19	24.18	24.35	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	24.12	24.16	24.32	24.17	24.16	24.33	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	24.06	24.16	24.29	24.14	24.23	24.36	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	24.04	24.18	24.26	24.16	24.13	24.31	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	24.11	24.18	24.33	24.13	24.23	24.29	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	24.07	24.20	24.28	24.19	24.23	24.38	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	24.11	24.21	24.29	24.17	24.18	24.37	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	24.12	24.14	24.34	24.18	24.22	24.36	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	24.11	24.15	24.34	24.11	24.18	24.28	24.50

N77 PC3 Receiver on Receiver off Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	23.05	/	24.00
		1	137	/	22.98	/	24.00
		1	271	/	22.87	/	24.00
		135	0	/	22.96	/	24.00
		135	69	/	22.99	/	24.00
		135	138	/	22.97	/	24.00
		270	0	/	22.92	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	22.95	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	22.77	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.24	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	CP-OFDM QPSK	1	1	/	633334	/	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	633334	/	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	23.02	633334	633668	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	632668	633334	634000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	632334	633334	634332	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	632000	633334	634668	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	631668	633334	635000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	631334	633334	635334	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	631000	633334	635668	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	630836	633334	635834	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	630668	633334	636000	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	630500	633334	636166	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	630334	633334	636334	

N77 PC3 Receiver on+ENDC mode Receiver off+ENDC mode				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	22.08	/	23.00
		1	137	/	21.96	/	23.00
		1	271	/	21.85	/	23.00
		135	0	/	21.99	/	23.00
		135	69	/	21.94	/	23.00
		135	138	/	21.98	/	23.00
	270	0	/	21.90	/	23.00	
	DFT-s-OFDM 16QAM	1	1	/	21.93	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	21.75	/	23.00
	DFT-s-OFDM 256QAM	1	1	/	20.22	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.98	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.98	/	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	22.01	22.01	22.02	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.94	21.99	22.02	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	22.01	22.04	22.05	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	22.04	21.97	21.94	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	21.94	22.00	21.89	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	22.05	21.96	21.91	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	21.93	21.96	21.93	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	21.96	21.99	22.00	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.98	21.98	21.95	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	21.89	22.00	21.96	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	22.01	22.00	21.97	23.00

N77 PC3 Hotspot on				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	/	633334	/	22.50
		1	137	/	21.58	/	22.50
		1	271	/	21.45	/	22.50
		135	0	/	21.30	/	22.50
		135	69	/	21.49	/	22.50
		135	138	/	21.41	/	22.50
	DFT-s-OFDM 16QAM	1	1	/	21.50	/	22.50
		270	0	/	21.42	/	22.50
		DFT-s-OFDM 64QAM	1	1	/	21.41	/
DFT-s-OFDM 256QAM	1	1	/	21.30	/	22.50	
DFT-s-OFDM 256QAM	1	1	/	19.74	/	21.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.46	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	21.51	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	21.52	21.54	21.51	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	21.49	21.52	21.49	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	21.55	21.57	21.58	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	21.49	21.46	21.47	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	21.41	21.51	21.43	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	21.56	21.41	21.46	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	21.44	21.44	21.44	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	21.48	21.46	21.50	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	21.51	21.47	21.42	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	21.35	21.48	21.44	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	21.51	21.50	21.52	22.50

