



SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.

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Appendix E

Conducted RF Output Power

Measurement of RF Conducted Power
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1. Conducted Power of GSM

GSM 850 Ant7 Head&Hotspot										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	30.81	30.95	30.83	32.50	-9.19	21.62	21.76	21.64	23.31
GPRS/EGPRS (GMSK)	1 TX Slot	30.89	31.02	30.86	32.50	-9.19	21.70	21.83	21.67	23.31
	2 TX Slots	29.75	29.91	29.83	31.50	-6.18	23.57	23.73	23.65	25.32
	3 TX Slots	27.80	27.87	27.81	29.50	-4.42	23.38	23.45	23.39	25.08
	4 TX Slots	26.42	26.49	26.42	28.00	-3.17	23.25	23.32	23.25	24.83
EGPRS(8PSK)	1 TX Slot	25.34	25.47	25.30	27.00	-9.19	16.15	16.28	16.11	17.81
	2 TX Slots	24.42	24.53	24.31	26.00	-6.18	18.24	18.35	18.13	19.82
	3 TX Slots	22.59	22.65	22.49	24.00	-4.42	18.17	18.23	18.07	19.58
	4 TX Slots	21.50	21.52	21.50	23.00	-3.17	18.33	18.35	18.33	19.83

GSM 850 Ant7 Body										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	32.06	32.19	32.07	34.00	-9.19	22.87	23.00	22.88	24.81
GPRS/EGPRS (GMSK)	1 TX Slot	32.17	32.28	32.16	34.00	-9.19	22.98	23.09	22.97	24.81
	2 TX Slots	31.08	31.18	31.08	33.00	-6.18	24.90	25.00	24.90	26.82
	3 TX Slots	29.03	29.18	29.08	31.00	-4.42	24.61	24.76	24.66	26.58
	4 TX Slots	27.72	27.79	27.71	29.50	-3.17	24.55	24.62	24.54	26.33
EGPRS(8PSK)	1 TX Slot	26.58	26.69	26.55	28.50	-9.19	17.39	17.50	17.36	19.31
	2 TX Slots	25.69	25.78	25.63	27.50	-6.18	19.51	19.60	19.45	21.32
	3 TX Slots	23.81	23.88	23.77	25.50	-4.42	19.39	19.46	19.35	21.08
	4 TX Slots	22.75	22.83	22.76	24.50	-3.17	19.58	19.66	19.59	21.33

GSM 1900 Ant1 Head&Hotspot										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	27.82	27.91	27.80	29.50	-9.19	18.63	18.72	18.61	20.31
GPRS/EGPRS (GMSK)	1 TX Slot	27.84	27.99	27.89	29.50	-9.19	18.65	18.80	18.70	20.31
	2 TX Slots	27.10	27.38	27.26	28.50	-6.18	20.92	21.20	21.08	22.32
	3 TX Slots	24.69	24.68	24.62	26.00	-4.42	20.27	20.26	20.20	21.58
	4 TX Slots	23.45	23.52	23.36	25.00	-3.17	20.28	20.35	20.19	21.83
EGPRS(8PSK)	1 TX Slot	24.13	24.17	24.01	25.50	-9.19	14.94	14.98	14.82	16.31
	2 TX Slots	22.92	23.00	22.92	24.50	-6.18	16.74	16.82	16.74	18.32
	3 TX Slots	20.44	20.51	20.48	22.00	-4.42	16.02	16.09	16.06	17.58
	4 TX Slots	19.39	19.50	19.36	21.00	-3.17	16.22	16.33	16.19	17.83

GSM 1900 Ant1 Body										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	29.10	29.21	29.15	31.00	-9.19	19.91	20.02	19.96	21.81
GPRS/EGPRS (GMSK)	1 TX Slot	29.17	29.29	29.22	31.00	-9.19	19.98	20.10	20.03	21.81
	2 TX Slots	28.45	28.72	28.57	30.00	-6.18	22.27	22.54	22.39	23.82
	3 TX Slots	25.96	26.02	25.91	27.50	-4.42	21.54	21.60	21.49	23.08
	4 TX Slots	24.72	24.79	24.64	26.50	-3.17	21.55	21.62	21.47	23.33
EGPRS(8PSK)	1 TX Slot	25.40	25.47	25.32	27.00	-9.19	16.21	16.28	16.13	17.81
	2 TX Slots	24.20	24.33	24.24	26.00	-6.18	18.02	18.15	18.06	19.82
	3 TX Slots	21.75	21.85	21.74	23.50	-4.42	17.33	17.43	17.32	19.08
	4 TX Slots	20.66	20.79	20.71	22.50	-3.17	17.49	17.62	17.54	19.33



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2. Conducted Power of WCDMA

WCDMA Band 2 Ant1 Head					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	17.65	17.72	17.55	19.00
	12.2kbps AMR	17.47	17.65	17.48	19.00
HSDPA	Subtest 1	16.69	16.78	16.51	18.00
	Subtest 2	16.68	16.78	16.56	18.00
	Subtest 3	16.11	16.21	16.04	17.50
	Subtest 4	16.14	16.24	16.11	17.50
HSUPA	Subtest 1	15.11	15.21	15.10	16.50
	Subtest 2	14.61	14.69	14.60	16.00
	Subtest 3	15.62	15.71	15.57	17.00
	Subtest 4	14.70	14.80	14.63	16.00
	Subtest 5	15.64	15.71	15.56	17.00
HSPA+	16QAM	15.10	15.30	15.05	16.50

WCDMA Band 2 Ant1 Body					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	22.35	22.45	22.29	24.00
	12.2kbps AMR	22.21	22.35	22.19	24.00
HSDPA	Subtest 1	21.37	21.48	21.24	23.00
	Subtest 2	21.37	21.45	21.29	23.00
	Subtest 3	20.84	20.95	20.76	22.50
	Subtest 4	20.82	20.93	20.81	22.50
HSUPA	Subtest 1	19.82	19.90	19.77	21.50
	Subtest 2	19.34	19.40	19.32	21.00
	Subtest 3	20.33	20.41	20.28	22.00
	Subtest 4	19.38	19.50	19.33	21.00
	Subtest 5	20.34	20.43	20.26	22.00
HSPA+	16QAM	19.81	20.00	19.75	21.50

WCDMA Band 2 Ant1 Hotspot					
Average Conducted Power(dBm)					
Channel		9262	9400	9538	Tune up
WCDMA	12.2kbps RMC	21.06	21.19	21.01	22.00
	12.2kbps AMR	20.94	21.03	20.91	22.00
HSDPA	Subtest 1	20.06	20.15	19.89	21.00
	Subtest 2	20.06	20.14	19.98	21.00
	Subtest 3	19.52	19.69	19.49	20.50
	Subtest 4	19.49	19.62	19.49	20.50
HSUPA	Subtest 1	18.51	18.57	18.45	19.50
	Subtest 2	18.08	18.06	17.98	19.00
	Subtest 3	19.03	19.15	18.98	20.00
	Subtest 4	18.04	18.19	18.03	19.00
	Subtest 5	19.04	19.16	18.97	20.00
HSPA+	16QAM	18.47	18.69	18.43	19.50



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WCDMA Band 4 Ant1 Head Standalone					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	19.21	19.42	19.15	21.00
	12.2kbps AMR	19.15	19.34	19.12	21.00
HSDPA	Subtest 1	18.18	18.39	18.13	20.00
	Subtest 2	18.29	18.38	18.13	20.00
	Subtest 3	17.84	17.82	17.71	19.50
	Subtest 4	17.82	17.92	17.71	19.50
HSUPA	Subtest 1	16.84	16.9	16.67	18.50
	Subtest 2	16.32	16.43	16.20	18.00
	Subtest 3	17.20	17.34	17.22	19.00
	Subtest 4	16.29	16.44	16.12	18.00
	Subtest 5	17.26	17.44	17.21	19.00
HSPA+	16QAM	16.76	16.83	16.67	18.50

WCDMA Band 4 Ant1 Head Simultaneous					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	15.71	15.92	15.65	17.50
	12.2kbps AMR	15.71	15.83	15.62	17.50
HSDPA	Subtest 1	14.64	14.93	14.63	16.50
	Subtest 2	14.83	14.88	14.65	16.50
	Subtest 3	14.33	14.34	14.20	16.00
	Subtest 4	14.30	14.46	14.25	16.00
HSUPA	Subtest 1	13.32	13.45	13.19	15.00
	Subtest 2	12.78	12.91	12.75	14.50
	Subtest 3	13.67	13.83	13.72	15.50
	Subtest 4	12.80	12.98	12.58	14.50
	Subtest 5	13.80	13.98	13.68	15.50
HSPA+	16QAM	13.24	13.36	13.16	15.00

WCDMA Band 4 Ant1 Body					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	22.26	22.38	22.19	24.00
	12.2kbps AMR	22.12	22.3	22.11	24.00
HSDPA	Subtest 1	21.21	21.43	21.15	23.00
	Subtest 2	21.29	21.39	21.14	23.00
	Subtest 3	20.80	20.87	20.74	22.50
	Subtest 4	20.82	20.88	20.68	22.50
HSUPA	Subtest 1	19.82	19.92	19.66	21.50
	Subtest 2	19.28	19.40	19.24	21.00
	Subtest 3	20.24	20.37	20.21	22.00
	Subtest 4	19.30	19.40	19.17	21.00
	Subtest 5	20.25	20.43	20.17	22.00
HSPA+	16QAM	19.80	19.86	19.69	21.50



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WCDMA Band 4 Ant1 Hotspot					
Average Conducted Power(dBm)					
Channel		1312	1412	1513	Tune up
WCDMA	12.2kbps RMC	21.27	21.37	21.23	22.50
	12.2kbps AMR	21.12	21.26	21.08	22.50
HSDPA	Subtest 1	20.24	20.38	20.12	21.50
	Subtest 2	20.27	20.37	20.16	21.50
	Subtest 3	19.82	19.86	19.69	21.00
	Subtest 4	19.81	19.83	19.65	21.00
HSUPA	Subtest 1	18.78	18.93	18.70	20.00
	Subtest 2	18.29	18.39	18.24	19.50
	Subtest 3	19.24	19.40	19.16	20.50
	Subtest 4	18.28	18.37	18.14	19.50
	Subtest 5	19.29	19.43	19.20	20.50
HSPA+	16QAM	18.80	18.83	18.68	20.00

WCDMA Band 5 Ant7 Head&Hotspot					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	21.33	21.48	21.42	22.50
	12.2kbps AMR	21.23	21.4	21.29	22.50
HSDPA	Subtest 1	20.41	20.39	20.37	21.50
	Subtest 2	20.43	20.47	20.39	21.50
	Subtest 3	19.92	19.96	19.91	21.00
	Subtest 4	19.82	19.94	19.86	21.00
HSUPA	Subtest 1	18.86	19.03	18.94	20.00
	Subtest 2	18.36	18.54	18.42	19.50
	Subtest 3	19.44	19.41	19.36	20.50
	Subtest 4	18.40	18.56	18.44	19.50
	Subtest 5	19.44	19.56	19.37	20.50
HSPA+	16QAM	18.95	18.99	18.89	20.00

WCDMA Band 5 Ant7 Body					
Average Conducted Power(dBm)					
Channel		4132	4182	4233	Tune up
WCDMA	12.2kbps RMC	22.64	22.76	22.67	24.00
	12.2kbps AMR	22.5	22.7	22.57	24.00
HSDPA	Subtest 1	21.70	21.74	21.65	23.00
	Subtest 2	21.68	21.78	21.63	23.00
	Subtest 3	21.18	21.24	21.22	22.50
	Subtest 4	21.14	21.25	21.16	22.50
HSUPA	Subtest 1	20.13	20.27	20.22	21.50
	Subtest 2	19.68	19.77	19.66	21.00
	Subtest 3	20.68	20.73	20.67	22.00
	Subtest 4	19.68	19.81	19.73	21.00
	Subtest 5	20.70	20.79	20.66	22.00
HSPA+	16QAM	20.19	20.30	20.15	21.50



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3. Conducted Power of LTE

LTE Band 2 Ant1 Head Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.93	20.29	20.08	21.00
		1	2	19.77	19.97	19.79	21.00
		1	5	19.79	20.11	19.94	21.00
		3	0	20.10	20.23	20.09	21.00
		3	2	19.79	20.06	19.90	21.00
		3	3	19.80	20.13	20.00	21.00
		6	0	19.79	20.09	20.08	21.00
	16QAM	1	0	19.87	20.05	19.88	21.00
		1	2	19.93	20.02	19.80	21.00
		1	5	19.74	19.90	19.85	21.00
		3	0	19.97	20.10	19.89	21.00
		3	2	19.77	19.99	19.90	21.00
		3	3	19.89	19.95	19.98	21.00
		6	0	19.89	19.95	19.92	21.00
	64QAM	1	0	19.87	20.13	20.03	21.00
		1	2	19.76	20.17	19.83	21.00
		1	5	19.97	20.02	19.89	21.00
		3	0	19.80	20.14	19.90	21.00
		3	2	19.89	20.06	19.82	21.00
		3	3	20.83	20.97	20.70	21.00
		6	0	19.99	20.13	19.99	21.00
	256QAM	1	0	18.01	18.28	18.10	19.00
		1	2	17.90	18.21	17.91	19.00
		1	5	18.05	18.22	17.95	19.00
		3	0	17.84	18.12	17.84	19.00
		3	2	18.10	18.21	17.98	19.00
		3	3	18.08	18.21	18.09	19.00
		6	0	18.01	18.26	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	20.02	20.36	20.12	21.00
		1	7	19.83	19.92	19.69	21.00
		1	14	19.82	20.06	19.88	21.00
		8	0	20.13	20.24	19.98	21.00
		8	4	19.78	19.99	19.85	21.00
		8	7	19.81	20.10	19.91	21.00
		15	0	19.88	20.06	20.05	21.00
	16QAM	1	0	19.85	20.07	19.84	21.00
		1	7	19.83	19.96	19.85	21.00
		1	14	19.84	19.90	19.86	21.00
		8	0	19.99	20.05	19.97	21.00
		8	4	19.80	19.93	19.88	21.00
		8	7	19.94	20.02	19.94	21.00
		15	0	19.79	20.00	19.83	21.00
	64QAM	1	0	19.83	20.17	20.09	21.00
		1	7	19.79	20.18	19.93	21.00
		1	14	19.96	20.10	19.82	21.00
		8	0	20.12	20.21	20.01	21.00
		8	0	20.12	20.21	20.01	21.00



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		8	4	19.88	20.18	19.83	21.00
		8	7	19.96	20.10	19.84	21.00
		15	0	19.96	20.09	19.96	21.00
	256QAM	1	0	18.04	18.28	18.08	19.00
		1	7	17.97	18.20	17.92	19.00
		1	14	18.10	18.16	17.98	19.00
		8	0	17.84	18.11	17.86	19.00
		8	4	18.07	18.20	18.01	19.00
		8	7	18.13	18.24	18.08	19.00
		15	0	18.03	18.21	17.90	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	19.99	20.36	20.16	21.00
		1	13	19.84	20.01	19.70	21.00
		1	24	19.83	20.14	19.87	21.00
		12	0	20.14	20.19	20.08	21.00
		12	6	19.73	20.02	19.83	21.00
		12	13	19.90	20.03	19.98	21.00
		25	0	19.90	20.04	20.05	21.00
	16QAM	1	0	19.80	20.00	19.78	21.00
		1	13	19.93	20.08	19.88	21.00
		1	24	19.84	19.92	19.85	21.00
		12	0	19.94	20.02	19.92	21.00
		12	6	19.80	19.90	19.90	21.00
		12	13	19.93	19.92	19.92	21.00
		25	0	19.83	19.93	19.88	21.00
	64QAM	1	0	19.89	20.16	19.98	21.00
		1	13	19.73	20.09	19.89	21.00
		1	24	19.97	20.00	19.86	21.00
		12	0	20.12	20.19	19.99	21.00
		12	6	19.83	20.09	19.84	21.00
		12	13	19.99	20.14	19.86	21.00
		25	0	19.99	20.13	19.97	21.00
	256QAM	1	0	18.04	18.27	18.17	19.00
		1	13	17.92	18.16	17.93	19.00
		1	24	18.09	18.18	17.96	19.00
		12	0	17.93	18.18	17.92	19.00
		12	6	18.02	18.11	17.97	19.00
		12	13	18.15	18.21	18.03	19.00
		25	0	18.07	18.23	17.92	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	20.03	20.36	20.16	21.00
		1	25	19.85	19.91	19.79	21.00
		1	49	19.77	20.08	19.96	21.00
		25	0	20.08	20.18	20.01	21.00
		25	13	19.73	19.97	19.93	21.00
		25	25	19.86	20.06	19.92	21.00
		50	0	19.84	20.05	20.01	21.00
	16QAM	1	0	19.77	20.02	19.79	21.00
		1	25	19.89	20.02	19.83	21.00
		1	49	19.74	19.91	19.92	21.00
		25	0	19.99	20.06	19.92	21.00
		25	13	19.70	19.99	19.86	21.00
		25	25	19.86	19.92	20.02	21.00
		50	0	19.81	19.94	19.83	21.00



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	64QAM	1	0	19.81	20.10	19.99	21.00
		1	25	19.72	20.05	19.84	21.00
		1	49	19.93	20.00	19.92	21.00
		25	0	20.12	20.22	19.94	21.00
		25	13	19.90	20.15	19.91	21.00
		25	25	20.02	20.15	19.84	21.00
		50	0	20.03	20.10	19.96	21.00
	256QAM	1	0	18.06	18.23	18.06	19.00
		1	25	17.97	18.25	17.90	19.00
		1	49	18.07	18.19	18.04	19.00
		25	0	17.96	18.08	17.84	19.00
		25	13	18.03	18.11	18.01	19.00
		25	25	18.16	18.18	18.09	19.00
		50	0	18.02	18.22	17.93	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.96	20.30	20.15	21.00
		1	38	19.83	19.99	19.77	21.00
		1	74	19.75	20.14	19.95	21.00
		36	0	20.06	20.25	19.99	21.00
		36	18	19.73	20.07	19.91	21.00
		36	39	19.92	20.12	20.00	21.00
		75	0	19.83	20.09	20.01	21.00
	16QAM	1	0	19.83	20.08	19.86	21.00
		1	38	19.88	19.99	19.78	21.00
		1	74	19.75	19.97	19.89	21.00
		36	0	19.97	20.09	19.97	21.00
		36	18	19.72	19.95	19.83	21.00
		36	39	19.90	19.97	19.92	21.00
		75	0	19.82	20.02	19.82	21.00
	64QAM	1	0	19.78	20.14	20.00	21.00
		1	38	19.70	20.09	19.96	21.00
		1	74	19.93	20.10	19.91	21.00
		36	0	20.04	20.18	19.93	21.00
		36	18	19.90	20.13	19.88	21.00
		36	39	20.03	20.14	19.79	21.00
		75	0	20.04	20.07	19.95	21.00
	256QAM	1	0	18.03	18.21	18.06	19.00
		1	38	17.89	18.22	17.96	19.00
		1	74	18.09	18.21	18.00	19.00
		36	0	17.85	18.19	17.95	19.00
		36	18	18.06	18.21	17.91	19.00
		36	39	18.09	18.16	18.02	19.00
		75	0	17.98	18.21	17.91	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	20.18	20.49	20.29	21.00
		1	50	19.98	20.15	19.94	21.00
		1	99	19.99	20.30	20.11	21.00
		50	0	20.27	20.42	20.21	21.00
		50	25	19.97	20.21	20.07	21.00
		50	50	20.04	20.26	20.14	21.00
		100	0	20.03	20.27	20.21	21.00
	16QAM	1	0	20.01	20.20	20.01	21.00
		1	50	20.07	20.21	20.02	21.00
		1	99	19.97	20.11	20.10	21.00
		50	0	20.14	20.24	20.12	21.00



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		50	25	19.95	20.14	20.05	21.00
		50	50	20.06	20.16	20.17	21.00
		100	0	20.03	20.17	20.05	21.00
	64QAM	1	0	20.01	20.34	20.23	21.00
		1	50	19.94	20.30	20.08	21.00
		1	99	20.10	20.22	20.06	21.00
		50	0	20.03	20.24	20.21	21.00
		50	25	19.88	20.28	20.10	21.00
		50	50	20.07	20.24	20.09	21.00
		100	0	20.18	20.30	20.14	21.00
	256QAM	1	0	18.24	18.44	18.30	19.00
		1	50	18.12	18.41	18.14	19.00
		1	99	18.23	18.37	18.17	19.00
		50	0	18.09	18.33	18.09	19.00
		50	25	18.24	18.35	18.15	19.00
		50	50	18.31	18.41	18.25	19.00
		100	0	18.21	18.39	18.09	19.00

LTE Band 2 Ant1 Head Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	17.86	18.01	17.90	18.50
		1	2	17.63	17.82	17.65	18.50
		1	5	17.67	17.80	17.70	18.50
		3	0	17.88	17.97	17.83	18.50
		3	2	17.53	17.91	17.57	18.50
		3	3	17.67	17.85	17.66	18.50
		6	0	17.50	17.85	17.58	18.50
	16QAM	1	0	17.74	17.83	17.65	18.50
		1	2	17.53	17.88	17.64	18.50
		1	5	17.71	17.79	17.66	18.50
		3	0	17.54	17.86	17.61	18.50
		3	2	17.64	17.86	17.60	18.50
		3	3	17.54	17.79	17.68	18.50
		6	0	17.68	17.75	17.63	18.50
	64QAM	1	0	17.46	17.83	17.57	18.50
		1	2	17.64	17.80	17.61	18.50
		1	5	17.58	17.90	17.62	18.50
		3	0	17.72	17.86	17.66	18.50
		3	2	17.51	17.78	17.60	18.50
		3	3	17.63	17.88	17.60	18.50
		6	0	17.48	17.90	17.60	18.50
	256QAM	1	0	17.71	17.84	17.66	18.50
		1	2	17.56	17.88	17.57	18.50
		1	5	17.61	17.88	17.64	18.50
		3	0	17.58	17.80	17.53	18.50
		3	2	17.69	17.77	17.66	18.50
		3	3	17.57	17.88	17.59	18.50
		6	0	17.66	17.75	17.67	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	17.84	18.02	17.90	18.50
		1	7	17.60	17.82	17.60	18.50
		1	14	17.63	17.82	17.65	18.50



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		8	0	17.83	17.98	17.85	18.50
		8	4	17.56	17.90	17.54	18.50
		8	7	17.67	17.80	17.64	18.50
		15	0	17.55	17.87	17.59	18.50
	16QAM	1	0	17.69	17.88	17.70	18.50
		1	7	17.56	17.92	17.60	18.50
		1	14	17.63	17.81	17.65	18.50
		8	0	17.49	17.85	17.56	18.50
		8	4	17.62	17.85	17.63	18.50
		8	7	17.56	17.76	17.67	18.50
		15	0	17.64	17.72	17.65	18.50
	64QAM	1	0	17.46	17.83	17.55	18.50
		1	7	17.57	17.81	17.63	18.50
		1	14	17.58	17.86	17.55	18.50
		8	0	17.74	17.90	17.63	18.50
		8	4	17.53	17.86	17.64	18.50
		8	7	17.55	17.81	17.59	18.50
		15	0	17.50	17.85	17.60	18.50
	256QAM	1	0	17.66	17.88	17.64	18.50
		1	7	17.57	17.87	17.62	18.50
		1	14	17.63	17.85	17.65	18.50
		8	0	17.60	17.81	17.55	18.50
		8	4	17.69	17.77	17.66	18.50
		8	7	17.51	17.88	17.58	18.50
		15	0	17.69	17.80	17.72	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	17.87	17.97	17.84	18.50
		1	13	17.63	17.83	17.63	18.50
		1	24	17.67	17.84	17.66	18.50
		12	0	17.86	18.00	17.84	18.50
		12	6	17.54	17.87	17.57	18.50
		12	13	17.68	17.86	17.67	18.50
		25	0	17.53	17.86	17.55	18.50
	16QAM	1	0	17.66	17.88	17.66	18.50
		1	13	17.50	17.84	17.59	18.50
		1	24	17.64	17.86	17.68	18.50
		12	0	17.49	17.90	17.57	18.50
		12	6	17.61	17.80	17.65	18.50
		12	13	17.56	17.77	17.66	18.50
		25	0	17.68	17.72	17.65	18.50
	64QAM	1	0	17.49	17.88	17.58	18.50
		1	13	17.61	17.78	17.64	18.50
		1	24	17.63	17.86	17.62	18.50
		12	0	17.67	17.86	17.67	18.50
		12	6	17.55	17.86	17.55	18.50
		12	13	17.57	17.88	17.63	18.50
		25	0	17.56	17.87	17.56	18.50
	256QAM	1	0	17.65	17.88	17.63	18.50
		1	13	17.54	17.92	17.57	18.50
		1	24	17.63	17.85	17.63	18.50
		12	0	17.60	17.88	17.59	18.50
		12	6	17.67	17.79	17.66	18.50
		12	13	17.53	17.86	17.61	18.50
		25	0	17.67	17.78	17.71	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				18650	18900	19150	
10MHz	QPSK	1	0	17.89	17.97	17.87	18.50
		1	25	17.58	17.85	17.60	18.50
		1	49	17.62	17.86	17.68	18.50
		25	0	17.87	17.95	17.78	18.50
		25	13	17.55	17.86	17.61	18.50
		25	25	17.70	17.86	17.61	18.50
		50	0	17.54	17.81	17.55	18.50
	16QAM	1	0	17.68	17.83	17.66	18.50
		1	25	17.52	17.87	17.63	18.50
		1	49	17.67	17.86	17.61	18.50
		25	0	17.54	17.86	17.59	18.50
		25	13	17.62	17.83	17.66	18.50
		25	25	17.56	17.84	17.68	18.50
		50	0	17.66	17.76	17.67	18.50
	64QAM	1	0	17.47	17.88	17.57	18.50
		1	25	17.61	17.84	17.65	18.50
		1	49	17.60	17.84	17.60	18.50
		25	0	17.74	17.90	17.65	18.50
		25	13	17.49	17.83	17.55	18.50
		25	25	17.63	17.84	17.63	18.50
		50	0	17.50	17.89	17.63	18.50
	256QAM	1	0	17.73	17.83	17.70	18.50
		1	25	17.56	17.90	17.62	18.50
		1	49	17.56	17.87	17.64	18.50
		25	0	17.55	17.84	17.60	18.50
		25	13	17.66	17.75	17.64	18.50
		25	25	17.50	17.89	17.58	18.50
		50	0	17.63	17.77	17.67	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	17.85	18.02	17.86	18.50
		1	38	17.62	17.79	17.63	18.50
		1	74	17.62	17.78	17.67	18.50
		36	0	17.80	17.92	17.85	18.50
		36	18	17.56	17.83	17.57	18.50
		36	39	17.66	17.88	17.67	18.50
		75	0	17.52	17.85	17.60	18.50
	16QAM	1	0	17.70	17.81	17.66	18.50
		1	38	17.52	17.88	17.60	18.50
		1	74	17.70	17.80	17.60	18.50
		36	0	17.47	17.87	17.60	18.50
		36	18	17.65	17.83	17.58	18.50
		36	39	17.55	17.81	17.67	18.50
		75	0	17.70	17.73	17.71	18.50
	64QAM	1	0	17.49	17.83	17.55	18.50
		1	38	17.58	17.83	17.58	18.50
		1	74	17.62	17.90	17.57	18.50
		36	0	17.68	17.90	17.67	18.50
		36	18	17.54	17.85	17.56	18.50
		36	39	17.61	17.88	17.64	18.50
		75	0	17.51	17.85	17.59	18.50
	256QAM	1	0	17.69	17.87	17.63	18.50
		1	38	17.52	17.87	17.60	18.50
		1	74	17.62	17.83	17.60	18.50
		36	0	17.55	17.85	17.59	18.50
		36	18	17.68	17.79	17.63	18.50



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		36	39	17.55	17.85	17.59	18.50
		75	0	17.70	17.73	17.72	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	17.96	18.06	17.99	18.50
		1	50	17.73	17.93	17.66	18.50
		1	99	17.73	17.88	17.79	18.50
		50	0	17.95	18.03	17.88	18.50
		50	25	17.68	18.00	17.72	18.50
		50	50	17.80	17.95	17.72	18.50
		100	0	17.68	17.97	17.71	18.50
	16QAM	1	0	17.77	17.91	17.77	18.50
		1	50	17.64	17.99	17.73	18.50
		1	99	17.74	17.93	17.73	18.50
		50	0	17.59	18.00	17.68	18.50
		50	25	17.74	17.98	17.69	18.50
		50	50	17.69	17.88	17.72	18.50
		100	0	17.76	17.87	17.73	18.50
	64QAM	1	0	17.61	17.90	17.72	18.50
		1	50	17.69	17.87	17.68	18.50
		1	99	17.68	18.00	17.69	18.50
		50	0	17.82	17.92	17.76	18.50
		50	25	17.61	17.91	17.69	18.50
		50	50	17.74	17.97	17.68	18.50
		100	0	17.61	17.95	17.64	18.50
	256QAM	1	0	17.82	17.97	17.78	18.50
		1	50	17.67	18.02	17.72	18.50
		1	99	17.66	17.94	17.73	18.50
		50	0	17.73	17.95	17.70	18.50
		50	25	17.75	17.83	17.78	18.50
		50	50	17.64	17.94	17.68	18.50
		100	0	17.80	17.86	17.80	18.50

LTE Band 2 Ant1 Head For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	14.78	15.00	14.84	15.50
		1	2	14.59	14.81	14.61	15.50
		1	5	14.63	14.86	14.71	15.50
		3	0	14.82	14.93	14.82	15.50
		3	2	14.57	14.82	14.52	15.50
		3	3	14.61	14.86	14.69	15.50
		6	0	14.52	14.87	14.58	15.50
	16QAM	1	0	14.68	14.85	14.65	15.50
		1	2	14.49	14.88	14.65	15.50
		1	5	14.73	14.86	14.62	15.50
		3	0	14.51	14.84	14.58	15.50
		3	2	14.68	14.82	14.70	15.50
		3	3	14.56	14.81	14.64	15.50
		6	0	14.68	14.75	14.69	15.50
	64QAM	1	0	14.49	14.88	14.61	15.50
		1	2	14.61	14.81	14.63	15.50
		1	5	14.61	14.89	14.67	15.50
		3	0	14.69	14.80	14.65	15.50
		3	2	14.50	14.88	14.65	15.50



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	256QAM	3	3	14.63	14.84	14.65	15.50
		6	0	14.54	14.93	14.61	15.50
		1	0	14.66	14.81	14.63	15.50
		1	2	14.57	14.84	14.56	15.50
		1	5	14.72	14.90	14.57	15.50
		3	0	14.51	14.88	14.62	15.50
		3	2	14.68	14.86	14.69	15.50
		3	3	14.57	14.87	14.68	15.50
		6	0	14.70	14.89	14.63	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	14.83	14.99	14.88	15.50
		1	7	14.56	14.86	14.62	15.50
		1	14	14.63	14.86	14.69	15.50
		8	0	14.83	14.93	14.83	15.50
		8	4	14.54	14.78	14.57	15.50
		8	7	14.64	14.88	14.66	15.50
		15	0	14.52	14.85	14.58	15.50
	16QAM	1	0	14.67	14.82	14.64	15.50
		1	7	14.48	14.84	14.67	15.50
		1	14	14.67	14.82	14.57	15.50
		8	0	14.52	14.84	14.56	15.50
		8	4	14.67	14.88	14.64	15.50
		8	7	14.52	14.84	14.65	15.50
		15	0	14.65	14.78	14.66	15.50
	64QAM	1	0	14.50	14.93	14.67	15.50
		1	7	14.61	14.83	14.62	15.50
		1	14	14.59	14.89	14.63	15.50
		8	0	14.65	14.78	14.64	15.50
		8	4	14.57	14.88	14.62	15.50
		8	7	14.58	14.82	14.58	15.50
		15	0	14.56	14.87	14.59	15.50
	256QAM	1	0	14.65	14.78	14.59	15.50
		1	7	14.57	14.80	14.61	15.50
		1	14	14.70	14.89	14.61	15.50
		8	0	14.53	14.90	14.62	15.50
		8	4	14.69	14.80	14.66	15.50
		8	7	14.61	14.81	14.62	15.50
		15	0	14.64	14.86	14.66	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	14.83	15.03	14.89	15.50
		1	13	14.54	14.86	14.57	15.50
		1	24	14.60	14.82	14.72	15.50
		12	0	14.82	15.00	14.77	15.50
		12	6	14.56	14.80	14.59	15.50
		12	13	14.62	14.81	14.68	15.50
		25	0	14.46	14.88	14.52	15.50
	16QAM	1	0	14.68	14.82	14.59	15.50
		1	13	14.53	14.85	14.62	15.50
		1	24	14.66	14.85	14.59	15.50
		12	0	14.52	14.84	14.61	15.50
		12	6	14.69	14.85	14.62	15.50
		12	13	14.53	14.84	14.63	15.50
		25	0	14.67	14.74	14.67	15.50
	64QAM	1	0	14.49	14.93	14.68	15.50



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		1	13	14.61	14.83	14.62	15.50
		1	24	14.60	14.88	14.65	15.50
		12	0	14.70	14.80	14.66	15.50
		12	6	14.52	14.91	14.66	15.50
		12	13	14.57	14.82	14.60	15.50
		25	0	14.55	14.84	14.58	15.50
	256QAM	1	0	14.60	14.81	14.54	15.50
		1	13	14.53	14.83	14.55	15.50
		1	24	14.70	14.87	14.56	15.50
		12	0	14.48	14.89	14.57	15.50
		12	6	14.63	14.86	14.68	15.50
		12	13	14.57	14.88	14.65	15.50
		25	0	14.67	14.84	14.68	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	14.81	14.99	14.89	15.50
		1	25	14.60	14.84	14.58	15.50
		1	49	14.61	14.86	14.67	15.50
		25	0	14.83	14.98	14.79	15.50
		25	13	14.61	14.80	14.55	15.50
		25	25	14.62	14.84	14.68	15.50
		50	0	14.49	14.83	14.57	15.50
	16QAM	1	0	14.62	14.83	14.63	15.50
		1	25	14.50	14.82	14.68	15.50
		1	49	14.66	14.83	14.64	15.50
		25	0	14.55	14.86	14.61	15.50
		25	13	14.68	14.89	14.70	15.50
		25	25	14.50	14.83	14.61	15.50
		50	0	14.63	14.80	14.71	15.50
	64QAM	1	0	14.49	14.87	14.62	15.50
		1	25	14.66	14.83	14.63	15.50
		1	49	14.63	14.85	14.66	15.50
		25	0	14.67	14.81	14.63	15.50
		25	13	14.50	14.84	14.66	15.50
		25	25	14.61	14.80	14.64	15.50
		50	0	14.52	14.91	14.59	15.50
	256QAM	1	0	14.64	14.81	14.60	15.50
		1	25	14.55	14.87	14.59	15.50
		1	49	14.66	14.86	14.62	15.50
		25	0	14.49	14.91	14.63	15.50
		25	13	14.64	14.83	14.68	15.50
		25	25	14.57	14.82	14.68	15.50
		50	0	14.67	14.83	14.60	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	14.77	14.99	14.89	15.50
		1	38	14.54	14.87	14.59	15.50
		1	74	14.61	14.81	14.69	15.50
		36	0	14.85	14.98	14.84	15.50
		36	18	14.58	14.85	14.53	15.50
		36	39	14.68	14.84	14.69	15.50
		75	0	14.50	14.82	14.58	15.50
	16QAM	1	0	14.67	14.85	14.65	15.50
		1	38	14.45	14.83	14.68	15.50
		1	74	14.72	14.80	14.61	15.50
		36	0	14.52	14.87	14.54	15.50
		36	18	14.71	14.85	14.66	15.50



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		36	39	14.57	14.81	14.59	15.50
		75	0	14.69	14.81	14.69	15.50
	64QAM	1	0	14.52	14.93	14.61	15.50
		1	38	14.64	14.84	14.69	15.50
		1	74	14.55	14.88	14.67	15.50
		36	0	14.70	14.78	14.60	15.50
		36	18	14.55	14.83	14.63	15.50
		36	39	14.63	14.85	14.60	15.50
		75	0	14.52	14.86	14.55	15.50
	256QAM	1	0	14.61	14.82	14.59	15.50
		1	38	14.55	14.82	14.59	15.50
		1	74	14.67	14.85	14.55	15.50
		36	0	14.54	14.88	14.59	15.50
		36	18	14.65	14.88	14.65	15.50
		36	39	14.59	14.83	14.68	15.50
		75	0	14.64	14.88	14.66	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	14.88	15.13	14.94	15.50
		1	50	14.64	14.91	14.72	15.50
		1	99	14.71	14.93	14.81	15.50
		50	0	14.96	15.03	14.88	15.50
		50	25	14.63	14.91	14.64	15.50
		50	50	14.77	14.97	14.79	15.50
		100	0	14.58	14.95	14.62	15.50
	16QAM	1	0	14.73	14.99	14.73	15.50
		1	50	14.61	14.94	14.77	15.50
		1	99	14.80	14.94	14.68	15.50
		50	0	14.63	14.98	14.72	15.50
		50	25	14.76	14.95	14.74	15.50
		50	50	14.66	14.90	14.74	15.50
		100	0	14.75	14.91	14.80	15.50
	64QAM	1	0	14.59	15.01	14.76	15.50
		1	50	14.71	14.98	14.76	15.50
		1	99	14.69	14.97	14.75	15.50
		50	0	14.81	14.92	14.73	15.50
		50	25	14.65	14.96	14.77	15.50
		50	50	14.68	14.90	14.74	15.50
		100	0	14.61	15.00	14.69	15.50
	256QAM	1	0	14.71	14.86	14.64	15.50
		1	50	14.68	14.91	14.70	15.50
		1	99	14.75	14.99	14.66	15.50
		50	0	14.57	15.00	14.71	15.50
		50	25	14.75	14.96	14.77	15.50
		50	50	14.68	14.91	14.75	15.50
		100	0	14.81	14.92	14.70	15.50

LTE Band 2 Ant1 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	23.17	23.34	23.22	24.00
		1	2	23.00	23.17	23.08	24.00
		1	5	23.10	23.22	23.10	24.00
		3	0	22.96	23.18	23.03	24.00
		3	2	22.99	23.22	23.05	24.00



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		3	3	22.96	23.16	23.03	24.00
		6	0	21.99	22.19	22.06	23.00
	16QAM	1	0	21.89	22.21	21.85	23.00
		1	2	22.02	22.16	22.09	23.00
		1	5	22.19	22.23	22.17	23.00
		3	0	21.98	22.25	22.11	23.00
		3	2	21.86	22.19	21.92	23.00
		3	3	22.03	22.26	22.05	23.00
		6	0	20.96	21.14	20.93	22.00
	64QAM	1	0	20.87	20.94	20.70	22.00
		1	2	21.01	21.12	21.02	22.00
		1	5	20.83	20.99	20.74	22.00
		3	0	20.91	21.06	20.99	22.00
		3	2	20.97	21.08	20.93	22.00
		3	3	20.83	20.97	20.70	22.00
		6	0	19.99	20.13	19.99	21.00
	256QAM	1	0	18.01	18.28	18.10	19.00
		1	2	17.90	18.21	17.91	19.00
		1	5	18.05	18.22	17.95	19.00
		3	0	17.84	18.12	17.84	19.00
		3	2	18.10	18.21	17.98	19.00
		3	3	18.08	18.21	18.09	19.00
		6	0	18.01	18.26	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	23.14	23.36	23.22	24.00
		1	7	22.93	23.15	23.01	24.00
		1	14	23.04	23.21	23.09	24.00
		8	0	22.01	22.17	22.06	23.00
		8	4	21.90	22.21	21.82	23.00
		8	7	21.90	22.12	21.89	23.00
		15	0	21.93	22.16	21.95	23.00
	16QAM	1	0	22.18	22.14	22.21	23.00
		1	7	22.05	22.22	22.07	23.00
		1	14	22.15	22.17	22.17	23.00
		8	0	20.99	21.09	21.02	22.00
		8	4	20.80	20.98	20.78	22.00
		8	7	20.82	21.03	20.91	22.00
		15	0	20.97	21.18	20.93	22.00
	64QAM	1	0	21.23	21.41	21.13	22.00
		1	7	20.92	21.22	20.97	22.00
		1	14	21.12	21.35	21.09	22.00
		8	0	20.12	20.21	20.01	21.00
		8	4	19.88	20.18	19.83	21.00
		8	7	19.96	20.10	19.84	21.00
		15	0	19.96	20.09	19.96	21.00
	256QAM	1	0	18.04	18.28	18.08	19.00
		1	7	17.97	18.20	17.92	19.00
		1	14	18.10	18.16	17.98	19.00
		8	0	17.84	18.11	17.86	19.00
		8	4	18.07	18.20	18.01	19.00
		8	7	18.13	18.24	18.08	19.00
		15	0	18.03	18.21	17.90	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	23.20	23.34	23.24	24.00



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		1	13	22.98	23.14	23.05	24.00
		1	24	23.02	23.19	23.14	24.00
		12	0	21.92	22.23	22.05	23.00
		12	6	21.92	22.22	21.83	23.00
		12	13	21.93	22.13	21.90	23.00
		25	0	21.95	22.21	22.02	23.00
	16QAM	1	0	22.11	22.19	22.22	23.00
		1	13	21.99	22.16	22.06	23.00
		1	24	22.25	22.25	22.13	23.00
		12	0	21.01	21.13	20.98	22.00
		12	6	20.84	20.95	20.80	22.00
		12	13	20.82	21.00	20.94	22.00
		25	0	20.98	21.23	21.00	22.00
	64QAM	1	0	21.24	21.39	21.17	22.00
		1	13	20.94	21.18	20.99	22.00
		1	24	21.11	21.33	21.03	22.00
		12	0	20.12	20.19	19.99	21.00
		12	6	19.83	20.09	19.84	21.00
		12	13	19.99	20.14	19.86	21.00
		25	0	19.99	20.13	19.97	21.00
	256QAM	1	0	18.04	18.27	18.17	19.00
		1	13	17.92	18.16	17.93	19.00
		1	24	18.09	18.18	17.96	19.00
		12	0	17.93	18.18	17.92	19.00
		12	6	18.02	18.11	17.97	19.00
		12	13	18.15	18.21	18.03	19.00
		25	0	18.07	18.23	17.92	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	23.18	23.34	23.17	24.00
		1	25	22.96	23.12	22.98	24.00
		1	49	23.10	23.18	23.14	24.00
		25	0	21.99	22.29	22.02	23.00
		25	13	21.94	22.12	21.89	23.00
		25	25	21.97	22.14	21.93	23.00
		50	0	21.96	22.14	21.99	23.00
	16QAM	1	0	22.19	22.14	22.20	23.00
		1	25	22.06	22.25	22.16	23.00
		1	49	22.22	22.21	22.10	23.00
		25	0	20.95	21.10	20.94	22.00
		25	13	20.86	21.01	20.75	22.00
		25	25	20.88	21.00	20.94	22.00
		50	0	21.02	21.25	20.96	22.00
	64QAM	1	0	21.17	21.39	21.11	22.00
		1	25	21.01	21.21	20.99	22.00
		1	49	21.02	21.37	21.11	22.00
		25	0	20.12	20.22	19.94	21.00
		25	13	19.90	20.15	19.91	21.00
		25	25	20.02	20.15	19.84	21.00
		50	0	20.03	20.10	19.96	21.00
	256QAM	1	0	18.06	18.23	18.06	19.00
		1	25	17.97	18.25	17.90	19.00
		1	49	18.07	18.19	18.04	19.00
		25	0	17.96	18.08	17.84	19.00
		25	13	18.03	18.11	18.01	19.00
		25	25	18.16	18.18	18.09	19.00
		50	0	18.02	18.22	17.93	19.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	23.21	23.36	23.20	24.00
		1	38	22.93	23.17	23.08	24.00
		1	74	23.01	23.24	23.11	24.00
		36	0	21.93	22.27	22.02	23.00
		36	18	21.95	22.15	21.88	23.00
		36	39	21.94	22.13	21.88	23.00
		75	0	21.96	22.19	21.99	23.00
	16QAM	1	0	22.18	22.23	22.17	23.00
		1	38	21.99	22.14	22.07	23.00
		1	74	22.23	22.17	22.19	23.00
		36	0	20.90	21.11	21.01	22.00
		36	18	20.78	20.98	20.77	22.00
		36	39	20.83	21.09	20.94	22.00
		75	0	20.95	21.20	20.90	22.00
	64QAM	1	0	21.26	21.40	21.08	22.00
		1	38	21.03	21.16	21.02	22.00
		1	74	21.09	21.39	21.03	22.00
		36	0	20.04	20.18	19.93	21.00
		36	18	19.90	20.13	19.88	21.00
		36	39	20.03	20.14	19.79	21.00
		75	0	20.04	20.07	19.95	21.00
	256QAM	1	0	18.03	18.21	18.06	19.00
		1	38	17.89	18.22	17.96	19.00
		1	74	18.09	18.21	18.00	19.00
		36	0	17.85	18.19	17.95	19.00
		36	18	18.06	18.21	17.91	19.00
		36	39	18.09	18.16	18.02	19.00
		75	0	17.98	18.21	17.91	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	23.35	23.58	23.40	24.00
		1	50	23.13	23.37	23.22	24.00
		1	99	23.24	23.42	23.28	24.00
		50	0	22.17	22.42	22.26	23.00
		50	25	22.11	22.36	22.06	23.00
		50	50	22.14	22.34	22.12	23.00
		100	0	22.15	22.38	22.18	23.00
	16QAM	1	0	22.33	22.36	22.39	23.00
		1	50	22.23	22.39	22.30	23.00
		1	99	22.39	22.41	22.35	23.00
		50	0	21.15	21.30	21.17	22.00
		50	25	21.01	21.18	20.93	22.00
		50	50	21.06	21.23	21.14	22.00
		100	0	21.19	21.39	21.15	22.00
	64QAM	1	0	21.40	21.60	21.32	22.00
		1	50	21.16	21.37	21.18	22.00
		1	99	21.25	21.55	21.26	22.00
		50	0	20.26	20.42	20.17	21.00
		50	25	20.07	20.32	20.07	21.00
		50	50	20.17	20.30	20.01	21.00
		100	0	20.18	20.30	20.14	21.00
	256QAM	1	0	18.24	18.44	18.30	19.00
		1	50	18.12	18.41	18.14	19.00
		1	99	18.23	18.37	18.17	19.00
		50	0	18.09	18.33	18.09	19.00



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		50	25	18.24	18.35	18.15	19.00
		50	50	18.31	18.41	18.25	19.00
		100	0	18.21	18.39	18.09	19.00

LTE Band 2 Ant1 Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	20.93	21.32	21.06	22.00
		1	2	20.72	20.97	20.86	22.00
		1	5	20.88	21.10	20.95	22.00
		3	0	21.01	21.22	21.09	22.00
		3	2	20.78	21.02	20.94	22.00
		3	3	20.87	21.10	20.89	22.00
		6	0	21.02	21.20	21.01	22.00
	16QAM	1	0	20.84	20.95	20.92	22.00
		1	2	21.13	21.13	21.01	22.00
		1	5	20.73	20.85	20.94	22.00
		3	0	20.83	21.09	20.79	22.00
		3	2	20.94	21.06	20.87	22.00
		3	3	20.92	21.01	20.87	22.00
		6	0	20.65	20.98	20.91	22.00
	64QAM	1	0	20.89	21.04	20.98	22.00
		1	2	20.66	21.08	20.87	22.00
		1	5	20.92	21.06	20.87	22.00
		3	0	20.91	21.06	20.99	22.00
		3	2	20.97	21.08	20.93	22.00
		3	3	20.83	20.97	20.70	22.00
		6	0	19.99	20.13	19.99	21.00
	256QAM	1	0	18.01	18.28	18.10	19.00
		1	2	17.90	18.21	17.91	19.00
		1	5	18.05	18.22	17.95	19.00
		3	0	17.84	18.12	17.84	19.00
		3	2	18.10	18.21	17.98	19.00
		3	3	18.08	18.21	18.09	19.00
		6	0	18.01	18.26	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	20.98	21.30	21.14	22.00
		1	7	20.70	20.96	20.89	22.00
		1	14	20.79	21.08	20.98	22.00
		8	0	20.95	21.20	21.03	22.00
		8	4	20.81	21.02	20.91	22.00
		8	7	20.86	21.07	20.91	22.00
		15	0	20.93	21.23	21.01	22.00
	16QAM	1	0	20.74	21.01	20.91	22.00
		1	7	21.04	21.14	21.02	22.00
		1	14	20.82	20.94	20.88	22.00
		8	0	20.95	21.05	20.88	22.00
		8	4	20.90	20.97	20.86	22.00
		8	7	20.83	20.92	20.78	22.00
		15	0	20.61	21.07	20.88	22.00
	64QAM	1	0	20.86	21.07	20.88	22.00
		1	7	20.69	21.07	20.88	22.00
		1	14	20.90	21.09	20.83	22.00



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		8	0	20.12	20.21	20.01	21.00
		8	4	19.88	20.18	19.83	21.00
		8	7	19.96	20.10	19.84	21.00
		15	0	19.96	20.09	19.96	21.00
	256QAM	1	0	18.04	18.28	18.08	19.00
		1	7	17.97	18.20	17.92	19.00
		1	14	18.10	18.16	17.98	19.00
		8	0	17.84	18.11	17.86	19.00
		8	4	18.07	18.20	18.01	19.00
		8	7	18.13	18.24	18.08	19.00
		15	0	18.03	18.21	17.90	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	20.92	21.21	21.15	22.00
		1	13	20.70	21.03	20.90	22.00
		1	24	20.91	21.09	20.93	22.00
		12	0	20.99	21.26	21.02	22.00
		12	6	20.71	20.91	20.93	22.00
		12	13	20.79	21.04	20.87	22.00
		25	0	20.94	21.17	21.03	22.00
	16QAM	1	0	20.77	21.02	20.89	22.00
		1	13	21.08	21.21	21.07	22.00
		1	24	20.74	20.86	20.91	22.00
		12	0	20.89	21.04	20.80	22.00
		12	6	20.86	20.93	20.81	22.00
		12	13	20.84	21.03	20.89	22.00
		25	0	20.69	20.99	20.92	22.00
	64QAM	1	0	20.94	21.02	20.93	22.00
		1	13	20.76	21.11	20.85	22.00
		1	24	20.90	21.05	20.88	22.00
		12	0	20.12	20.19	19.99	21.00
		12	6	19.83	20.09	19.84	21.00
		12	13	19.99	20.14	19.86	21.00
		25	0	19.99	20.13	19.97	21.00
	256QAM	1	0	18.04	18.27	18.17	19.00
		1	13	17.92	18.16	17.93	19.00
		1	24	18.09	18.18	17.96	19.00
		12	0	17.93	18.18	17.92	19.00
		12	6	18.02	18.11	17.97	19.00
		12	13	18.15	18.21	18.03	19.00
		25	0	18.07	18.23	17.92	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	20.91	21.25	21.14	22.00
		1	25	20.74	21.07	20.93	22.00
		1	49	20.88	21.08	20.85	22.00
		25	0	20.99	21.22	21.05	22.00
		25	13	20.80	20.95	20.89	22.00
		25	25	20.77	21.12	20.87	22.00
		50	0	20.98	21.20	20.96	22.00
	16QAM	1	0	20.74	21.02	20.93	22.00
		1	25	21.11	21.24	21.05	22.00
		1	49	20.75	20.91	20.90	22.00
		25	0	20.85	21.06	20.87	22.00
		25	13	20.86	20.93	20.84	22.00
		25	25	20.84	21.03	20.81	22.00



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	64QAM	50	0	20.63	20.99	20.96	22.00
		1	0	20.93	20.98	20.86	22.00
		1	25	20.67	21.08	20.80	22.00
		1	49	20.85	21.10	20.91	22.00
		25	0	20.12	20.22	19.94	21.00
		25	13	19.90	20.15	19.91	21.00
		25	25	20.02	20.15	19.84	21.00
	256QAM	50	0	20.03	20.10	19.96	21.00
		1	0	18.06	18.23	18.06	19.00
		1	25	17.97	18.25	17.90	19.00
		1	49	18.07	18.19	18.04	19.00
		25	0	17.96	18.08	17.84	19.00
		25	13	18.03	18.11	18.01	19.00
		25	25	18.16	18.18	18.09	19.00
		50	0	18.02	18.22	17.93	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	20.97	21.23	21.10	22.00
		1	38	20.77	20.98	20.88	22.00
		1	74	20.82	21.11	20.95	22.00
		36	0	20.91	21.21	21.09	22.00
		36	18	20.77	20.94	20.94	22.00
		36	39	20.81	21.13	20.94	22.00
		75	0	20.90	21.17	20.98	22.00
	16QAM	1	0	20.84	21.02	20.86	22.00
		1	38	21.03	21.22	21.02	22.00
		1	74	20.72	20.92	20.99	22.00
		36	0	20.84	21.08	20.83	22.00
		36	18	20.95	20.97	20.89	22.00
		36	39	20.86	20.94	20.87	22.00
		75	0	20.63	21.01	20.92	22.00
	64QAM	1	0	20.84	21.07	20.89	22.00
		1	38	20.73	21.13	20.81	22.00
		1	74	20.84	21.01	20.89	22.00
		36	0	20.04	20.18	19.93	21.00
		36	18	19.90	20.13	19.88	21.00
		36	39	20.03	20.14	19.79	21.00
		75	0	20.04	20.07	19.95	21.00
	256QAM	1	0	18.03	18.21	18.06	19.00
		1	38	17.89	18.22	17.96	19.00
		1	74	18.09	18.21	18.00	19.00
		36	0	17.85	18.19	17.95	19.00
		36	18	18.06	18.21	17.91	19.00
		36	39	18.09	18.16	18.02	19.00
		75	0	17.98	18.21	17.91	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	21.10	21.46	21.30	22.00
		1	50	20.90	21.20	21.06	22.00
		1	99	21.04	21.27	21.10	22.00
		50	0	21.14	21.42	21.22	22.00
		50	25	20.96	21.15	21.07	22.00
		50	50	20.99	21.28	21.11	22.00
		100	0	21.14	21.38	21.19	22.00
	16QAM	1	0	20.98	21.16	21.06	22.00
		1	50	21.26	21.37	21.24	22.00
		1	99	20.96	21.08	21.11	22.00



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		50	0	21.07	21.27	21.02	22.00
		50	25	21.08	21.18	21.06	22.00
		50	50	21.06	21.17	21.02	22.00
		100	0	20.84	21.19	21.12	22.00
	64QAM	1	0	21.09	21.20	21.10	22.00
		1	50	20.90	21.30	21.02	22.00
		1	99	21.07	21.24	21.04	22.00
		50	0	20.26	20.42	20.17	21.00
		50	25	20.07	20.32	20.07	21.00
		50	50	20.17	20.30	20.01	21.00
		100	0	20.18	20.30	20.14	21.00
	256QAM	1	0	18.24	18.44	18.30	19.00
		1	50	18.12	18.41	18.14	19.00
		1	99	18.23	18.37	18.17	19.00
		50	0	18.09	18.33	18.09	19.00
		50	25	18.24	18.35	18.15	19.00
		50	50	18.31	18.41	18.25	19.00
		100	0	18.21	18.39	18.09	19.00

LTE Band 2 Ant1 Hotspot For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	19.69	19.96	19.68	20.50
		1	2	19.47	19.72	19.56	20.50
		1	5	19.56	19.68	19.58	20.50
		3	0	19.71	19.86	19.80	20.50
		3	2	19.49	19.73	19.66	20.50
		3	3	19.51	19.74	19.58	20.50
		6	0	19.56	19.70	19.64	20.50
	16QAM	1	0	19.56	19.80	19.49	20.50
		1	2	19.52	19.72	19.64	20.50
		1	5	19.60	19.72	19.57	20.50
		3	0	19.51	19.66	19.61	20.50
		3	2	19.57	19.79	19.58	20.50
		3	3	19.48	19.82	19.55	20.50
		6	0	19.50	19.72	19.52	20.50
	64QAM	1	0	19.59	19.69	19.60	20.50
		1	2	19.48	19.67	19.61	20.50
		1	5	19.59	19.73	19.58	20.50
		3	0	19.47	19.76	19.60	20.50
		3	2	19.53	19.73	19.65	20.50
		3	3	19.45	19.76	19.66	20.50
		6	0	19.48	19.69	19.64	20.50
	256QAM	1	0	18.01	18.28	18.10	19.00
		1	2	17.90	18.21	17.91	19.00
		1	5	18.05	18.22	17.95	19.00
		3	0	17.84	18.12	17.84	19.00
		3	2	18.10	18.21	17.98	19.00
		3	3	18.08	18.21	18.09	19.00
		6	0	18.01	18.26	17.94	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	19.72	19.92	19.71	20.50
		1	7	19.44	19.67	19.60	20.50



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		1	14	19.59	19.64	19.67	20.50
		8	0	19.71	19.93	19.77	20.50
		8	4	19.57	19.68	19.66	20.50
		8	7	19.52	19.75	19.59	20.50
		15	0	19.52	19.72	19.57	20.50
	16QAM	1	0	19.53	19.75	19.47	20.50
		1	7	19.53	19.73	19.67	20.50
		1	14	19.55	19.72	19.57	20.50
		8	0	19.54	19.75	19.54	20.50
		8	4	19.57	19.76	19.60	20.50
		8	7	19.50	19.80	19.58	20.50
		15	0	19.47	19.71	19.56	20.50
	64QAM	1	0	19.59	19.72	19.62	20.50
		1	7	19.53	19.66	19.60	20.50
		1	14	19.55	19.79	19.59	20.50
		8	0	19.52	19.79	19.57	20.50
		8	4	19.56	19.70	19.66	20.50
		8	7	19.55	19.78	19.65	20.50
	256QAM	15	0	19.45	19.65	19.70	20.50
		1	0	18.04	18.28	18.08	19.00
		1	7	17.97	18.20	17.92	19.00
		1	14	18.10	18.16	17.98	19.00
		8	0	17.84	18.11	17.86	19.00
		8	4	18.07	18.20	18.01	19.00
		8	7	18.13	18.24	18.08	19.00
		15	0	18.03	18.21	17.90	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	19.70	19.96	19.65	20.50
		1	13	19.40	19.75	19.59	20.50
		1	24	19.54	19.64	19.63	20.50
		12	0	19.69	19.84	19.74	20.50
		12	6	19.57	19.73	19.57	20.50
		12	13	19.50	19.74	19.60	20.50
		25	0	19.54	19.65	19.64	20.50
	16QAM	1	0	19.56	19.81	19.49	20.50
		1	13	19.51	19.72	19.70	20.50
		1	24	19.56	19.72	19.62	20.50
		12	0	19.51	19.73	19.58	20.50
		12	6	19.49	19.70	19.64	20.50
		12	13	19.48	19.79	19.63	20.50
		25	0	19.52	19.67	19.50	20.50
	64QAM	1	0	19.50	19.74	19.62	20.50
		1	13	19.55	19.64	19.60	20.50
		1	24	19.58	19.76	19.57	20.50
		12	0	19.49	19.69	19.60	20.50
		12	6	19.49	19.73	19.60	20.50
		12	13	19.46	19.79	19.60	20.50
		25	0	19.48	19.70	19.71	20.50
	256QAM	1	0	18.04	18.27	18.17	19.00
		1	13	17.92	18.16	17.93	19.00
		1	24	18.09	18.18	17.96	19.00
		12	0	17.93	18.18	17.92	19.00
		12	6	18.02	18.11	17.97	19.00
		12	13	18.15	18.21	18.03	19.00
		25	0	18.07	18.23	17.92	19.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	19.75	19.91	19.71	20.50
		1	25	19.47	19.72	19.53	20.50
		1	49	19.53	19.73	19.65	20.50
		25	0	19.72	19.85	19.80	20.50
		25	13	19.56	19.69	19.57	20.50
		25	25	19.56	19.72	19.63	20.50
		50	0	19.55	19.62	19.62	20.50
	16QAM	1	0	19.50	19.74	19.52	20.50
		1	25	19.51	19.74	19.63	20.50
		1	49	19.57	19.65	19.56	20.50
		25	0	19.57	19.69	19.53	20.50
		25	13	19.51	19.80	19.65	20.50
		25	25	19.56	19.81	19.60	20.50
		50	0	19.47	19.69	19.59	20.50
	64QAM	1	0	19.52	19.72	19.58	20.50
		1	25	19.56	19.69	19.55	20.50
		1	49	19.59	19.80	19.61	20.50
		25	0	19.46	19.79	19.57	20.50
		25	13	19.54	19.75	19.59	20.50
		25	25	19.49	19.76	19.67	20.50
		50	0	19.50	19.66	19.64	20.50
	256QAM	1	0	18.06	18.23	18.06	19.00
		1	25	17.97	18.25	17.90	19.00
		1	49	18.07	18.19	18.04	19.00
		25	0	17.96	18.08	17.84	19.00
		25	13	18.03	18.11	18.01	19.00
		25	25	18.16	18.18	18.09	19.00
		50	0	18.02	18.22	17.93	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	19.74	19.90	19.70	20.50
		1	38	19.46	19.69	19.50	20.50
		1	74	19.54	19.66	19.68	20.50
		36	0	19.71	19.88	19.71	20.50
		36	18	19.48	19.73	19.65	20.50
		36	39	19.50	19.71	19.63	20.50
		75	0	19.48	19.69	19.58	20.50
	16QAM	1	0	19.54	19.83	19.49	20.50
		1	38	19.48	19.68	19.69	20.50
		1	74	19.50	19.65	19.52	20.50
		36	0	19.59	19.67	19.53	20.50
		36	18	19.55	19.75	19.57	20.50
		36	39	19.51	19.78	19.56	20.50
		75	0	19.50	19.70	19.52	20.50
	64QAM	1	0	19.60	19.74	19.59	20.50
		1	38	19.48	19.63	19.52	20.50
		1	74	19.57	19.75	19.55	20.50
		36	0	19.53	19.76	19.60	20.50
		36	18	19.57	19.70	19.64	20.50
		36	39	19.45	19.80	19.60	20.50
		75	0	19.49	19.67	19.64	20.50
	256QAM	1	0	18.03	18.21	18.06	19.00
		1	38	17.89	18.22	17.96	19.00
		1	74	18.09	18.21	18.00	19.00
		36	0	17.85	18.19	17.95	19.00



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		36	18	18.06	18.21	17.91	19.00
		36	39	18.09	18.16	18.02	19.00
		75	0	17.98	18.21	17.91	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
20MHz	QPSK	1	0	19.86	20.07	19.82	20.50
		1	50	19.55	19.82	19.71	20.50
		1	99	19.62	19.76	19.78	20.50
		50	0	19.75	20.02	19.79	20.50
		50	25	19.69	19.76	19.74	20.50
		50	50	19.67	19.86	19.71	20.50
		100	0	19.64	19.78	19.74	20.50
	16QAM	1	0	19.67	19.90	19.62	20.50
		1	50	19.58	19.76	19.74	20.50
		1	99	19.63	19.82	19.66	20.50
		50	0	19.66	19.78	19.66	20.50
		50	25	19.64	19.81	19.75	20.50
		50	50	19.67	19.83	19.65	20.50
		100	0	19.56	19.76	19.61	20.50
	64QAM	1	0	19.69	19.81	19.71	20.50
		1	50	19.65	19.76	19.71	20.50
		1	99	19.63	19.86	19.66	20.50
		50	0	19.58	19.88	19.72	20.50
		50	25	19.56	19.83	19.78	20.50
		50	50	19.57	19.89	19.68	20.50
		100	0	19.60	19.86	19.81	20.50
	256QAM	1	0	18.24	18.44	18.30	19.00
		1	50	18.12	18.41	18.14	19.00
		1	99	18.23	18.37	18.17	19.00
		50	0	18.09	18.33	18.09	19.00
		50	25	18.24	18.35	18.15	19.00
		50	50	18.31	18.41	18.25	19.00
		100	0	18.21	18.39	18.09	19.00

LTE Band 4 Ant1 Head Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	20.19	20.27	20.20	21.00
		1	2	20.05	19.99	20.06	21.00
		1	5	20.00	20.04	20.11	21.00
		3	0	20.16	20.26	20.19	21.00
		3	2	20.12	20.02	20.03	21.00
		3	3	20.07	20.18	20.10	21.00
		6	0	19.94	20.10	20.19	21.00
	16QAM	1	0	20.05	20.09	20.09	21.00
		1	2	20.03	20.12	19.97	21.00
		1	5	19.92	20.11	20.20	21.00
		3	0	20.12	20.18	19.97	21.00
		3	2	19.95	20.03	20.00	21.00
		3	3	20.04	20.11	20.07	21.00
		6	0	19.98	20.08	20.08	21.00
	64QAM	1	0	20.03	20.12	20.09	21.00
		1	2	20.07	20.16	20.17	21.00
		1	5	19.95	20.00	20.04	21.00
		3	0	19.88	20.13	20.12	21.00



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		3	2	20.08	20.13	20.10	21.00
		3	3	20.13	20.04	20.10	21.00
		6	0	20.05	20.10	20.12	21.00
	256QAM	1	0	18.05	18.15	18.13	19.00
		1	2	18.01	18.20	18.11	19.00
		1	5	18.08	18.17	18.06	19.00
		3	0	18.09	18.15	18.10	19.00
		3	2	18.09	18.15	18.10	19.00
		3	3	18.04	18.17	18.12	19.00
		6	0	17.99	18.17	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	20.14	20.33	20.13	21.00
		1	7	20.06	20.07	20.16	21.00
		1	14	20.03	20.10	20.14	21.00
		8	0	20.12	20.25	20.21	21.00
		8	4	20.09	19.99	20.04	21.00
		8	7	20.02	20.17	20.11	21.00
		15	0	19.97	20.07	20.14	21.00
	16QAM	1	0	19.99	20.16	20.08	21.00
		1	7	20.01	20.13	20.06	21.00
		1	14	19.99	20.19	20.13	21.00
		8	0	20.02	20.18	19.99	21.00
		8	4	19.97	20.08	20.04	21.00
		8	7	20.03	20.13	20.05	21.00
		15	0	19.97	20.07	20.09	21.00
	64QAM	1	0	19.97	20.05	20.13	21.00
		1	7	20.06	20.14	20.12	21.00
		1	14	20.02	20.01	20.03	21.00
		8	0	19.89	20.05	20.05	21.00
		8	4	19.98	20.14	20.01	21.00
		8	7	20.13	20.08	20.04	21.00
		15	0	19.99	20.09	20.17	21.00
	256QAM	1	0	18.02	18.19	18.11	19.00
		1	7	17.99	18.22	18.11	19.00
		1	14	18.09	18.14	18.12	19.00
		8	0	18.09	18.16	18.12	19.00
		8	4	18.10	18.20	18.09	19.00
		8	7	18.07	18.15	18.09	19.00
		15	0	18.00	18.14	18.16	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	20.22	20.27	20.12	21.00
		1	13	20.10	20.03	20.08	21.00
		1	24	19.95	20.08	20.11	21.00
		12	0	20.18	20.26	20.23	21.00
		12	6	20.01	20.05	20.00	21.00
		12	13	20.02	20.10	20.22	21.00
		25	0	19.98	20.02	20.12	21.00
	16QAM	1	0	20.04	20.06	20.13	21.00
		1	13	20.11	20.12	19.97	21.00
		1	24	19.97	20.21	20.17	21.00
		12	0	20.14	20.11	19.97	21.00
		12	6	19.96	20.09	20.01	21.00
		12	13	20.08	20.12	20.07	21.00
		25	0	19.90	20.11	20.08	21.00



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	64QAM	1	0	19.96	20.15	20.08	21.00
		1	13	20.06	20.07	20.16	21.00
		1	24	19.98	20.08	20.03	21.00
		12	0	20.00	20.21	20.11	21.00
		12	6	20.06	20.09	20.11	21.00
		12	13	20.06	20.19	20.13	21.00
		25	0	20.03	20.16	20.17	21.00
	256QAM	1	0	18.03	18.15	18.11	19.00
		1	13	18.02	18.19	18.16	19.00
		1	24	18.10	18.11	18.12	19.00
		12	0	18.10	18.15	18.14	19.00
		12	6	18.09	18.13	18.07	19.00
		12	13	18.06	18.16	18.08	19.00
		25	0	18.01	18.19	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	20.15	20.34	20.11	21.00
		1	25	20.11	20.02	20.09	21.00
		1	49	20.03	20.09	20.14	21.00
		25	0	20.21	20.31	20.29	21.00
		25	13	20.11	20.01	20.06	21.00
		25	25	20.12	20.20	20.14	21.00
		50	0	19.97	20.03	20.10	21.00
	16QAM	1	0	19.97	20.13	20.09	21.00
		1	25	20.09	20.04	19.97	21.00
		1	49	19.99	20.16	20.08	21.00
		25	0	20.11	20.09	19.93	21.00
		25	13	19.92	20.13	20.02	21.00
		25	25	20.06	20.16	20.03	21.00
		50	0	19.89	20.02	20.05	21.00
	64QAM	1	0	20.04	20.11	20.06	21.00
		1	25	20.03	20.08	20.17	21.00
		1	49	20.04	20.09	20.13	21.00
		25	0	19.96	20.11	20.11	21.00
		25	13	20.09	20.04	20.09	21.00
		25	25	20.10	20.07	20.08	21.00
		50	0	20.06	20.13	20.09	21.00
	256QAM	1	0	18.05	18.18	18.12	19.00
		1	25	18.04	18.17	18.10	19.00
		1	49	18.05	18.15	18.07	19.00
		25	0	18.11	18.18	18.13	19.00
		25	13	18.04	18.14	18.09	19.00
		25	25	18.05	18.16	18.11	19.00
		50	0	18.01	18.16	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	20.23	20.26	20.20	21.00
		1	38	20.00	19.98	20.06	21.00
		1	74	20.08	20.03	20.14	21.00
		36	0	20.15	20.27	20.26	21.00
		36	18	20.04	20.06	20.00	21.00
		36	39	20.08	20.08	20.19	21.00
		75	0	19.93	20.09	20.14	21.00
	16QAM	1	0	19.96	20.15	20.10	21.00
		1	38	20.01	20.08	19.96	21.00
		1	74	20.00	20.14	20.07	21.00
		36	0	20.14	20.09	20.01	21.00



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		3	2	16.57	16.65	16.59	17.50
		3	3	16.57	16.52	16.49	17.50
		6	0	16.51	16.61	16.52	17.50
	16QAM	1	0	16.63	16.56	16.47	17.50
		1	2	16.63	16.52	16.58	17.50
		1	5	16.57	16.60	16.36	17.50
		3	0	16.52	16.58	16.51	17.50
		3	2	16.48	16.51	16.50	17.50
		3	3	16.53	16.59	16.54	17.50
		6	0	16.56	16.63	16.56	17.50
	64QAM	1	0	16.57	16.57	16.63	17.50
		1	2	16.53	16.58	16.48	17.50
		1	5	16.56	16.56	16.56	17.50
		3	0	16.59	16.62	16.47	17.50
		3	2	16.53	16.56	16.55	17.50
		3	3	16.59	16.63	16.49	17.50
		6	0	16.57	16.57	16.54	17.50
	256QAM	1	0	16.54	16.57	16.45	17.50
		1	2	16.53	16.60	16.55	17.50
		1	5	16.51	16.55	16.46	17.50
		3	0	16.60	16.63	16.56	17.50
		3	2	16.58	16.62	16.46	17.50
		3	3	16.52	16.53	16.47	17.50
		6	0	16.55	16.61	16.52	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	16.60	16.81	16.68	17.50
		1	7	16.55	16.57	16.53	17.50
		1	14	16.53	16.63	16.50	17.50
		8	0	16.65	16.76	16.58	17.50
		8	4	16.50	16.64	16.55	17.50
		8	7	16.52	16.48	16.47	17.50
		15	0	16.47	16.60	16.55	17.50
	16QAM	1	0	16.59	16.59	16.48	17.50
		1	7	16.63	16.52	16.53	17.50
		1	14	16.54	16.53	16.44	17.50
		8	0	16.58	16.56	16.55	17.50
		8	4	16.52	16.53	16.56	17.50
		8	7	16.53	16.62	16.45	17.50
		15	0	16.58	16.56	16.51	17.50
	64QAM	1	0	16.61	16.58	16.53	17.50
		1	7	16.52	16.58	16.48	17.50
		1	14	16.55	16.54	16.59	17.50
		8	0	16.52	16.57	16.40	17.50
		8	4	16.54	16.57	16.57	17.50
		8	7	16.62	16.63	16.52	17.50
		15	0	16.52	16.58	16.57	17.50
	256QAM	1	0	16.63	16.63	16.49	17.50
		1	7	16.54	16.68	16.53	17.50
		1	14	16.47	16.57	16.51	17.50
		8	0	16.56	16.56	16.61	17.50
		8	4	16.60	16.66	16.47	17.50
		8	7	16.51	16.60	16.53	17.50
		15	0	16.61	16.65	16.48	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	



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5MHz	QPSK	1	0	16.65	16.75	16.66	17.50
		1	13	16.57	16.56	16.55	17.50
		1	24	16.48	16.63	16.47	17.50
		12	0	16.60	16.71	16.52	17.50
		12	6	16.59	16.64	16.57	17.50
		12	13	16.51	16.56	16.50	17.50
		25	0	16.49	16.60	16.52	17.50
	16QAM	1	0	16.55	16.59	16.45	17.50
		1	13	16.64	16.53	16.61	17.50
		1	24	16.52	16.60	16.42	17.50
		12	0	16.55	16.55	16.58	17.50
		12	6	16.53	16.56	16.50	17.50
		12	13	16.52	16.63	16.45	17.50
		25	0	16.50	16.57	16.50	17.50
	64QAM	1	0	16.56	16.60	16.54	17.50
		1	13	16.55	16.65	16.51	17.50
		1	24	16.50	16.51	16.55	17.50
		12	0	16.54	16.55	16.46	17.50
		12	6	16.63	16.58	16.57	17.50
		12	13	16.57	16.58	16.49	17.50
		25	0	16.54	16.53	16.58	17.50
	256QAM	1	0	16.58	16.60	16.50	17.50
		1	13	16.50	16.61	16.59	17.50
		1	24	16.52	16.64	16.49	17.50
		12	0	16.54	16.62	16.52	17.50
		12	6	16.57	16.67	16.47	17.50
		12	13	16.57	16.61	16.52	17.50
		25	0	16.60	16.58	16.46	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	16.67	16.74	16.60	17.50
		1	25	16.56	16.59	16.51	17.50
		1	49	16.53	16.61	16.48	17.50
		25	0	16.60	16.75	16.61	17.50
		25	13	16.56	16.60	16.57	17.50
		25	25	16.52	16.55	16.43	17.50
		50	0	16.48	16.65	16.55	17.50
	16QAM	1	0	16.61	16.57	16.47	17.50
		1	25	16.55	16.51	16.57	17.50
		1	49	16.52	16.58	16.44	17.50
		25	0	16.56	16.53	16.54	17.50
		25	13	16.50	16.58	16.55	17.50
		25	25	16.57	16.62	16.48	17.50
		50	0	16.58	16.58	16.48	17.50
	64QAM	1	0	16.61	16.61	16.55	17.50
		1	25	16.47	16.63	16.54	17.50
		1	49	16.59	16.53	16.54	17.50
		25	0	16.54	16.58	16.47	17.50
		25	13	16.58	16.54	16.58	17.50
		25	25	16.58	16.56	16.47	17.50
		50	0	16.59	16.59	16.52	17.50
	256QAM	1	0	16.61	16.61	16.47	17.50
		1	25	16.51	16.66	16.57	17.50
		1	49	16.50	16.57	16.46	17.50
		25	0	16.55	16.56	16.51	17.50
		25	13	16.59	16.64	16.48	17.50
		25	25	16.58	16.55	16.50	17.50



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		50	0	16.63	16.65	16.55	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	16.60	16.75	16.59	17.50
		1	38	16.57	16.64	16.53	17.50
		1	74	16.55	16.62	16.49	17.50
		36	0	16.68	16.71	16.52	17.50
		36	18	16.51	16.63	16.57	17.50
		36	39	16.53	16.50	16.43	17.50
		75	0	16.49	16.60	16.59	17.50
	16QAM	1	0	16.62	16.59	16.43	17.50
		1	38	16.61	16.56	16.60	17.50
		1	74	16.57	16.59	16.39	17.50
		36	0	16.53	16.52	16.54	17.50
		36	18	16.54	16.48	16.48	17.50
		36	39	16.51	16.64	16.51	17.50
		75	0	16.52	16.62	16.47	17.50
	64QAM	1	0	16.58	16.67	16.60	17.50
		1	38	16.50	16.64	16.52	17.50
		1	74	16.57	16.60	16.56	17.50
		36	0	16.60	16.58	16.42	17.50
		36	18	16.55	16.61	16.57	17.50
		36	39	16.60	16.59	16.43	17.50
		75	0	16.59	16.62	16.51	17.50
	256QAM	1	0	16.57	16.61	16.46	17.50
		1	38	16.54	16.65	16.58	17.50
		1	74	16.46	16.63	16.46	17.50
		36	0	16.58	16.64	16.51	17.50
		36	18	16.56	16.64	16.45	17.50
		36	39	16.59	16.61	16.50	17.50
		75	0	16.62	16.59	16.50	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	16.78	16.92	16.78	17.50
		1	50	16.60	16.72	16.62	17.50
		1	99	16.68	16.71	16.66	17.50
		50	0	16.74	16.80	16.63	17.50
		50	25	16.65	16.70	16.71	17.50
		50	50	16.61	16.67	16.58	17.50
		100	0	16.64	16.71	16.61	17.50
	16QAM	1	0	16.69	16.65	16.61	17.50
		1	50	16.73	16.70	16.67	17.50
		1	99	16.64	16.68	16.48	17.50
		50	0	16.65	16.64	16.62	17.50
		50	25	16.66	16.65	16.59	17.50
		50	50	16.64	16.76	16.58	17.50
		100	0	16.59	16.68	16.61	17.50
	64QAM	1	0	16.71	16.75	16.73	17.50
		1	50	16.62	16.73	16.57	17.50
		1	99	16.62	16.65	16.73	17.50
		50	0	16.63	16.70	16.55	17.50
		50	25	16.67	16.65	16.70	17.50
		50	50	16.64	16.63	16.61	17.50
		100	0	16.68	16.64	16.65	17.50
	256QAM	1	0	16.71	16.69	16.54	17.50
		1	50	16.63	16.70	16.64	17.50
		1	99	16.57	16.65	16.52	17.50



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		50	0	16.69	16.64	16.71	17.50
		50	25	16.66	16.74	16.53	17.50
		50	50	16.68	16.68	16.59	17.50
		100	0	16.74	16.70	16.61	17.50

LTE Band 4 Ant1 Head For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	14.79	14.90	14.76	15.50
		1	2	14.68	14.80	14.67	15.50
		1	5	14.71	14.82	14.63	15.50
		3	0	14.75	14.85	14.71	15.50
		3	2	14.70	14.81	14.73	15.50
		3	3	14.68	14.65	14.58	15.50
		6	0	14.60	14.78	14.69	15.50
	16QAM	1	0	14.74	14.75	14.59	15.50
		1	2	14.79	14.71	14.75	15.50
		1	5	14.69	14.75	14.56	15.50
		3	0	14.74	14.69	14.67	15.50
		3	2	14.71	14.69	14.65	15.50
		3	3	14.73	14.77	14.64	15.50
		6	0	14.68	14.75	14.68	15.50
	64QAM	1	0	14.69	14.72	14.73	15.50
		1	2	14.68	14.72	14.62	15.50
		1	5	14.75	14.68	14.69	15.50
		3	0	14.73	14.74	14.62	15.50
		3	2	14.70	14.70	14.72	15.50
		3	3	14.76	14.69	14.64	15.50
		6	0	14.70	14.76	14.69	15.50
	256QAM	1	0	14.70	14.76	14.62	15.50
		1	2	14.69	14.84	14.69	15.50
		1	5	14.65	14.71	14.63	15.50
		3	0	14.72	14.73	14.73	15.50
		3	2	14.69	14.81	14.65	15.50
		3	3	14.68	14.69	14.62	15.50
		6	0	14.76	14.72	14.68	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	14.80	14.92	14.81	15.50
		1	7	14.69	14.76	14.65	15.50
		1	14	14.66	14.81	14.64	15.50
		8	0	14.74	14.83	14.70	15.50
		8	4	14.73	14.74	14.77	15.50
		8	7	14.63	14.68	14.59	15.50
		15	0	14.70	14.72	14.75	15.50
	16QAM	1	0	14.71	14.80	14.59	15.50
		1	7	14.79	14.70	14.75	15.50
		1	14	14.74	14.70	14.56	15.50
		8	0	14.71	14.74	14.69	15.50
		8	4	14.71	14.66	14.61	15.50
		8	7	14.69	14.75	14.60	15.50
		15	0	14.72	14.72	14.63	15.50
	64QAM	1	0	14.70	14.81	14.69	15.50
		1	7	14.64	14.72	14.66	15.50



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		1	14	14.66	14.66	14.69	15.50
		8	0	14.70	14.74	14.55	15.50
		8	4	14.69	14.78	14.68	15.50
		8	7	14.71	14.77	14.60	15.50
		15	0	14.72	14.67	14.73	15.50
	256QAM	1	0	14.75	14.70	14.63	15.50
		1	7	14.72	14.84	14.69	15.50
		1	14	14.64	14.77	14.64	15.50
		8	0	14.76	14.75	14.69	15.50
		8	4	14.75	14.75	14.56	15.50
		8	7	14.70	14.73	14.67	15.50
		15	0	14.73	14.79	14.65	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	14.82	14.94	14.77	15.50
		1	13	14.65	14.80	14.62	15.50
		1	24	14.69	14.73	14.69	15.50
		12	0	14.78	14.89	14.71	15.50
		12	6	14.70	14.78	14.76	15.50
		12	13	14.63	14.66	14.59	15.50
		25	0	14.65	14.71	14.73	15.50
	16QAM	1	0	14.72	14.80	14.59	15.50
		1	13	14.70	14.74	14.74	15.50
		1	24	14.70	14.69	14.59	15.50
		12	0	14.67	14.76	14.68	15.50
		12	6	14.65	14.71	14.62	15.50
		12	13	14.70	14.84	14.59	15.50
		25	0	14.74	14.74	14.62	15.50
	64QAM	1	0	14.69	14.78	14.72	15.50
		1	13	14.61	14.80	14.67	15.50
		1	24	14.75	14.71	14.72	15.50
		12	0	14.71	14.76	14.59	15.50
		12	6	14.78	14.71	14.67	15.50
		12	13	14.69	14.73	14.63	15.50
		25	0	14.69	14.72	14.70	15.50
	256QAM	1	0	14.77	14.77	14.59	15.50
		1	13	14.69	14.75	14.70	15.50
		1	24	14.68	14.69	14.58	15.50
		12	0	14.70	14.76	14.75	15.50
		12	6	14.79	14.77	14.62	15.50
		12	13	14.75	14.71	14.64	15.50
		25	0	14.74	14.82	14.67	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	14.84	14.89	14.76	15.50
		1	25	14.73	14.73	14.65	15.50
		1	49	14.70	14.77	14.62	15.50
		25	0	14.80	14.86	14.74	15.50
		25	13	14.68	14.76	14.69	15.50
		25	25	14.72	14.73	14.58	15.50
		50	0	14.63	14.71	14.72	15.50
	16QAM	1	0	14.73	14.78	14.61	15.50
		1	25	14.75	14.74	14.69	15.50
		1	49	14.68	14.69	14.53	15.50
		25	0	14.69	14.76	14.65	15.50
		25	13	14.63	14.65	14.66	15.50



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		25	25	14.65	14.80	14.60	15.50
		50	0	14.71	14.78	14.66	15.50
	64QAM	1	0	14.72	14.80	14.69	15.50
		1	25	14.68	14.77	14.69	15.50
		1	49	14.74	14.67	14.72	15.50
		25	0	14.73	14.72	14.63	15.50
		25	13	14.74	14.71	14.75	15.50
		25	25	14.75	14.76	14.65	15.50
		50	0	14.70	14.68	14.71	15.50
	256QAM	1	0	14.71	14.73	14.58	15.50
		1	25	14.71	14.76	14.73	15.50
		1	49	14.68	14.75	14.60	15.50
		25	0	14.73	14.79	14.74	15.50
		25	13	14.76	14.81	14.61	15.50
		25	25	14.74	14.74	14.67	15.50
		50	0	14.79	14.78	14.68	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	14.81	14.90	14.79	15.50
		1	38	14.73	14.74	14.69	15.50
		1	74	14.67	14.78	14.65	15.50
		36	0	14.79	14.89	14.69	15.50
		36	18	14.72	14.79	14.76	15.50
		36	39	14.68	14.72	14.65	15.50
		75	0	14.70	14.78	14.72	15.50
	16QAM	1	0	14.75	14.77	14.60	15.50
		1	38	14.74	14.71	14.74	15.50
		1	74	14.75	14.76	14.55	15.50
		36	0	14.72	14.70	14.68	15.50
		36	18	14.69	14.70	14.61	15.50
		36	39	14.67	14.76	14.62	15.50
		75	0	14.67	14.80	14.71	15.50
	64QAM	1	0	14.73	14.76	14.69	15.50
		1	38	14.64	14.74	14.69	15.50
		1	74	14.73	14.72	14.74	15.50
		36	0	14.69	14.76	14.56	15.50
		36	18	14.70	14.74	14.67	15.50
		36	39	14.74	14.74	14.66	15.50
		75	0	14.67	14.71	14.73	15.50
	256QAM	1	0	14.75	14.76	14.56	15.50
		1	38	14.74	14.80	14.65	15.50
		1	74	14.62	14.73	14.59	15.50
		36	0	14.72	14.74	14.76	15.50
		36	18	14.75	14.80	14.58	15.50
		36	39	14.67	14.71	14.62	15.50
		75	0	14.77	14.74	14.66	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	14.89	15.01	14.85	15.50
		1	50	14.77	14.81	14.75	15.50
		1	99	14.78	14.89	14.77	15.50
		50	0	14.89	14.97	14.80	15.50
		50	25	14.79	14.89	14.81	15.50
		50	50	14.78	14.78	14.70	15.50
		100	0	14.75	14.84	14.86	15.50
	16QAM	1	0	14.81	14.87	14.74	15.50
		1	50	14.85	14.85	14.81	15.50



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		1	99	14.79	14.83	14.69	15.50
		50	0	14.86	14.83	14.81	15.50
		50	25	14.74	14.77	14.72	15.50
		50	50	14.78	14.85	14.76	15.50
		100	0	14.84	14.89	14.79	15.50
	64QAM	1	0	14.77	14.89	14.88	15.50
		1	50	14.79	14.85	14.72	15.50
		1	99	14.80	14.85	14.82	15.50
		50	0	14.79	14.83	14.69	15.50
		50	25	14.78	14.80	14.76	15.50
		50	50	14.87	14.83	14.76	15.50
		100	0	14.80	14.84	14.82	15.50
	256QAM	1	0	14.86	14.86	14.73	15.50
		1	50	14.80	14.93	14.78	15.50
		1	99	14.80	14.83	14.69	15.50
		50	0	14.87	14.84	14.85	15.50
		50	25	14.86	14.89	14.74	15.50
		50	50	14.77	14.79	14.75	15.50
		100	0	14.89	14.91	14.71	15.50

LTE Band 4 Ant1 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	23.08	23.16	23.11	24.00
		1	2	22.93	23.06	22.97	24.00
		1	5	22.92	23.02	23.08	24.00
		3	0	23.10	23.14	23.16	24.00
		3	2	22.96	23.00	22.97	24.00
		3	3	22.90	23.03	23.01	24.00
		6	0	22.00	22.12	22.15	23.00
	16QAM	1	0	22.07	22.17	22.09	23.00
		1	2	22.12	22.15	22.17	23.00
		1	5	22.06	22.11	22.13	23.00
		3	0	22.02	22.14	22.13	23.00
		3	2	22.06	22.18	22.17	23.00
		3	3	22.06	22.14	22.19	23.00
		6	0	21.05	21.18	21.13	22.00
	64QAM	1	0	21.11	21.12	21.11	22.00
		1	2	21.01	21.16	21.18	22.00
		1	5	21.08	21.14	21.08	22.00
		3	0	21.10	21.17	21.11	22.00
		3	2	21.04	21.18	21.16	22.00
		3	3	21.13	21.19	21.08	22.00
		6	0	20.08	20.18	20.13	21.00
	256QAM	1	0	18.05	18.15	18.13	19.00
		1	2	18.01	18.20	18.11	19.00
		1	5	18.08	18.17	18.06	19.00
		3	0	18.09	18.15	18.10	19.00
		3	2	18.09	18.15	18.10	19.00
		3	3	18.04	18.17	18.12	19.00
		6	0	17.99	18.17	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.08	23.13	23.10	24.00



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		1	7	22.99	23.00	22.99	24.00
		1	14	22.89	23.03	23.04	24.00
		8	0	21.99	22.12	22.12	23.00
		8	4	22.03	22.11	22.11	23.00
		8	7	22.12	22.12	22.10	23.00
		15	0	22.02	22.09	22.14	23.00
	16QAM	1	0	22.05	22.18	22.11	23.00
		1	7	22.09	22.17	22.17	23.00
		1	14	22.09	22.13	22.09	23.00
		8	0	21.04	21.20	21.13	22.00
		8	4	21.01	21.19	21.15	22.00
		8	7	21.00	21.13	21.13	22.00
		15	0	21.12	21.14	21.11	22.00
	64QAM	1	0	21.07	21.12	21.13	22.00
		1	7	21.07	21.16	21.11	22.00
		1	14	21.11	21.17	21.09	22.00
		8	0	20.04	20.20	20.09	21.00
		8	4	20.09	20.12	20.11	21.00
		8	7	20.06	20.16	20.13	21.00
		15	0	20.08	20.20	20.14	21.00
	256QAM	1	0	18.02	18.19	18.11	19.00
		1	7	17.99	18.22	18.11	19.00
		1	14	18.09	18.14	18.12	19.00
		8	0	18.09	18.16	18.12	19.00
		8	4	18.10	18.20	18.09	19.00
		8	7	18.07	18.15	18.09	19.00
		15	0	18.00	18.14	18.16	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	23.06	23.20	23.09	24.00
		1	13	22.97	23.04	22.97	24.00
		1	24	22.93	23.07	23.03	24.00
		12	0	22.01	22.16	22.05	23.00
		12	6	22.07	22.11	22.10	23.00
		12	13	22.05	22.14	22.12	23.00
		25	0	22.01	22.11	22.16	23.00
	16QAM	1	0	22.08	22.19	22.14	23.00
		1	13	22.10	22.12	22.18	23.00
		1	24	22.09	22.15	22.10	23.00
		12	0	21.04	21.18	21.14	22.00
		12	6	21.06	21.14	21.08	22.00
		12	13	21.07	21.13	21.11	22.00
		25	0	21.10	21.14	21.15	22.00
	64QAM	1	0	21.09	21.14	21.10	22.00
		1	13	21.02	21.17	21.18	22.00
		1	24	21.09	21.16	21.07	22.00
		12	0	20.00	20.21	20.11	21.00
		12	6	20.06	20.09	20.11	21.00
		12	13	20.06	20.19	20.13	21.00
		25	0	20.03	20.16	20.17	21.00
	256QAM	1	0	18.03	18.15	18.11	19.00
		1	13	18.02	18.19	18.16	19.00
		1	24	18.10	18.11	18.12	19.00
		12	0	18.10	18.15	18.14	19.00
		12	6	18.09	18.13	18.07	19.00
		12	13	18.06	18.16	18.08	19.00



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		25	0	18.01	18.19	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	23.10	23.13	23.14	24.00
		1	25	22.97	23.06	22.99	24.00
		1	49	22.88	23.07	23.00	24.00
		25	0	22.05	22.13	22.07	23.00
		25	13	22.08	22.08	22.13	23.00
		25	25	22.07	22.12	22.11	23.00
		50	0	22.00	22.15	22.12	23.00
	16QAM	1	0	22.05	22.15	22.16	23.00
		1	25	22.13	22.12	22.16	23.00
		1	49	22.07	22.14	22.13	23.00
		25	0	21.09	21.19	21.19	22.00
		25	13	21.03	21.17	21.10	22.00
		25	25	21.03	21.17	21.06	22.00
		50	0	21.05	21.14	21.15	22.00
	64QAM	1	0	21.07	21.18	21.10	22.00
		1	25	20.99	21.18	21.15	22.00
		1	49	21.13	21.14	21.10	22.00
		25	0	19.96	20.11	20.11	21.00
		25	13	20.09	20.04	20.09	21.00
		25	25	20.10	20.07	20.08	21.00
		50	0	20.06	20.13	20.09	21.00
	256QAM	1	0	18.05	18.18	18.12	19.00
		1	25	18.04	18.17	18.10	19.00
		1	49	18.05	18.15	18.07	19.00
		25	0	18.11	18.18	18.13	19.00
		25	13	18.04	18.14	18.09	19.00
		25	25	18.05	18.16	18.11	19.00
		50	0	18.01	18.16	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	23.08	23.20	23.12	24.00
		1	38	23.01	22.99	22.95	24.00
		1	74	22.95	23.06	23.05	24.00
		36	0	22.02	22.17	22.08	23.00
		36	18	22.02	22.07	22.14	23.00
		36	39	22.06	22.17	22.12	23.00
		75	0	22.05	22.13	22.10	23.00
	16QAM	1	0	22.04	22.15	22.09	23.00
		1	38	22.10	22.15	22.18	23.00
		1	74	22.11	22.11	22.14	23.00
		36	0	21.08	21.21	21.13	22.00
		36	18	21.06	21.20	21.08	22.00
		36	39	21.04	21.17	21.10	22.00
		75	0	21.11	21.17	21.14	22.00
	64QAM	1	0	21.12	21.13	21.11	22.00
		1	38	21.04	21.17	21.18	22.00
		1	74	21.09	21.14	21.05	22.00
		36	0	19.99	20.10	20.06	21.00
		36	18	20.03	20.08	20.01	21.00
		36	39	20.05	19.99	20.01	21.00
		75	0	20.04	20.12	20.11	21.00
	256QAM	1	0	18.03	18.21	18.07	19.00
		1	38	18.02	18.21	18.12	19.00
		1	74	18.04	18.19	18.11	19.00



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		36	0	18.12	18.18	18.14	19.00
		36	18	18.09	18.17	18.10	19.00
		36	39	18.00	18.16	18.16	19.00
		75	0	18.03	18.15	18.12	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	23.38	23.47	23.44	24.00
		1	50	23.28	23.33	23.29	24.00
		1	99	23.23	23.34	23.35	24.00
		50	0	22.33	22.47	22.40	23.00
		50	25	22.36	22.41	22.43	23.00
		50	50	22.40	22.45	22.41	23.00
		100	0	22.34	22.43	22.43	23.00
	16QAM	1	0	22.37	22.46	22.44	23.00
		1	50	22.41	22.46	22.46	23.00
		1	99	22.40	22.43	22.44	23.00
		50	0	21.37	21.49	21.47	22.00
		50	25	21.36	21.48	21.43	22.00
		50	50	21.34	21.47	21.40	22.00
		100	0	21.39	21.47	21.45	22.00
	64QAM	1	0	21.40	21.45	21.43	22.00
		1	50	21.34	21.49	21.46	22.00
		1	99	21.41	21.47	21.40	22.00
		50	0	20.09	20.26	20.22	21.00
		50	25	20.19	20.23	20.21	21.00
		50	50	20.24	20.19	20.19	21.00
		100	0	20.17	20.22	20.27	21.00
	256QAM	1	0	18.35	18.48	18.40	19.00
		1	50	18.33	18.49	18.43	19.00
		1	99	18.39	18.46	18.39	19.00
		50	0	18.39	18.48	18.45	19.00
		50	25	18.38	18.47	18.40	19.00
		50	50	18.34	18.46	18.43	19.00
		100	0	18.34	18.48	18.43	19.00

LTE Band 4 Ant1 Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.06	21.33	21.20	22.00
		1	2	21.05	21.10	21.02	22.00
		1	5	20.96	21.09	21.04	22.00
		3	0	21.08	21.29	21.21	22.00
		3	2	21.04	21.15	20.99	22.00
		3	3	21.07	21.16	21.15	22.00
		6	0	21.01	21.06	21.04	22.00
	16QAM	1	0	21.10	21.17	21.17	22.00
		1	2	21.01	21.11	21.02	22.00
		1	5	21.03	21.04	21.00	22.00
		3	0	21.03	21.12	21.09	22.00
		3	2	20.98	21.04	21.06	22.00
		3	3	21.03	21.10	21.07	22.00
		6	0	21.06	21.10	21.10	22.00
	64QAM	1	0	21.03	21.13	21.09	22.00
		1	2	21.11	21.15	20.99	22.00
		1	5	20.99	21.06	21.11	22.00



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		3	0	21.10	21.17	21.11	22.00
		3	2	21.04	21.18	21.16	22.00
		3	3	21.13	21.19	21.08	22.00
		6	0	20.08	20.18	20.13	21.00
	256QAM	1	0	18.05	18.15	18.13	19.00
		1	2	18.01	18.20	18.11	19.00
		1	5	18.08	18.17	18.06	19.00
		3	0	18.09	18.15	18.10	19.00
		3	2	18.09	18.15	18.10	19.00
		3	3	18.04	18.17	18.12	19.00
		6	0	17.99	18.17	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.13	21.28	21.19	22.00
		1	7	20.99	21.05	21.01	22.00
		1	14	20.99	20.99	21.08	22.00
		8	0	21.08	21.24	21.22	22.00
		8	4	21.07	21.21	21.01	22.00
		8	7	21.07	21.05	21.16	22.00
		15	0	21.00	21.08	21.10	22.00
	16QAM	1	0	21.10	21.10	21.15	22.00
		1	7	20.95	21.18	21.06	22.00
		1	14	21.06	21.10	21.06	22.00
		8	0	21.04	21.12	21.15	22.00
		8	4	20.93	21.14	21.08	22.00
		8	7	20.99	21.08	21.16	22.00
		15	0	21.00	21.17	21.11	22.00
	64QAM	1	0	20.95	21.14	21.06	22.00
		1	7	21.04	21.04	20.97	22.00
		1	14	20.97	21.08	21.13	22.00
		8	0	20.04	20.20	20.09	21.00
		8	4	20.09	20.12	20.11	21.00
		8	7	20.06	20.16	20.13	21.00
		15	0	20.08	20.20	20.14	21.00
	256QAM	1	0	18.02	18.19	18.11	19.00
		1	7	17.99	18.22	18.11	19.00
		1	14	18.09	18.14	18.12	19.00
		8	0	18.09	18.16	18.12	19.00
		8	4	18.10	18.20	18.09	19.00
		8	7	18.07	18.15	18.09	19.00
		15	0	18.00	18.14	18.16	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.02	21.29	21.26	22.00
		1	13	21.00	21.11	21.01	22.00
		1	24	20.95	21.05	21.09	22.00
		12	0	21.15	21.28	21.17	22.00
		12	6	21.10	21.15	21.01	22.00
		12	13	21.07	21.16	21.11	22.00
		25	0	21.00	21.08	21.15	22.00
	16QAM	1	0	21.02	21.07	21.14	22.00
		1	13	20.89	21.18	21.10	22.00
		1	24	21.10	21.02	21.05	22.00
		12	0	21.04	21.04	21.11	22.00
		12	6	20.96	21.06	21.05	22.00
		12	13	20.95	21.05	21.11	22.00



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	64QAM	25	0	20.97	21.18	21.01	22.00
		1	0	20.99	21.10	21.10	22.00
		1	13	21.14	21.06	21.01	22.00
		1	24	20.94	21.17	21.09	22.00
		12	0	20.00	20.21	20.11	21.00
		12	6	20.06	20.09	20.11	21.00
		12	13	20.06	20.19	20.13	21.00
	256QAM	25	0	20.03	20.16	20.17	21.00
		1	0	18.03	18.15	18.11	19.00
		1	13	18.02	18.19	18.16	19.00
		1	24	18.10	18.11	18.12	19.00
		12	0	18.10	18.15	18.14	19.00
		12	6	18.09	18.13	18.07	19.00
		12	13	18.06	18.16	18.08	19.00
		25	0	18.01	18.19	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20000	20175	20350	
10MHz	QPSK	1	0	21.09	21.31	21.15	22.00
		1	25	21.01	21.01	21.08	22.00
		1	49	20.91	21.08	21.08	22.00
		25	0	21.11	21.21	21.18	22.00
		25	13	21.00	21.21	21.10	22.00
		25	25	21.05	21.13	21.13	22.00
		50	0	21.00	21.18	21.11	22.00
	16QAM	1	0	21.09	21.06	21.12	22.00
		1	25	20.99	21.13	21.00	22.00
		1	49	21.09	21.05	20.97	22.00
		25	0	21.01	21.09	21.13	22.00
		25	13	20.98	21.14	21.09	22.00
		25	25	20.96	21.09	21.12	22.00
		50	0	20.96	21.06	21.02	22.00
	64QAM	1	0	20.92	21.10	21.15	22.00
		1	25	21.08	21.07	21.06	22.00
		1	49	20.87	21.13	21.07	22.00
		25	0	19.96	20.11	20.11	21.00
		25	13	20.09	20.04	20.09	21.00
		25	25	20.10	20.07	20.08	21.00
		50	0	20.06	20.13	20.09	21.00
	256QAM	1	0	18.05	18.18	18.12	19.00
		1	25	18.04	18.17	18.10	19.00
		1	49	18.05	18.15	18.07	19.00
		25	0	18.11	18.18	18.13	19.00
		25	13	18.04	18.14	18.09	19.00
		25	25	18.05	18.16	18.11	19.00
		50	0	18.01	18.16	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	21.12	21.24	21.25	22.00
		1	38	20.98	21.07	21.05	22.00
		1	74	21.02	21.02	21.07	22.00
		36	0	21.12	21.23	21.26	22.00
		36	18	21.02	21.09	21.00	22.00
		36	39	21.05	21.11	21.12	22.00
		75	0	20.97	21.16	21.07	22.00
	16QAM	1	0	21.04	21.18	21.07	22.00
		1	38	20.95	21.19	21.05	22.00
		1	74	21.02	21.03	21.02	22.00



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		36	0	21.00	21.14	21.16	22.00
		36	18	20.99	21.09	21.10	22.00
		36	39	20.99	21.09	21.16	22.00
		75	0	20.96	21.14	21.01	22.00
	64QAM	1	0	21.03	21.02	21.04	22.00
		1	38	21.05	21.07	20.94	22.00
		1	74	20.92	21.06	21.02	22.00
		36	0	19.99	20.10	20.06	21.00
		36	18	20.03	20.08	20.01	21.00
		36	39	20.05	19.99	20.01	21.00
		75	0	20.04	20.12	20.11	21.00
	256QAM	1	0	18.03	18.21	18.07	19.00
		1	38	18.02	18.21	18.12	19.00
		1	74	18.04	18.19	18.11	19.00
		36	0	18.12	18.18	18.14	19.00
		36	18	18.09	18.17	18.10	19.00
		36	39	18.00	18.16	18.16	19.00
		75	0	18.03	18.15	18.12	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	21.24	21.45	21.37	22.00
		1	50	21.16	21.22	21.19	22.00
		1	99	21.12	21.20	21.24	22.00
		50	0	21.29	21.39	21.36	22.00
		50	25	21.20	21.30	21.21	22.00
		50	50	21.17	21.26	21.26	22.00
		100	0	21.18	21.28	21.25	22.00
	16QAM	1	0	21.24	21.27	21.27	22.00
		1	50	21.11	21.28	21.21	22.00
		1	99	21.20	21.23	21.18	22.00
		50	0	21.19	21.25	21.30	22.00
		50	25	21.14	21.24	21.23	22.00
		50	50	21.16	21.23	21.26	22.00
		100	0	21.16	21.27	21.22	22.00
	64QAM	1	0	21.13	21.23	21.26	22.00
		1	50	21.26	21.24	21.16	22.00
		1	99	21.08	21.27	21.22	22.00
		50	0	20.09	20.26	20.22	21.00
		50	25	20.19	20.23	20.21	21.00
		50	50	20.24	20.19	20.19	21.00
		100	0	20.17	20.22	20.27	21.00
	256QAM	1	0	18.35	18.48	18.40	19.00
		1	50	18.33	18.49	18.43	19.00
		1	99	18.39	18.46	18.39	19.00
		50	0	18.39	18.48	18.45	19.00
		50	25	18.38	18.47	18.40	19.00
		50	50	18.34	18.46	18.43	19.00
		100	0	18.34	18.48	18.43	19.00

LTE Band 4 Ant1 Hotspot For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	19.16	19.35	19.10	20.00
		1	2	19.09	19.11	19.00	20.00
		1	5	18.97	19.10	18.97	20.00



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		3	0	19.10	19.32	19.15	20.00
		3	2	19.05	19.12	19.08	20.00
		3	3	19.01	19.17	18.92	20.00
		6	0	19.02	19.27	19.11	20.00
	16QAM	1	0	18.97	19.09	19.02	20.00
		1	2	19.03	19.15	19.03	20.00
		1	5	19.12	19.11	19.05	20.00
		3	0	19.04	19.23	19.08	20.00
		3	2	19.04	19.01	19.04	20.00
		3	3	19.07	19.11	19.05	20.00
		6	0	19.01	19.10	19.02	20.00
	64QAM	1	0	19.08	19.19	19.07	20.00
		1	2	19.03	19.11	18.99	20.00
		1	5	19.05	19.23	19.10	20.00
		3	0	19.01	19.07	18.96	20.00
		3	2	19.11	19.23	19.08	20.00
		3	3	19.07	19.11	19.14	20.00
		6	0	18.94	19.06	18.97	20.00
	256QAM	1	0	18.05	18.15	18.13	19.00
		1	2	18.01	18.20	18.11	19.00
		1	5	18.08	18.17	18.06	19.00
		3	0	18.09	18.15	18.10	19.00
		3	2	18.09	18.15	18.10	19.00
		3	3	18.04	18.17	18.12	19.00
		6	0	17.99	18.17	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	19.18	19.41	19.13	20.00
		1	7	19.08	19.06	19.04	20.00
		1	14	19.01	19.11	19.01	20.00
		8	0	19.15	19.28	19.11	20.00
		8	4	19.02	19.16	19.12	20.00
		8	7	18.99	19.13	18.88	20.00
		15	0	19.10	19.21	19.09	20.00
	16QAM	1	0	19.00	19.10	18.93	20.00
		1	7	19.04	19.17	19.04	20.00
		1	14	19.12	19.13	19.06	20.00
		8	0	19.08	19.21	19.09	20.00
		8	4	19.04	19.02	19.00	20.00
		8	7	19.05	19.07	19.02	20.00
		15	0	18.99	19.16	18.98	20.00
	64QAM	1	0	19.09	19.20	19.07	20.00
		1	7	18.97	19.11	19.00	20.00
		1	14	19.06	19.24	19.04	20.00
		8	0	19.03	19.15	19.01	20.00
		8	4	19.14	19.28	19.05	20.00
		8	7	19.07	19.15	19.15	20.00
		15	0	18.92	19.03	18.98	20.00
	256QAM	1	0	18.02	18.19	18.11	19.00
		1	7	17.99	18.22	18.11	19.00
		1	14	18.09	18.14	18.12	19.00
		8	0	18.09	18.16	18.12	19.00
		8	4	18.10	18.20	18.09	19.00
		8	7	18.07	18.15	18.09	19.00
		15	0	18.00	18.14	18.16	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				19975	20175	20375	
5MHz	QPSK	1	0	19.16	19.41	19.09	20.00
		1	13	19.11	19.15	18.98	20.00
		1	24	19.00	19.17	18.99	20.00
		12	0	19.19	19.25	19.14	20.00
		12	6	19.05	19.09	19.12	20.00
		12	13	18.97	19.16	18.95	20.00
		25	0	19.05	19.20	19.08	20.00
	16QAM	1	0	18.97	19.12	19.03	20.00
		1	13	19.03	19.21	19.05	20.00
		1	24	19.07	19.18	19.08	20.00
		12	0	19.08	19.21	19.11	20.00
		12	6	19.02	19.09	19.02	20.00
		12	13	19.04	19.10	19.02	20.00
		25	0	19.00	19.15	19.01	20.00
	64QAM	1	0	19.14	19.13	19.10	20.00
		1	13	18.97	19.07	19.03	20.00
		1	24	19.06	19.27	19.08	20.00
		12	0	19.04	19.11	19.00	20.00
		12	6	19.06	19.30	19.09	20.00
		12	13	19.08	19.15	19.13	20.00
		25	0	18.95	19.11	19.01	20.00
	256QAM	1	0	18.03	18.15	18.11	19.00
		1	13	18.02	18.19	18.16	19.00
		1	24	18.10	18.11	18.12	19.00
		12	0	18.10	18.15	18.14	19.00
		12	6	18.09	18.13	18.07	19.00
		12	13	18.06	18.16	18.08	19.00
		25	0	18.01	18.19	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	19.15	19.41	19.11	20.00
		1	25	19.05	19.15	18.97	20.00
		1	49	19.01	19.17	18.96	20.00
		25	0	19.15	19.32	19.18	20.00
		25	13	19.03	19.08	19.10	20.00
		25	25	18.99	19.13	18.89	20.00
		50	0	19.09	19.26	19.10	20.00
	16QAM	1	0	18.92	19.12	18.96	20.00
		1	25	19.09	19.15	19.06	20.00
		1	49	19.11	19.13	19.08	20.00
		25	0	19.02	19.23	19.05	20.00
		25	13	19.02	19.04	19.02	20.00
		25	25	19.07	19.07	19.03	20.00
		50	0	19.03	19.09	18.97	20.00
	64QAM	1	0	19.05	19.22	19.01	20.00
		1	25	19.00	19.09	18.96	20.00
		1	49	19.05	19.26	19.11	20.00
		25	0	19.02	19.05	19.00	20.00
		25	13	19.12	19.28	19.10	20.00
		25	25	19.10	19.13	19.07	20.00
		50	0	18.95	19.05	18.98	20.00
	256QAM	1	0	18.05	18.18	18.12	19.00
		1	25	18.04	18.17	18.10	19.00
		1	49	18.05	18.15	18.07	19.00
		25	0	18.11	18.18	18.13	19.00