N77 PC3 Receiver on Receiver off Hotspot off					Conducted Power(dBm)						
SCS 30kHz(3700~3980)											
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up	
100MHz	DFT-s-OFDM QPSK	1	1	23.66	23.55	23.58	23.54	23.57	23.79	24.00	
		1	137	23.32	23.27	23.19	23.22	23.27	23.44	24.00	
		1	271	23.12	23.10	23.02	23.09	23.06	23.27	24.00	
		135	0	23.48	23.45	23.36	23.46	23.40	23.60	24.00	
		135	69	23.57	23.46	23.51	23.48	23.53	23.71	24.00	
		135	138	23.15	23.22	23.15	23.17	23.15	23.36	24.00	
	270	0	23.24	23.32	23.32	23.32	23.35	23.48	24.00		
	DFT-s-OFDM 16QAM	1	1	23.36	23.28	23.34	23.33	23.24	23.49	24.00	
	DFT-s-OFDM 64QAM	1	1	23.14	23.12	23.15	23.11	23.13	23.28	24.00	
	DFT-s-OFDM 256QAM	1	1	22.21	22.26	22.25	22.24	22.25	22.42	23.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up	
100MHz	CP-OFDM QPSK	1	1	23.66	23.54	23.34	23.18	23.29	23.75	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.40	23.29	23.08	22.97	23.06	23.59	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up	
90MHz	DFT-s-OFDM QPSK	1	1	23.63	23.47	23.57	23.51	23.48	23.78	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up	
80MHz	DFT-s-OFDM QPSK	1	1	23.61	23.53	23.52	23.52	23.47	23.76	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up	
70MHz	DFT-s-OFDM QPSK	1	1	23.54	23.46	23.54	23.45	23.56	23.74	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up	
60MHz	DFT-s-OFDM QPSK	1	1	23.54	23.44	23.53	23.42	23.48	23.77	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up	
50MHz	DFT-s-OFDM QPSK	1	1	23.54	23.48	23.55	23.53	23.56	23.75	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up	
40MHz	DFT-s-OFDM QPSK	1	1	23.61	23.45	23.47	23.45	23.53	23.68	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up	
30MHz	DFT-s-OFDM QPSK	1	1	23.65	23.52	23.57	23.42	23.55	23.77	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up	
25MHz	DFT-s-OFDM QPSK	1	1	23.60	23.50	23.49	23.48	23.55	23.69	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up	
20MHz	DFT-s-OFDM QPSK	1	1	23.59	23.44	23.54	23.44	23.53	23.67	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up	
15MHz	DFT-s-OFDM QPSK	1	1	23.59	23.50	23.55	23.51	23.55	23.76	24.00	
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up	
10MHz	DFT-s-OFDM QPSK	1	1	23.64	23.54	23.56	23.53	23.56	23.75	24.00	

N77 PC3 Receiver on+ENDC mode Receiver off+ENDC mode					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	DFT-s-OFDM QPSK	1	1	22.61	22.57	22.57	22.52	22.53	22.79	23.00
		1	137	22.35	22.22	22.18	22.19	22.29	22.48	23.00
		1	271	22.07	22.07	21.97	22.14	22.07	22.28	23.00
		135	0	22.50	22.41	22.32	22.45	22.45	22.63	23.00
		135	69	22.54	22.48	22.47	22.45	22.53	22.69	23.00
		135	138	22.20	22.27	22.15	22.22	22.11	22.40	23.00
	270	0	22.22	22.31	22.31	22.30	22.34	22.45	23.00	
	DFT-s-OFDM 16QAM	1	1	22.36	22.27	22.32	22.38	22.21	22.45	23.00
	DFT-s-OFDM 64QAM	1	1	22.12	22.14	22.10	22.14	22.08	22.29	23.00
DFT-s-OFDM 256QAM	1	1	21.21	21.25	21.28	21.29	21.28	21.39	22.00	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	CP-OFDM QPSK	1	1	22.67	22.53	22.37	22.19	22.29	22.71	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				650000	652400	654800	657200	659600	662000	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.44	22.26	22.11	21.98	22.07	22.58	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649668	652200	654734	657268	659800	662332	
90MHz	DFT-s-OFDM QPSK	1	1	22.61	22.49	22.61	22.51	22.52	22.73	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649334	652000	654668	657334	660000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	22.58	22.52	22.50	22.52	22.43	22.77	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				649000	651800	654600	657400	660200	663000	
70MHz	DFT-s-OFDM QPSK	1	1	22.54	22.46	22.59	22.45	22.60	22.76	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648668	651600	654534	657468	660400	663332	
60MHz	DFT-s-OFDM QPSK	1	1	22.59	22.44	22.57	22.45	22.51	22.73	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648334	651400	654468	657534	660600	663666	
50MHz	DFT-s-OFDM QPSK	1	1	22.49	22.50	22.59	22.54	22.57	22.76	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				648000	651200	654400	657600	660800	664000	
40MHz	DFT-s-OFDM QPSK	1	1	22.57	22.40	22.45	22.47	22.57	22.68	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647668	651000	654334	657668	661000	664332	
30MHz	DFT-s-OFDM QPSK	1	1	22.68	22.57	22.62	22.41	22.55	22.75	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647500	650900	654300	657700	661100	664500	
25MHz	DFT-s-OFDM QPSK	1	1	22.65	22.45	22.51	22.47	22.57	22.68	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647334	650800	654266	657732	661198	664666	
20MHz	DFT-s-OFDM QPSK	1	1	22.62	22.47	22.50	22.43	22.54	22.69	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647168	650700	654232	657764	661297	664832	
15MHz	DFT-s-OFDM QPSK	1	1	22.60	22.48	22.59	22.56	22.58	22.72	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Channel	Tune up
				647000	650600	654200	657800	661400	665000	
10MHz	DFT-s-OFDM QPSK	1	1	22.68	22.49	22.51	22.49	22.59	22.73	23.00