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		25	13	18.04	18.14	18.09	19.00
		25	25	18.05	18.16	18.11	19.00
		50	0	18.01	18.16	18.09	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20025	20175	20325	
15MHz	QPSK	1	0	19.13	19.36	19.11	20.00
		1	38	19.09	19.10	18.99	20.00
		1	74	18.99	19.18	19.01	20.00
		36	0	19.16	19.26	19.19	20.00
		36	18	19.01	19.11	19.06	20.00
		36	39	18.96	19.14	18.93	20.00
		75	0	19.09	19.23	19.08	20.00
	16QAM	1	0	18.99	19.08	19.01	20.00
		1	38	19.04	19.14	19.06	20.00
		1	74	19.12	19.14	19.10	20.00
		36	0	19.01	19.15	19.06	20.00
		36	18	19.01	19.06	18.99	20.00
		36	39	19.05	19.11	19.06	20.00
		75	0	19.06	19.13	18.95	20.00
	64QAM	1	0	19.14	19.17	19.04	20.00
		1	38	18.96	19.09	19.02	20.00
		1	74	19.05	19.23	19.07	20.00
		36	0	19.05	19.15	18.95	20.00
		36	18	19.07	19.25	19.06	20.00
		36	39	19.04	19.12	19.15	20.00
		75	0	18.89	19.06	18.97	20.00
	256QAM	1	0	18.03	18.21	18.07	19.00
		1	38	18.02	18.21	18.12	19.00
		1	74	18.04	18.19	18.11	19.00
		36	0	18.12	18.18	18.14	19.00
		36	18	18.09	18.17	18.10	19.00
		36	39	18.00	18.16	18.16	19.00
		75	0	18.03	18.15	18.12	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20050	20175	20300	
20MHz	QPSK	1	0	19.27	19.51	19.23	20.00
		1	50	19.18	19.23	19.13	20.00
		1	99	19.12	19.25	19.11	20.00
		50	0	19.26	19.41	19.26	20.00
		50	25	19.14	19.23	19.22	20.00
		50	50	19.09	19.26	19.05	20.00
		100	0	19.19	19.34	19.21	20.00
	16QAM	1	0	19.07	19.21	19.10	20.00
		1	50	19.17	19.30	19.17	20.00
		1	99	19.19	19.26	19.19	20.00
		50	0	19.17	19.32	19.19	20.00
		50	25	19.16	19.18	19.12	20.00
		50	50	19.21	19.22	19.16	20.00
		100	0	19.16	19.24	19.12	20.00
	64QAM	1	0	19.22	19.29	19.18	20.00
		1	50	19.10	19.23	19.10	20.00
		1	99	19.20	19.36	19.18	20.00
		50	0	19.12	19.22	19.12	20.00
		50	25	19.21	19.40	19.18	20.00
		50	50	19.17	19.27	19.22	20.00
		100	0	19.05	19.18	19.11	20.00
	256QAM	1	0	18.35	18.48	18.40	19.00



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		1	50	18.33	18.49	18.43	19.00
		1	99	18.39	18.46	18.39	19.00
		50	0	18.39	18.48	18.45	19.00
		50	25	18.38	18.47	18.40	19.00
		50	50	18.34	18.46	18.43	19.00
		100	0	18.34	18.48	18.43	19.00

LTE Band 5 Ant7 Head&Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	21.91	22.04	21.95	23.00
		1	2	21.92	21.97	21.86	23.00
		1	5	21.91	21.98	21.81	23.00
		3	0	21.88	22.03	21.98	23.00
		3	2	21.84	21.88	21.84	23.00
		3	3	21.90	21.98	21.86	23.00
		6	0	21.85	22.01	21.94	23.00
	16QAM	1	0	21.81	21.84	21.71	23.00
		1	2	21.75	21.89	21.75	23.00
		1	5	21.77	21.91	21.76	23.00
		3	0	21.76	21.79	21.71	23.00
		3	2	21.73	21.87	21.73	23.00
		3	3	21.81	21.82	21.76	23.00
		6	0	21.22	21.25	21.15	22.00
	64QAM	1	0	21.13	21.17	21.18	22.00
		1	2	21.19	21.14	21.15	22.00
		1	5	21.21	21.43	21.19	22.00
		3	0	21.19	21.32	21.20	22.00
		3	2	21.15	21.24	21.17	22.00
		3	3	21.13	21.26	21.17	22.00
		6	0	20.10	20.30	20.26	21.00
	256QAM	1	0	18.12	18.20	18.30	19.00
		1	2	18.14	18.27	18.18	19.00
		1	5	18.18	18.24	18.18	19.00
		3	0	18.22	18.35	18.16	19.00
		3	2	18.11	18.35	18.30	19.00
		3	3	18.19	18.20	18.15	19.00
		6	0	18.12	18.21	18.29	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	21.95	22.03	22.00	23.00
		1	7	21.89	21.92	21.83	23.00
		1	14	21.87	21.99	21.88	23.00
		8	0	21.82	22.01	21.88	23.00
		8	4	21.82	21.85	21.73	23.00
		8	7	21.81	21.94	21.78	23.00
		15	0	21.74	21.86	21.72	23.00
	16QAM	1	0	21.80	21.81	21.75	23.00
		1	7	21.72	21.89	21.70	23.00
		1	14	21.77	21.84	21.75	23.00
		8	0	21.11	21.21	21.18	22.00
		8	4	21.15	21.25	21.22	22.00
		8	7	21.18	21.33	21.32	22.00
		15	0	21.14	21.24	21.20	22.00



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	64QAM	1	0	21.15	21.24	21.21	22.00
		1	7	21.15	21.16	21.21	22.00
		1	14	21.27	21.38	21.14	22.00
		8	0	20.06	20.31	20.26	21.00
		8	4	20.11	20.12	20.22	21.00
		8	7	20.23	20.27	20.16	21.00
		15	0	20.13	20.35	20.19	21.00
	256QAM	1	0	18.14	18.24	18.24	19.00
		1	7	18.19	18.23	18.20	19.00
		1	14	18.17	18.20	18.14	19.00
		8	0	18.28	18.28	18.27	19.00
		8	4	18.21	18.37	18.24	19.00
		8	7	18.22	18.25	18.15	19.00
		15	0	18.09	18.22	18.30	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	21.94	22.07	21.95	23.00
		1	13	21.85	21.95	21.80	23.00
		1	24	21.88	21.96	21.87	23.00
		12	0	21.84	21.98	21.95	23.00
		12	6	21.79	21.86	21.73	23.00
		12	13	21.78	21.93	21.76	23.00
		25	0	21.79	21.90	21.71	23.00
	16QAM	1	0	21.83	21.82	21.77	23.00
		1	13	21.77	21.85	21.76	23.00
		1	24	21.79	21.81	21.70	23.00
		12	0	21.17	21.29	21.22	22.00
		12	6	21.22	21.27	21.25	22.00
		12	13	21.13	21.38	21.25	22.00
		25	0	21.17	21.28	21.16	22.00
	64QAM	1	0	21.16	21.24	21.18	22.00
		1	13	21.15	21.14	21.20	22.00
		1	24	21.25	21.40	21.18	22.00
		12	0	20.07	20.21	20.28	21.00
		12	6	20.09	20.16	20.21	21.00
		12	13	20.12	20.32	20.22	21.00
		25	0	20.15	20.25	20.20	21.00
	256QAM	1	0	18.04	18.28	18.29	19.00
		1	13	18.19	18.23	18.19	19.00
		1	24	18.22	18.21	18.15	19.00
		12	0	18.21	18.26	18.19	19.00
		12	6	18.22	18.34	18.27	19.00
		12	13	18.23	18.30	18.23	19.00
		25	0	18.15	18.23	18.26	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	21.98	22.22	22.09	23.00
		1	25	21.94	22.00	21.91	23.00
		1	49	21.81	22.10	21.98	23.00
		25	0	21.84	22.12	21.95	23.00
		25	13	21.86	21.86	21.81	23.00
		25	25	21.68	21.99	21.87	23.00
		50	0	21.71	21.99	21.89	23.00
	16QAM	1	0	21.92	22.10	22.03	23.00
		1	25	21.87	21.89	21.83	23.00
		1	49	21.74	22.01	21.88	23.00



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		25	0	21.44	21.55	21.47	22.00
		25	13	21.47	21.58	21.55	22.00
		25	25	21.46	21.62	21.55	22.00
		50	0	21.48	21.55	21.47	22.00
	64QAM	1	0	21.45	21.51	21.50	22.00
		1	25	21.46	21.47	21.49	22.00
		1	49	21.53	21.66	21.49	22.00
		25	0	20.38	20.54	20.52	21.00
		25	13	20.42	20.46	20.52	21.00
		25	25	20.46	20.61	20.47	21.00
		50	0	20.43	20.59	20.53	21.00
	256QAM	1	0	18.38	18.52	18.54	19.00
		1	25	18.48	18.54	18.48	19.00
		1	49	18.48	18.53	18.46	19.00
		25	0	18.54	18.61	18.51	19.00
		25	13	18.46	18.64	18.54	19.00
		25	25	18.51	18.54	18.49	19.00
		50	0	18.40	18.49	18.58	19.00

LTE Band 5 Ant7 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	23.24	23.44	23.31	24.00
		1	2	23.11	23.16	23.06	24.00
		1	5	23.01	23.23	23.16	24.00
		3	0	23.14	23.40	23.26	24.00
		3	2	23.13	23.25	23.03	24.00
		3	3	23.12	23.22	23.14	24.00
		6	0	22.26	22.34	22.22	23.00
	16QAM	1	0	22.05	22.32	22.29	23.00
		1	2	22.12	22.27	22.22	23.00
		1	5	22.25	22.29	22.32	23.00
		3	0	21.99	22.29	22.23	23.00
		3	2	22.01	22.39	22.35	23.00
		3	3	22.27	22.30	22.26	23.00
		6	0	21.22	21.25	21.15	22.00
	64QAM	1	0	21.13	21.17	21.18	22.00
		1	2	21.19	21.14	21.15	22.00
		1	5	21.21	21.43	21.19	22.00
		3	0	21.19	21.32	21.20	22.00
		3	2	21.15	21.24	21.17	22.00
		3	3	21.13	21.26	21.17	22.00
		6	0	20.10	20.30	20.26	21.00
	256QAM	1	0	18.12	18.20	18.30	19.00
		1	2	18.14	18.27	18.18	19.00
		1	5	18.18	18.24	18.18	19.00
		3	0	18.22	18.35	18.16	19.00
		3	2	18.11	18.35	18.30	19.00
		3	3	18.19	18.20	18.15	19.00
		6	0	18.12	18.21	18.29	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	23.23	23.35	23.30	24.00
		1	7	23.08	23.20	23.06	24.00



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		1	14	23.06	23.23	23.13	24.00
		8	0	22.26	22.36	22.27	23.00
		8	4	22.01	22.35	22.25	23.00
		8	7	22.02	22.29	22.28	23.00
		15	0	22.31	22.26	22.16	23.00
	16QAM	1	0	22.11	22.24	22.25	23.00
		1	7	22.13	22.28	22.27	23.00
		1	14	22.15	22.29	22.32	23.00
		8	0	21.11	21.21	21.18	22.00
		8	4	21.15	21.25	21.22	22.00
		8	7	21.18	21.33	21.32	22.00
		15	0	21.14	21.24	21.20	22.00
	64QAM	1	0	21.15	21.24	21.21	22.00
		1	7	21.15	21.16	21.21	22.00
		1	14	21.27	21.38	21.14	22.00
		8	0	20.06	20.31	20.26	21.00
		8	4	20.11	20.12	20.22	21.00
		8	7	20.23	20.27	20.16	21.00
		15	0	20.13	20.35	20.19	21.00
	256QAM	1	0	18.14	18.24	18.24	19.00
		1	7	18.19	18.23	18.20	19.00
		1	14	18.17	18.20	18.14	19.00
		8	0	18.28	18.28	18.27	19.00
		8	4	18.21	18.37	18.24	19.00
		8	7	18.22	18.25	18.15	19.00
		15	0	18.09	18.22	18.30	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	23.23	23.33	23.27	24.00
		1	13	23.06	23.25	23.08	24.00
		1	24	23.07	23.23	23.12	24.00
		12	0	22.21	22.35	22.26	23.00
		12	6	22.00	22.30	22.26	23.00
		12	13	22.11	22.28	22.31	23.00
		25	0	22.22	22.27	22.20	23.00
	16QAM	1	0	22.04	22.36	22.22	23.00
		1	13	22.21	22.27	22.21	23.00
		1	24	22.18	22.32	22.22	23.00
		12	0	21.17	21.29	21.22	22.00
		12	6	21.22	21.27	21.25	22.00
		12	13	21.13	21.38	21.25	22.00
		25	0	21.17	21.28	21.16	22.00
	64QAM	1	0	21.16	21.24	21.18	22.00
		1	13	21.15	21.14	21.20	22.00
		1	24	21.25	21.40	21.18	22.00
		12	0	20.07	20.21	20.28	21.00
		12	6	20.09	20.16	20.21	21.00
		12	13	20.12	20.32	20.22	21.00
		25	0	20.15	20.25	20.20	21.00
	256QAM	1	0	18.04	18.28	18.29	19.00
		1	13	18.19	18.23	18.19	19.00
		1	24	18.22	18.21	18.15	19.00
		12	0	18.21	18.26	18.19	19.00
		12	6	18.22	18.34	18.27	19.00
		12	13	18.23	18.30	18.23	19.00
		25	0	18.15	18.23	18.26	19.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	23.48	23.67	23.55	24.00
		1	25	23.40	23.51	23.34	24.00
		1	49	23.36	23.52	23.45	24.00
		25	0	22.51	22.65	22.56	23.00
		25	13	22.34	22.59	22.49	23.00
		25	25	22.35	22.62	22.61	23.00
		50	0	22.55	22.57	22.50	23.00
	16QAM	1	0	22.36	22.59	22.52	23.00
		1	25	22.45	22.61	22.54	23.00
		1	49	22.49	22.55	22.56	23.00
		25	0	21.44	21.55	21.47	22.00
		25	13	21.47	21.58	21.55	22.00
		25	25	21.46	21.62	21.55	22.00
		50	0	21.48	21.55	21.47	22.00
	64QAM	1	0	21.45	21.51	21.50	22.00
		1	25	21.46	21.47	21.49	22.00
		1	49	21.53	21.66	21.49	22.00
		25	0	20.38	20.54	20.52	21.00
		25	13	20.42	20.46	20.52	21.00
		25	25	20.46	20.61	20.47	21.00
		50	0	20.43	20.59	20.53	21.00
	256QAM	1	0	18.38	18.52	18.54	19.00
		1	25	18.48	18.54	18.48	19.00
		1	49	18.48	18.53	18.46	19.00
		25	0	18.54	18.61	18.51	19.00
		25	13	18.46	18.64	18.54	19.00
		25	25	18.51	18.54	18.49	19.00
		50	0	18.40	18.49	18.58	19.00

LTE Band 7 Ant1 Head Standalone & Hotspot Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	16.97	17.08	17.04	18.00
		1	13	16.84	16.94	17.04	18.00
		1	24	16.89	17.11	16.87	18.00
		12	0	16.96	17.11	17.02	18.00
		12	6	16.81	16.97	16.97	18.00
		12	13	16.83	17.10	16.99	18.00
		25	0	16.82	16.95	16.96	18.00
	16QAM	1	0	16.83	17.03	16.94	18.00
		1	13	16.83	17.02	16.88	18.00
		1	24	16.73	17.06	16.93	18.00
		12	0	16.82	16.90	16.93	18.00
		12	6	16.87	16.92	17.02	18.00
		12	13	16.74	17.08	17.01	18.00
		25	0	16.80	16.97	17.00	18.00
	64QAM	1	0	16.82	16.92	17.00	18.00
		1	13	16.77	17.01	17.02	18.00
		1	24	16.85	17.02	17.06	18.00
		12	0	16.75	17.02	16.96	18.00
		12	6	16.91	16.94	16.90	18.00
		12	13	16.72	16.93	16.89	18.00
		25	0	16.88	16.87	16.92	18.00



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	256QAM	1	0	16.80	16.93	16.97	18.00
		1	13	16.80	16.96	16.90	18.00
		1	24	16.88	16.97	17.05	18.00
		12	0	16.80	17.06	16.92	18.00
		12	6	16.81	17.06	16.92	18.00
		12	13	16.91	16.89	16.93	18.00
		25	0	16.94	16.88	16.87	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	17.05	17.15	17.09	18.00
		1	25	16.90	16.93	16.95	18.00
		1	49	16.89	17.05	16.93	18.00
		25	0	16.94	17.05	17.02	18.00
		25	13	16.85	16.93	16.99	18.00
		25	25	16.86	17.03	16.89	18.00
		50	0	16.83	16.91	16.98	18.00
	16QAM	1	0	16.84	17.06	16.92	18.00
		1	25	16.82	16.98	16.90	18.00
		1	49	16.83	17.09	16.96	18.00
		25	0	16.82	16.87	16.99	18.00
		25	13	16.90	17.03	17.02	18.00
		25	25	16.82	17.08	16.95	18.00
		50	0	16.84	16.96	16.94	18.00
	64QAM	1	0	16.86	17.01	16.94	18.00
		1	25	16.82	17.01	16.97	18.00
		1	49	16.86	16.95	17.04	18.00
		25	0	16.83	17.02	16.99	18.00
		25	13	16.80	16.99	16.92	18.00
		25	25	16.78	16.93	16.94	18.00
		50	0	16.83	16.97	16.91	18.00
	256QAM	1	0	16.80	16.93	16.90	18.00
		1	25	16.87	16.93	17.01	18.00
		1	49	16.87	16.98	17.01	18.00
		25	0	16.85	16.94	16.97	18.00
		25	13	16.78	17.03	16.98	18.00
		25	25	16.90	16.89	16.87	18.00
		50	0	16.87	16.90	16.95	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	17.00	17.16	17.07	18.00
		1	38	16.89	17.02	17.02	18.00
		1	74	16.80	17.01	16.88	18.00
		36	0	16.95	17.15	17.00	18.00
		36	18	16.82	16.90	16.99	18.00
		36	39	16.80	17.02	16.96	18.00
		75	0	16.81	16.88	16.97	18.00
	16QAM	1	0	16.90	16.99	16.89	18.00
		1	38	16.83	17.05	16.91	18.00
		1	74	16.80	17.05	16.92	18.00
		36	0	16.78	16.90	16.98	18.00
		36	18	16.91	17.01	16.96	18.00
		36	39	16.84	17.06	16.95	18.00
		75	0	16.74	16.94	16.93	18.00
	64QAM	1	0	16.76	17.00	16.93	18.00
		1	38	16.81	17.08	16.96	18.00
		1	74	16.94	17.01	16.99	18.00



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		36	0	16.82	17.04	16.95	18.00
		36	18	16.82	16.94	17.00	18.00
		36	39	16.84	16.94	16.90	18.00
		75	0	16.83	16.88	16.86	18.00
	256QAM	1	0	16.79	17.01	16.91	18.00
		1	38	16.84	17.02	16.94	18.00
		1	74	16.89	16.92	16.95	18.00
		36	0	16.78	16.96	16.88	18.00
		36	18	16.82	17.07	16.98	18.00
		36	39	16.87	16.90	16.92	18.00
		75	0	16.93	16.92	16.90	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	17.19	17.33	17.29	18.00
		1	50	17.06	17.14	17.16	18.00
		1	99	17.03	17.24	17.11	18.00
		50	0	17.12	17.29	17.23	18.00
		50	25	16.99	17.15	17.17	18.00
		50	50	17.01	17.24	17.13	18.00
		100	0	17.00	17.12	17.14	18.00
	16QAM	1	0	17.03	17.22	17.12	18.00
		1	50	17.06	17.18	17.11	18.00
		1	99	16.98	17.23	17.11	18.00
		50	0	17.00	17.11	17.15	18.00
		50	25	17.03	17.17	17.16	18.00
		50	50	16.99	17.21	17.17	18.00
		100	0	16.97	17.16	17.12	18.00
	64QAM	1	0	17.01	17.13	17.15	18.00
		1	50	17.01	17.22	17.16	18.00
		1	99	17.10	17.17	17.19	18.00
		50	0	16.99	17.22	17.12	18.00
		50	25	17.05	17.15	17.13	18.00
		50	50	16.97	17.16	17.13	18.00
		100	0	17.07	17.12	17.11	18.00
	256QAM	1	0	16.98	17.15	17.11	18.00
		1	50	17.01	17.17	17.14	18.00
		1	99	17.09	17.14	17.17	18.00
		50	0	17.01	17.19	17.12	18.00
		50	25	17.00	17.21	17.11	18.00
		50	50	17.07	17.09	17.11	18.00
		100	0	17.10	17.13	17.10	18.00

LTE Band 7 Ant1 Head Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	12.13	12.23	12.21	13.00
		1	13	11.96	12.08	12.08	13.00
		1	24	11.95	12.16	12.06	13.00
		12	0	12.02	12.20	12.14	13.00
		12	6	11.87	12.08	12.05	13.00
		12	13	11.87	12.08	12.04	13.00
		25	0	11.86	11.97	12.02	13.00
	16QAM	1	0	11.90	12.08	12.06	13.00
		1	13	11.96	12.16	11.99	13.00
		1	24	11.88	12.09	11.96	13.00



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		12	0	11.92	12.03	12.08	13.00
		12	6	11.96	12.09	12.02	13.00
		12	13	11.88	12.04	12.04	13.00
		25	0	11.90	12.03	11.94	13.00
	64QAM	1	0	11.91	12.04	11.97	13.00
		1	13	11.88	12.13	12.04	13.00
		1	24	11.97	12.05	12.04	13.00
		12	0	11.89	12.10	11.91	13.00
		12	6	11.90	12.02	12.06	13.00
		12	13	11.92	12.01	12.01	13.00
		25	0	12.00	11.95	12.01	13.00
		25	0	12.00	11.95	12.01	13.00
	256QAM	1	0	11.85	11.95	11.95	13.00
		1	13	11.88	12.05	11.97	13.00
		1	24	12.02	12.01	12.08	13.00
		12	0	11.90	12.05	12.04	13.00
		12	6	11.90	12.01	11.97	13.00
		12	13	12.00	11.93	11.98	13.00
		25	0	11.98	11.93	11.95	13.00
		25	0	11.98	11.93	11.95	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	12.08	12.28	12.15	13.00
		1	25	11.92	12.01	12.10	13.00
		1	49	11.91	12.14	12.00	13.00
		25	0	12.07	12.22	12.15	13.00
		25	13	11.84	12.00	12.11	13.00
		25	25	11.95	12.14	12.07	13.00
		50	0	11.87	11.91	11.98	13.00
	16QAM	1	0	11.96	12.15	12.06	13.00
		1	25	12.04	12.08	12.01	13.00
		1	49	11.85	12.09	11.93	13.00
		25	0	11.92	12.04	12.11	13.00
		25	13	11.93	12.04	12.06	13.00
		25	25	11.81	12.09	12.06	13.00
		50	0	11.87	12.07	11.97	13.00
	64QAM	1	0	11.90	12.08	11.97	13.00
		1	25	11.93	12.16	12.03	13.00
		1	49	11.97	11.98	12.10	13.00
		25	0	11.83	12.01	11.94	13.00
		25	13	11.95	12.02	11.99	13.00
		25	25	11.93	12.04	12.04	13.00
		50	0	11.96	12.03	11.97	13.00
	256QAM	1	0	11.81	12.00	11.98	13.00
		1	25	11.90	12.02	12.03	13.00
		1	49	12.02	12.07	12.06	13.00
		25	0	11.98	12.05	12.00	13.00
		25	13	11.83	12.04	12.02	13.00
		25	25	12.01	11.93	11.96	13.00
		50	0	12.04	11.91	11.99	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	12.06	12.20	12.23	13.00
		1	38	11.94	12.11	12.07	13.00
		1	74	11.94	12.15	12.02	13.00
		36	0	12.00	12.18	12.19	13.00
		36	18	11.82	11.99	12.03	13.00
		36	39	11.86	12.11	12.07	13.00



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	16QAM	75	0	11.90	11.90	12.00	13.00
		1	0	11.89	12.09	12.06	13.00
		1	38	11.96	12.09	12.04	13.00
		1	74	11.87	12.10	11.95	13.00
		36	0	11.92	12.02	12.06	13.00
		36	18	11.88	12.00	12.05	13.00
		36	39	11.85	12.03	12.04	13.00
	64QAM	75	0	11.86	12.06	12.01	13.00
		1	0	11.88	12.05	11.98	13.00
		1	38	11.87	12.16	12.06	13.00
		1	74	12.01	11.97	12.11	13.00
		36	0	11.90	12.08	11.98	13.00
		36	18	11.89	12.01	12.05	13.00
		36	39	11.90	12.01	12.00	13.00
	256QAM	75	0	11.97	11.97	11.96	13.00
		1	0	11.84	11.96	11.92	13.00
		1	38	11.89	12.06	12.01	13.00
		1	74	12.00	12.07	12.03	13.00
		36	0	11.93	12.11	12.07	13.00
		36	18	11.81	12.04	12.03	13.00
		36	39	12.02	12.00	12.02	13.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	12.20	12.37	12.32	13.00
		1	50	12.09	12.18	12.19	13.00
		1	99	12.06	12.29	12.14	13.00
		50	0	12.15	12.29	12.28	13.00
		50	25	11.99	12.16	12.18	13.00
		50	50	12.02	12.23	12.16	13.00
		100	0	12.02	12.07	12.14	13.00
	16QAM	1	0	12.04	12.22	12.17	13.00
		1	50	12.11	12.23	12.12	13.00
		1	99	11.99	12.19	12.08	13.00
		50	0	11.99	12.11	12.19	13.00
		50	25	12.04	12.16	12.18	13.00
		50	50	11.97	12.19	12.19	13.00
		100	0	11.97	12.19	12.11	13.00
	64QAM	1	0	12.01	12.17	12.13	13.00
		1	50	12.01	12.23	12.18	13.00
		1	99	12.10	12.13	12.18	13.00
		50	0	12.00	12.18	12.07	13.00
		50	25	12.05	12.11	12.15	13.00
		50	50	12.02	12.13	12.15	13.00
		100	0	12.08	12.11	12.09	13.00
	256QAM	1	0	11.96	12.12	12.07	13.00
		1	50	12.01	12.18	12.11	13.00
		1	99	12.13	12.15	12.19	13.00
		50	0	12.05	12.19	12.14	13.00
		50	25	11.98	12.18	12.10	13.00
		50	50	12.09	12.09	12.12	13.00
		100	0	12.14	12.08	12.06	13.00



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LTE Band 7 Ant1 Hotspot Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	14.63	14.75	14.62	15.50
		1	13	14.37	14.52	14.59	15.50
		1	24	14.44	14.69	14.51	15.50
		12	0	14.53	14.65	14.58	15.50
		12	6	14.37	14.58	14.56	15.50
		12	13	14.33	14.65	14.50	15.50
		25	0	14.30	14.55	14.57	15.50
	16QAM	1	0	14.47	14.62	14.55	15.50
		1	13	14.49	14.58	14.46	15.50
		1	24	14.40	14.60	14.45	15.50
		12	0	14.34	14.53	14.55	15.50
		12	6	14.36	14.57	14.49	15.50
		12	13	14.38	14.64	14.57	15.50
		25	0	14.31	14.54	14.52	15.50
	64QAM	1	0	14.38	14.51	14.54	15.50
		1	13	14.44	14.60	14.50	15.50
		1	24	14.50	14.52	14.50	15.50
		12	0	14.42	14.65	14.48	15.50
		12	6	14.40	14.57	14.48	15.50
		12	13	14.41	14.56	14.55	15.50
		25	0	14.40	14.54	14.47	15.50
	256QAM	1	0	14.36	14.54	14.49	15.50
		1	13	14.39	14.48	14.48	15.50
		1	24	14.45	14.45	14.54	15.50
		12	0	14.40	14.55	14.53	15.50
		12	6	14.34	14.54	14.54	15.50
		12	13	14.50	14.49	14.43	15.50
		25	0	14.51	14.50	14.49	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	14.60	14.75	14.60	15.50
		1	25	14.36	14.51	14.53	15.50
		1	49	14.44	14.64	14.55	15.50
		25	0	14.48	14.67	14.60	15.50
		25	13	14.37	14.56	14.50	15.50
		25	25	14.39	14.70	14.57	15.50
		50	0	14.36	14.59	14.54	15.50
	16QAM	1	0	14.41	14.70	14.46	15.50
		1	25	14.44	14.53	14.49	15.50
		1	49	14.43	14.62	14.45	15.50
		25	0	14.35	14.55	14.55	15.50
		25	13	14.43	14.55	14.45	15.50
		25	25	14.34	14.55	14.57	15.50
		50	0	14.31	14.53	14.51	15.50
	64QAM	1	0	14.44	14.49	14.53	15.50
		1	25	14.41	14.57	14.56	15.50
		1	49	14.43	14.48	14.56	15.50
		25	0	14.37	14.63	14.49	15.50
		25	13	14.46	14.58	14.54	15.50
		25	25	14.35	14.57	14.52	15.50
		50	0	14.46	14.56	14.48	15.50
	256QAM	1	0	14.38	14.57	14.45	15.50



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		1	25	14.46	14.52	14.47	15.50
		1	49	14.47	14.53	14.61	15.50
		25	0	14.37	14.54	14.58	15.50
		25	13	14.33	14.50	14.53	15.50
		25	25	14.48	14.54	14.52	15.50
		50	0	14.54	14.48	14.49	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	14.60	14.69	14.60	15.50
		1	38	14.45	14.50	14.51	15.50
		1	74	14.46	14.68	14.54	15.50
		36	0	14.47	14.70	14.56	15.50
		36	18	14.31	14.51	14.56	15.50
		36	39	14.36	14.65	14.58	15.50
		75	0	14.31	14.53	14.53	15.50
	16QAM	1	0	14.45	14.67	14.55	15.50
		1	38	14.49	14.51	14.43	15.50
		1	74	14.44	14.66	14.52	15.50
		36	0	14.38	14.56	14.55	15.50
		36	18	14.38	14.54	14.52	15.50
		36	39	14.34	14.62	14.58	15.50
		75	0	14.35	14.52	14.56	15.50
	64QAM	1	0	14.47	14.47	14.55	15.50
		1	38	14.43	14.55	14.54	15.50
		1	74	14.44	14.51	14.59	15.50
		36	0	14.36	14.55	14.52	15.50
		36	18	14.38	14.56	14.49	15.50
		36	39	14.38	14.57	14.52	15.50
		75	0	14.44	14.58	14.45	15.50
	256QAM	1	0	14.41	14.56	14.52	15.50
		1	38	14.40	14.51	14.46	15.50
		1	74	14.39	14.48	14.58	15.50
		36	0	14.38	14.59	14.55	15.50
		36	18	14.35	14.56	14.47	15.50
		36	39	14.50	14.53	14.48	15.50
		75	0	14.49	14.54	14.44	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	14.71	14.83	14.76	15.50
		1	50	14.52	14.63	14.66	15.50
		1	99	14.56	14.76	14.63	15.50
		50	0	14.63	14.81	14.68	15.50
		50	25	14.46	14.66	14.66	15.50
		50	50	14.47	14.77	14.67	15.50
		100	0	14.46	14.67	14.66	15.50
	16QAM	1	0	14.58	14.77	14.63	15.50
		1	50	14.59	14.68	14.57	15.50
		1	99	14.52	14.73	14.61	15.50
		50	0	14.47	14.65	14.63	15.50
		50	25	14.53	14.69	14.62	15.50
		50	50	14.48	14.71	14.69	15.50
		100	0	14.44	14.67	14.67	15.50
	64QAM	1	0	14.55	14.64	14.67	15.50
		1	50	14.53	14.67	14.63	15.50
		1	99	14.59	14.63	14.66	15.50
		50	0	14.51	14.72	14.62	15.50



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		50	25	14.53	14.70	14.64	15.50
		50	50	14.49	14.64	14.67	15.50
		100	0	14.54	14.65	14.58	15.50
	256QAM	1	0	14.48	14.65	14.61	15.50
		1	50	14.55	14.64	14.63	15.50
		1	99	14.56	14.61	14.68	15.50
		50	0	14.52	14.67	14.65	15.50
		50	25	14.45	14.66	14.62	15.50
		50	50	14.60	14.62	14.60	15.50
		100	0	14.62	14.62	14.57	15.50

LTE Band 7 Ant1 Body Seosor on				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	20.01	20.17	20.13	21.00
		1	13	19.82	19.99	19.92	21.00
		1	24	19.84	20.02	19.97	21.00
		12	0	19.92	20.16	20.05	21.00
		12	6	19.90	19.95	19.98	21.00
		12	13	19.89	20.01	19.92	21.00
		25	0	19.79	19.97	19.89	21.00
	16QAM	1	0	19.76	20.06	20.03	21.00
		1	13	19.85	20.08	20.00	21.00
		1	24	19.93	19.97	20.01	21.00
		12	0	19.82	19.93	19.97	21.00
		12	6	19.84	19.94	20.01	21.00
		12	13	19.80	20.08	19.90	21.00
		25	0	19.82	19.93	20.04	21.00
	64QAM	1	0	19.81	19.94	19.93	21.00
		1	13	19.87	19.93	19.85	21.00
		1	24	19.75	19.99	19.94	21.00
		12	0	19.87	19.89	19.90	21.00
		12	6	19.84	19.91	19.91	21.00
		12	13	19.83	20.02	20.05	21.00
		25	0	19.81	20.03	20.04	21.00
	256QAM	1	0	18.11	18.25	18.19	19.00
		1	13	18.13	18.36	18.12	19.00
		1	24	18.20	18.31	18.25	19.00
		12	0	18.08	18.20	18.25	19.00
		12	6	18.15	18.29	18.17	19.00
		12	13	18.10	18.18	18.14	19.00
		25	0	18.03	18.23	18.23	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	20.02	20.14	20.04	21.00
		1	25	19.79	19.93	20.01	21.00
		1	49	19.81	19.98	19.94	21.00
		25	0	20.02	20.18	20.00	21.00
		25	13	19.85	19.93	20.01	21.00
		25	25	19.90	20.10	20.00	21.00
		50	0	19.76	19.97	19.89	21.00
	16QAM	1	0	19.77	19.99	19.95	21.00
		1	25	19.88	20.08	19.97	21.00
		1	49	19.91	19.96	20.01	21.00
		25	0	19.87	19.96	19.89	21.00



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		25	13	19.84	19.94	20.01	21.00
		25	25	19.83	20.05	19.92	21.00
		50	0	19.79	19.93	19.97	21.00
	64QAM	1	0	19.88	20.00	19.85	21.00
		1	25	19.89	20.03	19.90	21.00
		1	49	19.79	19.95	20.04	21.00
		25	0	19.82	19.89	19.87	21.00
		25	13	19.85	19.97	19.93	21.00
		25	25	19.89	20.01	20.05	21.00
		50	0	19.78	20.02	19.98	21.00
	256QAM	1	0	18.14	18.28	18.23	19.00
		1	25	18.04	18.25	18.12	19.00
		1	49	18.17	18.24	18.11	19.00
		25	0	18.20	18.21	18.11	19.00
		25	13	18.03	18.28	18.21	19.00
		25	25	18.19	18.21	18.14	19.00
		50	0	18.09	18.30	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	20.07	20.17	20.12	21.00
		1	38	19.76	19.99	19.92	21.00
		1	74	19.80	19.98	19.98	21.00
		36	0	20.04	20.12	20.04	21.00
		36	18	19.85	19.93	19.92	21.00
		36	39	19.85	20.04	20.01	21.00
		75	0	19.79	20.01	19.92	21.00
	16QAM	1	0	19.79	19.97	19.99	21.00
		1	38	19.80	19.97	19.98	21.00
		1	74	19.91	20.00	20.00	21.00
		36	0	19.89	19.89	19.99	21.00
		36	18	19.82	19.97	20.00	21.00
		36	39	19.87	20.07	19.93	21.00
		75	0	19.89	19.98	19.93	21.00
	64QAM	1	0	19.80	20.00	19.86	21.00
		1	38	19.83	20.00	19.97	21.00
		1	74	19.85	19.96	19.95	21.00
		36	0	19.85	19.89	19.85	21.00
		36	18	19.96	19.93	19.90	21.00
		36	39	19.87	20.07	20.03	21.00
		75	0	19.76	20.00	19.98	21.00
	256QAM	1	0	18.03	18.26	18.13	19.00
		1	38	18.14	18.23	18.21	19.00
		1	74	18.13	18.20	18.21	19.00
		36	0	18.07	18.30	18.14	19.00
		36	18	18.04	18.19	18.22	19.00
		36	39	18.17	18.24	18.15	19.00
		75	0	18.05	18.29	18.26	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	20.19	20.36	20.28	21.00
		1	50	19.99	20.14	20.16	21.00
		1	99	20.01	20.19	20.13	21.00
		50	0	20.17	20.31	20.19	21.00
		50	25	20.08	20.16	20.16	21.00
		50	50	20.03	20.23	20.14	21.00
		100	0	19.99	20.19	20.14	21.00



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	16QAM	1	0	19.99	20.21	20.17	21.00
		1	50	20.05	20.21	20.16	21.00
		1	99	20.10	20.21	20.20	21.00
		50	0	20.05	20.14	20.14	21.00
		50	25	20.03	20.14	20.16	21.00
		50	50	19.99	20.21	20.09	21.00
		100	0	20.03	20.11	20.16	21.00
	64QAM	1	0	20.05	20.15	20.10	21.00
		1	50	20.08	20.18	20.09	21.00
		1	99	19.98	20.19	20.18	21.00
		50	0	20.06	20.13	20.09	21.00
		50	25	20.09	20.14	20.14	21.00
		50	50	20.06	20.19	20.21	21.00
		100	0	19.99	20.24	20.19	21.00
	256QAM	1	0	18.41	18.62	18.51	19.00
		1	50	18.40	18.61	18.51	19.00
		1	99	18.47	18.59	18.51	19.00
		50	0	18.45	18.58	18.51	19.00
		50	25	18.40	18.54	18.49	19.00
		50	50	18.45	18.52	18.49	19.00
		100	0	18.40	18.61	18.52	19.00

LTE Band 7 Ant1 Body Sensor off				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	23.08	23.30	23.23	24.00
		1	13	22.97	23.07	23.04	24.00
		1	24	23.02	23.18	23.16	24.00
		12	0	23.14	23.32	23.20	24.00
		12	6	23.07	23.14	23.05	24.00
		12	13	23.02	23.19	23.18	24.00
		25	0	22.08	22.13	22.10	23.00
	16QAM	1	0	22.10	22.32	22.23	23.00
		1	13	22.09	22.23	22.15	23.00
		1	24	22.06	22.22	22.18	23.00
		12	0	22.10	22.28	22.27	23.00
		12	6	22.05	22.28	22.29	23.00
		12	13	22.10	22.28	22.16	23.00
		25	0	21.15	21.16	21.20	22.00
	64QAM	1	0	21.05	21.17	21.13	22.00
		1	13	21.05	21.20	21.12	22.00
		1	24	21.15	21.35	21.16	22.00
		12	0	21.10	21.25	21.29	22.00
		12	6	21.04	21.28	21.18	22.00
		12	13	21.01	21.24	21.23	22.00
		25	0	19.81	20.03	20.04	21.00
	256QAM	1	0	18.11	18.25	18.19	19.00
		1	13	18.13	18.36	18.12	19.00
		1	24	18.20	18.31	18.25	19.00
		12	0	18.08	18.20	18.25	19.00
		12	6	18.15	18.29	18.17	19.00
		12	13	18.10	18.18	18.14	19.00
		25	0	18.03	18.23	18.23	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	



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10MHz	QPSK	1	0	23.08	23.27	23.13	24.00
		1	25	23.05	23.10	23.15	24.00
		1	49	22.99	23.08	23.05	24.00
		25	0	22.09	22.22	22.27	23.00
		25	13	22.03	22.22	22.31	23.00
		25	25	22.05	22.20	22.19	23.00
		50	0	22.06	22.27	22.23	23.00
	16QAM	1	0	22.13	22.28	22.14	23.00
		1	25	22.02	22.33	22.18	23.00
		1	49	22.10	22.31	22.26	23.00
		25	0	21.05	21.23	21.20	22.00
		25	13	21.08	21.27	21.20	22.00
		25	25	21.15	21.22	21.10	22.00
		50	0	21.04	21.14	21.11	22.00
	64QAM	1	0	21.03	21.28	21.13	22.00
		1	25	21.08	21.17	21.20	22.00
		1	49	21.11	21.37	21.23	22.00
		25	0	19.82	19.89	19.87	21.00
		25	13	19.85	19.97	19.93	21.00
		25	25	19.89	20.01	20.05	21.00
		50	0	19.78	20.02	19.98	21.00
	256QAM	1	0	18.14	18.28	18.23	19.00
		1	25	18.04	18.25	18.12	19.00
		1	49	18.17	18.24	18.11	19.00
		25	0	18.20	18.21	18.11	19.00
		25	13	18.03	18.28	18.21	19.00
		25	25	18.19	18.21	18.14	19.00
		50	0	18.09	18.30	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	23.15	23.28	23.27	24.00
		1	38	23.07	23.16	23.04	24.00
		1	74	23.01	23.10	23.10	24.00
		36	0	22.08	22.30	22.21	23.00
		36	18	22.11	22.17	22.17	23.00
		36	39	22.03	22.24	22.27	23.00
		75	0	22.10	22.15	22.22	23.00
	16QAM	1	0	22.07	22.27	22.14	23.00
		1	38	22.07	22.29	22.17	23.00
		1	74	22.12	22.26	22.26	23.00
		36	0	21.08	21.31	21.16	22.00
		36	18	21.03	21.30	21.18	22.00
		36	39	21.09	21.22	21.15	22.00
		75	0	21.03	21.19	21.11	22.00
	64QAM	1	0	21.13	21.24	21.13	22.00
		1	38	21.05	21.16	21.10	22.00
		1	74	21.12	21.37	21.22	22.00
		36	0	19.85	19.89	19.85	21.00
		36	18	19.96	19.93	19.90	21.00
		36	39	19.87	20.07	20.03	21.00
		75	0	19.76	20.00	19.98	21.00
	256QAM	1	0	18.03	18.26	18.13	19.00
		1	38	18.14	18.23	18.21	19.00
		1	74	18.13	18.20	18.21	19.00
		36	0	18.07	18.30	18.14	19.00
		36	18	18.04	18.19	18.22	19.00



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		36	39	18.17	18.24	18.15	19.00
		75	0	18.05	18.29	18.26	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	23.42	23.57	23.52	24.00
		1	50	23.33	23.44	23.43	24.00
		1	99	23.32	23.47	23.43	24.00
		50	0	22.41	22.61	22.56	23.00
		50	25	22.38	22.53	22.57	23.00
		50	50	22.42	22.57	22.54	23.00
		100	0	22.44	22.53	22.50	23.00
	16QAM	1	0	22.41	22.57	22.53	23.00
		1	50	22.38	22.58	22.54	23.00
		1	99	22.39	22.56	22.53	23.00
		50	0	21.38	21.61	21.56	22.00
		50	25	21.41	21.57	21.55	22.00
		50	50	21.40	21.58	21.48	22.00
		100	0	21.40	21.53	21.49	22.00
	64QAM	1	0	21.41	21.57	21.51	22.00
		1	50	21.41	21.53	21.50	22.00
		1	99	21.41	21.63	21.53	22.00
		50	0	20.06	20.13	20.09	21.00
		50	25	20.09	20.14	20.14	21.00
		50	50	20.06	20.19	20.21	21.00
		100	0	19.99	20.24	20.19	21.00
	256QAM	1	0	18.41	18.62	18.51	19.00
		1	50	18.40	18.61	18.51	19.00
		1	99	18.47	18.59	18.51	19.00
		50	0	18.45	18.58	18.51	19.00
		50	25	18.40	18.54	18.49	19.00
		50	50	18.45	18.52	18.49	19.00
		100	0	18.40	18.61	18.52	19.00

LTE FDD Band 12 Ant7 Head&Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	21.99	22.09	22.03	23.00
		1	2	21.87	21.98	21.91	23.00
		1	5	21.92	21.93	21.86	23.00
		3	0	21.95	22.05	22.01	23.00
		3	2	21.84	21.96	21.90	23.00
		3	3	21.87	21.97	21.90	23.00
		6	0	21.96	22.05	22.01	23.00
	16QAM	1	0	21.87	21.98	21.86	23.00
		1	2	21.84	21.91	21.91	23.00
		1	5	21.90	21.98	21.94	23.00
		3	0	21.89	21.97	21.84	23.00
		3	2	21.84	21.97	21.87	23.00
		3	3	21.90	21.92	21.82	23.00
		6	0	21.43	21.46	21.44	22.00
	64QAM	1	0	21.31	21.37	21.42	22.00
		1	2	21.39	21.40	21.39	22.00
		1	5	21.27	21.49	21.40	22.00
		3	0	21.36	21.49	21.38	22.00
		3	2	21.31	21.45	21.33	22.00



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		3	3	21.35	21.39	21.39	22.00
		6	0	20.29	20.45	20.39	21.00
	64QAM	1	0	18.29	18.46	18.43	19.00
		1	2	18.32	18.40	18.31	19.00
		1	5	18.34	18.48	18.37	19.00
		3	0	18.34	18.53	18.46	19.00
		3	2	18.33	18.40	18.30	19.00
		3	3	18.26	18.44	18.48	19.00
		6	0	18.33	18.38	18.30	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	21.97	22.11	22.00	23.00
		1	7	21.88	22.02	21.94	23.00
		1	14	21.84	21.92	21.86	23.00
		8	0	21.93	22.07	22.03	23.00
		8	4	21.85	22.03	21.81	23.00
		8	7	21.91	21.94	21.88	23.00
		15	0	21.88	22.00	22.02	23.00
	16QAM	1	0	21.90	21.93	21.86	23.00
		1	7	21.84	21.96	21.87	23.00
		1	14	21.88	21.90	21.87	23.00
		8	0	21.39	21.52	21.43	22.00
		8	4	21.31	21.36	21.31	22.00
		8	7	21.29	21.51	21.47	22.00
		15	0	21.39	21.48	21.40	22.00
	64QAM	1	0	21.35	21.50	21.47	22.00
		1	7	21.35	21.45	21.50	22.00
		1	14	21.40	21.53	21.43	22.00
		8	0	20.42	20.47	20.36	21.00
		8	4	20.31	20.36	20.38	21.00
		8	7	20.28	20.44	20.37	21.00
		15	0	20.28	20.41	20.34	21.00
	256QAM	1	0	18.27	18.34	18.39	19.00
		1	7	18.35	18.43	18.28	19.00
		1	14	18.36	18.43	18.41	19.00
		8	0	18.29	18.53	18.37	19.00
		8	4	18.35	18.37	18.29	19.00
		8	7	18.36	18.45	18.43	19.00
		15	0	18.39	18.46	18.40	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	21.94	22.04	21.96	23.00
		1	13	21.84	21.98	21.92	23.00
		1	24	21.86	21.96	21.86	23.00
		12	0	21.94	22.06	22.03	23.00
		12	6	21.82	22.01	21.89	23.00
		12	13	21.87	21.98	21.87	23.00
		25	0	21.88	21.99	22.01	23.00
	16QAM	1	0	21.90	21.94	21.80	23.00
		1	13	21.79	22.01	21.82	23.00
		1	24	21.88	21.88	21.82	23.00
		12	0	21.32	21.45	21.39	22.00
		12	6	21.41	21.35	21.33	22.00
		12	13	21.30	21.40	21.39	22.00
		25	0	21.39	21.50	21.44	22.00
	64QAM	1	0	21.26	21.44	21.47	22.00



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		1	13	21.46	21.52	21.41	22.00
		1	24	21.27	21.55	21.38	22.00
		12	0	20.33	20.56	20.48	21.00
		12	6	20.29	20.34	20.30	21.00
		12	13	20.33	20.42	20.35	21.00
		25	0	20.35	20.41	20.40	21.00
	256QAM	1	0	18.31	18.33	18.29	19.00
		1	13	18.40	18.44	18.34	19.00
		1	24	18.33	18.41	18.44	19.00
		12	0	18.34	18.42	18.48	19.00
		12	6	18.34	18.44	18.37	19.00
		12	13	18.27	18.39	18.45	19.00
		25	0	18.42	18.34	18.42	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	22.16	22.28	22.21	23.00
		1	25	22.08	22.19	22.11	23.00
		1	49	22.09	22.14	22.07	23.00
		25	0	22.13	22.24	22.22	23.00
		25	13	22.07	22.21	22.05	23.00
		25	25	22.08	22.15	22.07	23.00
		50	0	22.10	22.22	22.19	23.00
	16QAM	1	0	22.10	22.13	22.04	23.00
		1	25	22.02	22.20	22.05	23.00
		1	49	22.06	22.12	22.05	23.00
		25	0	21.70	21.81	21.72	22.00
		25	13	21.67	21.73	21.67	22.00
		25	25	21.64	21.77	21.75	22.00
		50	0	21.68	21.77	21.72	22.00
	64QAM	1	0	21.62	21.76	21.73	22.00
		1	25	21.71	21.80	21.77	22.00
		1	49	21.67	21.80	21.77	22.00
		25	0	20.68	20.82	20.75	21.00
		25	13	20.69	20.74	20.69	21.00
		25	25	20.68	20.81	20.75	21.00
		50	0	20.61	20.72	20.71	21.00
	256QAM	1	0	18.67	18.72	18.68	19.00
		1	25	18.70	18.72	18.67	19.00
		1	49	18.70	18.76	18.75	19.00
		25	0	18.69	18.80	18.76	19.00
		25	13	18.65	18.74	18.68	19.00
		25	25	18.62	18.76	18.76	19.00
		50	0	18.70	18.73	18.69	19.00

LTE FDD Band 12 Ant7 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	23.25	23.45	23.33	24.00
		1	2	23.22	23.35	23.24	24.00
		1	5	23.28	23.33	23.22	24.00
		3	0	23.39	23.44	23.46	24.00
		3	2	23.18	23.33	23.33	24.00
		3	3	23.26	23.27	23.24	24.00
		6	0	22.36	22.45	22.41	23.00
	16QAM	1	0	22.32	22.49	22.31	23.00



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		1	2	22.38	22.46	22.50	23.00
		1	5	22.33	22.45	22.48	23.00
		3	0	22.24	22.54	22.34	23.00
		3	2	22.31	22.38	22.36	23.00
		3	3	22.39	22.46	22.44	23.00
		6	0	21.43	21.46	21.44	22.00
	64QAM	1	0	21.31	21.37	21.42	22.00
		1	2	21.39	21.40	21.39	22.00
		1	5	21.27	21.49	21.40	22.00
		3	0	21.36	21.49	21.38	22.00
		3	2	21.31	21.45	21.33	22.00
		3	3	21.35	21.39	21.39	22.00
	64QAM	6	0	20.29	20.45	20.39	21.00
		1	0	18.29	18.46	18.43	19.00
		1	2	18.32	18.40	18.31	19.00
		1	5	18.34	18.48	18.37	19.00
		3	0	18.34	18.53	18.46	19.00
		3	2	18.33	18.40	18.30	19.00
		3	3	18.26	18.44	18.48	19.00
		6	0	18.33	18.38	18.30	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	23.33	23.47	23.34	24.00
		1	7	23.25	23.33	23.26	24.00
		1	14	23.30	23.35	23.25	24.00
		8	0	22.31	22.52	22.40	23.00
		8	4	22.34	22.33	22.50	23.00
		8	7	22.39	22.43	22.42	23.00
		15	0	22.42	22.39	22.35	23.00
	16QAM	1	0	22.42	22.38	22.30	23.00
		1	7	22.38	22.50	22.39	23.00
		1	14	22.35	22.50	22.41	23.00
		8	0	21.39	21.52	21.43	22.00
		8	4	21.31	21.36	21.31	22.00
		8	7	21.29	21.51	21.47	22.00
		15	0	21.39	21.48	21.40	22.00
	64QAM	1	0	21.35	21.50	21.47	22.00
		1	7	21.35	21.45	21.50	22.00
		1	14	21.40	21.53	21.43	22.00
		8	0	20.42	20.47	20.36	21.00
		8	4	20.31	20.36	20.38	21.00
		8	7	20.28	20.44	20.37	21.00
		15	0	20.28	20.41	20.34	21.00
	256QAM	1	0	18.27	18.34	18.39	19.00
		1	7	18.35	18.43	18.28	19.00
		1	14	18.36	18.43	18.41	19.00
		8	0	18.29	18.53	18.37	19.00
		8	4	18.35	18.37	18.29	19.00
		8	7	18.36	18.45	18.43	19.00
		15	0	18.39	18.46	18.40	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	23.32	23.45	23.35	24.00
		1	13	23.23	23.41	23.22	24.00
		1	24	23.26	23.35	23.22	24.00
		12	0	22.22	22.48	22.35	23.00



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		12	6	22.38	22.42	22.37	23.00
		12	13	22.42	22.38	22.30	23.00
		25	0	22.41	22.36	22.30	23.00
	16QAM	1	0	22.40	22.41	22.31	23.00
		1	13	22.38	22.50	22.36	23.00
		1	24	22.42	22.47	22.41	23.00
		12	0	21.32	21.45	21.39	22.00
		12	6	21.41	21.35	21.33	22.00
		12	13	21.30	21.40	21.39	22.00
		25	0	21.39	21.50	21.44	22.00
		1	0	21.26	21.44	21.47	22.00
	64QAM	1	13	21.46	21.52	21.41	22.00
		1	24	21.27	21.55	21.38	22.00
		12	0	20.33	20.56	20.48	21.00
		12	6	20.29	20.34	20.30	21.00
		12	13	20.33	20.42	20.35	21.00
		25	0	20.35	20.41	20.40	21.00
		1	0	18.31	18.33	18.29	19.00
	256QAM	1	13	18.40	18.44	18.34	19.00
		1	24	18.33	18.41	18.44	19.00
		12	0	18.34	18.42	18.48	19.00
		12	6	18.34	18.44	18.37	19.00
		12	13	18.27	18.39	18.45	19.00
		25	0	18.42	18.34	18.42	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	23.65	23.76	23.72	24.00
		1	25	23.57	23.67	23.59	24.00
		1	49	23.55	23.66	23.59	24.00
		25	0	22.61	22.81	22.70	23.00
		25	13	22.63	22.72	22.75	23.00
		25	25	22.67	22.72	22.69	23.00
		50	0	22.70	22.75	22.69	23.00
	16QAM	1	0	22.68	22.74	22.69	23.00
		1	25	22.70	22.80	22.75	23.00
		1	49	22.71	22.77	22.76	23.00
		25	0	21.70	21.81	21.72	22.00
		25	13	21.67	21.73	21.67	22.00
		25	25	21.64	21.77	21.75	22.00
		50	0	21.68	21.77	21.72	22.00
	64QAM	1	0	21.62	21.76	21.73	22.00
		1	25	21.71	21.80	21.77	22.00
		1	49	21.67	21.80	21.77	22.00
		25	0	20.68	20.82	20.75	21.00
		25	13	20.69	20.74	20.69	21.00
		25	25	20.68	20.81	20.75	21.00
		50	0	20.61	20.72	20.71	21.00
	256QAM	1	0	18.67	18.72	18.68	19.00
		1	25	18.70	18.72	18.67	19.00
		1	49	18.70	18.76	18.75	19.00
		25	0	18.69	18.80	18.76	19.00
		25	13	18.65	18.74	18.68	19.00
		25	25	18.62	18.76	18.76	19.00
		50	0	18.70	18.73	18.69	19.00



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LTE FDD Band 13 Ant7 Head&Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	21.66	21.82	21.75	23.00
		1	13	21.73	21.84	21.67	23.00
		1	24	21.67	21.82	21.73	23.00
		12	0	21.81	21.84	21.74	23.00
		12	6	21.75	21.83	21.71	23.00
		12	13	21.67	21.85	21.65	23.00
		25	0	21.82	21.79	21.77	23.00
	16QAM	1	0	21.71	21.77	21.70	23.00
		1	13	21.59	21.82	21.65	23.00
		1	24	21.73	21.77	21.69	23.00
		12	0	21.80	21.81	21.79	23.00
		12	6	21.73	21.79	21.71	23.00
		12	13	21.61	21.79	21.67	23.00
		25	0	21.25	21.41	21.37	22.00
	64QAM	1	0	21.29	21.46	21.36	22.00
		1	13	21.19	21.44	21.18	22.00
		1	24	21.28	21.35	21.38	22.00
		12	0	21.28	21.45	21.25	22.00
		12	6	21.33	21.51	21.28	22.00
		12	13	21.31	21.29	21.26	22.00
		25	0	20.35	20.50	20.25	21.00
	64QAM	1	0	18.30	18.36	18.39	19.00
		1	13	18.25	18.39	18.34	19.00
		1	24	18.36	18.44	18.30	19.00
		12	0	18.29	18.39	18.23	19.00
		12	6	18.38	18.40	18.19	19.00
		12	13	18.25	18.44	18.30	19.00
		25	0	18.28	18.39	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	22.19	/	23.00
		1	25	/	22.08	/	23.00
		1	49	/	22.10	/	23.00
		25	0	/	22.18	/	23.00
		25	13	/	22.12	/	23.00
		25	25	/	22.04	/	23.00
		50	0	/	22.10	/	23.00
	16QAM	1	0	/	22.10	/	23.00
		1	25	/	22.05	/	23.00
		1	49	/	22.10	/	23.00
		25	0	/	21.55	/	22.00
		25	13	/	21.61	/	22.00
		25	25	/	21.69	/	22.00
		50	0	/	21.65	/	22.00
	64QAM	1	0	/	21.70	/	22.00
		1	25	/	21.70	/	22.00
		1	49	/	21.60	/	22.00
		25	0	/	20.61	/	21.00
		25	13	/	20.74	/	21.00
		25	25	/	20.66	/	21.00
		50	0	/	20.72	/	21.00
	256QAM	1	0	/	18.69	/	19.00



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		1	25	/	18.69	/	19.00
		1	49	/	18.60	/	19.00
		25	0	/	18.64	/	19.00
		25	13	/	18.64	/	19.00
		25	25	/	18.68	/	19.00
		50	0	/	18.62	/	19.00

LTE FDD Band 13 Ant7 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23205	23230	23255	
5MHz	QPSK	1	0	23.20	23.35	23.22	24.00
		1	13	23.20	23.34	23.21	24.00
		1	24	23.19	23.30	23.23	24.00
		12	0	23.28	23.32	23.28	24.00
		12	6	23.23	23.29	23.20	24.00
		12	13	23.14	23.33	23.16	24.00
		25	0	22.20	22.32	22.32	23.00
	16QAM	1	0	22.26	22.37	22.24	23.00
		1	13	22.25	22.28	22.21	23.00
		1	24	22.28	22.30	22.25	23.00
		12	0	22.31	22.33	22.24	23.00
		12	6	22.28	22.41	22.26	23.00
		12	13	22.19	22.39	22.24	23.00
		25	0	21.25	21.41	21.37	22.00
	64QAM	1	0	21.29	21.46	21.36	22.00
		1	13	21.19	21.44	21.18	22.00
		1	24	21.28	21.35	21.38	22.00
		12	0	21.28	21.45	21.25	22.00
		12	6	21.33	21.51	21.28	22.00
		12	13	21.31	21.29	21.26	22.00
		25	0	20.35	20.50	20.25	21.00
	64QAM	1	0	18.30	18.36	18.39	19.00
		1	13	18.25	18.39	18.34	19.00
		1	24	18.36	18.44	18.30	19.00
		12	0	18.29	18.39	18.23	19.00
		12	6	18.38	18.40	18.19	19.00
		12	13	18.25	18.44	18.30	19.00
		25	0	18.28	18.39	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	23.65	/	24.00
		1	25	/	23.58	/	24.00
		1	49	/	23.57	/	24.00
		25	0	/	22.69	/	23.00
		25	13	/	22.68	/	23.00
		25	25	/	22.63	/	23.00
		50	0	/	22.66	/	23.00
	16QAM	1	0	/	22.66	/	23.00
		1	25	/	22.62	/	23.00
		1	49	/	22.65	/	23.00
		25	0	/	21.55	/	22.00
		25	13	/	21.61	/	22.00
		25	25	/	21.69	/	22.00
		50	0	/	21.65	/	22.00



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	64QAM	1	0	/	21.70	/	22.00
		1	25	/	21.70	/	22.00
		1	49	/	21.60	/	22.00
		25	0	/	20.61	/	21.00
		25	13	/	20.74	/	21.00
		25	25	/	20.66	/	21.00
		50	0	/	20.72	/	21.00
	256QAM	1	0	/	18.69	/	19.00
		1	25	/	18.69	/	19.00
		1	49	/	18.60	/	19.00
		25	0	/	18.64	/	19.00
		25	13	/	18.64	/	19.00
		25	25	/	18.68	/	19.00
		50	0	/	18.62	/	19.00

LTE FDD Band 14 Ant7 Head&Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	21.76	21.87	21.80	23.00
		1	13	21.62	21.75	21.65	23.00
		1	24	21.75	21.78	21.72	23.00
		12	0	21.73	21.81	21.79	23.00
		12	6	21.64	21.75	21.70	23.00
		12	13	21.67	21.69	21.67	23.00
		25	0	21.75	21.88	21.83	23.00
	16QAM	1	0	21.75	21.82	21.79	23.00
		1	13	21.59	21.80	21.59	23.00
		1	24	21.69	21.83	21.68	23.00
		12	0	21.75	21.77	21.76	23.00
		12	6	21.58	21.68	21.64	23.00
		12	13	21.69	21.76	21.64	23.00
		25	0	21.38	21.38	21.28	22.00
	64QAM	1	0	21.33	21.41	21.26	22.00
		1	13	21.24	21.43	21.26	22.00
		1	24	21.33	21.46	21.27	22.00
		12	0	21.29	21.40	21.28	22.00
		12	6	21.27	21.42	21.22	22.00
		12	13	21.30	21.25	21.36	22.00
		25	0	20.35	20.40	20.34	21.00
	256QAM	1	0	18.21	18.31	18.38	19.00
		1	13	18.20	18.33	18.24	19.00
		1	24	18.31	18.34	18.18	19.00
		12	0	18.26	18.41	18.21	19.00
		12	6	18.32	18.41	18.32	19.00
		12	13	18.27	18.35	18.23	19.00
		25	0	18.24	18.43	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	/	22.27	/	23.00
		1	25	/	22.11	/	23.00
		1	49	/	22.03	/	23.00
		25	0	/	22.21	/	23.00
		25	13	/	22.06	/	23.00
		25	25	/	22.11	/	23.00
		25	25	/	22.11	/	23.00



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	16QAM	50	0	/	22.08	/	23.00
		1	0	/	22.09	/	23.00
		1	25	/	22.07	/	23.00
		1	49	/	22.05	/	23.00
		25	0	/	21.74	/	22.00
		25	13	/	21.61	/	22.00
		25	25	/	21.60	/	22.00
	64QAM	50	0	/	21.65	/	22.00
		1	0	/	21.62	/	22.00
		1	25	/	21.65	/	22.00
		1	49	/	21.71	/	22.00
		25	0	/	20.82	/	21.00
		25	13	/	20.74	/	21.00
		25	25	/	20.66	/	21.00
	256QAM	50	0	/	20.68	/	21.00
		1	0	/	18.67	/	19.00
		1	25	/	18.61	/	19.00
		1	49	/	18.61	/	19.00
		25	0	/	18.81	/	19.00
		25	13	/	18.71	/	19.00
		25	25	/	18.61	/	19.00
		50	0	/	18.64	/	19.00

LTE FDD Band 14 Ant7 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23305	23330	23355	
5MHz	QPSK	1	0	23.23	23.36	23.32	24.00
		1	13	23.12	23.29	23.14	24.00
		1	24	23.24	23.30	23.18	24.00
		12	0	23.23	23.31	23.28	24.00
		12	6	23.10	23.23	23.17	24.00
		12	13	23.17	23.23	23.14	24.00
		25	0	22.30	22.36	22.18	23.00
	16QAM	1	0	22.30	22.37	22.26	23.00
		1	13	22.29	22.37	22.17	23.00
		1	24	22.22	22.41	22.21	23.00
		12	0	22.33	22.33	22.20	23.00
		12	6	22.29	22.41	22.25	23.00
		12	13	22.18	22.33	22.24	23.00
		25	0	21.38	21.38	21.28	22.00
	64QAM	1	0	21.33	21.41	21.26	22.00
		1	13	21.24	21.43	21.26	22.00
		1	24	21.33	21.46	21.27	22.00
		12	0	21.29	21.40	21.28	22.00
		12	6	21.27	21.42	21.22	22.00
		12	13	21.30	21.25	21.36	22.00
		25	0	20.35	20.40	20.34	21.00
	256QAM	1	0	18.21	18.31	18.38	19.00
		1	13	18.20	18.33	18.24	19.00
		1	24	18.31	18.34	18.18	19.00
		12	0	18.26	18.41	18.21	19.00
		12	6	18.32	18.41	18.32	19.00
		12	13	18.27	18.35	18.23	19.00
		25	0	18.24	18.43	18.20	19.00

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	23330	/	
10MHz	QPSK	1	0	/	23.68	/	24.00
		1	25	/	23.59	/	24.00
		1	49	/	23.57	/	24.00
		25	0	/	22.71	/	23.00
		25	13	/	22.62	/	23.00
		25	25	/	22.65	/	23.00
		50	0	/	22.66	/	23.00
	16QAM	1	0	/	22.66	/	23.00
		1	25	/	22.60	/	23.00
		1	49	/	22.62	/	23.00
		25	0	/	21.74	/	22.00
		25	13	/	21.61	/	22.00
		25	25	/	21.60	/	22.00
		50	0	/	21.65	/	22.00
	64QAM	1	0	/	21.62	/	22.00
		1	25	/	21.65	/	22.00
		1	49	/	21.71	/	22.00
		25	0	/	20.82	/	21.00
		25	13	/	20.74	/	21.00
		25	25	/	20.66	/	21.00
		50	0	/	20.68	/	21.00
	256QAM	1	0	/	18.67	/	19.00
		1	25	/	18.61	/	19.00
		1	49	/	18.61	/	19.00
		25	0	/	18.81	/	19.00
		25	13	/	18.71	/	19.00
		25	25	/	18.61	/	19.00
		50	0	/	18.64	/	19.00

LTE FDD Band 17 Ant7 Head&Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	21.88	22.01	21.82	23.00
		1	13	21.78	21.94	21.81	23.00
		1	24	21.79	21.98	21.85	23.00
		12	0	21.92	22.00	21.86	23.00
		12	6	21.78	21.99	21.80	23.00
		12	13	21.75	21.90	21.83	23.00
		25	0	21.89	22.03	21.85	23.00
	16QAM	1	0	21.74	21.85	21.74	23.00
		1	13	21.82	21.92	21.74	23.00
		1	24	21.81	21.98	21.80	23.00
		12	0	21.85	22.01	21.90	23.00
		12	6	21.70	21.95	21.82	23.00
		12	13	21.76	21.88	21.80	23.00
		25	0	21.34	21.44	21.26	22.00
	64QAM	1	0	21.24	21.34	21.34	22.00
		1	13	21.25	21.47	21.29	22.00
		1	24	21.32	21.44	21.25	22.00
		12	0	21.20	21.40	21.25	22.00
		12	6	21.31	21.51	21.35	22.00
		12	13	21.35	21.36	21.24	22.00
		25	0	20.31	20.51	20.21	21.00



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		1	0	18.19	18.31	18.38	19.00
		1	13	18.24	18.41	18.30	19.00
		1	24	18.40	18.40	18.29	19.00
	64QAM	12	0	18.33	18.38	18.23	19.00
		12	6	18.35	18.46	18.26	19.00
		12	13	18.17	18.44	18.36	19.00
		25	0	18.17	18.39	18.18	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	22.11	22.25	22.06	23.00
		1	25	21.98	22.15	21.99	23.00
		1	49	22.00	22.14	22.02	23.00
		25	0	22.12	22.23	22.05	23.00
		25	13	21.95	22.10	21.97	23.00
		25	25	22.00	22.12	21.98	23.00
		50	0	22.06	22.21	22.05	23.00
	16QAM	1	0	22.05	22.17	22.06	23.00
		1	25	21.94	22.14	22.01	23.00
		1	49	21.97	22.11	22.01	23.00
		25	0	21.58	21.71	21.56	22.00
		25	13	21.59	21.76	21.60	22.00
		25	25	21.61	21.64	21.62	22.00
		50	0	21.65	21.75	21.65	22.00
	64QAM	1	0	21.60	21.73	21.64	22.00
		1	25	21.56	21.72	21.54	22.00
		1	49	21.59	21.73	21.63	22.00
		25	0	20.63	20.74	20.65	21.00
		25	13	20.63	20.64	20.59	21.00
		25	25	20.63	20.75	20.60	21.00
		50	0	20.65	20.76	20.60	21.00
	256QAM	1	0	18.59	18.67	18.64	19.00
		1	25	18.58	18.69	18.63	19.00
		1	49	18.66	18.72	18.58	19.00
		25	0	18.59	18.74	18.61	19.00
		25	13	18.66	18.75	18.57	19.00
		25	25	18.55	18.72	18.63	19.00
		50	0	18.56	18.72	18.58	19.00

LTE FDD Band 17 Ant7 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	23.33	23.41	23.22	24.00
		1	13	23.18	23.27	23.24	24.00
		1	24	23.16	23.24	23.19	24.00
		12	0	23.30	23.35	23.31	24.00
		12	6	23.21	23.30	23.12	24.00
		12	13	23.23	23.28	23.13	24.00
		25	0	22.25	22.34	22.20	23.00
	16QAM	1	0	22.23	22.34	22.26	23.00
		1	13	22.25	22.36	22.23	23.00
		1	24	22.29	22.37	22.28	23.00
		12	0	22.21	22.44	22.19	23.00
		12	6	22.26	22.41	22.26	23.00
		12	13	22.30	22.39	22.31	23.00



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	64QAM	25	0	21.34	21.44	21.26	22.00
		1	0	21.24	21.34	21.34	22.00
		1	13	21.25	21.47	21.29	22.00
		1	24	21.32	21.44	21.25	22.00
		12	0	21.20	21.40	21.25	22.00
		12	6	21.31	21.51	21.35	22.00
		12	13	21.35	21.36	21.24	22.00
	64QAM	25	0	20.31	20.51	20.21	21.00
		1	0	18.19	18.31	18.38	19.00
		1	13	18.24	18.41	18.30	19.00
		1	24	18.40	18.40	18.29	19.00
		12	0	18.33	18.38	18.23	19.00
		12	6	18.35	18.46	18.26	19.00
		12	13	18.17	18.44	18.36	19.00
		25	0	18.17	18.39	18.18	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	23.59	23.69	23.58	24.00
		1	25	23.49	23.61	23.50	24.00
		1	49	23.51	23.62	23.52	24.00
		25	0	22.60	22.70	22.57	23.00
		25	13	22.62	22.69	22.60	23.00
		25	25	22.55	22.67	22.59	23.00
		50	0	22.58	22.65	22.57	23.00
	16QAM	1	0	22.57	22.69	22.54	23.00
		1	25	22.63	22.67	22.56	23.00
		1	49	22.54	22.67	22.60	23.00
		25	0	21.58	21.71	21.56	22.00
		25	13	21.59	21.76	21.60	22.00
		25	25	21.61	21.64	21.62	22.00
		50	0	21.65	21.75	21.65	22.00
	64QAM	1	0	21.60	21.73	21.64	22.00
		1	25	21.56	21.72	21.54	22.00
		1	49	21.59	21.73	21.63	22.00
		25	0	20.63	20.74	20.65	21.00
		25	13	20.63	20.64	20.59	21.00
		25	25	20.63	20.75	20.60	21.00
		50	0	20.65	20.76	20.60	21.00
	256QAM	1	0	18.59	18.67	18.64	19.00
		1	25	18.58	18.69	18.63	19.00
		1	49	18.66	18.72	18.58	19.00
		25	0	18.59	18.74	18.61	19.00
		25	13	18.66	18.75	18.57	19.00
		25	25	18.55	18.72	18.63	19.00
		50	0	18.56	18.72	18.58	19.00

LTE Band 25 Ant1 Head Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	20.36	20.57	20.45	21.00
		1	2	20.20	20.45	20.21	21.00
		1	5	20.22	20.46	20.18	21.00
		3	0	20.29	20.47	20.45	21.00
		3	2	20.24	20.41	20.14	21.00



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		3	3	20.30	20.46	20.23	21.00
		6	0	20.37	20.47	20.37	21.00
	16QAM	1	0	20.18	20.39	20.20	21.00
		1	2	20.34	20.40	20.26	21.00
		1	5	20.12	20.43	20.20	21.00
		3	0	20.20	20.47	20.18	21.00
		3	2	20.08	20.40	20.16	21.00
		3	3	20.20	20.45	20.21	21.00
		6	0	20.07	20.44	20.22	21.00
	64QAM	1	0	20.19	20.45	20.32	21.00
		1	2	20.20	20.37	20.23	21.00
		1	5	20.21	20.46	20.23	21.00
		3	0	20.21	20.54	20.32	21.00
		3	2	20.22	20.32	20.23	21.00
		3	3	20.19	20.49	20.29	21.00
		6	0	20.11	20.24	20.08	21.00
	256QAM	1	0	18.14	18.37	18.16	19.00
		1	2	18.26	18.47	18.24	19.00
		1	5	18.13	18.42	18.06	19.00
		3	0	18.24	18.32	18.16	19.00
		3	2	18.18	18.34	18.21	19.00
		3	3	18.21	18.40	18.26	19.00
		6	0	18.17	18.36	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	20.38	20.59	20.40	21.00
		1	7	20.12	20.47	20.14	21.00
		1	14	20.28	20.38	20.24	21.00
		8	0	20.26	20.46	20.39	21.00
		8	4	20.17	20.50	20.14	21.00
		8	7	20.26	20.50	20.25	21.00
		15	0	20.37	20.51	20.40	21.00
	16QAM	1	0	20.26	20.39	20.19	21.00
		1	7	20.25	20.32	20.23	21.00
		1	14	20.15	20.36	20.19	21.00
		8	0	20.17	20.38	20.26	21.00
		8	4	20.12	20.42	20.24	21.00
		8	7	20.14	20.52	20.21	21.00
		15	0	20.14	20.48	20.23	21.00
	64QAM	1	0	20.15	20.41	20.29	21.00
		1	7	20.11	20.36	20.24	21.00
		1	14	20.13	20.46	20.25	21.00
		8	0	20.19	20.40	20.17	21.00
		8	4	20.08	20.31	20.10	21.00
		8	7	20.09	20.26	20.11	21.00
		15	0	20.13	20.32	20.14	21.00
	256QAM	1	0	18.24	18.51	18.25	19.00
		1	7	18.13	18.32	18.12	19.00
		1	14	18.25	18.33	18.23	19.00
		8	0	18.15	18.32	18.17	19.00
		8	4	18.16	18.41	18.13	19.00
		8	7	18.20	18.39	18.25	19.00
		15	0	18.14	18.33	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	20.39	20.51	20.40	21.00



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		1	13	20.13	20.43	20.24	21.00
		1	24	20.26	20.42	20.18	21.00
		12	0	20.30	20.49	20.44	21.00
		12	6	20.21	20.49	20.25	21.00
		12	13	20.19	20.44	20.26	21.00
		25	0	20.30	20.46	20.31	21.00
	16QAM	1	0	20.20	20.40	20.27	21.00
		1	13	20.28	20.32	20.21	21.00
		1	24	20.14	20.43	20.18	21.00
		12	0	20.22	20.46	20.30	21.00
		12	6	20.08	20.43	20.22	21.00
		12	13	20.12	20.49	20.20	21.00
		25	0	20.11	20.49	20.16	21.00
	64QAM	1	0	20.17	20.51	20.31	21.00
		1	13	20.22	20.41	20.25	21.00
		1	24	20.16	20.43	20.26	21.00
		12	0	20.19	20.33	20.13	21.00
		12	6	20.13	20.26	20.17	21.00
		12	13	20.13	20.32	20.03	21.00
		25	0	20.11	20.34	20.17	21.00
	256QAM	1	0	18.22	18.50	18.22	19.00
		1	13	18.14	18.33	18.14	19.00
		1	24	18.18	18.36	18.14	19.00
		12	0	18.12	18.26	18.11	19.00
		12	6	18.21	18.35	18.17	19.00
		12	13	18.27	18.44	18.16	19.00
		25	0	18.23	18.34	18.10	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	20.42	20.51	20.40	21.00
		1	25	20.08	20.46	20.16	21.00
		1	49	20.22	20.38	20.20	21.00
		25	0	20.31	20.50	20.39	21.00
		25	13	20.22	20.49	20.19	21.00
		25	25	20.17	20.54	20.28	21.00
		50	0	20.32	20.45	20.38	21.00
	16QAM	1	0	20.26	20.40	20.21	21.00
		1	25	20.30	20.36	20.29	21.00
		1	49	20.08	20.41	20.14	21.00
		25	0	20.16	20.36	20.29	21.00
		25	13	20.09	20.45	20.17	21.00
		25	25	20.16	20.48	20.30	21.00
		50	0	20.17	20.39	20.15	21.00
	64QAM	1	0	20.23	20.45	20.26	21.00
		1	25	20.11	20.42	20.16	21.00
		1	49	20.22	20.42	20.26	21.00
		25	0	20.23	20.44	20.22	21.00
		25	13	20.07	20.32	20.08	21.00
		25	25	20.14	20.34	20.11	21.00
		50	0	20.11	20.31	20.14	21.00
	256QAM	1	0	18.21	18.50	18.30	19.00
		1	25	18.14	18.39	18.17	19.00
		1	49	18.15	18.34	18.11	19.00
		25	0	18.04	18.24	18.10	19.00
		25	13	18.20	18.43	18.24	19.00
		25	25	18.29	18.43	18.20	19.00
		50	0	18.18	18.31	18.15	19.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	20.36	20.57	20.46	21.00
		1	38	20.13	20.45	20.13	21.00
		1	74	20.26	20.43	20.24	21.00
		36	0	20.29	20.51	20.39	21.00
		36	18	20.19	20.50	20.25	21.00
		36	39	20.26	20.52	20.27	21.00
		75	0	20.38	20.48	20.36	21.00
	16QAM	1	0	20.17	20.46	20.18	21.00
		1	38	20.23	20.42	20.30	21.00
		1	74	20.14	20.40	20.14	21.00
		36	0	20.14	20.38	20.21	21.00
		36	18	20.11	20.36	20.18	21.00
		36	39	20.23	20.51	20.26	21.00
		75	0	20.10	20.48	20.25	21.00
	64QAM	1	0	20.23	20.51	20.24	21.00
		1	38	20.13	20.39	20.20	21.00
		1	74	20.22	20.50	20.21	21.00
		36	0	20.19	20.42	20.21	21.00
		36	18	20.12	20.27	20.10	21.00
		36	39	20.16	20.33	20.04	21.00
		75	0	20.08	20.35	20.09	21.00
	256QAM	1	0	18.32	18.45	18.31	19.00
		1	38	18.08	18.36	18.12	19.00
		1	74	18.17	18.41	18.14	19.00
		36	0	18.05	18.34	18.18	19.00
		36	18	18.15	18.35	18.24	19.00
		36	39	18.27	18.38	18.25	19.00
		75	0	18.15	18.35	18.17	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	20.53	20.66	20.56	21.00
		1	50	20.25	20.56	20.30	21.00
		1	99	20.35	20.52	20.34	21.00
		50	0	20.44	20.61	20.51	21.00
		50	25	20.34	20.56	20.31	21.00
		50	50	20.35	20.59	20.37	21.00
		100	0	20.44	20.59	20.48	21.00
	16QAM	1	0	20.34	20.54	20.34	21.00
		1	50	20.41	20.49	20.37	21.00
		1	99	20.26	20.53	20.31	21.00
		50	0	20.30	20.54	20.35	21.00
		50	25	20.24	20.53	20.32	21.00
		50	50	20.29	20.59	20.36	21.00
		100	0	20.22	20.55	20.32	21.00
	64QAM	1	0	20.29	20.59	20.38	21.00
		1	50	20.28	20.49	20.33	21.00
		1	99	20.30	20.58	20.36	21.00
		50	0	20.40	20.57	20.37	21.00
		50	25	20.27	20.49	20.30	21.00
		50	50	20.30	20.48	20.26	21.00
		100	0	20.33	20.51	20.33	21.00
	256QAM	1	0	18.45	18.69	18.46	19.00
		1	50	18.32	18.54	18.35	19.00
		1	99	18.40	18.58	18.36	19.00
		50	0	18.29	18.49	18.32	19.00



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		50	25	18.39	18.56	18.38	19.00
		50	50	18.44	18.61	18.41	19.00
		100	0	18.37	18.55	18.30	19.00

LTE Band 25 Ant1 Head Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	17.93	17.98	17.85	18.50
		1	2	17.66	17.88	17.62	18.50
		1	5	17.64	17.86	17.63	18.50
		3	0	17.83	17.93	17.78	18.50
		3	2	17.57	17.83	17.56	18.50
		3	3	17.69	17.85	17.63	18.50
		6	0	17.53	17.83	17.56	18.50
	16QAM	1	0	17.75	17.91	17.65	18.50
		1	2	17.50	17.87	17.60	18.50
		1	5	17.68	17.84	17.63	18.50
		3	0	17.54	17.95	17.63	18.50
		3	2	17.69	17.86	17.62	18.50
		3	3	17.52	17.81	17.69	18.50
		6	0	17.73	17.77	17.72	18.50
	64QAM	1	0	17.51	17.89	17.54	18.50
		1	2	17.63	17.82	17.64	18.50
		1	5	17.63	17.91	17.58	18.50
		3	0	17.74	17.87	17.65	18.50
		3	2	17.54	17.80	17.63	18.50
		3	3	17.60	17.83	17.59	18.50
		6	0	17.49	17.87	17.59	18.50
	256QAM	1	0	17.73	17.82	17.64	18.50
		1	2	17.60	17.88	17.63	18.50
		1	5	17.56	17.82	17.66	18.50
		3	0	17.65	17.84	17.55	18.50
		3	2	17.68	17.75	17.71	18.50
		3	3	17.57	17.89	17.58	18.50
		6	0	17.66	17.81	17.72	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	17.85	18.02	17.85	18.50
		1	7	17.61	17.84	17.58	18.50
		1	14	17.66	17.87	17.69	18.50
		8	0	17.84	18.01	17.83	18.50
		8	4	17.57	17.85	17.64	18.50
		8	7	17.66	17.82	17.68	18.50
		15	0	17.56	17.81	17.63	18.50
	16QAM	1	0	17.75	17.86	17.67	18.50
		1	7	17.58	17.93	17.69	18.50
		1	14	17.67	17.78	17.61	18.50
		8	0	17.47	17.91	17.61	18.50
		8	4	17.64	17.89	17.66	18.50
		8	7	17.53	17.79	17.66	18.50
		15	0	17.68	17.79	17.70	18.50
	64QAM	1	0	17.47	17.89	17.62	18.50
		1	7	17.62	17.77	17.59	18.50
		1	14	17.60	17.83	17.65	18.50



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		8	0	17.71	17.90	17.69	18.50
		8	4	17.55	17.81	17.61	18.50
		8	7	17.63	17.88	17.67	18.50
		15	0	17.55	17.95	17.60	18.50
	256QAM	1	0	17.68	17.89	17.67	18.50
		1	7	17.55	17.87	17.55	18.50
		1	14	17.62	17.89	17.67	18.50
		8	0	17.57	17.90	17.60	18.50
		8	4	17.65	17.81	17.67	18.50
		8	7	17.57	17.86	17.60	18.50
		15	0	17.66	17.82	17.70	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	17.85	18.01	17.88	18.50
		1	13	17.65	17.83	17.67	18.50
		1	24	17.71	17.84	17.68	18.50
		12	0	17.91	17.92	17.85	18.50
		12	6	17.52	17.87	17.64	18.50
		12	13	17.72	17.90	17.68	18.50
		25	0	17.60	17.85	17.58	18.50
	16QAM	1	0	17.68	17.90	17.64	18.50
		1	13	17.53	17.87	17.59	18.50
		1	24	17.69	17.78	17.69	18.50
		12	0	17.48	17.91	17.56	18.50
		12	6	17.68	17.86	17.69	18.50
		12	13	17.54	17.82	17.68	18.50
		25	0	17.73	17.82	17.65	18.50
	64QAM	1	0	17.49	17.84	17.57	18.50
		1	13	17.60	17.79	17.59	18.50
		1	24	17.57	17.91	17.56	18.50
		12	0	17.67	17.83	17.71	18.50
		12	6	17.50	17.85	17.56	18.50
		12	13	17.56	17.85	17.66	18.50
		25	0	17.51	17.93	17.57	18.50
	256QAM	1	0	17.74	17.82	17.66	18.50
		1	13	17.61	17.94	17.61	18.50
		1	24	17.63	17.90	17.59	18.50
		12	0	17.59	17.86	17.62	18.50
		12	6	17.69	17.80	17.64	18.50
		12	13	17.55	17.84	17.65	18.50
		25	0	17.68	17.77	17.71	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	17.93	17.99	17.91	18.50
		1	25	17.61	17.87	17.66	18.50
		1	49	17.66	17.81	17.67	18.50
		25	0	17.82	17.92	17.83	18.50
		25	13	17.58	17.93	17.54	18.50
		25	25	17.68	17.85	17.62	18.50
		50	0	17.49	17.88	17.55	18.50
	16QAM	1	0	17.69	17.88	17.72	18.50
		1	25	17.54	17.95	17.61	18.50
		1	49	17.68	17.86	17.63	18.50
		25	0	17.55	17.86	17.62	18.50
		25	13	17.61	17.90	17.65	18.50
		25	25	17.58	17.80	17.61	18.50



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	64QAM	50	0	17.71	17.73	17.72	18.50
		1	0	17.48	17.91	17.55	18.50
		1	25	17.65	17.75	17.65	18.50
		1	49	17.56	17.83	17.63	18.50
		25	0	17.70	17.87	17.69	18.50
		25	13	17.54	17.79	17.55	18.50
		25	25	17.62	17.83	17.63	18.50
	256QAM	50	0	17.52	17.90	17.54	18.50
		1	0	17.67	17.82	17.63	18.50
		1	25	17.55	17.93	17.61	18.50
		1	49	17.59	17.82	17.61	18.50
		25	0	17.59	17.81	17.53	18.50
		25	13	17.65	17.80	17.65	18.50
		25	25	17.51	17.87	17.57	18.50
		50	0	17.66	17.81	17.74	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	17.94	18.02	17.88	18.50
		1	38	17.57	17.82	17.60	18.50
		1	74	17.60	17.80	17.67	18.50
		36	0	17.90	17.97	17.84	18.50
		36	18	17.54	17.92	17.60	18.50
		36	39	17.70	17.88	17.71	18.50
		75	0	17.59	17.86	17.64	18.50
	16QAM	1	0	17.75	17.83	17.74	18.50
		1	38	17.59	17.88	17.62	18.50
		1	74	17.69	17.88	17.60	18.50
		36	0	17.52	17.84	17.58	18.50
		36	18	17.66	17.91	17.60	18.50
		36	39	17.51	17.82	17.63	18.50
		75	0	17.67	17.78	17.66	18.50
	64QAM	1	0	17.55	17.84	17.59	18.50
		1	38	17.58	17.79	17.59	18.50
		1	74	17.66	17.85	17.61	18.50
		36	0	17.70	17.87	17.64	18.50
		36	18	17.56	17.81	17.66	18.50
		36	39	17.64	17.85	17.58	18.50
		75	0	17.56	17.91	17.58	18.50
	256QAM	1	0	17.73	17.83	17.66	18.50
		1	38	17.55	17.91	17.63	18.50
		1	74	17.61	17.91	17.61	18.50
		36	0	17.65	17.90	17.53	18.50
		36	18	17.64	17.83	17.62	18.50
		36	39	17.57	17.86	17.58	18.50
		75	0	17.73	17.77	17.68	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	18.09	18.20	18.07	18.50
		1	50	17.81	18.03	17.81	18.50
		1	99	17.85	18.02	17.88	18.50
		50	0	18.05	18.16	18.02	18.50
		50	25	17.77	18.08	17.79	18.50
		50	50	17.90	18.05	17.86	18.50
		100	0	17.74	18.04	17.79	18.50
	16QAM	1	0	17.90	18.06	17.89	18.50
		1	50	17.74	18.09	17.83	18.50
		1	99	17.87	18.03	17.84	18.50



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		50	0	17.72	18.09	17.79	18.50
		50	25	17.86	18.05	17.83	18.50
		50	50	17.76	18.01	17.85	18.50
		100	0	17.88	17.97	17.87	18.50
	64QAM	1	0	17.70	18.05	17.78	18.50
		1	50	17.82	18.00	17.82	18.50
		1	99	17.80	18.07	17.79	18.50
		50	0	17.90	18.07	17.86	18.50
		50	25	17.72	18.03	17.80	18.50
		50	50	17.80	18.05	17.81	18.50
		100	0	17.73	18.09	17.79	18.50
	256QAM	1	0	17.90	18.06	17.86	18.50
		1	50	17.76	18.09	17.79	18.50
		1	99	17.81	18.06	17.83	18.50
		50	0	17.80	18.05	17.77	18.50
		50	25	17.86	17.98	17.87	18.50
		50	50	17.75	18.08	17.80	18.50
		100	0	17.87	17.97	17.89	18.50

LTE Band 25 Ant1 Head For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	14.76	14.96	14.85	15.50
		1	2	14.58	14.88	14.62	15.50
		1	5	14.68	14.88	14.72	15.50
		3	0	14.88	14.95	14.84	15.50
		3	2	14.60	14.81	14.61	15.50
		3	3	14.61	14.85	14.62	15.50
		6	0	14.50	14.91	14.53	15.50
	16QAM	1	0	14.72	14.88	14.58	15.50
		1	2	14.49	14.86	14.67	15.50
		1	5	14.66	14.88	14.61	15.50
		3	0	14.53	14.90	14.56	15.50
		3	2	14.72	14.89	14.68	15.50
		3	3	14.57	14.84	14.62	15.50
		6	0	14.62	14.79	14.73	15.50
	64QAM	1	0	14.48	14.94	14.69	15.50
		1	2	14.64	14.83	14.64	15.50
		1	5	14.63	14.92	14.61	15.50
		3	0	14.67	14.84	14.62	15.50
		3	2	14.58	14.88	14.66	15.50
		3	3	14.59	14.83	14.65	15.50
		6	0	14.51	14.84	14.63	15.50
	256QAM	1	0	14.59	14.82	14.64	15.50
		1	2	14.58	14.84	14.64	15.50
		1	5	14.67	14.85	14.57	15.50
		3	0	14.56	14.93	14.64	15.50
		3	2	14.67	14.85	14.67	15.50
		3	3	14.63	14.83	14.66	15.50
		6	0	14.72	14.92	14.65	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	14.82	14.99	14.85	15.50
		1	7	14.61	14.90	14.60	15.50



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		1	14	14.66	14.81	14.75	15.50
		8	0	14.80	15.00	14.84	15.50
		8	4	14.59	14.80	14.52	15.50
		8	7	14.64	14.87	14.64	15.50
		15	0	14.56	14.85	14.59	15.50
	16QAM	1	0	14.73	14.84	14.65	15.50
		1	7	14.54	14.88	14.66	15.50
		1	14	14.74	14.81	14.61	15.50
		8	0	14.56	14.86	14.61	15.50
		8	4	14.71	14.86	14.63	15.50
		8	7	14.59	14.87	14.58	15.50
		15	0	14.69	14.81	14.72	15.50
	64QAM	1	0	14.57	14.86	14.61	15.50
		1	7	14.65	14.83	14.66	15.50
		1	14	14.56	14.94	14.61	15.50
		8	0	14.74	14.77	14.62	15.50
		8	4	14.52	14.90	14.68	15.50
		8	7	14.63	14.88	14.59	15.50
	256QAM	15	0	14.51	14.88	14.63	15.50
		1	0	14.58	14.77	14.55	15.50
		1	7	14.57	14.86	14.60	15.50
		1	14	14.74	14.92	14.57	15.50
		8	0	14.50	14.85	14.59	15.50
		8	4	14.73	14.85	14.73	15.50
		8	7	14.56	14.92	14.67	15.50
		15	0	14.67	14.89	14.66	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	14.83	15.04	14.83	15.50
		1	13	14.59	14.91	14.58	15.50
		1	24	14.66	14.88	14.73	15.50
		12	0	14.81	15.01	14.84	15.50
		12	6	14.63	14.86	14.61	15.50
		12	13	14.69	14.89	14.67	15.50
		25	0	14.54	14.85	14.54	15.50
	16QAM	1	0	14.72	14.84	14.59	15.50
		1	13	14.46	14.87	14.62	15.50
		1	24	14.66	14.80	14.65	15.50
		12	0	14.60	14.86	14.59	15.50
		12	6	14.72	14.83	14.67	15.50
		12	13	14.54	14.83	14.61	15.50
		25	0	14.62	14.77	14.71	15.50
	64QAM	1	0	14.55	14.96	14.69	15.50
		1	13	14.67	14.85	14.62	15.50
		1	24	14.60	14.87	14.69	15.50
		12	0	14.68	14.80	14.60	15.50
		12	6	14.55	14.84	14.64	15.50
		12	13	14.66	14.84	14.59	15.50
		25	0	14.57	14.90	14.64	15.50
	256QAM	1	0	14.62	14.74	14.63	15.50
		1	13	14.63	14.88	14.57	15.50
		1	24	14.68	14.84	14.56	15.50
		12	0	14.49	14.96	14.60	15.50
		12	6	14.72	14.84	14.67	15.50
		12	13	14.57	14.91	14.67	15.50
		25	0	14.72	14.84	14.61	15.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	14.80	15.03	14.90	15.50
		1	25	14.60	14.91	14.61	15.50
		1	49	14.57	14.87	14.74	15.50
		25	0	14.80	14.98	14.81	15.50
		25	13	14.56	14.84	14.56	15.50
		25	25	14.65	14.83	14.65	15.50
		50	0	14.57	14.87	14.63	15.50
	16QAM	1	0	14.66	14.91	14.60	15.50
		1	25	14.47	14.88	14.66	15.50
		1	49	14.73	14.81	14.60	15.50
		25	0	14.53	14.89	14.58	15.50
		25	13	14.74	14.91	14.63	15.50
		25	25	14.50	14.85	14.61	15.50
		50	0	14.62	14.82	14.66	15.50
	64QAM	1	0	14.49	14.96	14.60	15.50
		1	25	14.60	14.85	14.67	15.50
		1	49	14.59	14.95	14.70	15.50
		25	0	14.70	14.82	14.61	15.50
		25	13	14.52	14.83	14.61	15.50
		25	25	14.67	14.86	14.59	15.50
		50	0	14.48	14.95	14.63	15.50
	256QAM	1	0	14.62	14.79	14.55	15.50
		1	25	14.58	14.88	14.64	15.50
		1	49	14.72	14.90	14.64	15.50
		25	0	14.47	14.88	14.59	15.50
		25	13	14.67	14.83	14.69	15.50
		25	25	14.55	14.87	14.72	15.50
		50	0	14.64	14.89	14.60	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	14.79	15.06	14.89	15.50
		1	38	14.61	14.83	14.57	15.50
		1	74	14.67	14.88	14.72	15.50
		36	0	14.83	14.97	14.81	15.50
		36	18	14.54	14.84	14.61	15.50
		36	39	14.63	14.90	14.72	15.50
		75	0	14.48	14.87	14.53	15.50
	16QAM	1	0	14.65	14.89	14.61	15.50
		1	38	14.50	14.89	14.61	15.50
		1	74	14.76	14.88	14.64	15.50
		36	0	14.55	14.91	14.54	15.50
		36	18	14.69	14.83	14.64	15.50
		36	39	14.53	14.85	14.68	15.50
		75	0	14.63	14.73	14.68	15.50
	64QAM	1	0	14.46	14.90	14.64	15.50
		1	38	14.62	14.90	14.66	15.50
		1	74	14.64	14.88	14.64	15.50
		36	0	14.70	14.79	14.61	15.50
		36	18	14.54	14.87	14.65	15.50
		36	39	14.63	14.85	14.61	15.50
		75	0	14.51	14.85	14.63	15.50
	256QAM	1	0	14.66	14.80	14.62	15.50
		1	38	14.56	14.83	14.62	15.50
		1	74	14.64	14.92	14.63	15.50
		36	0	14.53	14.95	14.64	15.50



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		36	18	14.70	14.88	14.65	15.50
		36	39	14.56	14.81	14.67	15.50
		75	0	14.63	14.86	14.65	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	15.01	15.21	15.07	15.50
		1	50	14.77	15.05	14.80	15.50
		1	99	14.82	15.06	14.90	15.50
		50	0	15.04	15.17	15.01	15.50
		50	25	14.77	15.02	14.75	15.50
		50	50	14.85	15.06	14.86	15.50
		100	0	14.71	15.05	14.77	15.50
	16QAM	1	0	14.87	15.06	14.82	15.50
		1	50	14.70	15.05	14.85	15.50
		1	99	14.90	15.03	14.80	15.50
		50	0	14.75	15.06	14.79	15.50
		50	25	14.89	15.07	14.87	15.50
		50	50	14.74	15.02	14.82	15.50
		100	0	14.86	14.98	14.88	15.50
	64QAM	1	0	14.71	15.11	14.85	15.50
		1	50	14.84	15.06	14.86	15.50
		1	99	14.80	15.09	14.84	15.50
		50	0	14.89	14.99	14.84	15.50
		50	25	14.73	15.07	14.83	15.50
		50	50	14.82	15.03	14.82	15.50
		100	0	14.72	15.09	14.79	15.50
	256QAM	1	0	14.82	14.99	14.79	15.50
		1	50	14.78	15.04	14.80	15.50
		1	99	14.89	15.07	14.79	15.50
		50	0	14.72	15.10	14.81	15.50
		50	25	14.87	15.04	14.89	15.50
		50	50	14.80	15.06	14.86	15.50
		100	0	14.87	15.06	14.84	15.50

LTE Band 25 Ant1 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	23.42	23.48	23.49	24.00
		1	2	23.21	23.41	23.24	24.00
		1	5	23.25	23.47	23.23	24.00
		3	0	23.19	23.47	23.22	24.00
		3	2	23.13	23.45	23.20	24.00
		3	3	23.23	23.41	23.27	24.00
		6	0	22.20	22.35	22.21	23.00
	16QAM	1	0	22.10	22.32	22.16	23.00
		1	2	22.14	22.36	22.13	23.00
		1	5	22.10	22.37	22.21	23.00
		3	0	22.14	22.37	22.18	23.00
		3	2	22.07	22.36	22.06	23.00
		3	3	22.14	22.27	22.12	23.00
		6	0	21.13	21.29	21.18	22.00
	64QAM	1	0	21.01	21.20	20.93	22.00
		1	2	21.10	21.27	21.08	22.00
		1	5	21.11	21.35	21.18	22.00
		3	0	21.03	21.22	20.99	22.00



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		3	2	21.07	21.26	21.04	22.00
		3	3	21.14	21.29	21.20	22.00
		6	0	20.11	20.24	20.08	21.00
	256QAM	1	0	18.14	18.37	18.16	19.00
		1	2	18.26	18.47	18.24	19.00
		1	5	18.13	18.42	18.06	19.00
		3	0	18.24	18.32	18.16	19.00
		3	2	18.18	18.34	18.21	19.00
		3	3	18.21	18.40	18.26	19.00
		6	0	18.17	18.36	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	23.35	23.47	23.42	24.00
		1	7	23.14	23.43	23.28	24.00
		1	14	23.30	23.47	23.27	24.00
		8	0	22.17	22.46	22.21	23.00
		8	4	22.12	22.28	22.04	23.00
		8	7	22.14	22.29	22.09	23.00
		15	0	22.15	22.37	22.17	23.00
	16QAM	1	0	22.40	22.33	22.43	23.00
		1	7	22.33	22.35	22.32	23.00
		1	14	22.32	22.39	22.31	23.00
		8	0	21.05	21.40	21.14	22.00
		8	4	20.98	21.15	21.02	22.00
		8	7	21.04	21.22	21.07	22.00
		15	0	21.21	21.34	21.21	22.00
	64QAM	1	0	21.32	21.62	21.38	22.00
		1	7	21.14	21.45	21.16	22.00
		1	14	21.34	21.45	21.33	22.00
		8	0	20.19	20.40	20.17	21.00
		8	4	20.08	20.31	20.10	21.00
		8	7	20.09	20.26	20.11	21.00
		15	0	20.13	20.32	20.14	21.00
	256QAM	1	0	18.24	18.51	18.25	19.00
		1	7	18.13	18.32	18.12	19.00
		1	14	18.25	18.33	18.23	19.00
		8	0	18.15	18.32	18.17	19.00
		8	4	18.16	18.41	18.13	19.00
		8	7	18.20	18.39	18.25	19.00
		15	0	18.14	18.33	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	23.39	23.56	23.44	24.00
		1	13	23.20	23.41	23.29	24.00
		1	24	23.24	23.46	23.26	24.00
		12	0	22.15	22.42	22.18	23.00
		12	6	22.16	22.28	22.04	23.00
		12	13	22.15	22.24	22.13	23.00
		25	0	22.19	22.36	22.23	23.00
	16QAM	1	0	22.45	22.41	22.44	23.00
		1	13	22.24	22.34	22.35	23.00
		1	24	22.41	22.39	22.30	23.00
		12	0	21.09	21.29	21.12	22.00
		12	6	21.02	21.21	20.94	22.00
		12	13	21.11	21.21	21.14	22.00
		25	0	21.15	21.42	21.17	22.00



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	64QAM	1	0	21.31	21.60	21.41	22.00
		1	13	21.19	21.43	21.21	22.00
		1	24	21.25	21.47	21.30	22.00
		12	0	20.19	20.33	20.13	21.00
		12	6	20.13	20.26	20.17	21.00
		12	13	20.13	20.32	20.03	21.00
		25	0	20.11	20.34	20.17	21.00
	256QAM	1	0	18.22	18.50	18.22	19.00
		1	13	18.14	18.33	18.14	19.00
		1	24	18.18	18.36	18.14	19.00
		12	0	18.12	18.26	18.11	19.00
		12	6	18.21	18.35	18.17	19.00
		12	13	18.27	18.44	18.16	19.00
		25	0	18.23	18.34	18.10	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	23.36	23.55	23.47	24.00
		1	25	23.20	23.39	23.20	24.00
		1	49	23.27	23.38	23.31	24.00
		25	0	22.19	22.43	22.23	23.00
		25	13	22.11	22.35	22.14	23.00
		25	25	22.16	22.28	22.08	23.00
		50	0	22.23	22.36	22.23	23.00
	16QAM	1	0	22.38	22.34	22.34	23.00
		1	25	22.25	22.41	22.28	23.00
		1	49	22.37	22.41	22.26	23.00
		25	0	21.09	21.40	21.15	22.00
		25	13	20.95	21.24	20.95	22.00
		25	25	21.01	21.29	21.13	22.00
		50	0	21.18	21.41	21.25	22.00
	64QAM	1	0	21.33	21.52	21.33	22.00
		1	25	21.21	21.45	21.16	22.00
		1	49	21.33	21.47	21.37	22.00
		25	0	20.23	20.44	20.22	21.00
		25	13	20.07	20.32	20.08	21.00
		25	25	20.14	20.34	20.11	21.00
		50	0	20.11	20.31	20.14	21.00
	256QAM	1	0	18.21	18.50	18.30	19.00
		1	25	18.14	18.39	18.17	19.00
		1	49	18.15	18.34	18.11	19.00
		25	0	18.04	18.24	18.10	19.00
		25	13	18.20	18.43	18.24	19.00
		25	25	18.29	18.43	18.20	19.00
		50	0	18.18	18.31	18.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	23.43	23.51	23.41	24.00
		1	38	23.17	23.46	23.21	24.00
		1	74	23.19	23.46	23.22	24.00
		36	0	22.13	22.36	22.21	23.00
		36	18	22.16	22.32	22.11	23.00
		36	39	22.15	22.32	22.12	23.00
		75	0	22.20	22.37	22.16	23.00
	16QAM	1	0	22.43	22.43	22.41	23.00
		1	38	22.34	22.32	22.35	23.00
		1	74	22.32	22.34	22.35	23.00
		36	0	21.12	21.31	21.17	22.00



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		36	18	21.05	21.19	20.95	22.00
		36	39	21.07	21.28	21.04	22.00
		75	0	21.10	21.33	21.14	22.00
	64QAM	1	0	21.36	21.59	21.40	22.00
		1	38	21.18	21.47	21.17	22.00
		1	74	21.31	21.48	21.34	22.00
		36	0	20.19	20.42	20.21	21.00
		36	18	20.12	20.27	20.10	21.00
		36	39	20.16	20.33	20.04	21.00
		75	0	20.08	20.35	20.09	21.00
		1	0	18.32	18.45	18.31	19.00
	256QAM	1	38	18.08	18.36	18.12	19.00
		1	74	18.17	18.41	18.14	19.00
		36	0	18.05	18.34	18.18	19.00
		36	18	18.15	18.35	18.24	19.00
		36	39	18.27	18.38	18.25	19.00
		75	0	18.15	18.35	18.17	19.00
		1	0	18.32	18.45	18.31	19.00
		1	38	18.08	18.36	18.12	19.00
		1	74	18.17	18.41	18.14	19.00
		36	0	18.05	18.34	18.18	19.00
		36	18	18.15	18.35	18.24	19.00
		36	39	18.27	18.38	18.25	19.00
		75	0	18.15	18.35	18.17	19.00
		1	0	18.32	18.45	18.31	19.00
		1	38	18.08	18.36	18.12	19.00
		1	74	18.17	18.41	18.14	19.00
		36	0	18.05	18.34	18.18	19.00
		36	18	18.15	18.35	18.24	19.00
		36	39	18.27	18.38	18.25	19.00
		75	0	18.15	18.35	18.17	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	23.57	23.71	23.62	24.00
		1	50	23.37	23.61	23.44	24.00
		1	99	23.43	23.63	23.45	24.00
		50	0	22.35	22.60	22.42	23.00
		50	25	22.31	22.53	22.29	23.00
		50	50	22.30	22.49	22.28	23.00
		100	0	22.37	22.59	22.38	23.00
		1	0	22.59	22.58	22.59	23.00
	16QAM	1	50	22.47	22.56	22.49	23.00
		1	99	22.54	22.57	22.50	23.00
		50	0	21.30	21.54	21.33	22.00
		50	25	21.20	21.40	21.16	22.00
		50	50	21.25	21.44	21.27	22.00
		100	0	21.35	21.57	21.38	22.00
		1	0	21.55	21.76	21.56	22.00
		1	50	21.38	21.61	21.41	22.00
	64QAM	1	99	21.50	21.69	21.51	22.00
		50	0	20.40	20.57	20.37	21.00
		50	25	20.27	20.49	20.30	21.00
		50	50	20.30	20.48	20.26	21.00
		100	0	20.33	20.51	20.33	21.00
		1	0	18.45	18.69	18.46	19.00
		1	50	18.32	18.54	18.35	19.00
		1	99	18.40	18.58	18.36	19.00
	256QAM	50	0	18.29	18.49	18.32	19.00
		50	25	18.39	18.56	18.38	19.00
		50	50	18.44	18.61	18.41	19.00
		100	0	18.37	18.55	18.30	19.00

LTE Band 25 Ant1 Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	21.42	21.51	21.40	22.00
		1	2	21.21	21.37	21.21	22.00
		1	5	21.40	21.55	21.47	22.00
		3	0	21.34	21.56	21.36	22.00



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		3	2	21.11	21.36	21.20	22.00
		3	3	21.17	21.42	21.36	22.00
		6	0	21.33	21.54	21.40	22.00
	16QAM	1	0	21.13	21.51	21.26	22.00
		1	2	21.26	21.48	21.16	22.00
		1	5	21.35	21.52	21.38	22.00
		3	0	21.16	21.49	21.21	22.00
		3	2	21.18	21.37	21.31	22.00
		3	3	21.16	21.42	21.31	22.00
		6	0	21.13	21.29	21.18	22.00
	64QAM	1	0	21.01	21.20	20.93	22.00
		1	2	21.10	21.27	21.08	22.00
		1	5	21.11	21.35	21.18	22.00
		3	0	21.03	21.22	20.99	22.00
		3	2	21.07	21.26	21.04	22.00
		3	3	21.14	21.29	21.20	22.00
		6	0	20.11	20.24	20.08	21.00
	256QAM	1	0	18.14	18.37	18.16	19.00
		1	2	18.26	18.47	18.24	19.00
		1	5	18.13	18.42	18.06	19.00
		3	0	18.24	18.32	18.16	19.00
		3	2	18.18	18.34	18.21	19.00
		3	3	18.21	18.40	18.26	19.00
		6	0	18.17	18.36	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	21.38	21.61	21.44	22.00
		1	7	21.12	21.35	21.25	22.00
		1	14	21.22	21.43	21.33	22.00
		8	0	21.36	21.46	21.35	22.00
		8	4	21.09	21.51	21.24	22.00
		8	7	21.17	21.50	21.19	22.00
		15	0	21.44	21.53	21.42	22.00
	16QAM	1	0	21.14	21.50	21.15	22.00
		1	7	21.29	21.41	21.26	22.00
		1	14	21.12	21.41	21.25	22.00
		8	0	21.05	21.40	21.14	22.00
		8	4	20.98	21.15	21.02	22.00
		8	7	21.04	21.22	21.07	22.00
		15	0	21.21	21.34	21.21	22.00
	64QAM	1	0	21.32	21.62	21.38	22.00
		1	7	21.14	21.45	21.16	22.00
		1	14	21.34	21.45	21.33	22.00
		8	0	20.19	20.40	20.17	21.00
		8	4	20.08	20.31	20.10	21.00
		8	7	20.09	20.26	20.11	21.00
		15	0	20.13	20.32	20.14	21.00
	256QAM	1	0	18.24	18.51	18.25	19.00
		1	7	18.13	18.32	18.12	19.00
		1	14	18.25	18.33	18.23	19.00
		8	0	18.15	18.32	18.17	19.00
		8	4	18.16	18.41	18.13	19.00
		8	7	18.20	18.39	18.25	19.00
		15	0	18.14	18.33	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	