N77 PC3 Hotspot on					Conducted Power(dBm)					
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	22.16	22.10	22.09	21.98	21.99	22.34	22.50
		1	137	21.81	21.77	21.72	21.72	21.77	22.00	22.50
		1	271	21.62	21.54	21.49	21.64	21.57	21.76	22.50
		135	0	21.99	21.94	21.78	21.92	21.95	22.11	22.50
		135	69	22.05	21.94	21.92	21.99	22.07	22.20	22.50
		135	138	21.72	21.80	21.60	21.70	21.58	21.92	22.50
	270	0	21.75	21.80	21.76	21.85	21.82	21.98	22.50	
	DFT-s-OFDM 16QAM	1	1	21.83	21.76	21.84	21.83	21.70	21.90	22.50
	DFT-s-OFDM 64QAM	1	1	21.62	21.68	21.62	21.69	21.56	21.83	22.50
DFT-s-OFDM 256QAM	1	1	20.69	20.71	20.78	20.74	20.78	20.86	21.50	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	22.19	22.07	21.84	21.69	21.78	22.17	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.89	21.72	21.59	21.43	21.54	22.07	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	22.09	21.99	22.10	22.05	22.01	22.24	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	22.10	21.99	21.97	22.05	21.92	22.27	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	21.99	21.93	22.11	21.98	22.09	22.24	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	22.09	21.98	22.09	21.97	21.96	22.25	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.95	22.04	22.04	22.04	22.12	22.29	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.08	21.93	21.91	21.99	22.03	22.21	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	22.15	22.12	22.11	21.96	22.05	22.27	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	22.20	21.91	22.00	22.00	22.04	22.23	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.07	21.92	21.99	21.95	22.06	22.21	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.08	22.03	22.10	22.02	22.04	22.23	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.22	21.96	22.05	22.03	22.08	22.18	22.50

1.9 Conducted Power of NR Ant6

N77 PC2 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	24.09	/	25.00
		1	137	/	23.94	/	25.00
		1	271	/	23.80	/	25.00
		135	0	/	23.94	/	25.00
		135	69	/	23.97	/	25.00
		135	138	/	23.92	/	25.00
		270	0	/	23.91	/	25.00
	DFT-s-OFDM 16QAM	1	1	/	24.02	/	25.00
	DFT-s-OFDM 64QAM	1	1	/	23.26	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.27	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	24.00	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.94	/	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	24.06	23.97	24.02	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	24.02	23.98	24.07	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	24.04	24.05	24.05	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	24.07	24.02	24.03	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	24.02	23.97	24.07	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	24.00	24.01	24.00	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	24.03	23.97	24.02	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	24.01	24.02	24.00	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	24.05	23.99	24.01	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	24.01	24.06	24.03	25.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	24.03	23.97	23.98	25.00

N77 PC2 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)						
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	24.71	24.61	24.59	24.61	24.63	24.75	25.00
		1	137	24.68	24.54	24.57	24.49	24.50	24.52	25.00
		1	271	24.70	24.48	24.50	24.53	24.50	24.51	25.00
		135	0	24.62	24.43	24.38	24.38	24.42	24.48	25.00
		135	69	24.68	24.60	24.52	24.60	24.53	24.70	25.00
		135	138	24.64	24.44	24.41	24.45	24.54	24.43	25.00
	270	0	24.67	24.46	24.53	24.55	24.54	24.54	25.00	
	DFT-s-OFDM 16QAM	1	1	24.65	24.44	24.45	24.46	24.52	24.55	25.00
	DFT-s-OFDM 64QAM	1	1	24.11	23.87	23.98	23.92	23.91	23.93	25.00
DFT-s-OFDM 256QAM	1	1	22.11	21.99	21.90	21.94	21.89	21.96	23.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	24.53	24.41	24.38	24.42	24.33	24.29	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	24.65	24.49	24.39	24.36	24.59	24.28	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	24.67	24.50	24.47	24.54	24.58	24.53	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	24.69	24.50	24.56	24.49	24.61	24.55	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	24.67	24.53	24.51	24.57	24.60	24.53	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	24.65	24.52	24.54	24.58	24.59	24.54	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	24.64	24.58	24.53	24.52	24.57	24.54	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	24.71	24.53	24.48	24.54	24.61	24.52	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	24.69	24.51	24.49	24.59	24.58	24.55	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	24.66	24.56	24.52	24.58	24.53	24.53	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	24.69	24.49	24.55	24.52	24.51	24.53	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	24.73	24.52	24.51	24.52	24.54	24.49	25.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	24.68	24.59	24.57	24.57	24.59	24.49	25.00

N77 PC3 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)			
SCS 30kHz(3450~3550)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM QPSK	1	1	/	20.96	/	22.00
		1	137	/	20.83	/	22.00
		1	271	/	20.68	/	22.00
		135	0	/	20.85	/	22.00
		135	69	/	20.84	/	22.00
		135	138	/	20.80	/	22.00
		270	0	/	20.91	/	22.00
	DFT-s-OFDM 16QAM	1	1	/	20.88	/	22.00
	DFT-s-OFDM 64QAM	1	1	/	20.75	/	22.00
	DFT-s-OFDM 256QAM	1	1	/	20.72	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	20.91	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.90	/	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	20.88	20.90	20.89	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	20.94	20.89	20.85	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	20.93	20.92	20.86	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	20.88	20.85	20.88	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	20.93	20.86	20.94	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	20.86	20.92	20.90	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	20.86	20.92	20.92	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630836	633334	635834	
25MHz	DFT-s-OFDM QPSK	1	1	20.90	20.93	20.88	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	20.91	20.90	20.86	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	20.85	20.86	20.91	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
10MHz	DFT-s-OFDM QPSK	1	1	20.90	20.91	20.86	22.00