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5MHz	QPSK	1	0	21.41	21.62	21.46	22.00
		1	13	21.22	21.39	21.31	22.00
		1	24	21.23	21.43	21.32	22.00
		12	0	21.34	21.53	21.35	22.00
		12	6	21.12	21.48	21.23	22.00
		12	13	21.16	21.50	21.17	22.00
		25	0	21.45	21.49	21.36	22.00
	16QAM	1	0	21.12	21.43	21.21	22.00
		1	13	21.18	21.43	21.24	22.00
		1	24	21.15	21.41	21.31	22.00
		12	0	21.09	21.29	21.12	22.00
		12	6	21.02	21.21	20.94	22.00
		12	13	21.11	21.21	21.14	22.00
		25	0	21.15	21.42	21.17	22.00
	64QAM	1	0	21.31	21.60	21.41	22.00
		1	13	21.19	21.43	21.21	22.00
		1	24	21.25	21.47	21.30	22.00
		12	0	20.19	20.33	20.13	21.00
		12	6	20.13	20.26	20.17	21.00
		12	13	20.13	20.32	20.03	21.00
		25	0	20.11	20.34	20.17	21.00
	256QAM	1	0	18.22	18.50	18.22	19.00
		1	13	18.14	18.33	18.14	19.00
		1	24	18.18	18.36	18.14	19.00
		12	0	18.12	18.26	18.11	19.00
		12	6	18.21	18.35	18.17	19.00
		12	13	18.27	18.44	18.16	19.00
		25	0	18.23	18.34	18.10	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	21.37	21.56	21.41	22.00
		1	25	21.14	21.34	21.21	22.00
		1	49	21.14	21.43	21.25	22.00
		25	0	21.36	21.54	21.34	22.00
		25	13	21.12	21.42	21.28	22.00
		25	25	21.18	21.52	21.15	22.00
		50	0	21.40	21.54	21.42	22.00
	16QAM	1	0	21.13	21.42	21.16	22.00
		1	25	21.20	21.39	21.20	22.00
		1	49	21.23	21.37	21.21	22.00
		25	0	21.09	21.40	21.15	22.00
		25	13	20.95	21.24	20.95	22.00
		25	25	21.01	21.29	21.13	22.00
		50	0	21.18	21.41	21.25	22.00
	64QAM	1	0	21.33	21.52	21.33	22.00
		1	25	21.21	21.45	21.16	22.00
		1	49	21.33	21.47	21.37	22.00
		25	0	20.23	20.44	20.22	21.00
		25	13	20.07	20.32	20.08	21.00
		25	25	20.14	20.34	20.11	21.00
		50	0	20.11	20.31	20.14	21.00
	256QAM	1	0	18.21	18.50	18.30	19.00
		1	25	18.14	18.39	18.17	19.00
		1	49	18.15	18.34	18.11	19.00
		25	0	18.04	18.24	18.10	19.00
		25	13	18.20	18.43	18.24	19.00
		25	25	18.29	18.43	18.20	19.00



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		50	0	18.18	18.31	18.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	21.34	21.60	21.41	22.00
		1	38	21.15	21.36	21.24	22.00
		1	74	21.15	21.41	21.35	22.00
		36	0	21.33	21.52	21.36	22.00
		36	18	21.13	21.50	21.24	22.00
		36	39	21.22	21.41	21.18	22.00
		75	0	21.42	21.50	21.37	22.00
	16QAM	1	0	21.11	21.44	21.21	22.00
		1	38	21.21	21.43	21.24	22.00
		1	74	21.19	21.45	21.25	22.00
		36	0	21.12	21.31	21.17	22.00
		36	18	21.05	21.19	20.95	22.00
		36	39	21.07	21.28	21.04	22.00
		75	0	21.10	21.33	21.14	22.00
	64QAM	1	0	21.36	21.59	21.40	22.00
		1	38	21.18	21.47	21.17	22.00
		1	74	21.31	21.48	21.34	22.00
		36	0	20.19	20.42	20.21	21.00
		36	18	20.12	20.27	20.10	21.00
		36	39	20.16	20.33	20.04	21.00
		75	0	20.08	20.35	20.09	21.00
	256QAM	1	0	18.32	18.45	18.31	19.00
		1	38	18.08	18.36	18.12	19.00
		1	74	18.17	18.41	18.14	19.00
		36	0	18.05	18.34	18.18	19.00
		36	18	18.15	18.35	18.24	19.00
		36	39	18.27	18.38	18.25	19.00
		75	0	18.15	18.35	18.17	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	
20MHz	QPSK	1	0	21.49	21.69	21.53	22.00
		1	50	21.28	21.51	21.37	22.00
		1	99	21.29	21.51	21.41	22.00
		50	0	21.43	21.63	21.52	22.00
		50	25	21.25	21.58	21.34	22.00
		50	50	21.31	21.59	21.32	22.00
		100	0	21.50	21.62	21.48	22.00
	16QAM	1	0	21.25	21.59	21.33	22.00
		1	50	21.35	21.49	21.37	22.00
		1	99	21.30	21.54	21.38	22.00
		50	0	21.46	21.60	21.53	22.00
		50	25	21.35	21.54	21.35	22.00
		50	50	21.39	21.60	21.34	22.00
		100	0	21.34	21.56	21.30	22.00
	64QAM	1	0	21.44	21.61	21.48	22.00
		1	50	21.24	21.57	21.32	22.00
		1	99	21.31	21.58	21.32	22.00
		50	0	20.40	20.57	20.37	21.00
		50	25	20.27	20.49	20.30	21.00
		50	50	20.30	20.48	20.26	21.00
		100	0	20.33	20.51	20.33	21.00
	256QAM	1	0	18.45	18.69	18.46	19.00
		1	50	18.32	18.54	18.35	19.00
		1	99	18.40	18.58	18.36	19.00



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		50	0	18.29	18.49	18.32	19.00
		50	25	18.39	18.56	18.38	19.00
		50	50	18.44	18.61	18.41	19.00
		100	0	18.37	18.55	18.30	19.00

LTE Band 25 Ant1 Hotspot For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	19.81	20.06	19.76	20.50
		1	2	19.58	19.83	19.60	20.50
		1	5	19.68	19.77	19.71	20.50
		3	0	19.77	20.01	19.87	20.50
		3	2	19.61	19.74	19.74	20.50
		3	3	19.65	19.78	19.67	20.50
		6	0	19.62	19.76	19.72	20.50
	16QAM	1	0	19.68	19.91	19.68	20.50
		1	2	19.63	19.81	19.73	20.50
		1	5	19.59	19.72	19.69	20.50
		3	0	19.68	19.76	19.63	20.50
		3	2	19.63	19.85	19.70	20.50
		3	3	19.60	19.90	19.74	20.50
		6	0	19.64	19.79	19.69	20.50
	64QAM	1	0	19.64	19.80	19.76	20.50
		1	2	19.58	19.81	19.63	20.50
		1	5	19.60	19.80	19.65	20.50
		3	0	19.64	19.88	19.68	20.50
		3	2	19.59	19.77	19.71	20.50
		3	3	19.62	19.87	19.71	20.50
		6	0	19.59	19.82	19.72	20.50
	256QAM	1	0	18.14	18.37	18.16	19.00
		1	2	18.26	18.47	18.24	19.00
		1	5	18.13	18.42	18.06	19.00
		3	0	18.24	18.32	18.16	19.00
		3	2	18.18	18.34	18.21	19.00
		3	3	18.21	18.40	18.26	19.00
		6	0	18.17	18.36	18.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	19.81	20.05	19.76	20.50
		1	7	19.50	19.79	19.60	20.50
		1	14	19.62	19.77	19.76	20.50
		8	0	19.73	19.99	19.80	20.50
		8	4	19.62	19.77	19.75	20.50
		8	7	19.62	19.82	19.68	20.50
		15	0	19.60	19.72	19.71	20.50
	16QAM	1	0	19.60	19.83	19.67	20.50
		1	7	19.54	19.81	19.81	20.50
		1	14	19.60	19.78	19.67	20.50
		8	0	19.64	19.83	19.70	20.50
		8	4	19.61	19.85	19.69	20.50
		8	7	19.68	19.85	19.75	20.50
		15	0	19.58	19.76	19.61	20.50
	64QAM	1	0	19.68	19.81	19.74	20.50
		1	7	19.66	19.75	19.63	20.50



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		1	14	19.67	19.82	19.63	20.50
		8	0	19.59	19.89	19.68	20.50
		8	4	19.65	19.81	19.69	20.50
		8	7	19.56	19.87	19.70	20.50
		15	0	19.56	19.83	19.77	20.50
	256QAM	1	0	18.24	18.51	18.25	19.00
		1	7	18.13	18.32	18.12	19.00
		1	14	18.25	18.33	18.23	19.00
		8	0	18.15	18.32	18.17	19.00
		8	4	18.16	18.41	18.13	19.00
		8	7	18.20	18.39	18.25	19.00
		15	0	18.14	18.33	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	19.83	20.09	19.80	20.50
		1	13	19.52	19.83	19.65	20.50
		1	24	19.68	19.82	19.70	20.50
		12	0	19.79	19.93	19.85	20.50
		12	6	19.67	19.80	19.75	20.50
		12	13	19.58	19.76	19.73	20.50
		25	0	19.62	19.81	19.67	20.50
	16QAM	1	0	19.59	19.91	19.58	20.50
		1	13	19.56	19.78	19.79	20.50
		1	24	19.60	19.73	19.71	20.50
		12	0	19.66	19.80	19.66	20.50
		12	6	19.64	19.90	19.74	20.50
		12	13	19.63	19.85	19.65	20.50
		25	0	19.56	19.76	19.69	20.50
	64QAM	1	0	19.63	19.83	19.69	20.50
		1	13	19.62	19.76	19.65	20.50
		1	24	19.61	19.86	19.69	20.50
		12	0	19.63	19.85	19.74	20.50
		12	6	19.63	19.83	19.70	20.50
		12	13	19.58	19.90	19.73	20.50
		25	0	19.63	19.84	19.75	20.50
	256QAM	1	0	18.22	18.50	18.22	19.00
		1	13	18.14	18.33	18.14	19.00
		1	24	18.18	18.36	18.14	19.00
		12	0	18.12	18.26	18.11	19.00
		12	6	18.21	18.35	18.17	19.00
		12	13	18.27	18.44	18.16	19.00
		25	0	18.23	18.34	18.10	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	19.85	20.05	19.83	20.50
		1	25	19.59	19.77	19.66	20.50
		1	49	19.63	19.81	19.72	20.50
		25	0	19.79	20.00	19.82	20.50
		25	13	19.65	19.74	19.72	20.50
		25	25	19.58	19.77	19.77	20.50
		50	0	19.59	19.73	19.70	20.50
	16QAM	1	0	19.67	19.84	19.64	20.50
		1	25	19.54	19.76	19.79	20.50
		1	49	19.69	19.78	19.70	20.50
		25	0	19.67	19.85	19.70	20.50
		25	13	19.56	19.87	19.69	20.50



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		25	25	19.67	19.82	19.75	20.50
		50	0	19.61	19.80	19.60	20.50
	64QAM	1	0	19.69	19.85	19.74	20.50
		1	25	19.64	19.75	19.69	20.50
		1	49	19.59	19.88	19.65	20.50
		25	0	19.53	19.82	19.69	20.50
		25	13	19.57	19.85	19.76	20.50
		25	25	19.64	19.82	19.74	20.50
		50	0	19.55	19.84	19.79	20.50
	256QAM	1	0	18.21	18.50	18.30	19.00
		1	25	18.14	18.39	18.17	19.00
		1	49	18.15	18.34	18.11	19.00
		25	0	18.04	18.24	18.10	19.00
		25	13	18.20	18.43	18.24	19.00
		25	25	18.29	18.43	18.20	19.00
		50	0	18.18	18.31	18.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 26115	Channel 26365	Channel 26615	Tune up
15MHz	QPSK	1	0	19.77	20.09	19.76	20.50
		1	38	19.59	19.76	19.68	20.50
		1	74	19.68	19.80	19.75	20.50
		36	0	19.79	19.94	19.88	20.50
		36	18	19.65	19.74	19.75	20.50
		36	39	19.67	19.79	19.71	20.50
		75	0	19.59	19.78	19.71	20.50
	16QAM	1	0	19.68	19.89	19.59	20.50
		1	38	19.55	19.82	19.70	20.50
		1	74	19.61	19.78	19.72	20.50
		36	0	19.62	19.84	19.72	20.50
		36	18	19.66	19.81	19.71	20.50
		36	39	19.67	19.87	19.73	20.50
		75	0	19.62	19.73	19.64	20.50
	64QAM	1	0	19.60	19.81	19.69	20.50
		1	38	19.58	19.71	19.64	20.50
		1	74	19.68	19.80	19.72	20.50
		36	0	19.63	19.79	19.68	20.50
		36	18	19.62	19.79	19.69	20.50
		36	39	19.59	19.82	19.70	20.50
		75	0	19.61	19.84	19.80	20.50
	256QAM	1	0	18.32	18.45	18.31	19.00
		1	38	18.08	18.36	18.12	19.00
		1	74	18.17	18.41	18.14	19.00
		36	0	18.05	18.34	18.18	19.00
		36	18	18.15	18.35	18.24	19.00
		36	39	18.27	18.38	18.25	19.00
		75	0	18.15	18.35	18.17	19.00
Bandwidth	Modulation	RB size	RB offset	Channel 26140	Channel 26365	Channel 26590	Tune up
20MHz	QPSK	1	0	20.01	20.24	20.00	20.50
		1	50	19.75	20.00	19.85	20.50
		1	99	19.84	19.97	19.93	20.50
		50	0	19.97	20.17	20.04	20.50
		50	25	19.83	19.98	19.91	20.50
		50	50	19.82	20.01	19.92	20.50
		100	0	19.82	19.97	19.89	20.50
	16QAM	1	0	19.82	20.07	19.82	20.50
		1	50	19.78	20.00	19.95	20.50



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		1	99	19.84	19.97	19.87	20.50
		50	0	19.84	20.00	19.87	20.50
		50	25	19.81	20.05	19.90	20.50
		50	50	19.82	20.06	19.89	20.50
		100	0	19.80	19.97	19.84	20.50
	64QAM	1	0	19.84	19.99	19.92	20.50
		1	50	19.82	19.96	19.86	20.50
		1	99	19.84	20.05	19.87	20.50
		50	0	19.78	20.04	19.88	20.50
		50	25	19.81	20.00	19.92	20.50
		50	50	19.79	20.06	19.92	20.50
		100	0	19.78	20.00	19.96	20.50
	256QAM	1	0	18.45	18.69	18.46	19.00
		1	50	18.32	18.54	18.35	19.00
		1	99	18.40	18.58	18.36	19.00
		50	0	18.29	18.49	18.32	19.00
		50	25	18.39	18.56	18.38	19.00
		50	50	18.44	18.61	18.41	19.00
		100	0	18.37	18.55	18.30	19.00

LTE Band 26 Ant7 Head&Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	21.80	21.97	21.85	23.00
		1	2	21.76	21.81	21.68	23.00
		1	5	21.59	21.89	21.74	23.00
		3	0	21.79	22.02	21.84	23.00
		3	2	21.73	21.76	21.67	23.00
		3	3	21.63	21.89	21.80	23.00
		6	0	21.63	21.92	21.77	23.00
	16QAM	1	0	21.68	21.64	21.62	23.00
		1	2	21.46	21.74	21.69	23.00
		1	5	21.47	21.78	21.71	23.00
		3	0	21.72	21.87	21.83	23.00
		3	2	21.63	21.65	21.62	23.00
		3	3	21.54	21.76	21.71	23.00
		6	0	21.39	21.48	21.41	22.00
	64QAM	1	0	21.37	21.40	21.38	22.00
		1	2	21.36	21.40	21.47	22.00
		1	5	21.42	21.52	21.39	22.00
		3	0	21.42	21.45	21.44	22.00
		3	2	21.37	21.48	21.52	22.00
		3	3	21.47	21.53	21.42	22.00
		6	0	20.40	20.43	20.34	21.00
	64QAM	1	0	18.30	18.41	18.48	19.00
		1	2	18.43	18.48	18.48	19.00
		1	5	18.30	18.46	18.36	19.00
		3	0	18.41	18.46	18.47	19.00
		3	2	18.39	18.57	18.53	19.00
		3	3	18.36	18.50	18.42	19.00
		6	0	18.30	18.42	18.47	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	21.76	22.01	21.86	23.00



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		1	7	21.72	21.78	21.74	23.00
		1	14	21.57	21.92	21.79	23.00
		8	0	21.66	21.93	21.78	23.00
		8	4	21.63	21.66	21.60	23.00
		8	7	21.44	21.81	21.69	23.00
		15	0	21.50	21.79	21.67	23.00
	16QAM	1	0	21.73	21.87	21.81	23.00
		1	7	21.65	21.69	21.66	23.00
		1	14	21.55	21.76	21.71	23.00
		8	0	21.37	21.38	21.36	22.00
		8	4	21.39	21.47	21.49	22.00
		8	7	21.43	21.55	21.44	22.00
		15	0	21.33	21.53	21.46	22.00
	64QAM	1	0	21.32	21.50	21.46	22.00
		1	7	21.39	21.44	21.44	22.00
		1	14	21.34	21.50	21.34	22.00
		8	0	20.38	20.47	20.43	21.00
		8	4	20.36	20.41	20.43	21.00
		8	7	20.44	20.48	20.39	21.00
	256QAM	15	0	20.45	20.42	20.38	21.00
		1	0	18.31	18.49	18.39	19.00
		1	7	18.33	18.41	18.50	19.00
		1	14	18.29	18.47	18.33	19.00
		8	0	18.45	18.46	18.43	19.00
		8	4	18.46	18.58	18.43	19.00
		8	7	18.39	18.52	18.37	19.00
		15	0	18.30	18.36	18.54	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	21.79	22.01	21.86	23.00
		1	13	21.71	21.76	21.70	23.00
		1	24	21.63	21.89	21.79	23.00
		12	0	21.66	21.89	21.73	23.00
		12	6	21.64	21.63	21.63	23.00
		12	13	21.50	21.81	21.67	23.00
	16QAM	25	0	21.53	21.80	21.65	23.00
		1	0	21.67	21.90	21.86	23.00
		1	13	21.69	21.65	21.59	23.00
		1	24	21.53	21.79	21.72	23.00
		12	0	21.44	21.43	21.42	22.00
		12	6	21.42	21.55	21.41	22.00
	64QAM	12	13	21.38	21.57	21.36	22.00
		25	0	21.41	21.45	21.43	22.00
		1	0	21.27	21.44	21.46	22.00
		1	13	21.46	21.49	21.41	22.00
		1	24	21.35	21.47	21.42	22.00
		12	0	20.33	20.46	20.47	21.00
	256QAM	12	6	20.40	20.44	20.43	21.00
		12	13	20.37	20.42	20.39	21.00
		25	0	20.39	20.46	20.38	21.00
		1	0	18.33	18.48	18.39	19.00
		1	13	18.43	18.47	18.47	19.00
		1	24	18.37	18.44	18.38	19.00
		12	0	18.41	18.48	18.38	19.00
		12	6	18.38	18.52	18.48	19.00
		12	13	18.40	18.51	18.36	19.00



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		25	0	18.28	18.40	18.43	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	21.74	22.01	21.84	23.00
		1	25	21.74	21.83	21.74	23.00
		1	49	21.63	21.91	21.79	23.00
		25	0	21.63	21.87	21.75	23.00
		25	13	21.63	21.64	21.60	23.00
		25	25	21.51	21.76	21.68	23.00
		50	0	21.47	21.80	21.71	23.00
	16QAM	1	0	21.74	21.93	21.87	23.00
		1	25	21.64	21.64	21.63	23.00
		1	49	21.51	21.80	21.64	23.00
		25	0	21.35	21.45	21.45	22.00
		25	13	21.37	21.55	21.42	22.00
		25	25	21.39	21.59	21.42	22.00
		50	0	21.31	21.45	21.46	22.00
	64QAM	1	0	21.38	21.48	21.41	22.00
		1	25	21.41	21.43	21.48	22.00
		1	49	21.39	21.48	21.32	22.00
		25	0	20.27	20.51	20.50	21.00
		25	13	20.39	20.42	20.48	21.00
		25	25	20.41	20.42	20.45	21.00
		50	0	20.38	20.44	20.32	21.00
	256QAM	1	0	18.30	18.49	18.41	19.00
		1	25	18.33	18.38	18.47	19.00
		1	49	18.35	18.55	18.40	19.00
		25	0	18.37	18.52	18.39	19.00
		25	13	18.47	18.53	18.52	19.00
		25	25	18.41	18.45	18.34	19.00
		50	0	18.28	18.40	18.44	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	22.12	22.28	22.17	23.00
		1	38	22.09	22.13	22.04	23.00
		1	74	22.09	22.19	22.04	23.00
		36	0	22.02	22.22	22.11	23.00
		36	18	22.02	22.06	21.91	23.00
		36	39	21.99	22.10	21.97	23.00
		75	0	21.97	22.08	21.93	23.00
	16QAM	1	0	22.00	22.03	21.96	23.00
		1	38	21.94	22.09	21.92	23.00
		1	74	22.00	22.05	21.94	23.00
		36	0	21.69	21.72	21.70	22.00
		36	18	21.70	21.82	21.76	22.00
		36	39	21.72	21.82	21.71	22.00
		75	0	21.66	21.77	21.70	22.00
	64QAM	1	0	21.61	21.74	21.72	22.00
		1	38	21.70	21.73	21.74	22.00
		1	74	21.69	21.81	21.67	22.00
		36	0	20.61	20.78	20.75	21.00
		36	18	20.67	20.72	20.76	21.00
		36	39	20.71	20.75	20.72	21.00
		75	0	20.68	20.77	20.67	21.00
	256QAM	1	0	18.61	18.76	18.73	19.00
		1	38	18.67	18.72	18.74	19.00
		1	74	18.63	18.78	18.68	19.00



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		36	0	18.70	18.78	18.71	19.00
		36	18	18.71	18.82	18.77	19.00
		36	39	18.66	18.76	18.68	19.00
		75	0	18.62	18.71	18.77	19.00

LTE Band 26 Ant7 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	23.37	23.51	23.47	24.00
		1	2	23.36	23.45	23.30	24.00
		1	5	23.21	23.37	23.35	24.00
		3	0	23.36	23.48	23.47	24.00
		3	2	23.35	23.39	23.29	24.00
		3	3	23.20	23.47	23.37	24.00
		6	0	22.46	22.45	22.37	23.00
	16QAM	1	0	22.30	22.45	22.49	23.00
		1	2	22.41	22.55	22.42	23.00
		1	5	22.37	22.47	22.49	23.00
		3	0	22.45	22.54	22.51	23.00
		3	2	22.35	22.49	22.39	23.00
		3	3	22.36	22.48	22.50	23.00
		6	0	21.39	21.48	21.41	22.00
	64QAM	1	0	21.37	21.40	21.38	22.00
		1	2	21.36	21.40	21.47	22.00
		1	5	21.42	21.52	21.39	22.00
		3	0	21.42	21.45	21.44	22.00
		3	2	21.37	21.48	21.52	22.00
		3	3	21.47	21.53	21.42	22.00
		6	0	20.40	20.43	20.34	21.00
	64QAM	1	0	18.30	18.41	18.48	19.00
		1	2	18.43	18.48	18.48	19.00
		1	5	18.30	18.46	18.36	19.00
		3	0	18.41	18.46	18.47	19.00
		3	2	18.39	18.57	18.53	19.00
		3	3	18.36	18.50	18.42	19.00
		6	0	18.30	18.42	18.47	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	23.36	23.47	23.42	24.00
		1	7	23.28	23.40	23.25	24.00
		1	14	23.20	23.40	23.32	24.00
		8	0	22.48	22.51	22.49	23.00
		8	4	22.30	22.41	22.47	23.00
		8	7	22.31	22.46	22.54	23.00
		15	0	22.37	22.51	22.36	23.00
	16QAM	1	0	22.28	22.47	22.47	23.00
		1	7	22.45	22.45	22.46	23.00
		1	14	22.44	22.44	22.51	23.00
		8	0	21.37	21.38	21.36	22.00
		8	4	21.39	21.47	21.49	22.00
		8	7	21.43	21.55	21.44	22.00
		15	0	21.33	21.53	21.46	22.00
	64QAM	1	0	21.32	21.50	21.46	22.00
		1	7	21.39	21.44	21.44	22.00



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		1	14	21.34	21.50	21.34	22.00
		8	0	20.38	20.47	20.43	21.00
		8	4	20.36	20.41	20.43	21.00
		8	7	20.44	20.48	20.39	21.00
		15	0	20.45	20.42	20.38	21.00
	256QAM	1	0	18.31	18.49	18.39	19.00
		1	7	18.33	18.41	18.50	19.00
		1	14	18.29	18.47	18.33	19.00
		8	0	18.45	18.46	18.43	19.00
		8	4	18.46	18.58	18.43	19.00
		8	7	18.39	18.52	18.37	19.00
		15	0	18.30	18.36	18.54	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	23.31	23.50	23.44	24.00
		1	13	23.26	23.40	23.24	24.00
		1	24	23.24	23.39	23.41	24.00
		12	0	22.42	22.52	22.53	23.00
		12	6	22.26	22.45	22.46	23.00
		12	13	22.27	22.52	22.51	23.00
		25	0	22.38	22.51	22.38	23.00
	16QAM	1	0	22.26	22.55	22.45	23.00
		1	13	22.39	22.49	22.46	23.00
		1	24	22.46	22.44	22.48	23.00
		12	0	21.44	21.43	21.42	22.00
		12	6	21.42	21.55	21.41	22.00
		12	13	21.38	21.57	21.36	22.00
		25	0	21.41	21.45	21.43	22.00
	64QAM	1	0	21.27	21.44	21.46	22.00
		1	13	21.46	21.49	21.41	22.00
		1	24	21.35	21.47	21.42	22.00
		12	0	20.33	20.46	20.47	21.00
		12	6	20.40	20.44	20.43	21.00
		12	13	20.37	20.42	20.39	21.00
		25	0	20.39	20.46	20.38	21.00
	256QAM	1	0	18.33	18.48	18.39	19.00
		1	13	18.43	18.47	18.47	19.00
		1	24	18.37	18.44	18.38	19.00
		12	0	18.41	18.48	18.38	19.00
		12	6	18.38	18.52	18.48	19.00
		12	13	18.40	18.51	18.36	19.00
		25	0	18.28	18.40	18.43	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26750	26865	26990	
10MHz	QPSK	1	0	23.32	23.53	23.38	24.00
		1	25	23.36	23.37	23.23	24.00
		1	49	23.28	23.41	23.37	24.00
		25	0	22.38	22.46	22.46	23.00
		25	13	22.26	22.46	22.38	23.00
		25	25	22.37	22.49	22.45	23.00
		50	0	22.43	22.50	22.45	23.00
	16QAM	1	0	22.30	22.52	22.40	23.00
		1	25	22.45	22.48	22.41	23.00
		1	49	22.43	22.47	22.49	23.00
		25	0	21.35	21.45	21.45	22.00
		25	13	21.37	21.55	21.42	22.00



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		25	25	21.39	21.59	21.42	22.00
		50	0	21.31	21.45	21.46	22.00
	64QAM	1	0	21.38	21.48	21.41	22.00
		1	25	21.41	21.43	21.48	22.00
		1	49	21.39	21.48	21.32	22.00
		25	0	20.27	20.51	20.50	21.00
		25	13	20.39	20.42	20.48	21.00
		25	25	20.41	20.42	20.45	21.00
		50	0	20.38	20.44	20.32	21.00
		1	0	18.30	18.49	18.41	19.00
	256QAM	1	25	18.33	18.38	18.47	19.00
		1	49	18.35	18.55	18.40	19.00
		25	0	18.37	18.52	18.39	19.00
		25	13	18.47	18.53	18.52	19.00
		25	25	18.41	18.45	18.34	19.00
		50	0	18.28	18.40	18.44	19.00
		1	0	18.30	18.49	18.41	19.00
		1	25	18.33	18.38	18.47	19.00
		1	49	18.35	18.55	18.40	19.00
		25	0	18.37	18.52	18.39	19.00
		25	13	18.47	18.53	18.52	19.00
		25	25	18.41	18.45	18.34	19.00
		50	0	18.28	18.40	18.44	19.00
		1	0	18.30	18.49	18.41	19.00
		1	25	18.33	18.38	18.47	19.00
		1	49	18.35	18.55	18.40	19.00
		25	0	18.37	18.52	18.39	19.00
		25	13	18.47	18.53	18.52	19.00
		25	25	18.41	18.45	18.34	19.00
		50	0	18.28	18.40	18.44	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26775	26865	26965	
15MHz	QPSK	1	0	23.65	23.76	23.71	24.00
		1	38	23.61	23.69	23.58	24.00
		1	74	23.53	23.72	23.64	24.00
		36	0	22.72	22.80	22.76	23.00
		36	18	22.60	22.75	22.73	23.00
		36	39	22.61	22.77	22.77	23.00
		75	0	22.71	22.79	22.69	23.00
		1	0	22.61	22.78	22.75	23.00
	16QAM	1	38	22.69	22.78	22.71	23.00
		1	74	22.69	22.73	22.75	23.00
		36	0	21.69	21.72	21.70	22.00
		36	18	21.70	21.82	21.76	22.00
		36	39	21.72	21.82	21.71	22.00
		75	0	21.66	21.77	21.70	22.00
		1	0	21.61	21.74	21.72	22.00
		1	38	21.70	21.73	21.74	22.00
	64QAM	1	74	21.69	21.81	21.67	22.00
		36	0	20.61	20.78	20.75	21.00
		36	18	20.67	20.72	20.76	21.00
		36	39	20.71	20.75	20.72	21.00
		75	0	20.68	20.77	20.67	21.00
		1	0	18.61	18.76	18.73	19.00
		1	38	18.67	18.72	18.74	19.00
		1	74	18.63	18.78	18.68	19.00
	256QAM	36	0	18.70	18.78	18.71	19.00
		36	18	18.71	18.82	18.77	19.00
		36	39	18.66	18.76	18.68	19.00
		75	0	18.62	18.71	18.77	19.00

LTE Band 38 Ant1 Head Standalone & Hotspot Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	19.59	19.87	19.59	21.50
		1	13	19.64	19.75	19.60	21.50
		1	24	19.54	19.70	19.61	21.50
		12	0	19.62	19.81	19.66	21.50
		12	6	19.58	19.60	19.66	21.50
		12	13	19.55	19.61	19.67	21.50
		12	24	19.54	19.70	19.61	21.50



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	16QAM	25	0	19.60	19.60	19.56	21.50
		1	0	19.60	19.74	19.55	21.50
		1	13	19.65	19.72	19.63	21.50
		1	24	19.62	19.66	19.54	21.50
		12	0	19.57	19.69	19.72	21.50
		12	6	19.71	19.70	19.53	21.50
		12	13	19.53	19.73	19.73	21.50
	64QAM	25	0	19.53	19.69	19.57	21.50
		1	0	19.65	19.62	19.61	21.50
		1	13	19.50	19.76	19.53	21.50
		1	24	19.65	19.69	19.68	21.50
		12	0	19.54	19.71	19.52	21.50
		12	6	19.54	19.69	19.62	21.50
		12	13	19.56	19.75	19.57	21.50
	256QAM	25	0	19.21	19.40	19.26	21.00
		1	0	17.11	17.23	17.15	19.00
		1	13	17.04	17.12	17.07	19.00
		1	24	17.01	17.18	17.13	19.00
		12	0	17.07	17.07	17.03	19.00
		12	6	17.23	17.24	17.02	19.00
		12	13	17.06	17.24	17.03	19.00
		25	0	17.07	17.17	17.00	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	19.57	19.91	19.60	21.50
		1	25	19.62	19.74	19.62	21.50
		1	49	19.56	19.62	19.54	21.50
		25	0	19.59	19.72	19.61	21.50
		25	13	19.62	19.60	19.64	21.50
		25	25	19.55	19.68	19.63	21.50
		50	0	19.61	19.68	19.65	21.50
	16QAM	1	0	19.58	19.69	19.55	21.50
		1	25	19.60	19.71	19.68	21.50
		1	49	19.57	19.69	19.52	21.50
		25	0	19.63	19.66	19.60	21.50
		25	13	19.72	19.77	19.53	21.50
		25	25	19.53	19.75	19.74	21.50
		50	0	19.51	19.62	19.60	21.50
	64QAM	1	0	19.53	19.68	19.58	21.50
		1	25	19.55	19.76	19.51	21.50
		1	49	19.59	19.70	19.60	21.50
		25	0	19.38	19.43	19.27	21.00
		25	13	19.32	19.42	19.37	21.00
		25	25	19.28	19.55	19.29	21.00
		50	0	19.36	19.55	19.28	21.00
	256QAM	1	0	17.07	17.36	17.08	19.00
		1	25	17.27	17.29	17.13	19.00
		1	49	17.15	17.39	17.14	19.00
		25	0	17.13	17.24	17.07	19.00
		25	13	17.25	17.40	17.08	19.00
		25	25	17.21	17.33	17.08	19.00
		50	0	17.21	17.35	17.00	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	19.67	19.82	19.58	21.50
		1	38	19.62	19.75	19.65	21.50
		1	74	19.53	19.61	19.58	21.50



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		36	0	19.56	19.83	19.65	21.50
		36	18	19.61	19.66	19.55	21.50
		36	39	19.51	19.63	19.66	21.50
		75	0	19.58	19.59	19.56	21.50
	16QAM	1	0	19.52	19.70	19.53	21.50
		1	38	19.61	19.60	19.72	21.50
		1	74	19.62	19.70	19.52	21.50
		36	0	19.63	19.76	19.61	21.50
		36	18	19.61	19.69	19.53	21.50
		36	39	19.54	19.74	19.62	21.50
		75	0	19.56	19.68	19.59	21.50
	64QAM	1	0	19.64	19.60	19.62	21.50
		1	38	19.52	19.75	19.51	21.50
		1	74	19.62	19.79	19.60	21.50
		36	0	19.34	19.43	19.22	21.00
		36	18	19.30	19.47	19.40	21.00
		36	39	19.31	19.49	19.26	21.00
		75	0	19.33	19.57	19.35	21.00
	256QAM	1	0	17.07	17.37	17.15	19.00
		1	38	17.19	17.31	17.15	19.00
		1	74	17.17	17.33	17.10	19.00
		36	0	17.08	17.25	17.03	19.00
		36	18	17.19	17.34	17.05	19.00
		36	39	17.16	17.37	17.12	19.00
		75	0	17.19	17.38	17.06	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	19.81	20.06	19.76	21.50
		1	50	19.76	19.88	19.77	21.50
		1	99	19.71	19.84	19.79	21.50
		50	0	19.75	19.96	19.83	21.50
		50	25	19.82	19.84	19.79	21.50
		50	50	19.70	19.86	19.84	21.50
		100	0	19.77	19.80	19.80	21.50
	16QAM	1	0	19.74	19.91	19.67	21.50
		1	50	19.79	19.84	19.84	21.50
		1	99	19.75	19.87	19.70	21.50
		50	0	19.80	19.90	19.84	21.50
		50	25	19.85	19.91	19.68	21.50
		50	50	19.69	19.91	19.86	21.50
		100	0	19.74	19.86	19.74	21.50
	64QAM	1	0	19.78	19.83	19.82	21.50
		1	50	19.75	19.95	19.70	21.50
		1	99	19.78	19.91	19.82	21.50
		50	0	19.36	19.46	19.26	21.00
		50	25	19.34	19.43	19.38	21.00
		50	50	19.28	19.50	19.23	21.00
		100	0	19.36	19.56	19.32	21.00
	256QAM	1	0	17.11	17.30	17.08	19.00
		1	50	17.21	17.29	17.10	19.00
		1	99	17.17	17.33	17.07	19.00
		50	0	17.08	17.29	17.01	19.00
		50	25	17.20	17.37	17.04	19.00
		50	50	17.21	17.37	17.07	19.00
		100	0	17.16	17.36	17.00	19.00



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LTE Band 38 Ant1 Head Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	16.28	16.38	16.19	18.00
		1	13	16.22	16.15	16.28	18.00
		1	24	16.12	16.19	16.24	18.00
		12	0	16.35	16.36	16.24	18.00
		12	6	16.21	16.17	16.24	18.00
		12	13	16.13	16.09	16.28	18.00
		25	0	16.24	16.17	16.27	18.00
	16QAM	1	0	16.18	16.10	16.27	18.00
		1	13	16.25	16.20	16.19	18.00
		1	24	16.21	16.18	16.34	18.00
		12	0	16.24	16.09	16.23	18.00
		12	6	16.19	16.18	16.25	18.00
		12	13	16.25	16.09	16.23	18.00
		25	0	16.17	16.18	16.30	18.00
	64QAM	1	0	16.20	16.10	16.27	18.00
		1	13	16.22	16.12	16.25	18.00
		1	24	16.26	16.09	16.26	18.00
		12	0	16.20	16.17	16.25	18.00
		12	6	16.22	16.17	16.25	18.00
		12	13	16.15	16.18	16.26	18.00
		25	0	16.23	16.16	16.31	18.00
	256QAM	1	0	16.19	16.12	16.27	18.00
		1	13	16.30	16.19	16.22	18.00
		1	24	16.20	16.08	16.35	18.00
		12	0	16.26	16.10	16.20	18.00
		12	6	16.23	16.17	16.24	18.00
		12	13	16.20	16.18	16.26	18.00
		25	0	16.25	16.08	16.31	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	16.23	16.39	16.22	18.00
		1	25	16.26	16.15	16.33	18.00
		1	49	16.15	16.13	16.27	18.00
		25	0	16.29	16.32	16.33	18.00
		25	13	16.20	16.19	16.27	18.00
		25	25	16.16	16.11	16.30	18.00
		50	0	16.18	16.21	16.27	18.00
	16QAM	1	0	16.18	16.07	16.32	18.00
		1	25	16.20	16.20	16.22	18.00
		1	49	16.20	16.18	16.29	18.00
		25	0	16.23	16.17	16.22	18.00
		25	13	16.26	16.15	16.20	18.00
		25	25	16.21	16.11	16.22	18.00
		50	0	16.15	16.16	16.32	18.00
	64QAM	1	0	16.19	16.16	16.28	18.00
		1	25	16.23	16.11	16.30	18.00
		1	49	16.25	16.13	16.28	18.00
		25	0	16.18	16.14	16.26	18.00
		25	13	16.24	16.17	16.29	18.00
		25	25	16.11	16.11	16.31	18.00
		50	0	16.22	16.15	16.29	18.00
	256QAM	1	0	16.23	16.10	16.28	18.00
		1	25	16.25	16.18	16.22	18.00



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		1	49	16.21	16.13	16.31	18.00
		25	0	16.21	16.14	16.16	18.00
		25	13	16.19	16.14	16.24	18.00
		25	25	16.28	16.15	16.26	18.00
		50	0	16.19	16.16	16.28	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	16.21	16.37	16.25	18.00
		1	38	16.27	16.25	16.32	18.00
		1	74	16.12	16.10	16.26	18.00
		36	0	16.32	16.39	16.25	18.00
		36	18	16.19	16.16	16.27	18.00
		36	39	16.20	16.18	16.30	18.00
		75	0	16.26	16.23	16.24	18.00
	16QAM	1	0	16.15	16.09	16.25	18.00
		1	38	16.18	16.14	16.20	18.00
		1	74	16.14	16.09	16.29	18.00
		36	0	16.28	16.15	16.29	18.00
		36	18	16.27	16.18	16.26	18.00
		36	39	16.21	16.12	16.21	18.00
		75	0	16.15	16.15	16.27	18.00
	64QAM	1	0	16.28	16.18	16.31	18.00
		1	38	16.15	16.19	16.28	18.00
		1	74	16.32	16.15	16.19	18.00
		36	0	16.14	16.16	16.22	18.00
		36	18	16.22	16.19	16.28	18.00
		36	39	16.10	16.12	16.21	18.00
		75	0	16.16	16.14	16.28	18.00
	256QAM	1	0	16.18	16.11	16.20	18.00
		1	38	16.28	16.15	16.29	18.00
		1	74	16.19	16.16	16.34	18.00
		36	0	16.22	16.10	16.23	18.00
		36	18	16.16	16.17	16.27	18.00
		36	39	16.19	16.14	16.24	18.00
		75	0	16.24	16.14	16.28	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	16.37	16.50	16.34	18.00
		1	50	16.34	16.32	16.40	18.00
		1	99	16.27	16.27	16.36	18.00
		50	0	16.43	16.48	16.40	18.00
		50	25	16.32	16.26	16.38	18.00
		50	50	16.29	16.25	16.38	18.00
		100	0	16.34	16.31	16.37	18.00
	16QAM	1	0	16.31	16.20	16.39	18.00
		1	50	16.33	16.29	16.35	18.00
		1	99	16.30	16.26	16.41	18.00
		50	0	16.37	16.24	16.38	18.00
		50	25	16.35	16.27	16.36	18.00
		50	50	16.36	16.25	16.33	18.00
		100	0	16.29	16.28	16.40	18.00
	64QAM	1	0	16.35	16.27	16.39	18.00
		1	50	16.32	16.26	16.40	18.00
		1	99	16.39	16.24	16.35	18.00
		50	0	16.29	16.25	16.34	18.00
		50	25	16.32	16.26	16.37	18.00
		50	50	16.27	16.26	16.38	18.00



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		100	0	16.33	16.25	16.41	18.00
	256QAM	1	0	16.32	16.23	16.36	18.00
		1	50	16.38	16.29	16.36	18.00
		1	99	16.32	16.23	16.42	18.00
		50	0	16.35	16.26	16.33	18.00
		50	25	16.32	16.24	16.41	18.00
		50	50	16.36	16.27	16.37	18.00
		100	0	16.34	16.24	16.41	18.00

LTE Band 38 Ant1 Hotspot Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	18.65	19.02	18.62	20.50
		1	13	18.60	18.81	18.64	20.50
		1	24	18.57	18.68	18.67	20.50
		12	0	18.67	18.84	18.67	20.50
		12	6	18.63	18.71	18.75	20.50
		12	13	18.66	18.69	18.68	20.50
		25	0	18.55	18.71	18.68	20.50
	16QAM	1	0	18.72	18.76	18.63	20.50
		1	13	18.54	18.71	18.72	20.50
		1	24	18.66	18.77	18.70	20.50
		12	0	18.60	18.80	18.65	20.50
		12	6	18.67	18.73	18.68	20.50
		12	13	18.59	18.79	18.74	20.50
		25	0	18.68	18.77	18.57	20.50
	64QAM	1	0	18.62	18.70	18.65	20.50
		1	13	18.62	18.75	18.69	20.50
		1	24	18.62	18.71	18.68	20.50
		12	0	18.65	18.76	18.65	20.50
		12	6	18.65	18.79	18.67	20.50
		12	13	18.65	18.71	18.64	20.50
		25	0	18.54	18.72	18.74	20.50
	256QAM	1	0	17.11	17.23	17.15	19.00
		1	13	17.04	17.12	17.07	19.00
		1	24	17.01	17.18	17.13	19.00
		12	0	17.07	17.07	17.03	19.00
		12	6	17.23	17.24	17.02	19.00
		12	13	17.06	17.24	17.03	19.00
		25	0	17.07	17.17	17.00	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	18.68	19.05	18.65	20.50
		1	25	18.61	18.77	18.66	20.50
		1	49	18.61	18.71	18.67	20.50
		25	0	18.63	18.85	18.75	20.50
		25	13	18.61	18.70	18.76	20.50
		25	25	18.69	18.73	18.68	20.50
		50	0	18.55	18.75	18.68	20.50
	16QAM	1	0	18.66	18.80	18.60	20.50
		1	25	18.61	18.71	18.69	20.50
		1	49	18.62	18.82	18.68	20.50
		25	0	18.58	18.72	18.66	20.50
		25	13	18.64	18.76	18.67	20.50
		25	25	18.65	18.72	18.71	20.50
		50	0	18.73	18.74	18.57	20.50



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	64QAM	1	0	18.55	18.75	18.69	20.50
		1	25	18.63	18.70	18.72	20.50
		1	49	18.65	18.74	18.69	20.50
		25	0	18.59	18.74	18.66	20.50
		25	13	18.64	18.78	18.72	20.50
		25	25	18.65	18.74	18.65	20.50
		50	0	18.60	18.70	18.76	20.50
	256QAM	1	0	17.07	17.36	17.08	19.00
		1	25	17.27	17.29	17.13	19.00
		1	49	17.15	17.39	17.14	19.00
		25	0	17.13	17.24	17.07	19.00
		25	13	17.25	17.40	17.08	19.00
		25	25	17.21	17.33	17.08	19.00
		50	0	17.21	17.35	17.00	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	18.75	18.96	18.64	20.50
		1	38	18.58	18.76	18.66	20.50
		1	74	18.62	18.68	18.62	20.50
		36	0	18.68	18.85	18.70	20.50
		36	18	18.61	18.69	18.69	20.50
		36	39	18.66	18.69	18.71	20.50
		75	0	18.60	18.67	18.61	20.50
	16QAM	1	0	18.64	18.74	18.68	20.50
		1	38	18.56	18.66	18.76	20.50
		1	74	18.64	18.81	18.70	20.50
		36	0	18.65	18.71	18.67	20.50
		36	18	18.68	18.76	18.72	20.50
		36	39	18.63	18.74	18.67	20.50
		75	0	18.72	18.71	18.65	20.50
	64QAM	1	0	18.59	18.75	18.66	20.50
		1	38	18.66	18.68	18.64	20.50
		1	74	18.59	18.68	18.76	20.50
		36	0	18.59	18.74	18.71	20.50
		36	18	18.65	18.73	18.76	20.50
		36	39	18.73	18.78	18.64	20.50
		75	0	18.54	18.66	18.75	20.50
	256QAM	1	0	17.07	17.37	17.15	19.00
		1	38	17.19	17.31	17.15	19.00
		1	74	17.17	17.33	17.10	19.00
		36	0	17.08	17.25	17.03	19.00
		36	18	17.19	17.34	17.05	19.00
		36	39	17.16	17.37	17.12	19.00
		75	0	17.19	17.38	17.06	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	18.81	19.11	18.76	20.50
		1	50	18.72	18.91	18.74	20.50
		1	99	18.69	18.82	18.77	20.50
		50	0	18.75	18.91	18.81	20.50
		50	25	18.70	18.85	18.84	20.50
		50	50	18.79	18.83	18.81	20.50
		100	0	18.69	18.81	18.77	20.50
	16QAM	1	0	18.79	18.88	18.75	20.50
		1	50	18.69	18.80	18.83	20.50
		1	99	18.77	18.89	18.81	20.50
		50	0	18.71	18.86	18.80	20.50



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		50	25	18.76	18.84	18.81	20.50
		50	50	18.73	18.86	18.80	20.50
		100	0	18.81	18.84	18.72	20.50
	64QAM	1	0	18.68	18.82	18.80	20.50
		1	50	18.73	18.84	18.79	20.50
		1	99	18.74	18.81	18.83	20.50
		50	0	18.71	18.89	18.77	20.50
		50	25	18.71	18.87	18.82	20.50
		50	50	18.80	18.86	18.74	20.50
		100	0	18.68	18.80	18.82	20.50
	256QAM	1	0	17.11	17.30	17.08	19.00
		1	50	17.21	17.29	17.10	19.00
		1	99	17.17	17.33	17.07	19.00
		50	0	17.08	17.29	17.01	19.00
		50	25	17.20	17.37	17.04	19.00
		50	50	17.21	17.37	17.07	19.00
		100	0	17.16	17.36	17.00	19.00

LTE Band 38 Ant1 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	22.04	22.08	22.13	24.00
		1	13	22.05	22.00	22.06	24.00
		1	24	22.07	22.07	22.11	24.00
		12	0	22.02	22.13	22.00	24.00
		12	6	22.07	22.00	22.05	24.00
		12	13	22.03	22.06	22.00	24.00
		25	0	21.03	21.05	21.01	23.00
	16QAM	1	0	21.02	21.09	21.01	23.00
		1	13	21.08	21.05	21.04	23.00
		1	24	21.09	21.14	21.05	23.00
		12	0	21.16	21.14	21.06	23.00
		12	6	21.03	21.12	21.06	23.00
		12	13	21.12	21.06	21.10	23.00
		25	0	20.13	20.12	20.11	22.00
	64QAM	1	0	20.14	20.25	20.07	22.00
		1	13	20.00	20.16	20.05	22.00
		1	24	20.14	20.15	20.06	22.00
		12	0	20.18	20.07	20.05	22.00
		12	6	20.06	20.13	20.16	22.00
		12	13	20.03	20.12	20.02	22.00
		25	0	19.01	19.20	19.06	21.00
	256QAM	1	0	17.11	17.23	17.15	19.00
		1	13	17.04	17.12	17.07	19.00
		1	24	17.01	17.18	17.13	19.00
		12	0	17.07	17.07	17.03	19.00
		12	6	17.23	17.24	17.02	19.00
		12	13	17.06	17.24	17.03	19.00
		25	0	17.07	17.17	17.00	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	22.04	22.15	22.14	24.00
		1	25	22.14	22.14	22.03	24.00
		1	49	22.00	22.11	22.11	24.00
		25	0	21.11	21.39	21.21	23.00
		25	13	21.18	21.31	21.14	23.00



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		25	25	21.16	21.21	21.19	23.00
		50	0	21.14	21.29	21.13	23.00
	16QAM	1	0	21.15	21.31	21.08	23.00
		1	25	21.19	21.34	21.01	23.00
		1	49	21.24	21.26	21.10	23.00
		25	0	20.19	20.24	20.12	22.00
		25	13	20.19	20.41	20.18	22.00
		25	25	20.12	20.15	20.21	22.00
		50	0	20.09	20.18	20.11	22.00
	64QAM	1	0	20.22	20.29	20.18	22.00
		1	25	20.13	20.36	20.07	22.00
		1	49	20.25	20.31	20.21	22.00
		25	0	19.18	19.23	19.07	21.00
		25	13	19.12	19.22	19.17	21.00
		25	25	19.08	19.35	19.09	21.00
		50	0	19.16	19.35	19.08	21.00
	256QAM	1	0	17.07	17.36	17.08	19.00
		1	25	17.27	17.29	17.13	19.00
		1	49	17.15	17.39	17.14	19.00
		25	0	17.13	17.24	17.07	19.00
		25	13	17.25	17.40	17.08	19.00
		25	25	17.21	17.33	17.08	19.00
		50	0	17.21	17.35	17.00	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	22.10	22.23	22.13	24.00
		1	38	22.14	22.16	22.13	24.00
		1	74	22.04	22.14	22.01	24.00
		36	0	21.10	21.36	21.20	23.00
		36	18	21.18	21.30	21.10	23.00
		36	39	21.20	21.22	21.12	23.00
		75	0	21.09	21.27	21.13	23.00
	16QAM	1	0	21.12	21.22	21.11	23.00
		1	38	21.12	21.25	21.04	23.00
		1	74	21.17	21.36	21.10	23.00
		36	0	20.19	20.29	20.05	22.00
		36	18	20.22	20.39	20.13	22.00
		36	39	20.15	20.23	20.14	22.00
		75	0	20.04	20.14	20.07	22.00
	64QAM	1	0	20.20	20.22	20.22	22.00
		1	38	20.10	20.32	20.08	22.00
		1	74	20.15	20.32	20.17	22.00
		36	0	19.14	19.23	19.02	21.00
		36	18	19.10	19.27	19.20	21.00
		36	39	19.11	19.29	19.06	21.00
		75	0	19.13	19.37	19.15	21.00
	256QAM	1	0	17.07	17.37	17.15	19.00
		1	38	17.19	17.31	17.15	19.00
		1	74	17.17	17.33	17.10	19.00
		36	0	17.08	17.25	17.03	19.00
		36	18	17.19	17.34	17.05	19.00
		36	39	17.16	17.37	17.12	19.00
		75	0	17.19	17.38	17.06	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	22.08	22.29	22.07	24.00
		1	50	22.07	22.18	22.01	24.00



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		1	99	22.03	22.14	22.09	24.00
		50	0	21.10	21.32	21.15	23.00
		50	25	21.13	21.29	21.12	23.00
		50	50	21.13	21.17	21.16	23.00
		100	0	21.11	21.23	21.14	23.00
	16QAM	1	0	21.14	21.25	21.10	23.00
		1	50	21.13	21.29	21.06	23.00
		1	99	21.17	21.29	21.09	23.00
		50	0	20.13	20.23	20.07	22.00
		50	25	20.15	20.34	20.16	22.00
		50	50	20.12	20.20	20.17	22.00
		100	0	20.09	20.18	20.06	22.00
	64QAM	1	0	20.20	20.26	20.17	22.00
		1	50	20.12	20.36	20.07	22.00
		1	99	20.20	20.31	20.17	22.00
		50	0	19.16	19.26	19.06	21.00
		50	25	19.14	19.23	19.18	21.00
		50	50	19.08	19.30	19.03	21.00
		100	0	19.16	19.36	19.12	21.00
	256QAM	1	0	17.11	17.30	17.08	19.00
		1	50	17.21	17.29	17.10	19.00
		1	99	17.17	17.33	17.07	19.00
		50	0	17.08	17.29	17.01	19.00
		50	25	17.20	17.37	17.04	19.00
		50	50	17.21	17.37	17.07	19.00
		100	0	17.16	17.36	17.00	19.00

LTE Band 41 Ant1 Head Standalone & Hotspot Standalone				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel 39675	Channel 40148	Channel 40620	Channel 41093	Channel 41565	Tune up
5MHz	QPSK	1	0	19.75	19.97	20.1	19.82	19.74	21.50
		1	13	19.62	19.84	19.82	19.56	19.55	21.50
		1	24	19.62	19.79	19.87	19.6	19.56	21.50
		12	0	19.86	19.87	19.99	19.8	19.75	21.50
		12	6	19.66	19.92	19.7	19.75	19.59	21.50
		12	13	19.66	19.77	19.75	19.6	19.66	21.50
		25	0	19.61	19.75	19.85	19.51	19.65	21.50
	16QAM	1	0	19.74	19.79	19.86	19.69	19.67	21.50
		1	13	19.6	19.73	19.87	19.56	19.64	21.50
		1	24	19.67	19.88	19.83	19.65	19.62	21.50
		12	0	19.55	19.78	19.95	19.51	19.64	21.50
		12	6	19.56	19.89	19.77	19.55	19.71	21.50
		12	13	19.59	19.8	19.76	19.62	19.72	21.50
		25	0	19.62	19.78	19.8	19.75	19.74	21.50
	64QAM	1	0	19.59	19.74	19.86	19.63	19.61	21.50
		1	13	19.59	19.86	19.82	19.75	19.54	21.50
		1	24	19.58	19.73	19.88	19.67	19.66	21.50
		12	0	19.55	19.72	19.87	19.66	19.63	21.50
		12	6	19.59	19.82	19.87	19.72	19.55	21.50
		12	13	19.56	19.79	19.78	19.66	19.67	21.50
		25	0	19.34	19.45	19.44	19.29	19.26	21.00
	256QAM	1	0	17.38	17.42	17.51	17.31	17.29	19.00
		1	13	17.31	17.39	17.39	17.29	17.23	19.00
		1	24	17.31	17.33	17.42	17.24	17.23	19.00
		12	0	17.27	17.35	17.53	17.27	17.24	19.00
		12	6	17.41	17.38	17.49	17.29	17.25	19.00