N77 PC3 Receiver on Receiver off Hotspot on Hotspot off				Conducted Power(dBm)						
SCS 30kHz(3700~3980)										
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM QPSK	1	1	21.61	21.56	21.59	21.56	21.60	21.54	22.00
		1	137	21.44	21.45	21.49	21.45	21.47	21.42	22.00
		1	271	21.42	21.47	21.35	21.41	21.42	21.31	22.00
		135	0	21.58	21.50	21.51	21.48	21.60	21.47	22.00
		135	69	21.50	21.54	21.49	21.51	21.51	21.48	22.00
		135	138	21.42	21.36	21.31	21.40	21.33	21.47	22.00
	270	0	21.51	21.41	21.52	21.52	21.49	21.50	22.00	
	DFT-s-OFDM 16QAM	1	1	21.55	21.48	21.59	21.49	21.49	21.52	22.00
	DFT-s-OFDM 64QAM	1	1	21.28	21.27	21.16	21.24	21.25	21.23	22.00
DFT-s-OFDM 256QAM	1	1	21.22	21.12	21.12	21.13	21.20	21.24	22.00	
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	21.54	21.39	21.42	21.40	21.47	21.38	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 652400	Channel 654800	Channel 657200	Channel 659600	Channel 662000	Tune up
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.42	21.33	21.40	21.33	21.39	21.36	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 652200	Channel 654734	Channel 657268	Channel 659800	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	21.49	21.52	21.55	21.49	21.58	21.49	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 652000	Channel 654668	Channel 657334	Channel 660000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	21.57	21.47	21.54	21.50	21.50	21.47	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 651800	Channel 654600	Channel 657400	Channel 660200	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	21.54	21.44	21.56	21.53	21.48	21.49	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 651600	Channel 654534	Channel 657468	Channel 660400	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	21.58	21.50	21.52	21.45	21.49	21.46	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 651400	Channel 654468	Channel 657534	Channel 660600	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.53	21.47	21.56	21.45	21.58	21.47	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 651200	Channel 654400	Channel 657600	Channel 660800	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.53	21.46	21.47	21.54	21.48	21.45	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 651000	Channel 654334	Channel 657668	Channel 661000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.50	21.46	21.53	21.53	21.49	21.46	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 650900	Channel 654300	Channel 657700	Channel 661100	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	21.51	21.53	21.51	21.45	21.48	21.48	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650800	Channel 654266	Channel 657732	Channel 661198	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.50	21.49	21.50	21.47	21.48	21.42	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 650700	Channel 654232	Channel 657764	Channel 661297	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	21.51	21.45	21.48	21.53	21.48	21.47	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650600	Channel 654200	Channel 657800	Channel 661400	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	21.57	21.52	21.52	21.48	21.54	21.42	22.00

1.10 Conducted Power of WIFI and BT

WIFI 2.4G Receiver on Receiver off Hotspot on Hotspot off				
Test mode	Test channel	Average Power (dBm)	Tune up (dBm)	SAR Test
11b	2412	18.30	19.50	No
	2437	18.49	19.50	No
	2462	18.84	19.50	Yes
11g	2412	Not Required	18.00	No
	2417		19.00	No
	2437		19.00	No
	2462		19.00	No
11n20	2412	Not Required	17.50	No
	2417		19.00	No
	2437		19.00	No
	2457		19.00	No
	2462		18.00	No
WIFI 2.4G Receiver on+WWAN simultaneous transmission Receiver off+WWAN simultaneous transmission Hotspot on+WWAN simultaneous transmission Hotspot off+WWAN simultaneous transmission				
Test mode	Test channel	Average Power (dBm)	Tune up (dBm)	SAR Test
11b	2412	15.42	16.50	No
	2437	15.53	16.50	No
	2462	15.76	16.50	Yes
11g	2412	Not Required	16.00	No
	2417		16.00	No
	2437		16.00	No
	2462		16.00	No
11n20	2412	Not Required	16.00	No
	2417		16.00	No
	2437		16.00	No
	2457		16.00	No
	2462		16.00	No

WIFI 5G Receiver on Receiver off Hotspot off							
5GHz	mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Average Power (dBm)	Tune up	SAR Test
802.11a	U-NII-1	36	5180	6	17.15	18.0	No
		40	5200		17.94	19.0	No
		48	5240		18.05	19.0	No
	U-NII-2A	52	5260		18.07	19.0	Yes
		60	5300		18.30	19.0	Yes
		64	5320		16.61	17.0	Yes
	U-NII-2C	100	5500		15.53	16.0	No
		104	5520		18.28	19.0	Yes
		108	5540		18.24	19.0	No
		112	5560		18.25	19.0	No
		116	5580		18.24	19.0	No
		120	5600		18.33	19.0	Yes
		124	5620		18.26	19.0	No
		128	5640		18.26	19.0	No
		132	5660		18.24	19.0	No
		136	5680		18.27	19.0	Yes
		140	5700		14.96	16.0	No
		144	5720		14.98	16.0	No
	U-NII-3	149	5745		17.96	19.0	Yes
		153	5765		17.90	19.0	No
		157	5785		17.95	19.0	Yes
		161	5805		17.93	19.0	No
		165	5825		18.00	19.0	Yes

802.11n-HT20	U-NII-1	36	5180	MCS0	Not Required	19.0	No
		40	5200			19.0	No
		48	5240			19.0	No
	U-NII-2A	52	5260			19.0	No
		60	5300			19.0	No
		64	5320			19.0	No
	U-NII-2C	100	5500			19.0	No
		104	5520			19.0	No
		108	5540			19.0	No
		112	5560			19.0	No
		116	5580			19.0	No
		120	5600			19.0	No
		124	5620			19.0	No
		128	5640			19.0	No
		132	5660			19.0	No
		136	5680			19.0	No
		140	5700			19.0	No
		144	5720			19.0	No
	U-NII-3	149	5745			19.0	No
		153	5765			19.0	No
		157	5785			19.0	No
		161	5805			19.0	No
		165	5825			19.0	No
802.11n-HT40	U-NII-1	38	5190	MCS0	Not Required	18.0	No
		46	5230			18.0	No
	U-NII-2A	54	5270			18.0	No
		62	5310			18.0	No
	U-NII-2C	102	5510			18.0	No
		110	5550			18.0	No
		118	5590			18.0	No
		126	5630			18.0	No
		134	5670			18.0	No
		142	5710			18.0	No
	U-NII-3	151	5755			18.0	No
		159	5795			18.0	No
802.11ac-20	U-NII-1	36	5180	MCS0	Not Required	18.0	No
		40	5200			19.0	No
		48	5240			19.0	No
	U-NII-2A	52	5260			19.0	No
		60	5300			19.0	No
		64	5320			17.0	No
	U-NII-2C	100	5500			17.0	No
		104	5520			19.0	No
		108	5540			19.0	No
		112	5560			19.0	No
		116	5580			19.0	No
		120	5600			19.0	No
		124	5620			19.0	No
		128	5640			19.0	No
		132	5660			19.0	No
		136	5680			19.0	No
		140	5700			16.0	No
		144	5720			16.0	No
	U-NII-3	149	5745			19.0	No
		153	5765			19.0	No
		157	5785			19.0	No
		161	5805			19.0	No
		165	5825			19.0	No
802.11ac-40	U-NII-1	38	5190	MCS0	Not Required	16.0	No
		46	5230			18.0	No
	U-NII-2A	54	5270			18.0	No
		62	5310			15.0	No
	U-NII-2C	102	5510			15.5	No
		110	5550			18.0	No
		118	5590			18.0	No
		126	5630			18.0	No
		134	5670			18.0	No
		142	5710			18.0	No
	U-NII-3	151	5755			18.0	No
		159	5795			18.0	No

802.11ac 80M	U-NII-1	42	5210	MCS0	Not Required	15.0	No
	U-NII-2A	58	5290		Not Required	15.0	No
	U-NII-2C	106	5530		Not Required	14.5	No
		122	5610			17.0	No
		138	5690			18.0	No
	U-NII-3	155	5775		Not Required	18.0	No