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		12	13	17.40	17.53	17.57	17.23	17.34	19.00
		25	0	17.28	17.48	17.40	17.30	17.34	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	19.8	19.94	20.01	19.77	19.78	21.50
		1	25	19.61	19.88	19.75	19.58	19.6	21.50
		1	49	19.64	19.69	19.86	19.58	19.56	21.50
		25	0	19.89	19.78	20.03	19.78	19.72	21.50
		25	13	19.6	19.84	19.68	19.66	19.58	21.50
		25	25	19.61	19.73	19.86	19.54	19.63	21.50
		50	0	19.55	19.69	19.92	19.56	19.58	21.50
	16QAM	1	0	19.72	19.79	19.78	19.63	19.64	21.50
		1	25	19.56	19.66	19.81	19.62	19.55	21.50
		1	49	19.56	19.84	19.81	19.62	19.67	21.50
		25	0	19.56	19.76	19.89	19.58	19.57	21.50
		25	13	19.61	19.86	19.83	19.64	19.7	21.50
		25	25	19.57	19.82	19.84	19.59	19.65	21.50
		50	0	19.63	19.89	19.75	19.71	19.66	21.50
	64QAM	1	0	19.62	19.81	19.80	19.63	19.59	21.50
		1	25	19.58	19.90	19.86	19.73	19.62	21.50
		1	49	19.62	19.73	19.85	19.67	19.61	21.50
		25	0	19.52	19.44	19.48	19.04	19.14	21.00
		25	13	19.31	19.41	19.58	19.03	19.12	21.00
		25	25	19.25	19.41	19.41	19.32	19.11	21.00
		50	0	19.25	19.49	19.46	19.09	19.10	21.00
	256QAM	1	0	17.38	17.45	17.52	17.07	17.10	19.00
		1	25	17.40	17.54	17.54	17.10	17.09	19.00
		1	49	17.36	17.50	17.60	17.16	17.15	19.00
		25	0	17.24	17.43	17.66	17.02	17.15	19.00
		25	13	17.44	17.58	17.54	17.11	17.25	19.00
		25	25	17.30	17.53	17.49	17.09	17.17	19.00
		50	0	17.23	17.45	17.47	17.18	17.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	19.75	19.96	20.09	19.74	19.73	21.50
		1	38	19.64	19.88	19.76	19.56	19.55	21.50
		1	74	19.58	19.8	19.93	19.62	19.65	21.50
		36	0	19.8	19.85	20.04	19.75	19.74	21.50
		36	18	19.68	19.86	19.77	19.67	19.67	21.50
		36	39	19.56	19.82	19.85	19.56	19.65	21.50
		75	0	19.57	19.76	19.94	19.6	19.65	21.50
	16QAM	1	0	19.69	19.8	19.89	19.71	19.65	21.50
		1	38	19.65	19.73	19.81	19.54	19.65	21.50
		1	74	19.63	19.87	19.83	19.6	19.68	21.50
		36	0	19.62	19.71	19.93	19.52	19.55	21.50
		36	18	19.66	19.83	19.82	19.63	19.74	21.50
		36	39	19.64	19.82	19.88	19.6	19.63	21.50
		75	0	19.6	19.87	19.84	19.65	19.74	21.50
	64QAM	1	0	19.55	19.77	19.83	19.58	19.61	21.50
		1	38	19.63	19.82	19.88	19.75	19.56	21.50
		1	74	19.57	19.75	19.80	19.60	19.68	21.50
		36	0	19.40	19.50	19.48	19.21	19.28	21.00
		36	18	19.40	19.36	19.51	19.29	19.34	21.00
		36	39	19.29	19.48	19.48	19.22	19.34	21.00
		75	0	19.35	19.45	19.44	19.30	19.27	21.00
	256QAM	1	0	17.35	17.56	17.47	17.24	17.33	19.00
		1	38	17.41	17.44	17.55	17.32	17.23	19.00



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		1	74	17.31	17.42	17.57	17.14	17.17	19.00
		36	0	17.32	17.49	17.54	17.11	17.08	19.00
		36	18	17.41	17.58	17.55	17.11	17.18	19.00
		36	39	17.25	17.53	17.53	17.11	17.08	19.00
		75	0	17.30	17.54	17.47	17.21	17.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	19.95	20.10	20.24	19.76	19.70	21.50
		1	50	19.82	20.02	19.95	19.58	19.58	21.50
		1	99	19.76	19.93	20.08	19.55	19.58	21.50
		50	0	20.01	20.01	20.17	19.73	19.74	21.50
		50	25	19.84	20.07	19.93	19.68	19.60	21.50
		50	50	19.76	19.97	20.00	19.55	19.66	21.50
		100	0	19.69	19.90	20.09	19.68	19.58	21.50
	16QAM	1	0	19.87	19.97	20.01	19.67	19.66	21.50
		1	50	19.81	19.91	20.02	19.55	19.58	21.50
		1	99	19.81	20.02	19.96	19.65	19.66	21.50
		50	0	19.75	19.93	20.08	19.55	19.60	21.50
		50	25	19.80	20.08	20.02	19.59	19.68	21.50
		50	50	19.78	20.03	20.00	19.60	19.67	21.50
		100	0	19.84	20.01	19.96	19.68	19.67	21.50
	64QAM	1	0	19.73	19.95	20.02	19.60	19.59	21.50
		1	50	19.82	20.02	20.03	19.68	19.59	21.50
		1	99	19.70	19.92	20.01	19.60	19.61	21.50
		50	0	19.74	19.75	19.83	19.36	19.42	21.00
		50	25	19.66	19.69	19.82	19.34	19.37	21.00
		50	50	19.57	19.76	19.73	19.32	19.38	21.00
		100	0	19.59	19.79	19.79	19.39	19.38	21.00
	256QAM	1	0	17.62	17.79	17.81	17.37	17.40	19.00
		1	50	17.69	17.77	17.78	17.42	17.32	19.00
		1	99	17.60	17.73	17.82	17.46	17.42	19.00
		50	0	17.55	17.73	17.88	17.34	17.38	19.00
		50	25	17.69	17.85	17.79	17.42	17.48	19.00
		50	50	17.57	17.79	17.82	17.41	17.43	19.00
		100	0	17.58	17.77	17.75	17.45	17.33	19.00

LTE Band 41 Ant1 Head Simultaneous				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	16.39	16.42	16.62	16.31	16.19	18.00
		1	13	16.19	16.41	16.28	16.15	16.06	18.00
		1	24	16.08	16.33	16.44	16.13	16.1	18.00
		12	0	16.43	16.44	16.51	16.26	16.17	18.00
		12	6	16.23	16.48	16.28	16.14	16.14	18.00
		12	13	16.18	16.43	16.3	16.02	16.2	18.00
		25	0	16.01	16.29	16.44	16.11	16.06	18.00
	16QAM	1	0	16.35	16.38	16.56	16.19	16.16	18.00
		1	13	16.19	16.38	16.35	16.18	16.02	18.00
		1	24	16.12	16.34	16.38	16.03	16.18	18.00
		12	0	16.02	16.25	16.49	16.15	16.14	18.00
		12	6	16.2	16.26	16.43	16.03	16.12	18.00
		12	13	16.28	16.37	16.28	16.14	16.03	18.00
		25	0	16.18	16.41	16.3	16.09	16.1	18.00
	64QAM	1	0	16.20	16.37	16.33	16.06	16.20	18.00
		1	13	16.10	16.37	16.44	16.19	16.06	18.00
		1	24	16.11	16.43	16.31	16.09	16.08	18.00



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	256QAM	12	0	16.17	16.32	16.48	16.00	16.15	18.00
		12	6	16.23	16.53	16.29	16.14	16.09	18.00
		12	13	16.17	16.48	16.29	16.21	16.15	18.00
		25	0	16.20	16.37	16.43	16.11	16.21	18.00
		1	0	16.10	16.29	16.53	16.26	16.05	18.00
		1	13	16.23	16.40	16.26	16.05	16.11	18.00
		1	24	16.16	16.37	16.49	16.11	16.05	18.00
		12	0	16.45	16.33	16.57	16.23	16.29	18.00
		12	6	16.24	16.47	16.24	16.22	16.09	18.00
		12	13	16.15	16.35	16.44	16.12	16.13	18.00
		25	0	16.06	16.31	16.56	16.18	16.06	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	16.38	16.46	16.62	16.27	16.14	18.00
		1	25	16.13	16.39	16.28	16.16	16.1	18.00
		1	49	16.11	16.3	16.43	16.09	16.1	18.00
		25	0	16.47	16.39	16.54	16.28	16.16	18.00
		25	13	16.2	16.47	16.34	16.15	16.05	18.00
		25	25	16.19	16.44	16.36	16.04	16.23	18.00
		50	0	16.01	16.3	16.39	16.14	16.06	18.00
	16QAM	1	0	16.36	16.32	16.53	16.18	16.15	18.00
		1	25	16.17	16.46	16.31	16.2	16.08	18.00
		1	49	16.1	16.33	16.38	16.09	16.13	18.00
		25	0	16.06	16.25	16.47	16.21	16.06	18.00
		25	13	16.14	16.22	16.46	16.1	16.14	18.00
		25	25	16.28	16.46	16.23	16.13	16.07	18.00
		50	0	16.26	16.41	16.27	16.14	16.11	18.00
	64QAM	1	0	16.19	16.36	16.30	16.11	16.20	18.00
		1	25	16.09	16.37	16.40	16.17	16.12	18.00
		1	49	16.20	16.36	16.38	16.05	16.10	18.00
		25	0	16.15	16.28	16.51	16.03	16.14	18.00
		25	13	16.18	16.44	16.26	16.16	16.11	18.00
		25	25	16.18	16.51	16.23	16.17	16.11	18.00
		50	0	16.22	16.34	16.40	16.08	16.13	18.00
	256QAM	1	0	16.12	16.27	16.48	16.20	16.02	18.00
		1	25	16.17	16.35	16.30	16.13	16.09	18.00
		1	49	16.19	16.30	16.39	16.09	16.05	18.00
		25	0	16.41	16.34	16.54	16.27	16.25	18.00
		25	13	16.23	16.38	16.28	16.21	16.09	18.00
		25	25	16.17	16.38	16.37	16.12	16.11	18.00
		50	0	16.00	16.24	16.52	16.23	16.05	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	16.38	16.47	16.63	16.27	16.16	18.00
		1	38	16.2	16.37	16.32	16.11	16.11	18.00
		1	74	16.17	16.4	16.4	16.06	16.13	18.00
		36	0	16.44	16.46	16.61	16.22	16.19	18.00
		36	18	16.23	16.47	16.32	16.21	16.11	18.00
		36	39	16.12	16.38	16.33	16.02	16.24	18.00
		75	0	16.07	16.29	16.48	16.16	16.05	18.00
	16QAM	1	0	16.29	16.31	16.5	16.18	16.17	18.00
		1	38	16.15	16.44	16.29	16.21	16.04	18.00
		1	74	16.11	16.37	16.37	16.01	16.11	18.00
		36	0	16.02	16.19	16.49	16.18	16.13	18.00
		36	18	16.13	16.24	16.44	16.1	16.08	18.00
		36	39	16.27	16.39	16.3	16.15	16.06	18.00
		75	0	16.19	16.47	16.34	16.15	16.06	18.00



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	64QAM	1	0	16.23	16.33	16.29	16.05	16.19	18.00
		1	38	16.08	16.37	16.44	16.17	16.10	18.00
		1	74	16.16	16.35	16.31	16.10	16.10	18.00
		36	0	16.19	16.29	16.41	16.06	16.12	18.00
		36	18	16.19	16.53	16.28	16.12	16.11	18.00
		36	39	16.20	16.47	16.31	16.15	16.08	18.00
		75	0	16.20	16.38	16.37	16.09	16.13	18.00
	256QAM	1	0	16.09	16.23	16.47	16.26	16.08	18.00
		1	38	16.22	16.34	16.29	16.05	16.17	18.00
		1	74	16.15	16.35	16.49	16.09	16.05	18.00
		36	0	16.42	16.36	16.54	16.23	16.27	18.00
		36	18	16.22	16.38	16.31	16.25	16.10	18.00
		36	39	16.17	16.30	16.40	16.12	16.15	18.00
		75	0	16.06	16.28	16.47	16.20	16.13	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	16.47	16.56	16.76	16.36	16.25	18.00
		1	50	16.27	16.48	16.40	16.18	16.18	18.00
		1	99	16.24	16.47	16.54	16.16	16.22	18.00
		50	0	16.55	16.54	16.68	16.36	16.30	18.00
		50	25	16.35	16.61	16.43	16.26	16.17	18.00
		50	50	16.26	16.52	16.46	16.15	16.27	18.00
		100	0	16.15	16.40	16.55	16.29	16.18	18.00
	16QAM	1	0	16.46	16.48	16.63	16.37	16.35	18.00
		1	50	16.31	16.54	16.43	16.32	16.20	18.00
		1	99	16.25	16.49	16.51	16.14	16.20	18.00
		50	0	16.15	16.36	16.63	16.31	16.17	18.00
		50	25	16.28	16.38	16.54	16.15	16.23	18.00
		50	50	16.36	16.53	16.39	16.27	16.10	18.00
		100	0	16.35	16.55	16.41	16.19	16.17	18.00
	64QAM	1	0	16.30	16.46	16.46	16.13	16.28	18.00
		1	50	16.19	16.44	16.55	16.32	16.22	18.00
		1	99	16.27	16.52	16.48	16.16	16.19	18.00
		50	0	16.29	16.44	16.58	16.11	16.22	18.00
		50	25	16.32	16.60	16.43	16.19	16.21	18.00
		50	50	16.31	16.62	16.38	16.28	16.23	18.00
		100	0	16.31	16.49	16.51	16.23	16.27	18.00
	256QAM	1	0	16.21	16.36	16.60	16.30	16.10	18.00
		1	50	16.34	16.51	16.41	16.23	16.24	18.00
		1	99	16.29	16.45	16.56	16.19	16.21	18.00
		50	0	16.55	16.47	16.67	16.31	16.37	18.00
		50	25	16.33	16.54	16.40	16.31	16.21	18.00
		50	50	16.25	16.46	16.52	16.21	16.17	18.00
		100	0	16.14	16.39	16.63	16.33	16.18	18.00

LTE Band 41 Ant1 Hotspot Simultaneous				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	18.86	19.03	19.13	18.63	18.55	20.50
		1	13	18.64	18.87	18.84	18.61	18.54	20.50
		1	24	18.64	18.86	18.96	18.62	18.5	20.50
		12	0	18.86	18.89	19.11	18.63	18.61	20.50
		12	6	18.75	18.96	18.79	18.6	18.51	20.50
		12	13	18.66	18.86	18.83	18.6	18.52	20.50
		25	0	18.51	18.81	19.01	18.57	18.5	20.50
	16QAM	1	0	18.71	18.81	18.93	18.61	18.6	20.50



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		1	13	18.66	18.81	18.89	18.62	18.53	20.50
		1	24	18.76	18.97	18.88	18.6	18.61	20.50
		12	0	18.62	18.87	19.04	18.57	18.51	20.50
		12	6	18.63	18.94	18.97	18.56	18.53	20.50
		12	13	18.69	18.93	18.93	18.52	18.58	20.50
		25	0	18.72	18.94	18.89	18.63	18.6	20.50
	64QAM	1	0	18.56	18.78	18.89	18.50	18.52	20.50
		1	13	18.75	18.94	18.94	18.58	18.53	20.50
		1	24	18.53	18.81	18.85	18.52	18.51	20.50
		12	0	18.57	18.63	18.81	18.53	18.51	20.50
		12	6	18.57	18.61	18.63	18.56	18.54	20.50
		12	13	18.53	18.70	18.62	18.57	18.52	20.50
	256QAM	25	0	18.52	18.75	18.70	18.59	18.53	20.50
		1	0	17.38	17.42	17.51	17.31	17.29	19.00
		1	13	17.31	17.39	17.39	17.29	17.23	19.00
		1	24	17.31	17.33	17.42	17.24	17.23	19.00
		12	0	17.27	17.35	17.53	17.27	17.24	19.00
		12	6	17.41	17.38	17.49	17.29	17.25	19.00
10MHz	QPSK	12	13	17.40	17.53	17.57	17.23	17.34	19.00
		25	0	17.28	17.48	17.40	17.30	17.34	19.00
	16QAM	1	0	18.84	19.01	19.18	18.66	18.55	20.50
		1	25	18.71	18.95	18.77	18.57	18.52	20.50
		1	49	18.65	18.87	18.92	18.62	18.51	20.50
		25	0	18.92	18.95	19.04	18.64	18.58	20.50
		25	13	18.82	18.89	18.83	18.59	18.52	20.50
		25	25	18.65	18.85	18.88	18.63	18.51	20.50
	64QAM	50	0	18.52	18.82	18.98	18.57	18.5	20.50
		1	0	18.7	18.83	18.96	18.59	18.6	20.50
		1	25	18.67	18.82	18.96	18.61	18.5	20.50
		1	49	18.76	18.9	18.87	18.55	18.55	20.50
		25	0	18.68	18.87	18.99	18.62	18.53	20.50
		25	13	18.65	18.93	18.98	18.55	18.5	20.50
15MHz	QPSK	25	25	18.65	18.88	18.96	18.51	18.56	20.50
		50	0	18.77	18.95	18.86	18.58	18.54	20.50
		1	0	18.61	18.83	18.87	18.52	18.52	20.50
		1	25	18.70	18.89	18.97	18.57	18.51	20.50
		1	49	18.57	18.75	18.84	18.59	18.51	20.50
		25	0	18.57	18.61	18.73	18.59	18.51	20.50
	16QAM	25	13	18.63	18.62	18.63	18.59	18.52	20.50
		25	25	18.54	18.65	18.67	18.63	18.52	20.50
		50	0	18.53	18.66	18.74	18.54	18.51	20.50
		1	0	17.38	17.45	17.52	17.07	17.10	19.00
		1	25	17.40	17.54	17.54	17.10	17.09	19.00
		1	49	17.36	17.50	17.60	17.16	17.15	19.00
	64QAM	25	0	17.24	17.43	17.66	17.02	17.15	19.00
		25	13	17.44	17.58	17.54	17.11	17.25	19.00
		25	25	17.30	17.53	17.49	17.09	17.17	19.00
		50	0	17.23	17.45	17.47	17.18	17.13	19.00
		1	0	18.87	19.05	19.19	18.71	18.58	20.50
		1	38	18.67	18.89	18.81	18.64	18.55	20.50
	256QAM	1	74	18.7	18.81	18.99	18.6	18.52	20.50
		36	0	18.92	18.94	19.1	18.64	18.6	20.50
		36	18	18.74	18.92	18.85	18.55	18.51	20.50



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		36	39	18.67	18.86	18.83	18.63	18.52	20.50
		75	0	18.52	18.88	18.97	18.59	18.53	20.50
	16QAM	1	0	18.7	18.84	18.95	18.55	18.56	20.50
		1	38	18.68	18.85	18.93	18.6	18.55	20.50
		1	74	18.74	18.91	18.87	18.55	18.54	20.50
		36	0	18.64	18.8	19.06	18.58	18.51	20.50
		36	18	18.64	18.97	19.01	18.54	18.53	20.50
		36	39	18.65	18.87	18.95	18.56	18.56	20.50
		75	0	18.72	18.95	18.87	18.66	18.61	20.50
	64QAM	1	0	18.62	18.81	18.89	18.53	18.53	20.50
		1	38	18.70	18.93	18.98	18.53	18.51	20.50
		1	74	18.51	18.76	18.89	18.55	18.50	20.50
		36	0	18.60	18.59	18.77	18.54	18.52	20.50
		36	18	18.63	18.57	18.64	18.65	18.52	20.50
		36	39	18.53	18.66	18.64	18.60	18.51	20.50
		75	0	18.52	18.69	18.71	18.59	18.50	20.50
	256QAM	1	0	17.35	17.56	17.47	17.24	17.33	19.00
		1	38	17.41	17.44	17.55	17.32	17.23	19.00
		1	74	17.31	17.42	17.57	17.14	17.17	19.00
		36	0	17.32	17.49	17.54	17.11	17.08	19.00
		36	18	17.41	17.58	17.55	17.11	17.18	19.00
		36	39	17.25	17.53	17.53	17.11	17.08	19.00
		75	0	17.30	17.54	17.47	17.21	17.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	18.96	19.13	19.25	18.78	18.68	20.50
		1	50	18.78	19.01	18.91	18.70	18.61	20.50
		1	99	18.78	18.95	19.06	18.69	18.59	20.50
		50	0	18.99	19.04	19.17	18.77	18.72	20.50
		50	25	18.88	19.04	18.93	18.68	18.59	20.50
		50	50	18.80	18.99	18.96	18.71	18.60	20.50
		100	0	18.65	18.95	19.09	18.69	18.61	20.50
	16QAM	1	0	18.84	18.93	19.05	18.68	18.67	20.50
		1	50	18.80	18.93	19.03	18.69	18.60	20.50
		1	99	18.82	19.04	19.00	18.66	18.68	20.50
		50	0	18.75	18.95	19.12	18.70	18.59	20.50
		50	25	18.76	19.03	19.07	18.69	18.60	20.50
		50	50	18.77	18.99	19.03	18.62	18.71	20.50
		100	0	18.85	19.06	18.99	18.72	18.68	20.50
	64QAM	1	0	18.69	18.92	19.01	18.62	18.60	20.50
		1	50	18.82	19.04	19.04	18.67	18.56	20.50
		1	99	18.65	18.90	18.97	18.58	18.61	20.50
		50	0	18.70	18.71	18.88	18.68	18.61	20.50
		50	25	18.70	18.69	18.77	18.71	18.60	20.50
		50	50	18.60	18.78	18.75	18.70	18.58	20.50
		100	0	18.56	18.81	18.81	18.69	18.59	20.50
	256QAM	1	0	17.62	17.79	17.81	17.37	17.40	19.00
		1	50	17.69	17.77	17.78	17.42	17.32	19.00
		1	99	17.60	17.73	17.82	17.46	17.42	19.00
		50	0	17.55	17.73	17.88	17.34	17.38	19.00
		50	25	17.69	17.85	17.79	17.42	17.48	19.00
		50	50	17.57	17.79	17.82	17.41	17.43	19.00
		100	0	17.58	17.77	17.75	17.45	17.33	19.00



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LTE Band 41 Ant1 Body				Conducted Power(dBm)					
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39675	40148	40620	41093	41565	
5MHz	QPSK	1	0	22.3	22.5	22.44	22.04	22.12	24.00
		1	13	22.12	22.25	22.35	22.02	22.01	24.00
		1	24	22.16	22.3	22.38	22.09	22.02	24.00
		12	0	22.28	22.43	22.4	22.05	22.14	24.00
		12	6	22.25	22.27	22.29	22.07	22.07	24.00
		12	13	22.1	22.41	22.33	22.01	22.06	24.00
		25	0	21.34	21.53	21.49	21.13	21.08	23.00
	16QAM	1	0	21.35	21.44	21.39	21.17	21.28	23.00
		1	13	21.32	21.4	21.41	21.09	21.01	23.00
		1	24	21.24	21.29	21.47	21.24	21.2	23.00
		12	0	21.4	21.44	21.51	21.17	21.06	23.00
		12	6	21.27	21.34	21.46	21.03	21.15	23.00
		12	13	21.31	21.47	21.44	21.06	21.02	23.00
		25	0	20.38	20.44	20.53	20.08	20.12	22.00
	64QAM	1	0	20.19	20.54	20.47	20.07	20.13	22.00
		1	13	20.41	20.49	20.49	20.02	20.08	22.00
		1	24	20.27	20.39	20.51	20.13	20.05	22.00
		12	0	20.21	20.29	20.44	20.12	20.18	22.00
		12	6	20.24	20.33	20.45	20.05	20.08	22.00
		12	13	20.27	20.51	20.49	20.09	20.10	22.00
		25	0	19.34	19.45	19.44	19.09	19.06	21.00
	256QAM	1	0	17.38	17.42	17.51	17.11	17.09	19.00
		1	13	17.31	17.39	17.39	17.09	17.03	19.00
		1	24	17.31	17.33	17.42	17.04	17.03	19.00
		12	0	17.27	17.35	17.53	17.07	17.04	19.00
		12	6	17.41	17.38	17.49	17.09	17.05	19.00
		12	13	17.40	17.53	17.57	17.03	17.14	19.00
		25	0	17.28	17.48	17.40	17.10	17.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39700	40160	40620	41080	41540	
10MHz	QPSK	1	0	22.38	22.52	22.63	22.05	22.14	24.00
		1	25	22.18	22.45	22.45	22.06	22.09	24.00
		1	49	22.16	22.37	22.49	22.02	22.02	24.00
		25	0	21.25	21.41	21.64	21.22	21.14	23.00
		25	13	21.35	21.47	21.48	21.04	21.15	23.00
		25	25	21.28	21.43	21.48	21.04	21.11	23.00
		50	0	21.4	21.52	21.58	21.05	21.11	23.00
	16QAM	1	0	21.28	21.44	21.5	21.07	21.19	23.00
		1	25	21.36	21.44	21.45	21.03	21.06	23.00
		1	49	21.35	21.46	21.4	21.04	21.09	23.00
		25	0	20.38	20.47	20.49	20.09	20.17	22.00
		25	13	20.36	20.45	20.57	20.19	20.07	22.00
		25	25	20.38	20.42	20.52	20.19	20.11	22.00
		50	0	20.34	20.47	20.63	20.07	20.13	22.00
	64QAM	1	0	20.31	20.55	20.47	20.16	20.08	22.00
		1	25	20.46	20.42	20.42	20.04	20.14	22.00
		1	49	20.30	20.51	20.58	20.15	20.05	22.00
		25	0	19.52	19.44	19.48	19.04	19.14	21.00
		25	13	19.31	19.41	19.58	19.03	19.12	21.00
		25	25	19.25	19.41	19.41	19.32	19.11	21.00
		50	0	19.25	19.49	19.46	19.09	19.10	21.00
	256QAM	1	0	17.38	17.45	17.52	17.07	17.10	19.00
		1	25	17.40	17.54	17.54	17.10	17.09	19.00



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		1	49	17.36	17.50	17.60	17.16	17.15	19.00
		25	0	17.24	17.43	17.66	17.02	17.15	19.00
		25	13	17.44	17.58	17.54	17.11	17.25	19.00
		25	25	17.30	17.53	17.49	17.09	17.17	19.00
		50	0	17.23	17.45	17.47	17.18	17.13	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39725	40173	40620	41068	41515	
15MHz	QPSK	1	0	22.34	22.5	22.6	22.17	22.19	24.00
		1	38	22.3	22.46	22.37	22.08	22.03	24.00
		1	74	22.16	22.37	22.38	22.05	22.08	24.00
		36	0	21.3	21.47	21.61	21.24	21.15	23.00
		36	18	21.34	21.45	21.55	21.02	21.12	23.00
		36	39	21.2	21.41	21.51	21.13	21.09	23.00
		75	0	21.36	21.55	21.58	21.08	21.13	23.00
	16QAM	1	0	21.33	21.4	21.54	21.16	21.1	23.00
		1	38	21.44	21.52	21.42	21.1	21.08	23.00
		1	74	21.43	21.5	21.48	21.01	21.06	23.00
		36	0	20.44	20.45	20.61	20.11	20.17	22.00
		36	18	20.3	20.46	20.51	20.15	20.08	22.00
		36	39	20.36	20.43	20.5	20.14	20.07	22.00
		75	0	20.35	20.42	20.56	20.12	20.14	22.00
	64QAM	1	0	20.33	20.50	20.42	20.19	20.08	22.00
		1	38	20.42	20.41	20.40	20.04	20.14	22.00
		1	74	20.29	20.57	20.54	20.23	20.10	22.00
		36	0	19.40	19.50	19.48	19.01	19.08	21.00
		36	18	19.40	19.36	19.51	19.09	19.14	21.00
		36	39	19.29	19.48	19.48	19.02	19.14	21.00
		75	0	19.35	19.45	19.44	19.10	19.07	21.00
	256QAM	1	0	17.35	17.56	17.47	17.04	17.13	19.00
		1	38	17.41	17.44	17.55	17.12	17.03	19.00
		1	74	17.31	17.42	17.57	17.14	17.17	19.00
		36	0	17.32	17.49	17.54	17.11	17.08	19.00
		36	18	17.41	17.58	17.55	17.11	17.18	19.00
		36	39	17.25	17.53	17.53	17.11	17.08	19.00
		75	0	17.30	17.54	17.47	17.21	17.01	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Channel	Channel	Tune up
				39750	40185	40620	41055	41490	
20MHz	QPSK	1	0	22.66	22.75	22.86	22.40	22.43	24.00
		1	50	22.52	22.71	22.67	22.31	22.31	24.00
		1	99	22.44	22.65	22.72	22.28	22.32	24.00
		50	0	21.59	21.71	21.87	21.47	21.45	23.00
		50	25	21.63	21.78	21.77	21.35	21.42	23.00
		50	50	21.54	21.71	21.77	21.38	21.33	23.00
		100	0	21.64	21.78	21.83	21.33	21.34	23.00
	16QAM	1	0	21.56	21.71	21.80	21.40	21.42	23.00
		1	50	21.67	21.78	21.76	21.32	21.40	23.00
		1	99	21.67	21.75	21.73	21.35	21.36	23.00
		50	0	20.68	20.80	20.83	20.36	20.39	22.00
		50	25	20.62	20.72	20.83	20.45	20.39	22.00
		50	50	20.67	20.76	20.75	20.45	20.33	22.00
		100	0	20.66	20.72	20.85	20.40	20.40	22.00
	64QAM	1	0	20.60	20.84	20.75	20.50	20.32	22.00
		1	50	20.71	20.76	20.75	20.35	20.46	22.00
		1	99	20.56	20.82	20.81	20.47	20.35	22.00
		50	0	19.74	19.75	19.83	19.36	19.42	21.00
		50	25	19.66	19.69	19.82	19.34	19.37	21.00
		50	50	19.57	19.76	19.73	19.32	19.38	21.00



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		100	0	19.59	19.79	19.79	19.39	19.38	21.00
	256QAM	1	0	17.62	17.79	17.81	17.37	17.40	19.00
		1	50	17.69	17.77	17.78	17.42	17.32	19.00
		1	99	17.60	17.73	17.82	17.46	17.42	19.00
		50	0	17.55	17.73	17.88	17.34	17.38	19.00
		50	25	17.69	17.85	17.79	17.42	17.48	19.00
		50	50	17.57	17.79	17.82	17.41	17.43	19.00
		100	0	17.58	17.77	17.75	17.45	17.33	19.00

LTE Band 42 Ant0 Head Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	19.54	19.66	19.39	20.50
		1	13	19.33	19.54	19.31	20.50
		1	24	19.46	19.58	19.35	20.50
		12	0	19.46	19.62	19.40	20.50
		12	6	19.39	19.60	19.28	20.50
		12	13	19.39	19.41	19.34	20.50
		25	0	19.51	19.60	19.39	20.50
	16QAM	1	0	19.33	19.55	19.27	20.50
		1	13	19.40	19.52	19.26	20.50
		1	24	19.47	19.41	19.28	20.50
		12	0	19.41	19.45	19.36	20.50
		12	6	19.39	19.53	19.30	20.50
		12	13	19.46	19.54	19.35	20.50
		25	0	19.48	19.46	19.38	20.50
	64QAM	1	0	19.35	19.53	19.29	20.50
		1	13	19.33	19.59	19.38	20.50
		1	24	19.43	19.43	19.32	20.50
		12	0	19.38	19.48	19.37	20.50
		12	6	19.47	19.55	19.23	20.50
		12	13	19.33	19.50	19.38	20.50
		25	0	19.29	19.55	19.37	20.50
	256QAM	1	0	17.88	17.98	17.86	19.00
		1	13	17.79	17.96	17.79	19.00
		1	24	17.81	18.05	17.82	19.00
		12	0	17.91	18.05	17.79	19.00
		12	6	17.83	18.01	17.84	19.00
		12	13	17.83	18.01	17.80	19.00
		25	0	17.77	18.04	17.77	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	19.54	19.59	19.39	20.50
		1	25	19.25	19.50	19.38	20.50
		1	49	19.41	19.55	19.30	20.50
		25	0	19.51	19.59	19.42	20.50



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		25	13	19.43	19.50	19.29	20.50
		25	25	19.40	19.45	19.26	20.50
		50	0	19.49	19.57	19.51	20.50
	16QAM	1	0	19.31	19.56	19.30	20.50
		1	25	19.38	19.50	19.26	20.50
		1	49	19.37	19.41	19.38	20.50
		25	0	19.45	19.47	19.28	20.50
		25	13	19.43	19.61	19.37	20.50
		25	25	19.43	19.46	19.33	20.50
		50	0	19.38	19.47	19.34	20.50
	64QAM	1	0	19.40	19.54	19.27	20.50
		1	25	19.40	19.51	19.31	20.50
		1	49	19.33	19.43	19.29	20.50
		25	0	19.35	19.41	19.39	20.50
		25	13	19.47	19.45	19.24	20.50
		25	25	19.34	19.44	19.28	20.50
		50	0	19.29	19.51	19.25	20.50
	256QAM	1	0	17.82	17.97	17.75	19.00
		1	25	17.86	18.02	17.82	19.00
		1	49	17.88	18.02	17.75	19.00
		25	0	17.82	18.05	17.87	19.00
		25	13	17.80	17.96	17.81	19.00
		25	25	17.85	18.03	17.81	19.00
		50	0	17.83	18.04	17.77	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	19.52	19.57	19.41	20.50
		1	38	19.26	19.52	19.40	20.50
		1	74	19.46	19.61	19.38	20.50
		36	0	19.50	19.58	19.41	20.50
		36	18	19.40	19.56	19.28	20.50
		36	39	19.36	19.48	19.33	20.50
		75	0	19.57	19.58	19.51	20.50
	16QAM	1	0	19.35	19.62	19.26	20.50
		1	38	19.33	19.45	19.36	20.50
		1	74	19.42	19.44	19.34	20.50
		36	0	19.45	19.54	19.32	20.50
		36	18	19.41	19.61	19.40	20.50
		36	39	19.42	19.44	19.43	20.50
		75	0	19.38	19.44	19.28	20.50
	64QAM	1	0	19.30	19.52	19.24	20.50
		1	38	19.38	19.59	19.39	20.50
		1	74	19.43	19.54	19.34	20.50
		36	0	19.33	19.42	19.30	20.50
		36	18	19.50	19.46	19.31	20.50



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		36	39	19.37	19.48	19.31	20.50
		75	0	19.31	19.48	19.34	20.50
	256QAM	1	0	17.90	18.03	17.87	19.00
		1	38	17.75	18.00	17.84	19.00
		1	74	17.87	18.00	17.79	19.00
		36	0	17.80	17.94	17.83	19.00
		36	18	17.84	17.95	17.79	19.00
		36	39	17.83	18.02	17.73	19.00
		75	0	17.80	18.04	17.72	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	19.71	19.80	19.60	20.50
		1	50	19.48	19.66	19.54	20.50
		1	99	19.62	19.74	19.52	20.50
		50	0	19.65	19.78	19.62	20.50
		50	25	19.58	19.75	19.45	20.50
		50	50	19.57	19.63	19.51	20.50
		100	0	19.72	19.73	19.63	20.50
	16QAM	1	0	19.48	19.75	19.45	20.50
		1	50	19.57	19.66	19.50	20.50
		1	99	19.62	19.65	19.52	20.50
		50	0	19.59	19.68	19.52	20.50
		50	25	19.62	19.75	19.53	20.50
		50	50	19.63	19.67	19.56	20.50
		100	0	19.63	19.67	19.52	20.50
	64QAM	1	0	19.54	19.73	19.48	20.50
		1	50	19.53	19.75	19.54	20.50
		1	99	19.57	19.67	19.47	20.50
		50	0	19.57	19.64	19.51	20.50
		50	25	19.63	19.68	19.45	20.50
		50	50	19.52	19.63	19.50	20.50
		100	0	19.52	19.73	19.49	20.50
	256QAM	1	0	18.14	18.30	18.11	19.00
		1	50	18.10	18.30	18.13	19.00
		1	99	18.15	18.31	18.10	19.00
		50	0	18.14	18.29	18.10	19.00
		50	25	18.15	18.25	18.14	19.00
		50	50	18.18	18.29	18.09	19.00
		100	0	18.10	18.32	18.07	19.00

LTE Band 42 Ant0 Head Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	16.87	17.06	16.75	18.00
		1	13	16.57	16.69	16.56	18.00
		1	24	16.56	16.89	16.63	18.00
		12	0	16.76	16.89	16.67	18.00
		12	6	16.56	16.80	16.72	18.00
		12	13	16.65	16.89	16.70	18.00
		25	0	16.56	16.66	16.69	18.00



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	16QAM	1	0	16.59	16.82	16.61	18.00
		1	13	16.67	16.69	16.70	18.00
		1	24	16.67	16.80	16.60	18.00
		12	0	16.67	16.74	16.60	18.00
		12	6	16.73	16.78	16.62	18.00
		12	13	16.56	16.78	16.72	18.00
		25	0	16.65	16.78	16.74	18.00
	64QAM	1	0	16.65	16.58	16.76	18.00
		1	13	16.71	16.82	16.56	18.00
		1	24	16.65	16.72	16.68	18.00
		12	0	16.71	16.81	16.56	18.00
		12	6	16.69	16.64	16.68	18.00
		12	13	16.65	16.87	16.71	18.00
		25	0	16.60	16.75	16.59	18.00
	256QAM	1	0	16.79	16.72	16.59	18.00
		1	13	16.62	16.79	16.62	18.00
		1	24	16.62	16.72	16.71	18.00
		12	0	16.65	16.67	16.78	18.00
		12	6	16.65	16.75	16.61	18.00
		12	13	16.60	16.68	16.65	18.00
		25	0	16.70	16.86	16.62	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	16.88	16.96	16.68	18.00
		1	25	16.56	16.70	16.62	18.00
		1	49	16.63	16.82	16.67	18.00
		25	0	16.82	16.89	16.68	18.00
		25	13	16.55	16.70	16.70	18.00
		25	25	16.58	16.83	16.62	18.00
		50	0	16.51	16.74	16.60	18.00
	16QAM	1	0	16.64	16.73	16.59	18.00
		1	25	16.67	16.70	16.72	18.00
		1	49	16.64	16.82	16.61	18.00
		25	0	16.62	16.77	16.62	18.00
		25	13	16.71	16.75	16.66	18.00
		25	25	16.61	16.79	16.70	18.00
		50	0	16.61	16.73	16.73	18.00
	64QAM	1	0	16.66	16.67	16.73	18.00
		1	25	16.74	16.83	16.58	18.00
		1	49	16.59	16.68	16.69	18.00
		25	0	16.67	16.79	16.60	18.00
		25	13	16.70	16.71	16.68	18.00
		25	25	16.66	16.90	16.68	18.00
		50	0	16.59	16.76	16.68	18.00
	256QAM	1	0	16.78	16.74	16.58	18.00



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		1	25	16.69	16.78	16.65	18.00
		1	49	16.66	16.67	16.67	18.00
		25	0	16.58	16.72	16.74	18.00
		25	13	16.68	16.77	16.54	18.00
		25	25	16.65	16.68	16.69	18.00
		50	0	16.64	16.80	16.60	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	16.85	16.96	16.78	18.00
		1	38	16.54	16.72	16.58	18.00
		1	74	16.61	16.83	16.69	18.00
		36	0	16.83	16.92	16.69	18.00
		36	18	16.51	16.70	16.75	18.00
		36	39	16.61	16.88	16.69	18.00
		75	0	16.56	16.75	16.68	18.00
	16QAM	1	0	16.65	16.74	16.54	18.00
		1	38	16.65	16.64	16.66	18.00
		1	74	16.67	16.80	16.62	18.00
		36	0	16.63	16.74	16.66	18.00
		36	18	16.69	16.73	16.64	18.00
		36	39	16.66	16.80	16.73	18.00
		75	0	16.61	16.73	16.69	18.00
	64QAM	1	0	16.60	16.63	16.73	18.00
		1	38	16.73	16.78	16.63	18.00
		1	74	16.62	16.76	16.77	18.00
		36	0	16.69	16.87	16.58	18.00
		36	18	16.63	16.64	16.65	18.00
		36	39	16.62	16.84	16.69	18.00
		75	0	16.52	16.77	16.67	18.00
	256QAM	1	0	16.73	16.73	16.56	18.00
		1	38	16.67	16.85	16.66	18.00
		1	74	16.60	16.70	16.71	18.00
		36	0	16.57	16.64	16.77	18.00
		36	18	16.66	16.75	16.61	18.00
		36	39	16.59	16.73	16.68	18.00
		75	0	16.66	16.90	16.64	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	16.96	17.13	16.84	18.00
		1	50	16.70	16.82	16.69	18.00
		1	99	16.71	16.95	16.78	18.00
		50	0	16.91	17.02	16.80	18.00
		50	25	16.62	16.86	16.83	18.00
		50	50	16.74	16.98	16.77	18.00
		100	0	16.65	16.81	16.76	18.00
	16QAM	1	0	16.74	16.89	16.71	18.00
		1	50	16.76	16.78	16.81	18.00



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		1	99	16.80	16.91	16.70	18.00
		50	0	16.76	16.89	16.74	18.00
		50	25	16.82	16.87	16.79	18.00
		50	50	16.73	16.89	16.83	18.00
		100	0	16.73	16.84	16.84	18.00
	64QAM	1	0	16.76	16.74	16.83	18.00
		1	50	16.81	16.93	16.72	18.00
		1	99	16.74	16.82	16.85	18.00
		50	0	16.78	16.96	16.71	18.00
		50	25	16.76	16.81	16.82	18.00
		50	50	16.76	16.98	16.81	18.00
		100	0	16.66	16.89	16.75	18.00
	256QAM	1	0	16.88	16.85	16.71	18.00
		1	50	16.79	16.91	16.78	18.00
		1	99	16.76	16.81	16.81	18.00
		50	0	16.74	16.81	16.87	18.00
		50	25	16.80	16.84	16.69	18.00
		50	50	16.73	16.84	16.80	18.00
		100	0	16.79	16.97	16.72	18.00

LTE Band 42 Ant0 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	22.93	23.07	22.85	24.00
		1	13	22.83	23.00	22.85	24.00
		1	24	22.92	22.98	22.84	24.00
		12	0	22.97	23.12	22.90	24.00
		12	6	22.85	23.04	22.74	24.00
		12	13	22.84	23.03	22.83	24.00
		25	0	21.80	21.92	21.71	23.00
	16QAM	1	0	21.86	21.90	21.82	23.00
		1	13	21.85	22.03	21.82	23.00
		1	24	21.83	21.92	21.81	23.00
		12	0	21.85	22.08	21.75	23.00
		12	6	21.78	21.93	21.83	23.00
		12	13	21.82	22.07	21.80	23.00
		25	0	20.89	20.92	20.83	22.00
	64QAM	1	0	20.85	20.99	20.76	22.00
		1	13	20.84	21.01	20.81	22.00
		1	24	20.88	21.05	20.81	22.00
		12	0	20.80	20.97	20.76	22.00
		12	6	20.82	21.07	20.82	22.00
		12	13	20.87	20.92	20.76	22.00
		25	0	19.87	19.96	19.78	21.00
	256QAM	1	0	17.88	17.98	17.86	19.00
		1	13	17.79	17.96	17.79	19.00
		1	24	17.81	18.05	17.82	19.00
		12	0	17.91	18.05	17.79	19.00



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		12	6	17.83	18.01	17.84	19.00
		12	13	17.83	18.01	17.80	19.00
		25	0	17.77	18.04	17.77	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	22.99	23.12	22.90	24.00
		1	25	22.83	22.95	22.73	24.00
		1	49	22.81	22.99	22.84	24.00
		25	0	21.87	22.06	21.78	23.00
		25	13	21.79	22.01	21.84	23.00
		25	25	21.88	21.98	21.78	23.00
		50	0	21.82	21.98	21.73	23.00
	16QAM	1	0	21.84	21.91	21.84	23.00
		1	25	21.75	22.00	21.74	23.00
		1	49	21.80	21.99	21.73	23.00
		25	0	20.80	21.02	20.76	22.00
		25	13	20.77	20.96	20.86	22.00
		25	25	20.79	21.01	20.80	22.00
		50	0	20.82	20.90	20.78	22.00
	64QAM	1	0	20.79	20.99	20.77	22.00
		1	25	20.82	21.02	20.83	22.00
		1	49	20.80	21.06	20.83	22.00
		25	0	19.89	19.94	19.79	21.00
		25	13	19.87	20.00	19.74	21.00
		25	25	19.81	20.05	19.77	21.00
		50	0	19.86	19.92	19.81	21.00
	256QAM	1	0	17.82	17.97	17.75	19.00
		1	25	17.86	18.02	17.82	19.00
		1	49	17.88	18.02	17.75	19.00
		25	0	17.82	18.05	17.87	19.00
		25	13	17.80	17.96	17.81	19.00
		25	25	17.85	18.03	17.81	19.00
		50	0	17.83	18.04	17.77	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	22.94	23.14	22.92	24.00
		1	38	22.86	22.97	22.86	24.00
		1	74	22.88	22.99	22.74	24.00
		36	0	21.86	21.99	21.81	23.00
		36	18	21.79	21.96	21.83	23.00
		36	39	21.83	22.07	21.83	23.00
		75	0	21.88	21.90	21.78	23.00
	16QAM	1	0	21.77	21.90	21.78	23.00
		1	38	21.82	21.96	21.83	23.00
		1	74	21.88	22.03	21.77	23.00



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		36	0	20.88	20.96	20.84	22.00
		36	18	20.76	21.00	20.79	22.00
		36	39	20.83	21.03	20.82	22.00
		75	0	20.86	20.89	20.79	22.00
	64QAM	1	0	20.79	20.96	20.80	22.00
		1	38	20.79	21.02	20.82	22.00
		1	74	20.89	20.95	20.82	22.00
		36	0	19.88	19.94	19.84	21.00
		36	18	19.92	20.05	19.72	21.00
		36	39	19.77	20.01	19.88	21.00
		75	0	19.87	20.02	19.88	21.00
	256QAM	1	0	17.90	18.03	17.87	19.00
		1	38	17.75	18.00	17.84	19.00
		1	74	17.87	18.00	17.79	19.00
		36	0	17.80	17.94	17.83	19.00
		36	18	17.84	17.95	17.79	19.00
		36	39	17.83	18.02	17.73	19.00
		75	0	17.80	18.04	17.72	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	23.24	23.38	23.21	24.00
		1	50	23.12	23.28	23.09	24.00
		1	99	23.17	23.28	23.09	24.00
		50	0	22.10	22.32	22.08	23.00
		50	25	22.14	22.24	22.09	23.00
		50	50	22.16	22.31	22.11	23.00
		100	0	22.15	22.26	22.06	23.00
	16QAM	1	0	22.10	22.24	22.09	23.00
		1	50	22.11	22.30	22.08	23.00
		1	99	22.13	22.27	22.06	23.00
		50	0	21.14	21.27	21.07	22.00
		50	25	21.11	21.32	21.10	22.00
		50	50	21.11	21.27	21.11	22.00
		100	0	21.16	21.24	21.07	22.00
	64QAM	1	0	21.11	21.26	21.07	22.00
		1	50	21.12	21.26	21.09	22.00
		1	99	21.13	21.30	21.07	22.00
		50	0	20.18	20.24	20.13	21.00
		50	25	20.18	20.31	20.08	21.00
		50	50	20.11	20.30	20.12	21.00
		100	0	20.18	20.28	20.14	21.00
	256QAM	1	0	18.14	18.30	18.11	19.00
		1	50	18.10	18.30	18.13	19.00
		1	99	18.15	18.31	18.10	19.00
		50	0	18.14	18.29	18.10	19.00
		50	25	18.15	18.25	18.14	19.00
		50	50	18.18	18.29	18.09	19.00
		100	0	18.10	18.32	18.07	19.00



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LTE Band 42 Ant0 Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42115	42590	43065	
5MHz	QPSK	1	0	21.43	21.60	21.47	22.50
		1	13	21.31	21.44	21.33	22.50
		1	24	21.24	21.39	21.35	22.50
		12	0	21.46	21.52	21.38	22.50
		12	6	21.34	21.45	21.25	22.50
		12	13	21.40	21.38	21.21	22.50
		25	0	21.35	21.51	21.18	22.50
	16QAM	1	0	21.32	21.42	21.34	22.50
		1	13	21.37	21.47	21.33	22.50
		1	24	21.34	21.41	21.20	22.50
		12	0	21.35	21.58	21.25	22.50
		12	6	21.28	21.43	21.33	22.50
		12	13	21.32	21.57	21.30	22.50
		25	0	20.89	20.92	20.83	22.00
	64QAM	1	0	20.85	20.99	20.76	22.00
		1	13	20.84	21.01	20.81	22.00
		1	24	20.88	21.05	20.81	22.00
		12	0	20.80	20.97	20.76	22.00
		12	6	20.82	21.07	20.82	22.00
		12	13	20.87	20.92	20.76	22.00
		25	0	19.87	19.96	19.78	21.00
	256QAM	1	0	17.88	17.98	17.86	19.00
		1	13	17.79	17.96	17.79	19.00
		1	24	17.81	18.05	17.82	19.00
		12	0	17.91	18.05	17.79	19.00
		12	6	17.83	18.01	17.84	19.00
		12	13	17.83	18.01	17.80	19.00
		25	0	17.77	18.04	17.77	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42140	42590	43040	
10MHz	QPSK	1	0	21.47	21.56	21.39	22.50
		1	25	21.28	21.55	21.26	22.50
		1	49	21.31	21.45	21.31	22.50
		25	0	21.44	21.60	21.39	22.50
		25	13	21.29	21.42	21.36	22.50
		25	25	21.39	21.42	21.28	22.50
		50	0	21.37	21.58	21.26	22.50
	16QAM	1	0	21.36	21.44	21.33	22.50
		1	25	21.35	21.53	21.29	22.50
		1	49	21.42	21.45	21.19	22.50
		25	0	20.80	21.02	20.76	22.00



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		25	13	20.77	20.96	20.86	22.00
		25	25	20.79	21.01	20.80	22.00
		50	0	20.82	20.90	20.78	22.00
	64QAM	1	0	20.79	20.99	20.77	22.00
		1	25	20.82	21.02	20.83	22.00
		1	49	20.80	21.06	20.83	22.00
		25	0	19.89	19.94	19.79	21.00
		25	13	19.87	20.00	19.74	21.00
		25	25	19.81	20.05	19.77	21.00
		50	0	19.86	19.92	19.81	21.00
	256QAM	1	0	17.82	17.97	17.75	19.00
		1	25	17.86	18.02	17.82	19.00
		1	49	17.88	18.02	17.75	19.00
		25	0	17.82	18.05	17.87	19.00
		25	13	17.80	17.96	17.81	19.00
		25	25	17.85	18.03	17.81	19.00
		50	0	17.83	18.04	17.77	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42165	42590	43015	
15MHz	QPSK	1	0	21.50	21.59	21.35	22.50
		1	38	21.39	21.53	21.36	22.50
		1	74	21.30	21.39	21.29	22.50
		36	0	21.49	21.64	21.36	22.50
		36	18	21.29	21.42	21.29	22.50
		36	39	21.38	21.47	21.24	22.50
		75	0	21.30	21.54	21.21	22.50
	16QAM	1	0	21.30	21.48	21.31	22.50
		1	38	21.29	21.43	21.36	22.50
		1	74	21.43	21.42	21.19	22.50
		36	0	20.88	20.96	20.84	22.00
		36	18	20.76	21.00	20.79	22.00
		36	39	20.83	21.03	20.82	22.00
		75	0	20.86	20.89	20.79	22.00
	64QAM	1	0	20.79	20.96	20.80	22.00
		1	38	20.79	21.02	20.82	22.00
		1	74	20.89	20.95	20.82	22.00
		36	0	19.88	19.94	19.84	21.00
		36	18	19.92	20.05	19.72	21.00
		36	39	19.77	20.01	19.88	21.00
		75	0	19.87	20.02	19.88	21.00
	256QAM	1	0	17.90	18.03	17.87	19.00
		1	38	17.75	18.00	17.84	19.00
		1	74	17.87	18.00	17.79	19.00
		36	0	17.80	17.94	17.83	19.00
		36	18	17.84	17.95	17.79	19.00



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		36	39	17.83	18.02	17.73	19.00
		75	0	17.80	18.04	17.72	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				42190	42590	42990	
20MHz	QPSK	1	0	21.58	21.73	21.53	22.50
		1	50	21.45	21.60	21.41	22.50
		1	99	21.42	21.56	21.42	22.50
		50	0	21.55	21.70	21.48	22.50
		50	25	21.41	21.56	21.43	22.50
		50	50	21.46	21.54	21.35	22.50
		100	0	21.45	21.64	21.36	22.50
	16QAM	1	0	21.42	21.55	21.41	22.50
		1	50	21.43	21.59	21.46	22.50
		1	99	21.52	21.57	21.37	22.50
		50	0	21.14	21.27	21.07	22.00
		50	25	21.11	21.32	21.10	22.00
		50	50	21.11	21.27	21.11	22.00
		100	0	21.16	21.24	21.07	22.00
	64QAM	1	0	21.11	21.26	21.07	22.00
		1	50	21.12	21.26	21.09	22.00
		1	99	21.13	21.30	21.07	22.00
		50	0	20.18	20.24	20.13	21.00
		50	25	20.18	20.31	20.08	21.00
		50	50	20.11	20.30	20.12	21.00
		100	0	20.18	20.28	20.14	21.00
	256QAM	1	0	18.14	18.30	18.11	19.00
		1	50	18.10	18.30	18.13	19.00
		1	99	18.15	18.31	18.10	19.00
		50	0	18.14	18.29	18.10	19.00
		50	25	18.15	18.25	18.14	19.00
		50	50	18.18	18.29	18.09	19.00
		100	0	18.10	18.32	18.07	19.00

LTE Band 48 Ant0 Head Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55265	55990	56715	
5MHz	QPSK	1	0	19.66	19.75	19.54	20.50
		1	13	19.46	19.62	19.56	20.50
		1	24	19.59	19.57	19.44	20.50
		12	0	19.59	19.73	19.63	20.50
		12	6	19.53	19.73	19.36	20.50
		12	13	19.46	19.58	19.33	20.50
		25	0	19.59	19.66	19.56	20.50
	16QAM	1	0	19.49	19.59	19.27	20.50
		1	13	19.48	19.59	19.37	20.50
		1	24	19.49	19.58	19.51	20.50
		12	0	19.54	19.64	19.44	20.50
		12	6	19.56	19.63	19.43	20.50
		12	13	19.63	19.60	19.58	20.50
		25	0	19.60	19.66	19.36	20.50



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	64QAM	1	0	19.44	19.56	19.40	20.50
		1	13	19.35	19.65	19.38	20.50
		1	24	19.53	19.64	19.52	20.50
		12	0	19.56	19.61	19.51	20.50
		12	6	19.58	19.60	19.36	20.50
		12	13	19.49	19.51	19.46	20.50
		25	0	19.46	19.59	19.38	20.50
	256QAM	1	0	17.95	18.03	17.81	19.00
		1	13	17.94	18.04	17.86	19.00
		1	24	17.94	17.98	17.85	19.00
		12	0	17.92	18.08	17.77	19.00
		12	6	17.93	18.05	17.86	19.00
		12	13	17.87	18.02	17.81	19.00
		25	0	18.00	18.01	17.85	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55290	55990	56690	
10MHz	QPSK	1	0	19.62	19.80	19.62	20.50
		1	25	19.43	19.63	19.50	20.50
		1	49	19.53	19.57	19.50	20.50
		25	0	19.67	19.78	19.64	20.50
		25	13	19.55	19.77	19.35	20.50
		25	25	19.53	19.48	19.41	20.50
		50	0	19.68	19.68	19.53	20.50
	16QAM	1	0	19.44	19.63	19.35	20.50
		1	25	19.49	19.58	19.36	20.50
		1	49	19.45	19.58	19.51	20.50
		25	0	19.48	19.57	19.40	20.50
		25	13	19.43	19.69	19.44	20.50
		25	25	19.57	19.67	19.54	20.50
		50	0	19.56	19.66	19.43	20.50
	64QAM	1	0	19.42	19.66	19.46	20.50
		1	25	19.39	19.57	19.46	20.50
		1	49	19.47	19.57	19.49	20.50
		25	0	19.56	19.55	19.43	20.50
		25	13	19.57	19.55	19.31	20.50
		25	25	19.54	19.54	19.40	20.50
		50	0	19.47	19.56	19.35	20.50
	256QAM	1	0	17.96	18.00	17.82	19.00
		1	25	17.96	18.08	17.88	19.00
		1	49	17.95	18.01	17.84	19.00
		25	0	17.92	18.02	17.84	19.00
		25	13	17.92	17.97	17.91	19.00
		25	25	17.92	18.03	17.77	19.00
		50	0	18.00	17.97	17.88	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				55315	55990	56665	
15MHz	QPSK	1	0	19.67	19.79	19.60	20.50
		1	38	19.46	19.63	19.45	20.50
		1	74	19.57	19.64	19.44	20.50
		36	0	19.58	19.73	19.65	20.50
		36	18	19.53	19.69	19.42	20.50
		36	39	19.47	19.48	19.41	20.50
		75	0	19.58	19.64	19.53	20.50
	16QAM	1	0	19.49	19.61	19.27	20.50
		1	38	19.51	19.60	19.36	20.50
		1	74	19.48	19.64	19.45	20.50
		36	0	19.50	19.61	19.43	20.50
		36	18	19.48	19.69	19.47	20.50
		36	39	19.53	19.66	19.61	20.50
		75	0	19.64	19.63	19.44	20.50
	64QAM	1	0	19.46	19.65	19.48	20.50
		1	38	19.45	19.56	19.38	20.50
		1	74	19.48	19.53	19.41	20.50
		36	0	19.47	19.62	19.49	20.50
		36	18	19.55	19.60	19.36	20.50
		36	39	19.52	19.55	19.40	20.50
		75	0	19.53	19.67	19.34	20.50
	256QAM	1	0	17.86	18.02	17.77	19.00
		1	38	17.93	18.04	17.81	19.00
		1	74	17.95	18.01	17.84	19.00
		36	0	17.89	18.10	17.85	19.00
		36	18	17.95	17.98	17.83	19.00
		36	39	17.93	18.07	17.88	19.00
		75	0	18.03	17.98	17.85	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55340	55990	56640	
20MHz	QPSK	1	0	19.82	19.97	19.77	20.50
		1	50	19.63	19.77	19.69	20.50
		1	99	19.71	19.81	19.67	20.50
		50	0	19.80	19.93	19.79	20.50
		50	25	19.72	19.89	19.55	20.50
		50	50	19.67	19.70	19.57	20.50
		100	0	19.82	19.85	19.74	20.50
	16QAM	1	0	19.62	19.83	19.51	20.50
		1	50	19.70	19.80	19.60	20.50
		1	99	19.67	19.77	19.65	20.50
		50	0	19.73	19.81	19.64	20.50
		50	25	19.68	19.84	19.66	20.50
		50	50	19.76	19.82	19.73	20.50
		100	0	19.77	19.79	19.59	20.50
	64QAM	1	0	19.60	19.79	19.62	20.50
		1	50	19.59	19.81	19.61	20.50
		1	99	19.67	19.76	19.65	20.50
		50	0	19.70	19.79	19.65	20.50



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		50	25	19.77	19.75	19.50	20.50
		50	50	19.68	19.74	19.61	20.50
		100	0	19.66	19.80	19.55	20.50
	256QAM	1	0	18.21	18.35	18.13	19.00
		1	50	18.25	18.32	18.15	19.00
		1	99	18.25	18.29	18.16	19.00
		50	0	18.25	18.33	18.11	19.00
		50	25	18.22	18.32	18.15	19.00
		50	50	18.23	18.36	18.11	19.00
		100	0	18.27	18.31	18.14	19.00

LTE Band 48 Ant0 Head Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55265	55990	56715	
5MHz	QPSK	1	0	17.01	17.22	16.91	18.00
		1	13	16.71	16.87	16.79	18.00
		1	24	16.88	16.98	16.87	18.00
		12	0	17.07	17.12	16.93	18.00
		12	6	16.78	17.03	16.90	18.00
		12	13	16.86	17.01	16.86	18.00
		25	0	16.81	16.89	16.91	18.00
	16QAM	1	0	16.83	17.01	16.81	18.00
		1	13	16.86	16.91	16.85	18.00
		1	24	16.86	17.07	16.76	18.00
		12	0	16.86	16.96	16.77	18.00
		12	6	16.86	17.03	16.83	18.00
		12	13	16.88	17.00	16.93	18.00
		25	0	16.89	16.99	16.88	18.00
	64QAM	1	0	16.86	16.90	16.88	18.00
		1	13	16.89	17.06	16.82	18.00
		1	24	16.79	16.97	16.88	18.00
		12	0	16.84	16.99	16.83	18.00
		12	6	16.86	16.96	16.84	18.00
		12	13	16.83	17.08	16.89	18.00
		25	0	16.78	16.96	16.91	18.00
	256QAM	1	0	16.93	16.98	16.84	18.00
		1	13	16.88	16.97	16.92	18.00
		1	24	16.80	16.98	16.89	18.00
		12	0	16.88	16.92	16.97	18.00
		12	6	16.86	16.98	16.87	18.00
		12	13	16.84	16.93	16.89	18.00
		25	0	16.82	17.07	16.78	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
10MHz	QPSK	1	0	17.01	17.24	16.88	18.00
		1	25	16.71	16.90	16.84	18.00



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		1	49	16.91	17.04	16.87	18.00
		25	0	17.06	17.11	16.92	18.00
		25	13	16.80	17.00	16.91	18.00
		25	25	16.84	17.00	16.89	18.00
		50	0	16.76	16.96	16.91	18.00
	16QAM	1	0	16.79	17.00	16.86	18.00
		1	25	16.79	16.93	16.86	18.00
		1	49	16.93	17.07	16.77	18.00
		25	0	16.86	16.96	16.78	18.00
		25	13	16.94	17.01	16.87	18.00
		25	25	16.88	17.02	16.87	18.00
		50	0	16.87	16.95	16.95	18.00
	64QAM	1	0	16.80	16.87	16.95	18.00
		1	25	16.89	17.06	16.87	18.00
		1	49	16.82	16.87	16.88	18.00
		25	0	16.88	17.03	16.84	18.00
		25	13	16.85	16.97	16.90	18.00
		25	25	16.92	17.03	16.84	18.00
		50	0	16.82	16.91	16.83	18.00
	256QAM	1	0	16.91	16.98	16.83	18.00
		1	25	16.81	17.04	16.89	18.00
		1	49	16.83	16.90	16.89	18.00
		25	0	16.90	16.94	16.97	18.00
		25	13	16.83	16.93	16.89	18.00
		25	25	16.84	17.04	16.88	18.00
		50	0	16.81	17.00	16.85	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55315	55990	56665	
15MHz	QPSK	1	0	17.04	17.18	16.89	18.00
		1	38	16.75	16.97	16.78	18.00
		1	74	16.91	17.02	16.84	18.00
		36	0	17.04	17.13	16.89	18.00
		36	18	16.73	16.99	16.93	18.00
		36	39	16.85	16.97	16.91	18.00
		75	0	16.76	16.94	16.85	18.00
	16QAM	1	0	16.89	17.07	16.81	18.00
		1	38	16.85	16.98	16.86	18.00
		1	74	16.94	16.98	16.77	18.00
		36	0	16.89	16.97	16.83	18.00
		36	18	16.87	16.99	16.84	18.00
		36	39	16.83	17.00	16.90	18.00
		75	0	16.83	17.00	16.89	18.00
	64QAM	1	0	16.85	16.95	16.93	18.00
		1	38	16.87	16.99	16.86	18.00
		1	74	16.80	16.97	16.88	18.00



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		36	0	16.94	17.03	16.87	18.00
		36	18	16.90	16.97	16.85	18.00
		36	39	16.85	17.03	16.94	18.00
		75	0	16.77	16.92	16.86	18.00
	256QAM	1	0	16.98	16.98	16.85	18.00
		1	38	16.90	16.98	16.93	18.00
		1	74	16.84	16.92	16.92	18.00
		36	0	16.87	16.98	16.91	18.00
		36	18	16.81	16.99	16.83	18.00
		36	39	16.90	17.01	16.89	18.00
		75	0	16.83	17.00	16.82	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55340	55990	56640	
20MHz	QPSK	1	0	17.15	17.32	17.04	18.00
		1	50	16.89	17.05	16.94	18.00
		1	99	16.99	17.15	16.99	18.00
		50	0	17.15	17.28	17.02	18.00
		50	25	16.89	17.13	17.02	18.00
		50	50	17.01	17.15	17.02	18.00
		100	0	16.90	17.04	17.02	18.00
	16QAM	1	0	16.97	17.15	16.97	18.00
		1	50	16.95	17.05	17.03	18.00
		1	99	17.04	17.14	16.93	18.00
		50	0	16.97	17.07	16.94	18.00
		50	25	17.04	17.10	16.96	18.00
		50	50	16.98	17.09	17.02	18.00
		100	0	17.00	17.12	17.02	18.00
	64QAM	1	0	16.94	17.02	17.05	18.00
		1	50	17.01	17.14	16.96	18.00
		1	99	16.96	17.05	17.03	18.00
		50	0	17.02	17.14	16.95	18.00
		50	25	16.97	17.07	17.02	18.00
		50	50	17.00	17.16	17.02	18.00
		100	0	16.93	17.08	17.00	18.00
	256QAM	1	0	17.06	17.07	16.97	18.00
		1	50	16.98	17.12	17.01	18.00
		1	99	16.98	17.07	17.01	18.00
		50	0	16.99	17.09	17.05	18.00
		50	25	16.99	17.10	16.97	18.00
		50	50	16.99	17.11	17.00	18.00
		100	0	16.98	17.15	16.95	18.00

LTE Band 48 Ant0 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55265	55990	56715	
5MHz	QPSK	1	0	23.05	23.18	22.91	24.00
		1	13	22.88	23.03	22.76	24.00
		1	24	22.98	22.97	22.87	24.00
		12	0	23.04	23.08	23.01	24.00
		12	6	23.01	22.99	22.88	24.00



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		12	13	23.00	22.98	22.84	24.00
		25	0	21.91	22.00	21.89	23.00
	16QAM	1	0	22.00	21.96	21.86	23.00
		1	13	21.92	22.00	21.76	23.00
		1	24	21.94	22.06	21.83	23.00
		12	0	21.90	22.09	21.89	23.00
		12	6	21.90	21.98	21.76	23.00
		12	13	21.97	22.00	21.91	23.00
		25	0	20.95	21.08	20.86	22.00
		25	0	20.97	20.96	20.81	22.00
	64QAM	1	0	20.97	20.96	20.81	22.00
		1	13	20.86	21.09	20.81	22.00
		1	24	20.93	21.10	20.83	22.00
		12	0	20.89	21.05	20.77	22.00
		12	6	20.93	21.01	20.85	22.00
		12	13	20.92	21.02	20.78	22.00
		25	0	19.94	19.97	19.84	21.00
		25	0	17.95	18.03	17.81	19.00
	256QAM	1	0	17.95	18.03	17.81	19.00
		1	13	17.94	18.04	17.86	19.00
		1	24	17.94	17.98	17.85	19.00
		12	0	17.92	18.08	17.77	19.00
		12	6	17.93	18.05	17.86	19.00
		12	13	17.87	18.02	17.81	19.00
		25	0	18.00	18.01	17.85	19.00
		25	0	18.00	18.01	17.85	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55290	55990	56690	
10MHz	QPSK	1	0	23.00	23.08	22.92	24.00
		1	25	22.97	22.96	22.81	24.00
		1	49	23.00	23.03	22.84	24.00
		25	0	21.95	22.07	21.87	23.00
		25	13	21.92	22.08	21.82	23.00
		25	25	21.90	21.95	21.84	23.00
		50	0	21.98	22.07	21.87	23.00
		50	0	21.98	22.07	21.87	23.00
	16QAM	1	0	22.02	22.02	21.83	23.00
		1	25	22.00	22.06	21.84	23.00
		1	49	22.01	21.96	21.81	23.00
		25	0	20.89	21.02	20.84	22.00
		25	13	21.04	20.98	20.81	22.00
		25	25	20.91	21.00	20.87	22.00
		50	0	20.96	21.01	20.87	22.00
		50	0	20.96	21.01	20.87	22.00
	64QAM	1	0	20.97	20.95	20.76	22.00
		1	25	20.92	20.98	20.89	22.00
		1	49	20.89	21.05	20.88	22.00
		25	0	19.98	20.01	19.93	21.00
		25	13	19.96	19.93	19.87	21.00
		25	25	20.03	20.01	19.81	21.00
		25	25	20.03	20.01	19.81	21.00
		25	25	20.03	20.01	19.81	21.00



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	256QAM	50	0	19.95	19.92	19.84	21.00
		1	0	17.96	18.00	17.82	19.00
		1	25	17.96	18.08	17.88	19.00
		1	49	17.95	18.01	17.84	19.00
		25	0	17.92	18.02	17.84	19.00
		25	13	17.92	17.97	17.91	19.00
		25	25	17.92	18.03	17.77	19.00
		50	0	18.00	17.97	17.88	19.00
		50	0	18.00	17.97	17.88	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55315	55990	56665	
15MHz	QPSK	1	0	23.01	23.13	22.92	24.00
		1	38	22.91	23.07	22.87	24.00
		1	74	22.95	23.00	22.87	24.00
		36	0	21.96	22.07	21.94	23.00
		36	18	21.92	22.02	21.84	23.00
		36	39	21.90	21.99	21.81	23.00
		75	0	21.91	22.01	21.83	23.00
	16QAM	1	0	22.02	21.95	21.89	23.00
		1	38	21.98	22.01	21.82	23.00
		1	74	21.93	22.03	21.91	23.00
		36	0	20.94	21.08	20.79	22.00
		36	18	21.01	21.00	20.81	22.00
		36	39	20.97	21.05	20.78	22.00
		75	0	20.95	21.06	20.90	22.00
	64QAM	1	0	20.98	20.94	20.87	22.00
		1	38	20.86	21.04	20.85	22.00
		1	74	20.89	21.09	20.87	22.00
		36	0	19.89	19.96	19.84	21.00
		36	18	19.94	20.05	19.81	21.00
		36	39	19.96	20.06	19.79	21.00
		75	0	19.96	19.93	19.80	21.00
	256QAM	1	0	17.86	18.02	17.77	19.00
		1	38	17.93	18.04	17.81	19.00
		1	74	17.95	18.01	17.84	19.00
		36	0	17.89	18.10	17.85	19.00
		36	18	17.95	17.98	17.83	19.00
		36	39	17.93	18.07	17.88	19.00
		75	0	18.03	17.98	17.85	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55340	55990	56640	
20MHz	QPSK	1	0	23.35	23.42	23.25	24.00
		1	50	23.24	23.31	23.12	24.00
		1	99	23.25	23.32	23.12	24.00
		50	0	22.22	22.33	22.17	23.00
		50	25	22.22	22.32	22.11	23.00
		50	50	22.22	22.28	22.16	23.00
		100	0	22.24	22.32	22.14	23.00



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	16QAM	1	0	22.26	22.29	22.12	23.00
		1	50	22.25	22.32	22.11	23.00
		1	99	22.26	22.31	22.15	23.00
		50	0	21.24	21.32	21.10	22.00
		50	25	21.27	21.30	21.10	22.00
		50	50	21.24	21.29	21.10	22.00
		100	0	21.25	21.33	21.16	22.00
	64QAM	1	0	21.24	21.27	21.12	22.00
		1	50	21.22	21.33	21.16	22.00
		1	99	21.22	21.35	21.14	22.00
		50	0	20.24	20.29	20.17	21.00
		50	25	20.21	20.29	20.14	21.00
		50	50	20.26	20.30	20.15	21.00
		100	0	20.21	20.28	20.13	21.00
	256QAM	1	0	18.21	18.35	18.13	19.00
		1	50	18.25	18.32	18.15	19.00
		1	99	18.25	18.29	18.16	19.00
		50	0	18.25	18.33	18.11	19.00
		50	25	18.22	18.32	18.15	19.00
		50	50	18.23	18.36	18.11	19.00
		100	0	18.27	18.31	18.14	19.00

LTE Band 48 Ant0 Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55265	55990	56715	
5MHz	QPSK	1	0	21.65	21.61	21.39	22.50
		1	13	21.40	21.53	21.28	22.50
		1	24	21.44	21.48	21.38	22.50
		12	0	21.46	21.63	21.38	22.50
		12	6	21.38	21.45	21.38	22.50
		12	13	21.37	21.53	21.35	22.50
		25	0	21.42	21.58	21.35	22.50
	16QAM	1	0	21.42	21.44	21.30	22.50
		1	13	21.45	21.53	21.29	22.50
		1	24	21.47	21.48	21.28	22.50
		12	0	21.40	21.59	21.39	22.50
		12	6	21.40	21.48	21.26	22.50
		12	13	21.47	21.50	21.41	22.50
		25	0	20.95	21.08	20.86	22.00
	64QAM	1	0	20.97	20.96	20.81	22.00
		1	13	20.86	21.09	20.81	22.00
		1	24	20.93	21.10	20.83	22.00
		12	0	20.89	21.05	20.77	22.00
		12	6	20.93	21.01	20.85	22.00
		12	13	20.92	21.02	20.78	22.00
		25	0	19.94	19.97	19.84	21.00
	256QAM	1	0	17.95	18.03	17.81	19.00
		1	13	17.94	18.04	17.86	19.00
		1	24	17.94	17.98	17.85	19.00



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		12	0	17.92	18.08	17.77	19.00
		12	6	17.93	18.05	17.86	19.00
		12	13	17.87	18.02	17.81	19.00
		25	0	18.00	18.01	17.85	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55290	55990	56690	
10MHz	QPSK	1	0	21.62	21.68	21.51	22.50
		1	25	21.50	21.45	21.25	22.50
		1	49	21.37	21.47	21.35	22.50
		25	0	21.55	21.58	21.46	22.50
		25	13	21.37	21.44	21.43	22.50
		25	25	21.34	21.61	21.35	22.50
		50	0	21.45	21.50	21.30	22.50
	16QAM	1	0	21.49	21.55	21.27	22.50
		1	25	21.47	21.52	21.35	22.50
		1	49	21.52	21.52	21.33	22.50
		25	0	20.89	21.02	20.84	22.00
		25	13	21.04	20.98	20.81	22.00
		25	25	20.91	21.00	20.87	22.00
		50	0	20.96	21.01	20.87	22.00
	64QAM	1	0	20.97	20.95	20.76	22.00
		1	25	20.92	20.98	20.89	22.00
		1	49	20.89	21.05	20.88	22.00
		25	0	19.98	20.01	19.93	21.00
		25	13	19.96	19.93	19.87	21.00
		25	25	20.03	20.01	19.81	21.00
		50	0	19.95	19.92	19.84	21.00
	256QAM	1	0	17.96	18.00	17.82	19.00
		1	25	17.96	18.08	17.88	19.00
		1	49	17.95	18.01	17.84	19.00
		25	0	17.92	18.02	17.84	19.00
		25	13	17.92	17.97	17.91	19.00
		25	25	17.92	18.03	17.77	19.00
		50	0	18.00	17.97	17.88	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55315	55990	56665	
15MHz	QPSK	1	0	21.58	21.63	21.49	22.50
		1	38	21.49	21.51	21.25	22.50
		1	74	21.37	21.54	21.40	22.50
		36	0	21.51	21.59	21.39	22.50
		36	18	21.40	21.42	21.43	22.50
		36	39	21.45	21.59	21.26	22.50
		75	0	21.41	21.58	21.29	22.50
	16QAM	1	0	21.50	21.55	21.33	22.50
		1	38	21.41	21.56	21.28	22.50



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		1	74	21.50	21.44	21.35	22.50
		36	0	20.94	21.08	20.79	22.00
		36	18	21.01	21.00	20.81	22.00
		36	39	20.97	21.05	20.78	22.00
		75	0	20.95	21.06	20.90	22.00
	64QAM	1	0	20.98	20.94	20.87	22.00
		1	38	20.86	21.04	20.85	22.00
		1	74	20.89	21.09	20.87	22.00
		36	0	19.89	19.96	19.84	21.00
		36	18	19.94	20.05	19.81	21.00
		36	39	19.96	20.06	19.79	21.00
		75	0	19.96	19.93	19.80	21.00
	256QAM	1	0	17.86	18.02	17.77	19.00
		1	38	17.93	18.04	17.81	19.00
		1	74	17.95	18.01	17.84	19.00
		36	0	17.89	18.10	17.85	19.00
		36	18	17.95	17.98	17.83	19.00
		36	39	17.93	18.07	17.88	19.00
		75	0	18.03	17.98	17.85	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				55340	55990	56640	
20MHz	QPSK	1	0	21.70	21.85	21.66	22.50
		1	50	21.57	21.61	21.41	22.50
		1	99	21.50	21.64	21.46	22.50
		50	0	21.61	21.70	21.52	22.50
		50	25	21.53	21.60	21.49	22.50
		50	50	21.52	21.67	21.44	22.50
		100	0	21.51	21.68	21.44	22.50
	16QAM	1	0	21.59	21.62	21.45	22.50
		1	50	21.57	21.68	21.42	22.50
		1	99	21.58	21.60	21.44	22.50
		50	0	21.24	21.32	21.10	22.00
		50	25	21.27	21.30	21.10	22.00
		50	50	21.24	21.29	21.10	22.00
		100	0	21.25	21.33	21.16	22.00
	64QAM	1	0	21.24	21.27	21.12	22.00
		1	50	21.22	21.33	21.16	22.00
		1	99	21.22	21.35	21.14	22.00
		50	0	20.24	20.29	20.17	21.00
		50	25	20.21	20.29	20.14	21.00
		50	50	20.26	20.30	20.15	21.00
		100	0	20.21	20.28	20.13	21.00
	256QAM	1	0	18.21	18.35	18.13	19.00
		1	50	18.25	18.32	18.15	19.00
		1	99	18.25	18.29	18.16	19.00
		50	0	18.25	18.33	18.11	19.00
		50	25	18.22	18.32	18.15	19.00
		50	50	18.23	18.36	18.11	19.00
		100	0	18.27	18.31	18.14	19.00



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LTE Band 66 Ant1 Head Standalone				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	20.19	20.28	20.15	21.00
		1	2	20.09	20.21	20.09	21.00
		1	5	20.13	20.21	20.04	21.00
		3	0	20.26	20.32	20.15	21.00
		3	1	20.16	20.18	20.17	21.00
		3	3	20.07	20.23	20.07	21.00
		6	0	20.22	20.37	20.28	21.00
	16QAM	1	0	20.10	20.15	20.03	21.00
		1	2	20.03	20.21	20.08	21.00
		1	5	20.09	20.16	20.14	21.00
		3	0	20.16	20.33	20.18	21.00
		3	1	20.18	20.21	20.01	21.00
		3	3	20.15	20.14	20.03	21.00
		6	0	20.20	20.28	20.10	21.00
	64QAM	1	0	20.12	20.30	20.06	21.00
		1	2	20.21	20.14	20.10	21.00
		1	5	20.05	20.31	20.15	21.00
		3	0	20.13	20.26	20.12	21.00
		3	1	20.01	20.26	20.14	21.00
		3	3	20.08	20.15	20.16	21.00
		6	0	20.11	20.24	20.13	21.00
	256QAM	1	0	18.15	18.18	18.11	19.00
		1	2	18.17	18.25	18.11	19.00
		1	5	18.17	18.25	18.13	19.00
		3	0	18.14	18.24	18.21	19.00
		3	1	18.22	18.22	18.22	19.00
		3	3	18.14	18.25	18.12	19.00
		6	0	18.14	18.29	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	20.24	20.30	20.25	21.00
		1	7	20.17	20.16	20.07	21.00
		1	14	20.11	20.19	20.05	21.00
		8	0	20.23	20.31	20.22	21.00
		8	4	20.12	20.26	20.09	21.00
		8	7	20.02	20.24	20.02	21.00
		15	0	20.05	20.18	20.07	21.00
	16QAM	1	0	20.10	20.21	20.11	21.00
		1	7	20.13	20.23	20.11	21.00
		1	14	20.14	20.25	20.14	21.00
		8	0	20.08	20.23	20.02	21.00
		8	4	20.12	20.23	20.00	21.00
		8	7	20.19	20.09	20.19	21.00
		15	0	20.05	20.27	20.09	21.00
	64QAM	1	0	20.11	20.26	20.14	21.00
		1	7	20.06	20.21	20.08	21.00
		1	14	20.04	20.24	20.08	21.00
		8	0	20.16	20.22	20.18	21.00
		8	4	20.16	20.20	20.16	21.00
		8	7	20.22	20.25	20.15	21.00
		15	0	20.13	20.21	20.13	21.00



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		1	0	18.14	18.21	18.13	19.00
		1	7	18.17	18.23	18.12	19.00
		1	14	18.16	18.22	18.16	19.00
		8	0	18.17	18.20	18.17	19.00
		8	4	18.20	18.21	18.21	19.00
		8	7	18.14	18.23	18.11	19.00
		15	0	18.13	18.27	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	20.24	20.36	20.16	21.00
		1	13	20.18	20.22	20.18	21.00
		1	24	20.19	20.23	20.04	21.00
		12	0	20.14	20.31	20.22	21.00
		12	6	20.12	20.20	20.10	21.00
		12	13	20.01	20.11	19.99	21.00
		25	0	20.04	20.15	20.13	21.00
	16QAM	1	0	20.16	20.27	20.15	21.00
		1	13	20.17	20.26	20.11	21.00
		1	24	20.09	20.19	20.11	21.00
		12	0	20.11	20.20	20.02	21.00
		12	6	20.03	20.31	20.03	21.00
		12	13	20.21	20.21	20.20	21.00
		25	0	20.13	20.29	20.10	21.00
	64QAM	1	0	20.08	20.27	20.18	21.00
		1	13	20.01	20.20	20.06	21.00
		1	24	20.14	20.17	20.13	21.00
		12	0	20.15	20.16	20.12	21.00
		12	6	20.19	20.18	20.17	21.00
		12	13	20.14	20.24	20.14	21.00
		25	0	20.12	20.25	20.16	21.00
	256QAM	1	0	18.14	18.22	18.15	19.00
		1	13	18.16	18.25	18.10	19.00
		1	24	18.18	18.21	18.13	19.00
		12	0	18.16	18.18	18.21	19.00
		12	6	18.20	18.21	18.19	19.00
		12	13	18.17	18.22	18.14	19.00
		25	0	18.13	18.29	18.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	20.24	20.35	20.14	21.00
		1	25	20.15	20.12	20.09	21.00
		1	49	20.20	20.12	20.06	21.00
		25	0	20.16	20.32	20.23	21.00
		25	13	20.16	20.16	20.10	21.00
		25	25	20.02	20.16	20.04	21.00
		50	0	20.04	20.16	20.10	21.00
	16QAM	1	0	20.14	20.20	20.22	21.00
		1	25	20.07	20.21	20.06	21.00
		1	49	20.15	20.14	20.08	21.00
		25	0	20.16	20.23	20.07	21.00
		25	13	20.05	20.23	20.08	21.00
		25	25	20.13	20.15	20.18	21.00
		50	0	20.06	20.28	20.13	21.00
	64QAM	1	0	20.11	20.16	20.13	21.00
		1	25	20.00	20.14	20.13	21.00
		1	49	20.05	20.12	20.15	21.00



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		25	0	20.15	20.16	20.14	21.00
		25	13	20.14	20.21	20.17	21.00
		25	25	20.14	20.22	20.16	21.00
		50	0	20.16	20.20	20.18	21.00
	256QAM	1	0	18.15	18.20	18.13	19.00
		1	25	18.16	18.19	18.17	19.00
		1	49	18.17	18.23	18.14	19.00
		25	0	18.17	18.20	18.20	19.00
		25	13	18.15	18.19	18.19	19.00
		25	25	18.17	18.23	18.12	19.00
		50	0	18.14	18.30	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	20.15	20.35	20.21	21.00
		1	38	20.10	20.18	20.10	21.00
		1	74	20.10	20.15	20.00	21.00
		36	0	20.20	20.35	20.29	21.00
		36	18	20.07	20.25	20.14	21.00
		36	39	20.04	20.23	20.03	21.00
		75	0	20.06	20.14	20.06	21.00
	16QAM	1	0	20.08	20.30	20.14	21.00
		1	38	20.15	20.23	20.01	21.00
		1	74	20.11	20.24	20.06	21.00
		36	0	20.13	20.29	20.04	21.00
		36	18	20.13	20.33	20.07	21.00
		36	39	20.12	20.13	20.15	21.00
		75	0	20.12	20.22	20.17	21.00
	64QAM	1	0	20.11	20.20	20.10	21.00
		1	38	20.00	20.19	20.10	21.00
		1	74	20.08	20.20	20.13	21.00
		36	0	20.12	20.18	20.17	21.00
		36	18	20.17	20.19	20.17	21.00
		36	39	20.16	20.23	20.16	21.00
		75	0	20.14	20.23	20.13	21.00
	256QAM	1	0	18.15	18.19	18.15	19.00
		1	38	18.17	18.19	18.10	19.00
		1	74	18.12	18.22	18.10	19.00
		36	0	18.21	18.18	18.14	19.00
		36	18	18.20	18.24	18.23	19.00
		36	39	18.15	18.23	18.16	19.00
		75	0	18.14	18.25	18.16	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	20.37	20.49	20.34	21.00
		1	50	20.30	20.34	20.28	21.00
		1	99	20.29	20.33	20.21	21.00
		50	0	20.33	20.46	20.41	21.00
		50	25	20.28	20.35	20.24	21.00
		50	50	20.22	20.33	20.21	21.00
		100	0	20.23	20.32	20.25	21.00
	16QAM	1	0	20.27	20.42	20.32	21.00
		1	50	20.28	20.38	20.22	21.00
		1	99	20.26	20.34	20.24	21.00
		50	0	20.29	20.40	20.21	21.00
		50	25	20.22	20.43	20.21	21.00
		50	50	20.31	20.31	20.31	21.00
		100	0	20.23	20.41	20.28	21.00



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	64QAM	1	0	20.23	20.36	20.32	21.00
		1	50	20.21	20.35	20.26	21.00
		1	99	20.25	20.34	20.29	21.00
		50	0	20.20	20.37	20.31	21.00
		50	25	20.31	20.29	20.28	21.00
		50	50	20.24	20.34	20.30	21.00
		100	0	20.25	20.37	20.32	21.00
	256QAM	1	0	18.45	18.52	18.46	19.00
		1	50	18.45	18.53	18.44	19.00
		1	99	18.45	18.55	18.44	19.00
		50	0	18.49	18.51	18.48	19.00
		50	25	18.50	18.51	18.50	19.00
		50	50	18.48	18.55	18.45	19.00
		100	0	18.45	18.57	18.50	19.00

LTE Band 66 Ant1 Head Simultaneous				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	16.66	16.81	16.73	17.50
		1	2	16.58	16.69	16.53	17.50
		1	5	16.60	16.62	16.54	17.50
		3	0	16.65	16.80	16.62	17.50
		3	1	16.56	16.66	16.65	17.50
		3	3	16.58	16.58	16.49	17.50
		6	0	16.55	16.65	16.58	17.50
	16QAM	1	0	16.61	16.65	16.51	17.50
		1	2	16.62	16.63	16.57	17.50
		1	5	16.61	16.61	16.48	17.50
		3	0	16.58	16.62	16.62	17.50
		3	1	16.61	16.54	16.52	17.50
		3	3	16.62	16.70	16.51	17.50
		6	0	16.55	16.71	16.56	17.50
	64QAM	1	0	16.65	16.66	16.59	17.50
		1	2	16.59	16.65	16.52	17.50
		1	5	16.55	16.62	16.58	17.50
		3	0	16.63	16.57	16.49	17.50
		3	1	16.62	16.58	16.64	17.50
		3	3	16.66	16.68	16.49	17.50
		6	0	16.58	16.63	16.60	17.50
	256QAM	1	0	16.65	16.65	16.50	17.50
		1	2	16.56	16.65	16.61	17.50
		1	5	16.59	16.69	16.56	17.50
		3	0	16.64	16.64	16.58	17.50
		3	1	16.64	16.67	16.48	17.50
		3	3	16.65	16.60	16.57	17.50
		6	0	16.64	16.69	16.52	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	16.66	16.87	16.70	17.50
		1	7	16.61	16.69	16.60	17.50
		1	14	16.54	16.72	16.58	17.50
		8	0	16.70	16.72	16.56	17.50
		8	4	16.61	16.62	16.63	17.50
		8	7	16.60	16.56	16.56	17.50



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	16QAM	15	0	16.50	16.67	16.61	17.50
		1	0	16.66	16.62	16.56	17.50
		1	7	16.66	16.56	16.62	17.50
		1	14	16.63	16.66	16.43	17.50
		8	0	16.64	16.65	16.62	17.50
		8	4	16.61	16.60	16.56	17.50
		8	7	16.60	16.68	16.50	17.50
		15	0	16.55	16.69	16.53	17.50
	64QAM	1	0	16.59	16.65	16.65	17.50
		1	7	16.52	16.64	16.52	17.50
		1	14	16.62	16.61	16.64	17.50
		8	0	16.56	16.58	16.46	17.50
		8	4	16.63	16.59	16.64	17.50
		8	7	16.63	16.60	16.56	17.50
		15	0	16.59	16.63	16.64	17.50
	256QAM	1	0	16.68	16.62	16.55	17.50
		1	7	16.56	16.69	16.63	17.50
		1	14	16.51	16.69	16.48	17.50
		8	0	16.67	16.59	16.59	17.50
		8	4	16.68	16.71	16.49	17.50
		8	7	16.55	16.59	16.51	17.50
		15	0	16.63	16.63	16.53	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	16.72	16.87	16.70	17.50
		1	13	16.59	16.61	16.53	17.50
		1	24	16.55	16.63	16.55	17.50
		12	0	16.64	16.82	16.59	17.50
		12	6	16.59	16.66	16.68	17.50
		12	13	16.53	16.62	16.50	17.50
		25	0	16.53	16.68	16.61	17.50
	16QAM	1	0	16.60	16.65	16.57	17.50
		1	13	16.67	16.60	16.65	17.50
		1	24	16.56	16.64	16.47	17.50
		12	0	16.64	16.59	16.57	17.50
		12	6	16.58	16.60	16.53	17.50
		12	13	16.57	16.71	16.52	17.50
		25	0	16.58	16.64	16.55	17.50
	64QAM	1	0	16.58	16.68	16.61	17.50
		1	13	16.59	16.66	16.54	17.50
		1	24	16.65	16.58	16.68	17.50
		12	0	16.56	16.60	16.51	17.50
		12	6	16.60	16.63	16.66	17.50
		12	13	16.64	16.59	16.47	17.50
		25	0	16.62	16.60	16.63	17.50
	256QAM	1	0	16.60	16.62	16.46	17.50
		1	13	16.62	16.74	16.62	17.50
		1	24	16.56	16.63	16.49	17.50
		12	0	16.67	16.65	16.58	17.50
		12	6	16.59	16.63	16.49	17.50
		12	13	16.62	16.66	16.54	17.50
		25	0	16.67	16.65	16.56	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	16.65	16.79	16.66	17.50
		1	25	16.62	16.61	16.58	17.50



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		1	49	16.57	16.71	16.55	17.50
		25	0	16.66	16.74	16.63	17.50
		25	13	16.59	16.69	16.59	17.50
		25	25	16.56	16.60	16.49	17.50
		50	0	16.52	16.67	16.58	17.50
	16QAM	1	0	16.62	16.68	16.49	17.50
		1	25	16.68	16.60	16.63	17.50
		1	49	16.66	16.61	16.44	17.50
		25	0	16.65	16.63	16.65	17.50
		25	13	16.55	16.62	16.53	17.50
		25	25	16.54	16.74	16.51	17.50
		50	0	16.58	16.67	16.57	17.50
	64QAM	1	0	16.67	16.72	16.65	17.50
		1	25	16.52	16.67	16.52	17.50
		1	49	16.59	16.58	16.60	17.50
		25	0	16.61	16.59	16.49	17.50
		25	13	16.67	16.59	16.60	17.50
		25	25	16.64	16.61	16.56	17.50
		50	0	16.65	16.58	16.62	17.50
	256QAM	1	0	16.66	16.66	16.49	17.50
		1	25	16.63	16.74	16.56	17.50
		1	49	16.57	16.67	16.53	17.50
		25	0	16.63	16.62	16.63	17.50
		25	13	16.69	16.68	16.55	17.50
		25	25	16.57	16.68	16.53	17.50
		50	0	16.65	16.67	16.52	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	16.73	16.84	16.71	17.50
		1	38	16.58	16.67	16.58	17.50
		1	74	16.58	16.64	16.58	17.50
		36	0	16.69	16.82	16.65	17.50
		36	18	16.57	16.71	16.60	17.50
		36	39	16.62	16.61	16.48	17.50
		75	0	16.59	16.65	16.58	17.50
	16QAM	1	0	16.60	16.64	16.57	17.50
		1	38	16.59	16.63	16.65	17.50
		1	74	16.59	16.66	16.46	17.50
		36	0	16.65	16.63	16.58	17.50
		36	18	16.60	16.62	16.53	17.50
		36	39	16.59	16.69	16.55	17.50
		75	0	16.56	16.64	16.59	17.50
	64QAM	1	0	16.60	16.70	16.65	17.50
		1	38	16.53	16.63	16.50	17.50
		1	74	16.59	16.64	16.59	17.50
		36	0	16.64	16.67	16.47	17.50
		36	18	16.58	16.65	16.56	17.50
		36	39	16.63	16.59	16.56	17.50
		75	0	16.59	16.64	16.64	17.50
	256QAM	1	0	16.62	16.63	16.55	17.50
		1	38	16.59	16.65	16.56	17.50
		1	74	16.50	16.61	16.47	17.50
		36	0	16.59	16.66	16.63	17.50
		36	18	16.61	16.68	16.53	17.50
		36	39	16.58	16.68	16.56	17.50
		75	0	16.60	16.62	16.53	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				132072	132322	132572	
20MHz	QPSK	1	0	16.89	17.02	16.89	17.50
		1	50	16.79	16.85	16.77	17.50
		1	99	16.78	16.87	16.76	17.50
		50	0	16.88	16.97	16.81	17.50
		50	25	16.79	16.87	16.83	17.50
		50	50	16.77	16.78	16.71	17.50
		100	0	16.75	16.85	16.81	17.50
	16QAM	1	0	16.83	16.85	16.72	17.50
		1	50	16.84	16.80	16.81	17.50
		1	99	16.81	16.83	16.66	17.50
		50	0	16.81	16.81	16.80	17.50
		50	25	16.76	16.78	16.76	17.50
		50	50	16.79	16.89	16.74	17.50
		100	0	16.79	16.86	16.76	17.50
	64QAM	1	0	16.82	16.87	16.83	17.50
		1	50	16.76	16.87	16.75	17.50
		1	99	16.80	16.81	16.83	17.50
		50	0	16.80	16.82	16.69	17.50
		50	25	16.83	16.83	16.81	17.50
		50	50	16.84	16.83	16.72	17.50
		100	0	16.81	16.82	16.81	17.50
	256QAM	1	0	16.83	16.83	16.70	17.50
		1	50	16.80	16.89	16.80	17.50
		1	99	16.75	16.84	16.71	17.50
		50	0	16.84	16.84	16.81	17.50
		50	25	16.84	16.87	16.71	17.50
		50	50	16.80	16.83	16.74	17.50
		100	0	16.84	16.87	16.76	17.50

LTE Band 66 Ant1 Head For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	14.94	15.02	14.90	15.50
		1	2	14.76	14.88	14.80	15.50
		1	5	14.82	14.92	14.73	15.50
		3	0	14.86	14.99	14.79	15.50
		3	1	14.83	14.88	14.84	15.50
		3	3	14.78	14.74	14.68	15.50
		6	0	14.78	14.81	14.85	15.50
	16QAM	1	0	14.80	14.86	14.68	15.50
		1	2	14.85	14.78	14.82	15.50
		1	5	14.80	14.87	14.62	15.50
		3	0	14.82	14.81	14.76	15.50
		3	1	14.74	14.78	14.76	15.50
		3	3	14.76	14.86	14.73	15.50
		6	0	14.83	14.86	14.71	15.50
	64QAM	1	0	14.84	14.84	14.86	15.50
		1	2	14.76	14.84	14.73	15.50
		1	5	14.84	14.78	14.86	15.50
		3	0	14.83	14.78	14.69	15.50
		3	1	14.83	14.79	14.77	15.50
		3	3	14.87	14.86	14.73	15.50
		6	0	14.78	14.83	14.76	15.50
	256QAM	1	0	14.82	14.87	14.69	15.50



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		1	2	14.81	14.91	14.81	15.50
		1	5	14.80	14.82	14.73	15.50
		3	0	14.87	14.87	14.81	15.50
		3	1	14.88	14.85	14.72	15.50
		3	3	14.83	14.83	14.77	15.50
		6	0	14.86	14.83	14.75	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	14.90	15.01	14.91	15.50
		1	7	14.75	14.83	14.76	15.50
		1	14	14.80	14.83	14.76	15.50
		8	0	14.83	14.97	14.85	15.50
		8	4	14.78	14.92	14.88	15.50
		8	7	14.82	14.80	14.76	15.50
		15	0	14.71	14.89	14.84	15.50
	16QAM	1	0	14.82	14.82	14.73	15.50
		1	7	14.87	14.80	14.77	15.50
		1	14	14.77	14.82	14.69	15.50
		8	0	14.79	14.84	14.76	15.50
		8	4	14.81	14.82	14.80	15.50
		8	7	14.81	14.87	14.69	15.50
		15	0	14.77	14.84	14.73	15.50
	64QAM	1	0	14.82	14.87	14.79	15.50
		1	7	14.80	14.89	14.76	15.50
		1	14	14.82	14.85	14.79	15.50
		8	0	14.83	14.87	14.69	15.50
		8	4	14.85	14.83	14.86	15.50
		8	7	14.88	14.78	14.67	15.50
		15	0	14.77	14.81	14.76	15.50
	256QAM	1	0	14.83	14.86	14.74	15.50
		1	7	14.78	14.92	14.84	15.50
		1	14	14.76	14.83	14.73	15.50
		8	0	14.88	14.88	14.76	15.50
		8	4	14.86	14.88	14.75	15.50
		8	7	14.76	14.82	14.77	15.50
		15	0	14.89	14.91	14.80	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	14.90	15.06	14.93	15.50
		1	13	14.83	14.82	14.75	15.50
		1	24	14.79	14.92	14.78	15.50
		12	0	14.87	14.93	14.78	15.50
		12	6	14.75	14.91	14.81	15.50
		12	13	14.73	14.77	14.73	15.50
		25	0	14.72	14.85	14.83	15.50
	16QAM	1	0	14.83	14.87	14.68	15.50
		1	13	14.86	14.80	14.85	15.50
		1	24	14.79	14.81	14.63	15.50
		12	0	14.84	14.81	14.84	15.50
		12	6	14.77	14.83	14.77	15.50
		12	13	14.79	14.94	14.72	15.50
		25	0	14.76	14.81	14.74	15.50
	64QAM	1	0	14.79	14.84	14.80	15.50
		1	13	14.79	14.88	14.78	15.50
		1	24	14.77	14.83	14.81	15.50
		12	0	14.80	14.86	14.68	15.50
		12	0	14.80	14.86	14.68	15.50



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		12	6	14.80	14.85	14.76	15.50
		12	13	14.89	14.81	14.69	15.50
		25	0	14.86	14.78	14.82	15.50
	256QAM	1	0	14.87	14.78	14.75	15.50
		1	13	14.77	14.87	14.76	15.50
		1	24	14.75	14.84	14.67	15.50
		12	0	14.82	14.88	14.77	15.50
		12	6	14.83	14.85	14.74	15.50
		12	13	14.83	14.79	14.72	15.50
		25	0	14.86	14.92	14.78	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	14.86	15.05	14.93	15.50
		1	25	14.81	14.82	14.79	15.50
		1	49	14.82	14.91	14.75	15.50
		25	0	14.91	14.95	14.82	15.50
		25	13	14.74	14.87	14.88	15.50
		25	25	14.79	14.75	14.66	15.50
		50	0	14.73	14.82	14.84	15.50
	16QAM	1	0	14.87	14.88	14.77	15.50
		1	25	14.83	14.80	14.80	15.50
		1	49	14.78	14.83	14.66	15.50
		25	0	14.81	14.78	14.80	15.50
		25	13	14.79	14.74	14.80	15.50
		25	25	14.75	14.91	14.72	15.50
		50	0	14.83	14.86	14.75	15.50
	64QAM	1	0	14.83	14.85	14.86	15.50
		1	25	14.75	14.92	14.74	15.50
		1	49	14.80	14.86	14.87	15.50
		25	0	14.78	14.85	14.69	15.50
		25	13	14.85	14.85	14.77	15.50
		25	25	14.85	14.86	14.72	15.50
		50	0	14.84	14.78	14.80	15.50
	256QAM	1	0	14.84	14.88	14.68	15.50
		1	25	14.78	14.88	14.80	15.50
		1	49	14.71	14.82	14.74	15.50
		25	0	14.88	14.88	14.78	15.50
		25	13	14.81	14.87	14.75	15.50
		25	25	14.78	14.82	14.78	15.50
		50	0	14.81	14.90	14.74	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	14.86	15.06	14.94	15.50
		1	38	14.78	14.90	14.73	15.50
		1	74	14.79	14.82	14.81	15.50
		36	0	14.83	14.92	14.77	15.50
		36	18	14.75	14.91	14.84	15.50
		36	39	14.82	14.83	14.71	15.50
		75	0	14.72	14.81	14.77	15.50
	16QAM	1	0	14.83	14.86	14.73	15.50
		1	38	14.87	14.76	14.84	15.50
		1	74	14.86	14.79	14.66	15.50
		36	0	14.86	14.86	14.79	15.50
		36	18	14.81	14.80	14.75	15.50
		36	39	14.82	14.85	14.75	15.50
		75	0	14.81	14.89	14.77	15.50
	64QAM	1	0	14.81	14.90	14.82	15.50



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		1	38	14.79	14.83	14.78	15.50
		1	74	14.75	14.83	14.87	15.50
		36	0	14.81	14.78	14.67	15.50
		36	18	14.88	14.80	14.85	15.50
		36	39	14.80	14.85	14.72	15.50
		75	0	14.86	14.80	14.81	15.50
	256QAM	1	0	14.78	14.80	14.69	15.50
		1	38	14.84	14.89	14.81	15.50
		1	74	14.75	14.80	14.76	15.50
		36	0	14.86	14.83	14.78	15.50
		36	18	14.87	14.84	14.76	15.50
		36	39	14.78	14.81	14.74	15.50
		75	0	14.84	14.85	14.78	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	14.99	15.14	15.00	15.50
		1	50	14.94	14.99	14.82	15.50
		1	99	14.91	14.97	14.91	15.50
		50	0	15.00	15.05	14.92	15.50
		50	25	14.88	14.96	14.89	15.50
		50	50	14.84	14.93	14.85	15.50
		100	0	14.86	14.98	14.90	15.50
	16QAM	1	0	14.92	14.97	14.77	15.50
		1	50	14.91	14.92	14.89	15.50
		1	99	14.89	14.96	14.81	15.50
		50	0	14.91	14.88	14.90	15.50
		50	25	14.82	14.91	14.84	15.50
		50	50	14.89	15.01	14.80	15.50
		100	0	14.91	15.01	14.90	15.50
	64QAM	1	0	14.95	15.01	14.93	15.50
		1	50	14.87	14.94	14.82	15.50
		1	99	14.92	14.90	14.93	15.50
		50	0	14.91	14.95	14.84	15.50
		50	25	14.98	14.93	14.88	15.50
		50	50	14.98	14.97	14.80	15.50
		100	0	14.88	14.88	14.90	15.50
	256QAM	1	0	14.89	14.89	14.80	15.50
		1	50	14.93	14.98	14.88	15.50
		1	99	14.86	14.94	14.80	15.50
		50	0	14.93	14.91	14.93	15.50
		50	25	14.97	14.92	14.78	15.50
		50	50	14.94	14.90	14.88	15.50
		100	0	14.90	15.00	14.91	15.50

LTE Band 66 Ant1 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	23.17	23.21	23.20	24.00
		1	2	22.99	23.11	23.07	24.00
		1	5	23.10	23.14	23.03	24.00
		3	0	23.19	23.23	23.13	24.00
		3	1	23.05	23.11	23.01	24.00
		3	3	23.08	23.16	23.06	24.00
		6	0	22.16	22.26	22.14	23.00
	16QAM	1	0	22.12	22.17	22.21	23.00



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		1	2	22.11	22.21	22.16	23.00
		1	5	22.14	22.25	22.12	23.00
		3	0	22.13	22.26	22.13	23.00
		3	1	22.15	22.24	22.18	23.00
		3	3	22.17	22.17	22.09	23.00
		6	0	21.13	21.18	21.15	22.00
	64QAM	1	0	21.16	21.25	21.09	22.00
		1	2	21.14	21.23	21.17	22.00
		1	5	21.17	21.26	21.17	22.00
		3	0	21.09	21.23	21.20	22.00
		3	1	21.13	21.24	21.15	22.00
		3	3	21.16	21.23	21.14	22.00
	256QAM	6	0	20.11	20.24	20.13	21.00
		1	0	18.15	18.18	18.11	19.00
		1	2	18.17	18.25	18.11	19.00
		1	5	18.17	18.25	18.13	19.00
		3	0	18.14	18.24	18.21	19.00
		3	1	18.22	18.22	18.22	19.00
Bandwidth	Modulation	3	3	18.14	18.25	18.12	19.00
		6	0	18.14	18.29	18.20	19.00
		RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
		1	0	23.13	23.26	23.20	24.00
			7	23.04	23.15	23.05	24.00
			14	23.05	23.14	23.03	24.00
			8	22.16	22.23	22.18	23.00
			4	22.13	22.24	22.10	23.00
			7	22.14	22.20	22.16	23.00
		8	0	22.15	22.21	22.18	23.00
			0	22.15	22.17	22.22	23.00
			7	22.12	22.21	22.19	23.00
			14	22.10	22.23	22.09	23.00
			0	21.12	21.23	21.16	22.00
			4	21.19	21.20	21.15	22.00
			7	21.12	21.18	21.14	22.00
		15	0	21.14	21.24	21.13	22.00
			0	21.14	21.24	21.09	22.00
			7	21.11	21.23	21.16	22.00
			14	21.17	21.23	21.13	22.00
			0	20.16	20.22	20.18	21.00
			4	20.16	20.20	20.16	21.00
3MHz	16QAM	8	7	20.22	20.25	20.15	21.00
		15	0	20.13	20.21	20.13	21.00
	64QAM	1	0	18.14	18.21	18.13	19.00
		1	7	18.17	18.23	18.12	19.00
		1	14	18.16	18.22	18.16	19.00
		8	0	18.17	18.20	18.17	19.00
	256QAM	8	4	18.20	18.21	18.21	19.00
		8	7	18.14	18.23	18.11	19.00
		15	0	18.13	18.27	18.20	19.00
		RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
	QPSK	1	0	23.17	23.24	23.21	24.00
		1	13	23.04	23.15	23.05	24.00
		1	24	23.05	23.10	23.05	24.00
		12	0	22.10	22.24	22.15	23.00



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		12	6	22.11	22.17	22.15	23.00
		12	13	22.14	22.17	22.15	23.00
		25	0	22.13	22.21	22.13	23.00
	16QAM	1	0	22.12	22.18	22.17	23.00
		1	13	22.17	22.26	22.21	23.00
		1	24	22.13	22.22	22.11	23.00
		12	0	21.11	21.26	21.15	22.00
		12	6	21.14	21.24	21.11	22.00
		12	13	21.14	21.19	21.18	22.00
		25	0	21.13	21.24	21.17	22.00
		1	0	21.14	21.24	21.08	22.00
	64QAM	1	13	21.14	21.16	21.20	22.00
		1	24	21.14	21.28	21.11	22.00
		12	0	20.15	20.16	20.12	21.00
		12	6	20.19	20.18	20.17	21.00
		12	13	20.14	20.24	20.14	21.00
		25	0	20.12	20.25	20.16	21.00
		1	0	18.14	18.22	18.15	19.00
	256QAM	1	13	18.16	18.25	18.10	19.00
		1	24	18.18	18.21	18.13	19.00
		12	0	18.16	18.18	18.21	19.00
		12	6	18.20	18.21	18.19	19.00
		12	13	18.17	18.22	18.14	19.00
		25	0	18.13	18.29	18.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	23.18	23.22	23.16	24.00
		1	25	23.04	23.14	23.07	24.00
		1	49	23.08	23.16	23.03	24.00
		25	0	22.10	22.29	22.11	23.00
		25	13	22.14	22.24	22.18	23.00
		25	25	22.19	22.18	22.16	23.00
		50	0	22.18	22.23	22.18	23.00
	16QAM	1	0	22.14	22.24	22.18	23.00
		1	25	22.11	22.26	22.22	23.00
		1	49	22.12	22.28	22.11	23.00
		25	0	21.11	21.23	21.16	22.00
		25	13	21.14	21.25	21.15	22.00
		25	25	21.10	21.23	21.18	22.00
		50	0	21.10	21.19	21.17	22.00
	64QAM	1	0	21.19	21.26	21.10	22.00
		1	25	21.17	21.20	21.14	22.00
		1	49	21.16	21.26	21.13	22.00
		25	0	20.15	20.16	20.14	21.00
		25	13	20.14	20.21	20.17	21.00
		25	25	20.14	20.22	20.16	21.00
		50	0	20.16	20.20	20.18	21.00
	256QAM	1	0	18.15	18.20	18.13	19.00
		1	25	18.16	18.19	18.17	19.00
		1	49	18.17	18.23	18.14	19.00
		25	0	18.17	18.20	18.20	19.00
		25	13	18.15	18.19	18.19	19.00
		25	25	18.17	18.23	18.12	19.00
		50	0	18.14	18.30	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	23.17	23.20	23.14	24.00