WIFI 5G Hotspot on							
5GHz	mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Average Power (dBm)	Tune up	SAR Test
802.11a	U-NII-1	36	5180	6	17.15	18.0	Yes
		40	5200		17.02	18.0	Yes
		48	5240		17.10	18.0	Yes
	U-NII-2A	52	5260		17.11	18.0	No
		60	5300		17.25	18.0	No
		64	5320		16.61	17.0	No
	U-NII-2C	100	5500		15.53	16.0	No
		104	5520		16.35	17.0	No
		108	5540		16.14	17.0	No
		112	5560		16.11	17.0	No
		116	5580		16.26	17.0	No
		120	5600		16.41	17.0	No
		124	5620		16.31	17.0	No
		128	5640		16.33	17.0	No
		132	5660		16.17	17.0	No
		136	5680		16.39	17.0	No
		140	5700		14.96	16.0	No
		144	5720		15.03	16.0	No
	U-NII-3	149	5745		16.00	17.0	Yes
		153	5765		15.95	17.0	No
		157	5785		15.98	17.0	Yes
		161	5805		15.90	17.0	No
		165	5825		16.07	17.0	Yes
802.11n-HT20	U-NII-1	36	5180	MCS0	Not Required	18.0	No
		40	5200			18.0	No
		48	5240			18.0	No
	U-NII-2A	52	5260			18.0	No
		60	5300			18.0	No
		64	5320			18.0	No
	U-NII-2C	100	5500			17.0	No
		104	5520			17.0	No
		108	5540			17.0	No
		112	5560			17.0	No
		116	5580			17.0	No
		120	5600			17.0	No
		124	5620			17.0	No
		128	5640			17.0	No
		132	5660			17.0	No
		136	5680			17.0	No
	U-NII-3	140	5700			17.0	No
		144	5720			17.0	No
		149	5745			17.0	No
		153	5765			17.0	No
		157	5785			17.0	No
802.11n-HT40	U-NII-1	38	5190	MCS0	Not Required	17.0	No
		46	5230			17.0	No
	U-NII-2A	54	5270			17.0	No
		62	5310			17.0	No
	U-NII-2C	102	5510			16.0	No
		110	5550			16.0	No
		118	5590			16.0	No
		126	5630			16.0	No
		134	5670			16.0	No
		142	5710			16.0	No
	U-NII-3	151	5755			16.0	No
		159	5795			16.0	No
802.11ac-20	U-NII-1	36	5180	MCS0	Not Required	18.0	No
		40	5200			18.0	No
		48	5240			18.0	No

	U-NII-2A	52	5260			18.0	No
		60	5300			18.0	No
		64	5320			17.0	No
	U-NII-2C	100	5500			16.0	No
		104	5520			17.0	No
		108	5540			17.0	No
		112	5560			17.0	No
		116	5580			17.0	No
		120	5600			17.0	No
		124	5620			17.0	No
		128	5640			17.0	No
		132	5660			17.0	No
		136	5680			17.0	No
		140	5700			16.0	No
		144	5720			16.0	No
	U-NII-3	149	5745			17.0	No
		153	5765			17.0	No
		157	5785			17.0	No
		161	5805			17.0	No
		165	5825			17.0	No
802.11ac-40	U-NII-1	38	5190	MCS0	Not Required	16.0	No
		46	5230			17.0	No
	U-NII-2A	54	5270			17.0	No
		62	5310			15.0	No
	U-NII-2C	102	5510			15.5	No
		110	5550			16.0	No
		118	5590			16.0	No
		126	5630			16.0	No
		134	5670			16.0	No
		142	5710			16.0	No
	U-NII-3	151	5755			16.0	No
		159	5795			16.0	No
802.11ac 80M	U-NII-1	42	5210	MCS0	Not Required	15.0	No
	U-NII-2A	58	5290		Not Required	15.0	No
	U-NII-2C	106	5530		Not Required	14.5	No
		122	5610			16.0	No
		138	5690			16.0	No
	U-NII-3	155	5775		Not Required	16.0	No
						16.0	No

WIFI 5G Receiver on+WWAN simultaneous transmission Receiver off+WWAN simultaneous transmission Hotspot on+WWAN simultaneous transmission Hotspot off+WWAN simultaneous transmission							
5GHz	mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Average Power (dBm)	Tune up	SAR Test
802.11a	U-NII-1	36	5180	6	12.23	14.0	No
		40	5200		12.14	14.0	No
		48	5240		12.70	14.0	No
	U-NII-2A	52	5260		13.11	14.0	No
		60	5300		13.45	14.0	Yes
		64	5320		13.43	14.0	No
	U-NII-2C	100	5500		13.26	14.0	No
		104	5520		13.29	14.0	No
		108	5540		13.22	14.0	No
		112	5560		13.20	14.0	No
		116	5580		13.27	14.0	No
		120	5600		13.30	14.0	Yes
		124	5620		13.28	14.0	No
		128	5640		13.20	14.0	No
		132	5660		13.18	14.0	No
		136	5680		13.27	14.0	No
		140	5700		13.10	14.0	No
		144	5720		13.09	14.0	No
	U-NII-3	149	5745		13.25	14.0	Yes
		153	5765		13.02	14.0	No
		157	5785		13.07	14.0	No
		161	5805		13.05	14.0	No
		165	5825		13.10	14.0	No
802.11n-HT20	U-NII-1	36	5180	MCS0	Not Required	14.0	No
		40	5200			14.0	No

	U-NII-2A	48	5240			14.0	No
		52	5260			14.0	No
		60	5300			14.0	No
		64	5320			14.0	No
	U-NII-2C	100	5500			14.0	No
		104	5520			14.0	No
		108	5540			14.0	No
		112	5560			14.0	No
		116	5580			14.0	No
		120	5600			14.0	No
		124	5620			14.0	No
		128	5640			14.0	No
		132	5660			14.0	No
		136	5680			14.0	No
		140	5700			14.0	No
		144	5720			14.0	No
	U-NII-3	149	5745			14.0	No
		153	5765			14.0	No
		157	5785			14.0	No
		161	5805			14.0	No
		165	5825			14.0	No
802.11n-HT40	U-NII-1	38	5190	MCS0	Not Required	13.0	No
		46	5230			13.0	No
	U-NII-2A	54	5270			13.0	No
		62	5310			13.0	No
	U-NII-2C	102	5510			13.0	No
		110	5550			13.0	No
		118	5590			13.0	No
		126	5630			13.0	No
		134	5670			13.0	No
		142	5710			13.0	No
	U-NII-3	151	5755			13.0	No
		159	5795			13.0	No
802.11ac-20	U-NII-1	36	5180	MCS0	Not Required	14.0	No
		40	5200			14.0	No
		48	5240			14.0	No
	U-NII-2A	52	5260			14.0	No
		60	5300			14.0	No
		64	5320			14.0	No
	U-NII-2C	100	5500			14.0	No
		104	5520			14.0	No
		108	5540			14.0	No
		112	5560			14.0	No
		116	5580			14.0	No
		120	5600			14.0	No
		124	5620			14.0	No
		128	5640			14.0	No
		132	5660			14.0	No
		136	5680			14.0	No
		140	5700			14.0	No
		144	5720			14.0	No
	U-NII-3	149	5745			14.0	No
		153	5765			14.0	No
		157	5785			14.0	No
		161	5805			14.0	No
		165	5825			14.0	No
						14.0	No
802.11ac-40	U-NII-1	38	5190	MCS0	Not Required	13.0	No
		46	5230			13.0	No
	U-NII-2A	54	5270			13.0	No
		62	5310			13.0	No
	U-NII-2C	102	5510			13.0	No
		110	5550			13.0	No
		118	5590			13.0	No
		126	5630			13.0	No
		134	5670			13.0	No
		142	5710			13.0	No
	U-NII-3	151	5755			13.0	No
		159	5795			13.0	No
802.11ac 80M	U-NII-1	42	5210	MCS0	Not Required	13.0	No
	U-NII-2A	58	5290		Not Required	13.0	No

	U-NII-2C	106	5530		Not Required	13.0	No
		122	5610			13.0	No
		138	5690			13.0	No
	U-NII-3	155	5775		Not Required	13.0	No

BT			
Test mode	Test channel	Average Power (dBm)	Tune up (dBm)
DH5	2402	10.10	10.50
	2441	9.79	10.50
	2480	9.35	10.50
2DH5	2402	6.57	7.00
	2441	6.11	7.00
	2480	5.89	7.00
3DH5	2402	6.65	7.00
	2441	6.24	7.00
	2480	6.01	7.00
BLE 1M	2402	1.90	3.00
	2440	2.12	3.00
	2480	1.19	3.00
BLE 2M	2404	1.99	3.00
	2440	2.15	3.00
	2478	1.70	3.00