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		1	38	23.01	23.17	23.04	24.00
		1	74	23.09	23.15	23.05	24.00
		36	0	22.14	22.24	22.13	23.00
		36	18	22.13	22.20	22.14	23.00
		36	39	22.14	22.19	22.15	23.00
		75	0	22.15	22.23	22.13	23.00
	16QAM	1	0	22.16	22.21	22.22	23.00
		1	38	22.15	22.24	22.19	23.00
		1	74	22.11	22.24	22.12	23.00
		36	0	21.10	21.27	21.17	22.00
		36	18	21.13	21.20	21.12	22.00
		36	39	21.13	21.20	21.19	22.00
	64QAM	75	0	21.13	21.22	21.19	22.00
		1	0	21.16	21.26	21.12	22.00
		1	38	21.18	21.21	21.18	22.00
		1	74	21.19	21.29	21.18	22.00
		36	0	20.12	20.18	20.17	21.00
		36	18	20.17	20.19	20.17	21.00
	256QAM	36	39	20.16	20.23	20.16	21.00
		75	0	20.14	20.23	20.13	21.00
		1	0	18.15	18.19	18.15	19.00
		1	38	18.17	18.19	18.10	19.00
		1	74	18.12	18.22	18.10	19.00
		36	0	18.21	18.18	18.14	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	23.47	23.55	23.48	24.00
		1	50	23.34	23.46	23.34	24.00
		1	99	23.37	23.43	23.35	24.00
		50	0	22.44	22.56	22.45	23.00
		50	25	22.43	22.51	22.45	23.00
		50	50	22.48	22.50	22.44	23.00
		100	0	22.47	22.54	22.46	23.00
	16QAM	1	0	22.44	22.52	22.51	23.00
		1	50	22.45	22.53	22.50	23.00
		1	99	22.44	22.55	22.44	23.00
		50	0	21.43	21.56	21.49	22.00
		50	25	21.47	21.54	21.46	22.00
		50	50	21.43	21.53	21.47	22.00
		100	0	21.44	21.52	21.47	22.00
	64QAM	1	0	21.46	21.57	21.43	22.00
		1	50	21.45	21.50	21.47	22.00
		1	99	21.47	21.56	21.45	22.00
		50	0	20.46	20.51	20.46	21.00
		50	25	20.46	20.51	20.46	21.00
		50	50	20.49	20.53	20.44	21.00
		100	0	20.46	20.53	20.46	21.00
	256QAM	1	0	18.45	18.52	18.46	19.00
		1	50	18.45	18.53	18.44	19.00
		1	99	18.45	18.55	18.44	19.00
		50	0	18.49	18.51	18.48	19.00
		50	25	18.50	18.51	18.50	19.00
		50	50	18.48	18.55	18.45	19.00
		100	0	18.45	18.57	18.50	19.00



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LTE Band 66 Ant1 Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	21.25	21.34	21.24	22.00
		1	2	21.15	21.27	21.08	22.00
		1	5	21.05	21.14	21.05	22.00
		3	0	21.27	21.42	21.23	22.00
		3	1	21.18	21.19	21.09	22.00
		3	3	21.09	21.09	21.04	22.00
		6	0	21.29	21.30	21.22	22.00
	16QAM	1	0	21.02	21.24	21.05	22.00
		1	2	21.20	21.18	21.11	22.00
		1	5	21.18	21.16	21.17	22.00
		3	0	21.05	21.22	21.21	22.00
		3	1	21.04	21.11	21.08	22.00
		3	3	21.11	21.17	21.09	22.00
		6	0	21.13	21.18	21.15	22.00
	64QAM	1	0	21.16	21.25	21.09	22.00
		1	2	21.14	21.23	21.17	22.00
		1	5	21.17	21.26	21.17	22.00
		3	0	21.09	21.23	21.20	22.00
		3	1	21.13	21.24	21.15	22.00
		3	3	21.16	21.23	21.14	22.00
		6	0	20.11	20.24	20.13	21.00
	256QAM	1	0	18.15	18.18	18.11	19.00
		1	2	18.17	18.25	18.11	19.00
		1	5	18.17	18.25	18.13	19.00
		3	0	18.14	18.24	18.21	19.00
		3	1	18.22	18.22	18.22	19.00
		3	3	18.14	18.25	18.12	19.00
		6	0	18.14	18.29	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131987	132322	132657	
3MHz	QPSK	1	0	21.23	21.37	21.18	22.00
		1	7	21.15	21.20	21.19	22.00
		1	14	21.08	21.14	21.05	22.00
		8	0	21.22	21.27	21.27	22.00
		8	4	21.09	21.19	21.02	22.00
		8	7	21.19	21.13	21.10	22.00
		15	0	21.14	21.21	21.07	22.00
	16QAM	1	0	21.06	21.20	21.10	22.00
		1	7	21.07	21.13	21.03	22.00
		1	14	21.15	21.21	21.17	22.00
		8	0	21.12	21.23	21.16	22.00
		8	4	21.19	21.20	21.15	22.00
		8	7	21.12	21.18	21.14	22.00
		15	0	21.14	21.24	21.13	22.00
	64QAM	1	0	21.14	21.24	21.09	22.00
		1	7	21.11	21.23	21.16	22.00
		1	14	21.17	21.23	21.13	22.00
		8	0	20.16	20.22	20.18	21.00
		8	4	20.16	20.20	20.16	21.00
		8	7	20.22	20.25	20.15	21.00



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		15	0	20.13	20.21	20.13	21.00
	256QAM	1	0	18.14	18.21	18.13	19.00
		1	7	18.17	18.23	18.12	19.00
		1	14	18.16	18.22	18.16	19.00
		8	0	18.17	18.20	18.17	19.00
		8	4	18.20	18.21	18.21	19.00
		8	7	18.14	18.23	18.11	19.00
		15	0	18.13	18.27	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	21.17	21.32	21.23	22.00
		1	13	21.18	21.28	21.14	22.00
		1	24	21.03	21.20	21.14	22.00
		12	0	21.24	21.26	21.17	22.00
		12	6	21.07	21.18	21.06	22.00
		12	13	21.10	21.18	21.12	22.00
		25	0	21.12	21.14	21.14	22.00
	16QAM	1	0	21.05	21.28	21.16	22.00
		1	13	21.10	21.13	21.13	22.00
		1	24	21.15	21.12	21.09	22.00
		12	0	21.11	21.26	21.15	22.00
		12	6	21.14	21.24	21.11	22.00
		12	13	21.14	21.19	21.18	22.00
		25	0	21.13	21.24	21.17	22.00
	64QAM	1	0	21.14	21.24	21.08	22.00
		1	13	21.14	21.16	21.20	22.00
		1	24	21.14	21.28	21.11	22.00
		12	0	20.15	20.16	20.12	21.00
		12	6	20.19	20.18	20.17	21.00
		12	13	20.14	20.24	20.14	21.00
		25	0	20.12	20.25	20.16	21.00
	256QAM	1	0	18.14	18.22	18.15	19.00
		1	13	18.16	18.25	18.10	19.00
		1	24	18.18	18.21	18.13	19.00
		12	0	18.16	18.18	18.21	19.00
		12	6	18.20	18.21	18.19	19.00
		12	13	18.17	18.22	18.14	19.00
		25	0	18.13	18.29	18.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	21.18	21.34	21.25	22.00
		1	25	21.11	21.22	21.10	22.00
		1	49	21.03	21.15	21.08	22.00
		25	0	21.33	21.24	21.24	22.00
		25	13	21.04	21.28	20.99	22.00
		25	25	21.20	21.11	21.07	22.00
		50	0	21.15	21.18	21.14	22.00
	16QAM	1	0	21.13	21.20	21.19	22.00
		1	25	21.05	21.17	21.07	22.00
		1	49	21.15	21.14	21.05	22.00
		25	0	21.11	21.23	21.16	22.00
		25	13	21.14	21.25	21.15	22.00
		25	25	21.10	21.23	21.18	22.00
		50	0	21.10	21.19	21.17	22.00
	64QAM	1	0	21.19	21.26	21.10	22.00
		1	25	21.17	21.20	21.14	22.00



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		1	49	21.16	21.26	21.13	22.00
		25	0	20.15	20.16	20.14	21.00
		25	13	20.14	20.21	20.17	21.00
		25	25	20.14	20.22	20.16	21.00
		50	0	20.16	20.20	20.18	21.00
	256QAM	1	0	18.15	18.20	18.13	19.00
		1	25	18.16	18.19	18.17	19.00
		1	49	18.17	18.23	18.14	19.00
		25	0	18.17	18.20	18.20	19.00
		25	13	18.15	18.19	18.19	19.00
		25	25	18.17	18.23	18.12	19.00
		50	0	18.14	18.30	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	21.26	21.34	21.17	22.00
		1	38	21.19	21.23	21.15	22.00
		1	74	21.12	21.16	21.08	22.00
		36	0	21.32	21.31	21.26	22.00
		36	18	21.12	21.21	21.05	22.00
		36	39	21.14	21.10	21.16	22.00
		75	0	21.14	21.24	21.12	22.00
	16QAM	1	0	21.12	21.28	21.09	22.00
		1	38	21.06	21.23	21.12	22.00
		1	74	21.18	21.19	21.16	22.00
		36	0	21.10	21.27	21.17	22.00
		36	18	21.13	21.20	21.12	22.00
		36	39	21.13	21.20	21.19	22.00
		75	0	21.13	21.22	21.19	22.00
	64QAM	1	0	21.16	21.26	21.12	22.00
		1	38	21.18	21.21	21.18	22.00
		1	74	21.19	21.29	21.18	22.00
		36	0	20.12	20.18	20.17	21.00
		36	18	20.17	20.19	20.17	21.00
		36	39	20.16	20.23	20.16	21.00
		75	0	20.14	20.23	20.13	21.00
	256QAM	1	0	18.15	18.19	18.15	19.00
		1	38	18.17	18.19	18.10	19.00
		1	74	18.12	18.22	18.10	19.00
		36	0	18.21	18.18	18.14	19.00
		36	18	18.20	18.24	18.23	19.00
		36	39	18.15	18.23	18.16	19.00
		75	0	18.14	18.25	18.16	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	21.38	21.53	21.35	22.00
		1	50	21.29	21.39	21.30	22.00
		1	99	21.23	21.31	21.25	22.00
		50	0	21.43	21.45	21.36	22.00
		50	25	21.24	21.40	21.19	22.00
		50	50	21.29	21.30	21.28	22.00
		100	0	21.33	21.34	21.27	22.00
	16QAM	1	0	21.26	21.39	21.31	22.00
		1	50	21.24	21.32	21.25	22.00
		1	99	21.28	21.32	21.26	22.00
		50	0	21.30	21.40	21.32	22.00
		50	25	21.26	21.39	21.30	22.00
		50	50	21.33	21.30	21.32	22.00



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	64QAM	100	0	21.23	21.36	21.20	22.00
		1	0	21.31	21.38	21.32	22.00
		1	50	21.19	21.31	21.25	22.00
		1	99	21.33	21.36	21.22	22.00
		50	0	20.46	20.51	20.46	21.00
		50	25	20.46	20.51	20.46	21.00
		50	50	20.49	20.53	20.44	21.00
		100	0	20.46	20.53	20.46	21.00
	256QAM	1	0	18.45	18.52	18.46	19.00
		1	50	18.45	18.53	18.44	19.00
		1	99	18.45	18.55	18.44	19.00
		50	0	18.49	18.51	18.48	19.00
		50	25	18.50	18.51	18.50	19.00
		50	50	18.48	18.55	18.45	19.00
		100	0	18.45	18.57	18.50	19.00

LTE Band 66 Ant1 Hotspot For ENDC				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	19.29	19.51	19.26	20.00
		1	2	19.19	19.30	19.16	20.00
		1	5	19.07	19.23	19.11	20.00
		3	0	19.31	19.38	19.28	20.00
		3	1	19.14	19.28	19.26	20.00
		3	3	19.03	19.20	19.07	20.00
		6	0	19.18	19.28	19.25	20.00
	16QAM	1	0	19.06	19.25	19.15	20.00
		1	2	19.19	19.29	19.20	20.00
		1	5	19.21	19.28	19.16	20.00
		3	0	19.23	19.26	19.24	20.00
		3	1	19.12	19.16	19.20	20.00
		3	3	19.18	19.22	19.22	20.00
		6	0	19.14	19.19	19.08	20.00
	64QAM	1	0	19.27	19.28	19.17	20.00
		1	2	19.16	19.19	19.07	20.00
		1	5	19.15	19.28	19.23	20.00
		3	0	19.17	19.21	19.18	20.00
		3	1	19.29	19.45	19.22	20.00
		3	3	19.19	19.32	19.20	20.00
		6	0	19.08	19.25	19.07	20.00
	256QAM	1	0	18.15	18.18	18.11	19.00
		1	2	18.17	18.25	18.11	19.00
		1	5	18.17	18.25	18.13	19.00
		3	0	18.14	18.24	18.21	19.00
		3	1	18.22	18.22	18.22	19.00
		3	3	18.14	18.25	18.12	19.00
		6	0	18.14	18.29	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
3MHz	QPSK	1	0	19.27	19.46	19.24	20.00
		1	7	19.14	19.28	19.16	20.00
		1	14	19.07	19.25	19.14	20.00
		8	0	19.31	19.37	19.29	20.00
		8	4	19.19	19.25	19.19	20.00



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		8	7	19.10	19.19	19.15	20.00
		15	0	19.23	19.32	19.18	20.00
	16QAM	1	0	19.05	19.25	19.15	20.00
		1	7	19.22	19.27	19.18	20.00
		1	14	19.16	19.28	19.17	20.00
		8	0	19.21	19.28	19.17	20.00
		8	4	19.12	19.19	19.17	20.00
		8	7	19.22	19.29	19.14	20.00
		15	0	19.19	19.24	19.11	20.00
	64QAM	1	0	19.19	19.27	19.13	20.00
		1	7	19.12	19.22	19.14	20.00
		1	14	19.24	19.30	19.22	20.00
		8	0	19.15	19.25	19.18	20.00
		8	4	19.27	19.43	19.27	20.00
		8	7	19.26	19.30	19.16	20.00
	256QAM	15	0	19.07	19.22	19.12	20.00
		1	0	18.14	18.21	18.13	19.00
		1	7	18.17	18.23	18.12	19.00
		1	14	18.16	18.22	18.16	19.00
		8	0	18.17	18.20	18.17	19.00
		8	4	18.20	18.21	18.21	19.00
		8	7	18.14	18.23	18.11	19.00
		15	0	18.13	18.27	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	19.26	19.45	19.24	20.00
		1	13	19.17	19.27	19.13	20.00
		1	24	19.07	19.24	19.07	20.00
		12	0	19.30	19.41	19.22	20.00
		12	6	19.17	19.31	19.25	20.00
		12	13	19.05	19.23	19.10	20.00
		25	0	19.27	19.28	19.25	20.00
	16QAM	1	0	19.09	19.20	19.08	20.00
		1	13	19.23	19.24	19.15	20.00
		1	24	19.15	19.23	19.11	20.00
		12	0	19.22	19.26	19.17	20.00
		12	6	19.10	19.17	19.14	20.00
		12	13	19.26	19.24	19.18	20.00
		25	0	19.15	19.19	19.08	20.00
	64QAM	1	0	19.24	19.26	19.19	20.00
		1	13	19.14	19.25	19.15	20.00
		1	24	19.21	19.35	19.24	20.00
		12	0	19.15	19.18	19.15	20.00
		12	6	19.26	19.39	19.24	20.00
		12	13	19.25	19.28	19.16	20.00
		25	0	19.10	19.21	19.10	20.00
	256QAM	1	0	18.14	18.22	18.15	19.00
		1	13	18.16	18.25	18.10	19.00
		1	24	18.18	18.21	18.13	19.00
		12	0	18.16	18.18	18.21	19.00
		12	6	18.20	18.21	18.19	19.00
		12	13	18.17	18.22	18.14	19.00
		25	0	18.13	18.29	18.15	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132022	132322	132622	
10MHz	QPSK	1	0	19.33	19.49	19.27	20.00



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		1	25	19.17	19.31	19.15	20.00
		1	49	19.09	19.28	19.05	20.00
		25	0	19.27	19.44	19.29	20.00
		25	13	19.11	19.28	19.18	20.00
		25	25	19.05	19.25	19.11	20.00
		50	0	19.22	19.29	19.25	20.00
	16QAM	1	0	19.12	19.20	19.10	20.00
		1	25	19.20	19.29	19.18	20.00
		1	49	19.19	19.27	19.16	20.00
		25	0	19.24	19.27	19.24	20.00
		25	13	19.11	19.26	19.12	20.00
		25	25	19.21	19.23	19.14	20.00
	64QAM	50	0	19.18	19.22	19.13	20.00
		1	0	19.23	19.34	19.22	20.00
		1	25	19.17	19.25	19.15	20.00
		1	49	19.22	19.31	19.26	20.00
		25	0	19.18	19.25	19.11	20.00
		25	13	19.31	19.37	19.22	20.00
	256QAM	25	25	19.18	19.26	19.21	20.00
		50	0	19.15	19.22	19.15	20.00
		1	0	18.15	18.20	18.13	19.00
		1	25	18.16	18.19	18.17	19.00
		1	49	18.17	18.23	18.14	19.00
		25	0	18.17	18.20	18.20	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132047	132322	132597	
15MHz	QPSK	1	0	19.28	19.46	19.31	20.00
		1	38	19.13	19.23	19.21	20.00
		1	74	19.08	19.26	19.15	20.00
		36	0	19.28	19.44	19.24	20.00
		36	18	19.11	19.21	19.17	20.00
		36	39	19.10	19.23	19.13	20.00
		75	0	19.19	19.28	19.21	20.00
	16QAM	1	0	19.11	19.22	19.07	20.00
		1	38	19.25	19.33	19.14	20.00
		1	74	19.22	19.23	19.11	20.00
		36	0	19.22	19.33	19.23	20.00
		36	18	19.16	19.18	19.19	20.00
		36	39	19.16	19.24	19.21	20.00
		75	0	19.13	19.27	19.15	20.00
	64QAM	1	0	19.19	19.29	19.17	20.00
		1	38	19.14	19.23	19.06	20.00
		1	74	19.23	19.28	19.20	20.00
		36	0	19.14	19.22	19.10	20.00
		36	18	19.31	19.38	19.17	20.00
		36	39	19.19	19.30	19.20	20.00
		75	0	19.10	19.22	19.09	20.00
	256QAM	1	0	18.15	18.19	18.15	19.00
		1	38	18.17	18.19	18.10	19.00
		1	74	18.12	18.22	18.10	19.00
		36	0	18.21	18.18	18.14	19.00
		36	18	18.20	18.24	18.23	19.00
		36	39	18.15	18.23	18.16	19.00
		75	0	18.14	18.25	18.16	19.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				132072	132322	132572	
20MHz	QPSK	1	0	19.39	19.58	19.39	20.00
		1	50	19.26	19.39	19.28	20.00
		1	99	19.19	19.36	19.21	20.00
		50	0	19.39	19.52	19.36	20.00
		50	25	19.25	19.37	19.32	20.00
		50	50	19.19	19.33	19.22	20.00
		100	0	19.33	19.43	19.33	20.00
	16QAM	1	0	19.19	19.35	19.21	20.00
		1	50	19.34	19.40	19.30	20.00
		1	99	19.28	19.34	19.26	20.00
		50	0	19.30	19.40	19.30	20.00
		50	25	19.23	19.32	19.26	20.00
		50	50	19.32	19.36	19.28	20.00
		100	0	19.27	19.33	19.22	20.00
	64QAM	1	0	19.33	19.41	19.29	20.00
		1	50	19.24	19.33	19.22	20.00
		1	99	19.30	19.43	19.35	20.00
		50	0	19.26	19.32	19.26	20.00
		50	25	19.38	19.51	19.33	20.00
		50	50	19.32	19.38	19.31	20.00
		100	0	19.21	19.31	19.22	20.00
	256QAM	1	0	18.45	18.52	18.46	19.00
		1	50	18.45	18.53	18.44	19.00
		1	99	18.45	18.55	18.44	19.00
		50	0	18.49	18.51	18.48	19.00
		50	25	18.50	18.51	18.50	19.00
		50	50	18.48	18.55	18.45	19.00
		100	0	18.45	18.57	18.50	19.00

LTE Band 71 Ant7 Head&Hotspot				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133297	133447	
5MHz	QPSK	1	0	21.89	22.02	21.94	23.00
		1	13	21.81	21.89	21.81	23.00
		1	24	21.87	21.96	21.79	23.00
		12	0	21.93	22.04	22.01	23.00
		12	6	21.75	21.92	21.80	23.00
		12	13	21.84	22.00	21.77	23.00
		25	0	21.94	21.98	21.95	23.00
	16QAM	1	0	21.71	21.86	21.78	23.00
		1	13	21.82	21.87	21.90	23.00
		1	24	21.81	21.95	21.86	23.00
		12	0	21.78	21.91	21.83	23.00
		12	6	21.79	21.82	21.84	23.00
		12	13	21.81	21.96	21.84	23.00
		25	0	21.31	21.51	21.32	22.00
	64QAM	1	0	21.29	21.39	21.29	22.00
		1	13	21.37	21.43	21.33	22.00
		1	24	21.34	21.43	21.33	22.00
		12	0	21.36	21.40	21.39	22.00
		12	6	21.29	21.46	21.34	22.00
		12	13	21.35	21.38	21.29	22.00
		25	0	20.30	20.46	20.34	21.00



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	256QAM	1	0	18.36	18.48	18.40	19.00
		1	13	18.25	18.40	18.30	19.00
		1	24	18.27	18.42	18.42	19.00
		12	0	18.37	18.48	18.32	19.00
		12	6	18.36	18.35	18.27	19.00
		12	13	18.32	18.33	18.33	19.00
		25	0	18.33	18.50	18.27	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133172	133297	133422	
10MHz	QPSK	1	0	21.92	22.02	22.01	23.00
		1	25	21.80	21.87	21.76	23.00
		1	49	21.88	22.00	21.81	23.00
		25	0	21.97	22.00	21.97	23.00
		25	13	21.74	21.82	21.85	23.00
		25	25	21.82	21.95	21.82	23.00
		50	0	21.78	21.96	21.87	23.00
	16QAM	1	0	21.82	21.94	21.81	23.00
		1	25	21.85	21.88	21.89	23.00
		1	49	21.81	21.97	21.80	23.00
		25	0	21.42	21.53	21.27	22.00
		25	13	21.25	21.49	21.42	22.00
		25	25	21.38	21.42	21.38	22.00
		50	0	21.35	21.51	21.31	22.00
	64QAM	1	0	21.36	21.44	21.28	22.00
		1	25	21.36	21.42	21.40	22.00
		1	49	21.25	21.42	21.31	22.00
		25	0	20.26	20.35	20.29	21.00
		25	13	20.35	20.41	20.37	21.00
		25	25	20.32	20.48	20.29	21.00
		50	0	20.34	20.44	20.34	21.00
	256QAM	1	0	18.30	18.40	18.41	19.00
		1	25	18.24	18.43	18.36	19.00
		1	49	18.28	18.37	18.47	19.00
		25	0	18.37	18.47	18.33	19.00
		25	13	18.36	18.41	18.36	19.00
		25	25	18.38	18.33	18.35	19.00
		50	0	18.37	18.41	18.32	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133197	133297	133397	
15MHz	QPSK	1	0	21.91	22.07	22.00	23.00
		1	38	21.75	21.91	21.81	23.00
		1	74	21.87	22.00	21.76	23.00
		36	0	21.95	22.05	21.95	23.00
		36	18	21.76	21.87	21.85	23.00
		36	39	21.77	21.96	21.89	23.00
		75	0	21.79	21.92	21.87	23.00
	16QAM	1	0	21.79	21.91	21.82	23.00
		1	38	21.80	21.85	21.90	23.00
		1	74	21.83	21.97	21.84	23.00
		36	0	21.33	21.46	21.33	22.00
		36	18	21.29	21.49	21.42	22.00
		36	39	21.28	21.43	21.41	22.00
		75	0	21.37	21.45	21.32	22.00
	64QAM	1	0	21.34	21.37	21.38	22.00
		1	38	21.32	21.48	21.37	22.00
		1	74	21.32	21.45	21.31	22.00

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		36	0	20.23	20.43	20.36	21.00
		36	18	20.33	20.43	20.28	21.00
		36	39	20.25	20.42	20.27	21.00
		75	0	20.29	20.44	20.31	21.00
	256QAM	1	0	18.33	18.41	18.40	19.00
		1	38	18.33	18.36	18.33	19.00
		1	74	18.32	18.40	18.41	19.00
		36	0	18.30	18.46	18.31	19.00
		36	18	18.34	18.37	18.34	19.00
		36	39	18.35	18.40	18.30	19.00
		75	0	18.36	18.49	18.37	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133222	133322	133372	
20MHz	QPSK	1	0	22.14	22.24	22.17	23.00
		1	50	21.98	22.10	22.00	23.00
		1	99	22.07	22.17	22.00	23.00
		50	0	22.14	22.21	22.14	23.00
		50	25	21.96	22.06	22.03	23.00
		50	50	22.02	22.12	22.07	23.00
		100	0	21.97	22.12	22.06	23.00
	16QAM	1	0	21.99	22.16	21.99	23.00
		1	50	22.01	22.05	22.07	23.00
		1	99	22.00	22.14	22.03	23.00
		50	0	21.67	21.78	21.64	22.00
		50	25	21.57	21.76	21.72	22.00
		50	50	21.64	21.68	21.72	22.00
		100	0	21.65	21.79	21.66	22.00
	64QAM	1	0	21.62	21.74	21.65	22.00
		1	50	21.65	21.78	21.69	22.00
		1	99	21.61	21.70	21.62	22.00
		50	0	20.58	20.70	20.66	21.00
		50	25	20.60	20.72	20.65	21.00
		50	50	20.59	20.74	20.63	21.00
		100	0	20.66	20.77	20.68	21.00
	256QAM	1	0	18.66	18.73	18.73	19.00
		1	50	18.61	18.73	18.63	19.00
		1	99	18.63	18.71	18.73	19.00
		50	0	18.64	18.74	18.66	19.00
		50	25	18.65	18.71	18.63	19.00
		50	50	18.68	18.69	18.63	19.00
		100	0	18.66	18.77	18.63	19.00

LTE Band 71 Ant7 Body				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133147	133297	133447	
5MHz	QPSK	1	0	23.25	23.42	23.30	24.00
		1	13	23.22	23.27	23.28	24.00
		1	24	23.18	23.26	23.20	24.00
		12	0	23.13	23.34	23.27	24.00
		12	6	23.19	23.38	23.17	24.00
		12	13	23.19	23.34	23.26	24.00
		25	0	22.33	22.39	22.33	23.00
	16QAM	1	0	22.24	22.35	22.25	23.00
		1	13	22.30	22.41	22.37	23.00
		1	24	22.26	22.35	22.34	23.00



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		12	0	22.28	22.36	22.36	23.00
		12	6	22.35	22.41	22.30	23.00
		12	13	22.22	22.36	22.35	23.00
		25	0	21.31	21.51	21.32	22.00
	64QAM	1	0	21.29	21.39	21.29	22.00
		1	13	21.37	21.43	21.33	22.00
		1	24	21.34	21.43	21.33	22.00
		12	0	21.36	21.40	21.39	22.00
		12	6	21.29	21.46	21.34	22.00
		12	13	21.35	21.38	21.29	22.00
		25	0	20.30	20.46	20.34	21.00
	256QAM	1	0	18.36	18.48	18.40	19.00
		1	13	18.25	18.40	18.30	19.00
		1	24	18.27	18.42	18.42	19.00
		12	0	18.37	18.48	18.32	19.00
		12	6	18.36	18.35	18.27	19.00
		12	13	18.32	18.33	18.33	19.00
		25	0	18.33	18.50	18.27	19.00
		25	0	18.33	18.50	18.27	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133172	133297	133422	
10MHz	QPSK	1	0	23.30	23.47	23.30	24.00
		1	25	23.14	23.29	23.25	24.00
		1	49	23.18	23.32	23.22	24.00
		25	0	22.27	22.43	22.35	23.00
		25	13	22.31	22.43	22.42	23.00
		25	25	22.28	22.43	22.31	23.00
		50	0	22.37	22.40	22.38	23.00
	16QAM	1	0	22.28	22.39	22.31	23.00
		1	25	22.29	22.37	22.31	23.00
		1	49	22.24	22.38	22.37	23.00
		25	0	21.42	21.53	21.27	22.00
		25	13	21.25	21.49	21.42	22.00
		25	25	21.38	21.42	21.38	22.00
		50	0	21.35	21.51	21.31	22.00
	64QAM	1	0	21.36	21.44	21.28	22.00
		1	25	21.36	21.42	21.40	22.00
		1	49	21.25	21.42	21.31	22.00
		25	0	20.26	20.35	20.29	21.00
		25	13	20.35	20.41	20.37	21.00
		25	25	20.32	20.48	20.29	21.00
		50	0	20.34	20.44	20.34	21.00
	256QAM	1	0	18.30	18.40	18.41	19.00
		1	25	18.24	18.43	18.36	19.00
		1	49	18.28	18.37	18.47	19.00
		25	0	18.37	18.47	18.33	19.00
		25	13	18.36	18.41	18.36	19.00
		25	25	18.38	18.33	18.35	19.00
		50	0	18.37	18.41	18.32	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133197	133297	133397	
15MHz	QPSK	1	0	23.27	23.42	23.38	24.00
		1	38	23.13	23.22	23.24	24.00
		1	74	23.25	23.32	23.24	24.00
		36	0	22.32	22.47	22.30	23.00
		36	18	22.27	22.37	22.35	23.00
		36	39	22.25	22.35	22.33	23.00



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	16QAM	75	0	22.34	22.36	22.30	23.00
		1	0	22.28	22.36	22.30	23.00
		1	38	22.37	22.36	22.30	23.00
		1	74	22.33	22.43	22.31	23.00
		36	0	21.33	21.46	21.33	22.00
		36	18	21.29	21.49	21.42	22.00
		36	39	21.28	21.43	21.41	22.00
	64QAM	75	0	21.37	21.45	21.32	22.00
		1	0	21.34	21.37	21.38	22.00
		1	38	21.32	21.48	21.37	22.00
		1	74	21.32	21.45	21.31	22.00
		36	0	20.23	20.43	20.36	21.00
		36	18	20.33	20.43	20.28	21.00
		36	39	20.25	20.42	20.27	21.00
	256QAM	75	0	20.29	20.44	20.31	21.00
		1	0	18.33	18.41	18.40	19.00
		1	38	18.33	18.36	18.33	19.00
		1	74	18.32	18.40	18.41	19.00
		36	0	18.30	18.46	18.31	19.00
		36	18	18.34	18.37	18.34	19.00
		36	39	18.35	18.40	18.30	19.00
		75	0	18.36	18.49	18.37	19.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133222	133322	133372	
20MHz	QPSK	1	0	23.61	23.72	23.66	24.00
		1	50	23.48	23.59	23.55	24.00
		1	99	23.54	23.63	23.53	24.00
		50	0	22.60	22.74	22.62	23.00
		50	25	22.60	22.73	22.69	23.00
		50	50	22.58	22.71	22.62	23.00
		100	0	22.64	22.70	22.65	23.00
	16QAM	1	0	22.58	22.71	22.62	23.00
		1	50	22.63	22.70	22.65	23.00
		1	99	22.59	22.71	22.67	23.00
		50	0	21.67	21.78	21.64	22.00
		50	25	21.57	21.76	21.72	22.00
		50	50	21.64	21.68	21.72	22.00
		100	0	21.65	21.79	21.66	22.00
	64QAM	1	0	21.62	21.74	21.65	22.00
		1	50	21.65	21.78	21.69	22.00
		1	99	21.61	21.70	21.62	22.00
		50	0	20.58	20.70	20.66	21.00
		50	25	20.60	20.72	20.65	21.00
		50	50	20.59	20.74	20.63	21.00
		100	0	20.66	20.77	20.68	21.00
	256QAM	1	0	18.66	18.73	18.73	19.00
		1	50	18.61	18.73	18.63	19.00
		1	99	18.63	18.71	18.73	19.00
		50	0	18.64	18.74	18.66	19.00
		50	25	18.65	18.71	18.63	19.00
		50	50	18.68	18.69	18.63	19.00
		100	0	18.66	18.77	18.63	19.00



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4. Conducted Power of LTE UL_CA

CA_7C Ant 1 Head & Hotspot										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	1	99	2	0	17.01	18.00
21100	21298	QPSK	1	0	1	99	2	0	17.12	18.00
21350	21152	QPSK	1	99	1	0	2	0	17.05	18.00

CA_7C Ant 1 Body										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	1	99	2	0	23.07	24.00
21100	21298	QPSK	1	0	1	99	2	0	23.25	24.00
21350	21152	QPSK	1	99	1	0	2	0	23.11	24.00

CA_7C Ant 1 Product specific 10g										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	0	1	99	2	0	20.03	21.00
21100	21298	QPSK	1	0	1	99	2	0	20.14	21.00
21350	21152	QPSK	1	99	1	0	2	0	20.09	21.00

CA_38C Ant 1 Head&Hotspot										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	1	99	2	0	20.01	21.50
38000	38198	QPSK	1	0	1	99	2	0	20.11	21.50
38150	37952	QPSK	1	99	1	0	2	0	19.93	21.50

CA_38C Ant 1 Body & Product specific 10g										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
37850	38048	QPSK	1	0	1	99	2	0	22.01	24.00
38000	38198	QPSK	1	0	1	99	2	0	22.12	24.00



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38150	37952	QPSK	1	99	1	0	2	0	22.03	24.00
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5. Conducted Power of LTE DL_CA

CA List	PCC								SCC1				Power		
	LTE	Ant	BW	UL	UL	Mod.	UL#	UL	LTE	BW	DL	DL	With CA	Without CA	
	Band		(MHz)	Freq.			Channel	RB	RB	Band	(MHz)	Freq.	Channel	Tx. Power	Tx. Power
				(MHz)					Offset			(MHz)		(dBm)	(dBm)
CA_2C	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 2	20M	1979.8	1098	23.51	23.58	
CA_2A-2A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 2	5M	1987.5	1175	23.48	23.58	
CA_2A-4A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 4	20M	2132.5	2175	23.5	23.58	
	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 2	20M	1960	900	23.33	23.47	
CA_2A-5A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 5	10M	881.5	2525	23.49	23.58	
	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 2	20M	1960	900	23.52	23.67	
CA_2A-12A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 12	10M	737.5	5095	23.48	23.58	
	Band 12	Ant7	10M	707.5	23095	QPSK	1	0	Band 2	20M	1960	900	23.63	23.76	
CA_2A-13A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 13	10M	751	5230	23.48	23.58	
	Band 13	Ant7	10M	782	23230	QPSK	1	0	Band 2	20M	1960	900	23.57	23.65	
CA_2A-14A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 14	10M	763	5330	23.49	23.58	
	Band 14	Ant7	10M	793	23330	QPSK	1	0	Band 2	20M	1960	900	23.57	23.68	
CA_2A-66A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 66	20M	2155	66886	23.47	23.58	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 2	20M	1960	900	23.41	23.55	
CA_2A-71A	Band 2	Ant1	20M	1880	18900	QPSK	1	0	Band 71	20M	683	68786	23.49	23.58	
	Band 71	Ant7	20M	683	133322	QPSK	1	0	Band 2	20M	1960	900	23.57	23.72	
CA_4A-4A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 4	5M	2152.5	2375	23.33	23.47	
CA_4A-5A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 5	10M	881.5	2525	23.37	23.47	
	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 4	20M	2132.5	2175	23.55	23.67	
CA_4A-7A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 7	20M	2655	3100	23.35	23.47	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	Band 4	20M	2132.5	2175	23.46	23.57	
CA_4A-12A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 12	10M	737.5	5095	23.36	23.47	
	Band 12	Ant7	10M	707.5	23095	QPSK	1	0	Band 4	20M	2132.5	2175	23.62	23.76	
CA_4A-13A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 13	10M	751	5230	23.35	23.47	
	Band 13	Ant7	10M	782	23230	QPSK	1	0	Band 4	20M	2132.5	2175	23.5	23.65	
CA_4A-71A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	Band 71	20M	683	68786	23.36	23.47	
	Band 71	Ant7	20M	683	133322	QPSK	1	0	Band 4	20M	2132.5	2175	23.63	23.72	
CA_5A-7A	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	23.58	23.67	
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	Band 5	10M	881.5	2525	23.49	23.57	
CA_5A-38A	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 38	20M	2595	38000	23.6	23.67	
	Band 38	Ant1	20M	2595	38000	QPSK	1	0	Band 5	10M	881.5	2525	22.18	22.29	
CA_5A-41A	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 41	20M	2593	40620	23.56	23.67	
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 5	10M	881.5	2525	22.75	22.86	
CA_5A-66A	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	23.58	23.67	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	23.42	23.55	
CA_7A-13A	Band 7	Ant1	20M	2535	21100	QPSK	1	0	Band 13	10M	751	5230	23.49	23.57	
	Band 13	Ant7	10M	782	23230	QPSK	1	0	Band 7	20M	2655	3100	23.53	23.65	
CA_12A-25A	Band 12	Ant7	10M	707.5	23095	QPSK	1	0	Band 25	20M	1960	8340	23.66	23.76	
	Band 25	Ant1	20M	1880	26365	QPSK	1	0	Band 12	10M	737.5	5095	23.64	23.71	
CA_12A-66A	Band 12	Ant7	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	23.64	23.76	
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	23.48	23.55	
CA_13A-66A	Band 13	Ant7	10M	782	23230	QPSK	1	0	Band 66	20M	2155	66886	23.57	23.65	

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	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 13	10M	751	5230	23.41	23.55
CA_14A-66A	Band 14	Ant7	10M	793	23330	QPSK	1	0	Band 66	20M	2155	66886	23.61	23.68
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 14	10M	763	5330	23.48	23.55
CA_25A-25A	Band 25	Ant1	20M	1880	26365	QPSK	1	0	Band 25	5M	1891.7	8457	23.61	23.71
CA_25A-26A	Band 25	Ant1	20M	1880	26365	QPSK	1	0	Band 26	15M	876.5	8865	23.61	23.71
	Band 26	Ant7	15M	831.5	26865	QPSK	1	0	Band 25	20M	1960	8340	23.61	23.76
CA_26A-38A	Band 26	Ant7	15M	831.5	26865	QPSK	1	0	Band 38	20M	2595	38000	23.63	23.76
	Band 38	Ant1	20M	2595	38000	QPSK	1	0	Band 26	15M	876.5	8865	22.16	22.29
CA_26A-66A	Band 26	Ant7	15M	831.5	26865	QPSK	1	0	Band 66	20M	2155	66886	23.61	23.76
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 26	15M	876.5	8865	23.45	23.55
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	22.78	22.86
CA_41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 41	5M	2687.5	41565	22.76	22.86
CA_66B	Band 66	Ant1	15M	1745	132322	QPSK	1	0	Band 66	5M	2164.3	66979	23.44	23.55
CA_66C	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	23.41	23.55
CA_66A-66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	23.41	23.55
CA_66A-71A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 71	20M	683	68786	23.42	23.55
	Band 71	Ant7	20M	683	133322	QPSK	1	0	Band 66	20M	2155	66886	23.58	23.72

CA List	PCC								SCC1				SCC2				Power	
	LTE	Ant	BW	UL	UL	Mod.	UL #	UL	LTE	BW	DL	DL	LTE	BW	DL	DL	With CA	Witho ut CA
	Band		(MH z)	Freq.	Channel		RB	RB Off set	Band	(MH z)	Freq.	Chann el	Band	(MH z)	Freq.	Chan nel	Tx. Power	Tx. Power
				(MHz)							(MHz)				(MHz)		(dBm)	(dBm)
CA_41D	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 41	20M	2632.6	41016	22.73	22.86
CA_5A-7C	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 7	20M	2655	3100	Band 7	20M	2554.8	3298	23.53	23.67
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	Band 7	20M	2554.8	3298	Band 5	10M	881.5	2525	23.49	23.57
CA_5A-66B	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.52	23.67
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	Band 66	5M	2154.3	66879	Band 5	10M	881.5	2525	23.41	23.55
CA_5A-66C	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.6	23.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 5	10M	881.5	2525	23.42	23.55
CA_5B-66A	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 5	5M	888.7	2597	Band 66	20M	2155	66886	23.53	23.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 5	10M	881.5	2525	Band 5	5M	888.7	2597	23.48	23.55
CA_12A-66C	Band 12	Ant7	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.66	23.76
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 12	10M	737.5	5095	23.41	23.55
CA_12B-66A	Band 12	Ant7	10M	707.5	23095	QPSK	1	0	Band 12	5M	743.5	5155	Band 66	20M	2155	66886	23.67	23.76
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 12	10M	737.5	5095	Band 12	5M	743.5	5155	23.45	23.55
CA_13A-66B	Band 13	Ant7	10M	782	23230	QPSK	1	0	Band 66	15M	2155	66886	Band 66	5M	2164.3	66979	23.57	23.65
	Band 66	Ant1	15M	1745	132322	QPSK	1	0	Band 66	5M	2154.3	66879	Band 13	10M	751	5230	23.46	23.55
CA_13A-66C	Band 13	Ant7	10M	782	23230	QPSK	1	0	Band 66	20M	2155	66886	Band 66	20M	2174.8	67084	23.51	23.65
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	20M	2174.8	67084	Band 13	10M	751	5230	23.4	23.55
CA_26A-38C	Band 26	Ant7	15M	831.5	26865	QPSK	1	0	Band 38	20M	2595	38000	Band 38	20M	2614.8	38198	23.64	23.76
	Band 38	Ant1	20M	2595	38000	QPSK	1	0	Band 38	20M	2614.8	38198	Band 26	15M	876.5	8865	22.14	22.29
CA_26A-41C	Band 26	Ant7	15M	831.5	26865	QPSK	1	0	Band 41	20M	2593	40620	Band 41	20M	2612.8	40818	23.65	23.76
	Band 41	Ant1	20M	2593	40620	QPSK	1	0	Band 41	20M	2612.8	40818	Band 26	15M	876.5	8865	22.75	22.86
CA_5A-66A-66A	Band 5	Ant7	10M	836.5	20525	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.54	23.67
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 5	10M	881.5	2525	23.47	23.55
CA_12A	Band 12	Ant7	10M	707.5	23095	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197.5	67311	23.62	23.76



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- 66A - 66A	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 12	10M	737.5	5095	23.43	23.55
CA 13A - 66A - 66A	Band 13	Ant7	10M	782	23230	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197. 5	67311	23.57	23.65
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 13	10M	751	5230	23.48	23.55
CA 14A - 66A - 66A	Band 14	Ant7	10M	793	23330	QPSK	1	0	Band 66	20M	2155	66886	Band 66	5M	2197. 5	67311	23.57	23.68
	Band 66	Ant1	20M	1745	132322	QPSK	1	0	Band 66	5M	2197.5	67311	Band 14	10M	763	5330	23.45	23.55



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6. Conducted Power of 5G NR

N2 Ant6 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
				1870	1880	1890	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.54	20.62	20.52	22.00
		1	108	20.52	20.67	20.45	22.00
		1	214	20.48	20.66	20.48	22.00
		108	0	20.53	20.56	20.47	22.00
		108	54	20.47	20.60	20.40	22.00
		108	108	20.42	20.60	20.38	22.00
		216	0	20.38	20.60	20.39	22.00
	DFT-s-OFDM QPSK	1	1	20.64	20.77	20.52	22.00
		1	108	20.46	20.60	20.46	22.00
		1	214	20.41	20.71	20.39	22.00
		108	0	20.40	20.65	20.42	22.00
		108	54	20.51	20.67	20.47	22.00
		108	108	20.48	20.58	20.51	22.00
		216	0	20.42	20.61	20.50	22.00
	DFT-s-OFDM 16QAM	1	1	20.42	20.60	20.46	22.00
	DFT-s-OFDM 64QAM	1	1	19.78	19.93	19.88	21.50
	DFT-s-OFDM 256QAM	1	1	18.22	18.37	18.22	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	CP-OFDM QPSK	1	1	19.22	19.28	19.07	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373000	376000	379000	
30MHz	DFT-s-OFDM QPSK	1	1	20.37	20.51	20.27	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372500	376000	379500	
25MHz	DFT-s-OFDM QPSK	1	1	20.31	20.45	20.28	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	DFT-s-OFDM QPSK	1	1	20.30	20.47	20.29	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	20.32	20.46	20.18	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	20.39	20.51	20.23	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	20.38	20.48	20.24	22.00



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N2 Ant6 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
				1870	1880	1890	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.51	22.60	22.45	24.00
		1	108	22.45	22.63	22.43	24.00
		1	214	22.41	22.63	22.41	24.00
		108	0	22.08	22.20	22.06	23.50
		108	54	22.52	22.61	22.38	24.00
		108	108	22.10	22.18	21.99	23.50
		216	0	22.04	22.14	22.04	23.50
	DFT-s-OFDM QPSK	1	1	22.57	22.69	22.52	24.00
		1	108	22.46	22.56	22.40	24.00
		1	214	22.44	22.62	22.38	24.00
		108	0	21.54	21.69	21.50	23.00
		108	54	22.42	22.63	22.56	24.00
		108	108	21.53	21.65	21.48	23.00
		216	0	21.59	21.73	21.54	23.00
	DFT-s-OFDM 16QAM	1	1	21.30	21.39	21.33	23.00
	DFT-s-OFDM 64QAM	1	1	19.78	19.93	19.88	21.50
	DFT-s-OFDM 256QAM	1	1	18.22	18.37	18.22	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376000	378000	
40MHz	CP-OFDM QPSK	1	1	20.89	21.02	20.80	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373000	376000	379000	
30MHz	DFT-s-OFDM QPSK	1	1	22.25	22.45	22.17	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372500	376000	379500	
25MHz	DFT-s-OFDM QPSK	1	1	22.23	22.44	22.23	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376000	380000	
20MHz	DFT-s-OFDM QPSK	1	1	22.22	22.36	22.28	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376000	380500	
15MHz	DFT-s-OFDM QPSK	1	1	22.29	22.43	22.18	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376000	381000	
10MHz	DFT-s-OFDM QPSK	1	1	22.27	22.36	22.25	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376000	381500	
5MHz	DFT-s-OFDM QPSK	1	1	22.32	22.35	22.24	24.00



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N5 Ant7 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.77	20.83	20.71	22.00
		1	53	20.75	20.88	20.67	22.00
		1	104	20.67	20.80	20.81	22.00
		50	0	20.79	20.84	20.71	22.00
		50	28	20.83	20.81	20.87	22.00
		50	56	20.71	20.85	20.74	22.00
		100	0	20.72	20.86	20.79	22.00
	DFT-s-OFDM QPSK	1	1	20.88	20.96	20.87	22.00
		1	53	20.71	20.84	20.71	22.00
		1	104	20.68	20.91	20.78	22.00
		50	0	20.74	20.85	20.77	22.00
		50	28	20.83	20.89	20.86	22.00
		50	56	20.74	20.83	20.78	22.00
		100	0	20.78	20.81	20.71	22.00
	DFT-s-OFDM 16QAM	1	1	20.77	20.86	20.77	22.00
	DFT-s-OFDM 64QAM	1	1	20.10	20.26	20.15	21.50
	DFT-s-OFDM 256QAM	1	1	18.65	18.77	18.62	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
20MHz	CP-OFDM QPSK	1	1	19.38	19.51	19.42	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166300	167300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	20.65	20.63	20.59	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165800	167300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	20.64	20.74	20.55	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				165300	167300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	20.55	20.70	20.55	22.00

N5 Ant7 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				166800	167300	167800	
				834	836.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.70	22.84	22.74	24.00
		1	53	22.75	22.85	22.72	24.00
		1	104	22.72	22.86	22.70	24.00
		50	0	22.37	22.46	22.39	23.50
		50	28	22.73	22.81	22.70	24.00
		50	56	22.32	22.45	22.42	23.50
		100	0	22.29	22.47	22.35	23.50
	DFT-s-OFDM QPSK	1	1	22.81	22.93	22.86	24.00
		1	53	22.70	22.82	22.74	24.00



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		1	104	22.71	22.81	22.80	24.00
		50	0	21.81	21.91	21.83	23.00
		50	28	22.70	22.86	22.79	24.00
		50	56	21.83	21.93	21.88	23.00
		100	0	21.87	21.89	21.86	23.00
	DFT-s-OFDM 16QAM	1	1	21.62	21.68	21.55	23.00
	DFT-s-OFDM 64QAM	1	1	20.10	20.26	20.15	21.50
	DFT-s-OFDM 256QAM	1	1	18.65	18.77	18.62	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 166800	Channel 167300	Channel 167800	Tune up
20MHz	CP-OFDM QPSK	1	1	21.12	21.29	21.21	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 166300	Channel 167300	Channel 168300	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.55	22.63	22.56	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 165800	Channel 167300	Channel 168800	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.48	22.63	22.54	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 165300	Channel 167300	Channel 169300	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	22.54	22.65	22.61	24.00

N7 Ant6 Head&Body Sensor on				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.77	20.90	20.73	22.00
		1	135	20.86	20.93	20.73	22.00
		1	268	20.81	20.88	20.67	22.00
		135	0	20.79	20.93	20.70	22.00
		135	67	20.86	20.83	20.68	22.00
		135	135	20.79	20.80	20.63	22.00
		270	0	20.82	20.92	20.69	22.00
	DFT-s-OFDM QPSK	1	1	20.96	21.04	20.77	22.00
		1	135	20.91	20.84	20.62	22.00
		1	268	20.89	20.81	20.67	22.00
		135	0	20.86	20.90	20.61	22.00
		135	67	20.91	20.94	20.77	22.00
		135	135	20.79	20.90	20.71	22.00
		270	0	20.84	20.86	20.61	22.00
	DFT-s-OFDM 16QAM	1	1	20.82	20.86	20.61	22.00
	DFT-s-OFDM 64QAM	1	1	19.94	20.02	19.86	21.50
	DFT-s-OFDM 256QAM	1	1	18.38	18.45	18.32	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
50MHz	CP-OFDM QPSK	1	1	19.45	19.59	19.23	20.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504000	507000	510000	
40MHz	DFT-s-OFDM QPSK	1	1	20.52	20.63	20.33	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503000	507000	511000	
30MHz	DFT-s-OFDM QPSK	1	1	20.53	20.61	20.33	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502500	507000	511500	
25MHz	DFT-s-OFDM QPSK	1	1	20.60	20.70	20.33	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502000	507000	512000	
20MHz	DFT-s-OFDM QPSK	1	1	20.62	20.64	20.38	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501500	507000	512500	
15MHz	DFT-s-OFDM QPSK	1	1	20.60	20.67	20.43	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501000	507000	513000	
10MHz	DFT-s-OFDM QPSK	1	1	20.54	20.71	20.36	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500500	507000	513500	
5MHz	DFT-s-OFDM QPSK	1	1	20.54	20.62	20.40	22.00

N7 Ant6 Body Sensor off				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.76	22.92	22.66	24.00
		1	135	22.79	22.87	22.66	24.00
		1	268	22.83	22.84	22.63	24.00
		135	0	22.47	22.53	22.21	23.50
		135	67	22.81	22.82	22.62	24.00
		135	135	22.40	22.51	22.19	23.50
		270	0	22.45	22.48	22.17	23.50
	DFT-s-OFDM QPSK	1	1	22.91	22.97	22.72	24.00
		1	135	22.79	22.87	22.58	24.00
		1	268	22.84	22.88	22.64	24.00
		135	0	21.91	22.03	21.75	23.00
		135	67	22.81	22.86	22.75	24.00
		135	135	21.95	21.97	21.72	23.00
		270	0	21.95	22.01	21.73	23.00
	DFT-s-OFDM 16QAM	1	1	21.52	21.58	21.53	23.00
	DFT-s-OFDM 64QAM	1	1	19.94	20.02	19.86	21.50
	DFT-s-OFDM 256QAM	1	1	18.38	18.45	18.32	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	



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50MHz	CP-OFDM QPSK	1	1	21.19	21.28	20.98	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 504000	Channel 507000	Channel 510000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.65	22.64	22.47	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 503000	Channel 507000	Channel 511000	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	22.67	22.71	22.47	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 502500	Channel 507000	Channel 511500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	22.64	22.72	22.37	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 502000	Channel 507000	Channel 512000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.63	22.67	22.38	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 501500	Channel 507000	Channel 512500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.66	22.72	22.47	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 501000	Channel 507000	Channel 513000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.61	22.66	22.46	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 500500	Channel 507000	Channel 513500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	22.67	22.66	22.41	24.00

N7 Ant6 Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505000	507000	509000	
				2525	2535	2545	
50MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.71	18.93	18.74	20.00
		1	135	18.86	18.89	18.69	20.00
		1	268	18.83	18.81	18.60	20.00
		135	0	18.78	18.90	18.66	20.00
		135	67	18.74	18.87	18.66	20.00
		135	135	18.82	18.90	18.74	20.00
		270	0	18.82	18.88	18.62	20.00
	DFT-s-OFDM QPSK	1	1	18.98	19.00	18.76	20.00
		1	135	18.72	18.94	18.61	20.00
		1	268	18.80	18.90	18.66	20.00
		135	0	18.72	18.89	18.61	20.00
		135	67	18.77	18.92	18.65	20.00
		135	135	18.86	18.84	18.63	20.00
		270	0	18.76	18.88	18.62	20.00
	DFT-s-OFDM 16QAM	1	1	18.85	18.90	18.59	20.00
	DFT-s-OFDM 64QAM	1	1	18.79	18.82	18.68	20.00
	DFT-s-OFDM 256QAM	1	1	18.38	18.45	18.32	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				505000	507000	509000	
50MHz	CP-OFDM QPSK	1	1	17.53	17.53	17.23	18.50
Bandwidth	Modulation	RB size	RB offset	Channel 504000	Channel 507000	Channel 510000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	18.55	18.65	18.32	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 503000	Channel 507000	Channel 511000	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	18.54	18.66	18.38	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 502500	Channel 507000	Channel 511500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	18.65	18.68	18.35	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 502000	Channel 507000	Channel 512000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	18.65	18.58	18.32	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 501500	Channel 507000	Channel 512500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	18.58	18.61	18.44	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 501000	Channel 507000	Channel 513000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	18.55	18.57	18.36	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 500500	Channel 507000	Channel 513500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	18.55	18.60	18.44	20.00

N12 Ant7 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				141300	141500	141700	
				706.5	707.5	708.5	
15MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.54	20.70	20.67	22.00
		1	40	20.63	20.69	20.56	22.00
		1	77	20.62	20.71	20.63	22.00
		36	0	20.60	20.66	20.69	22.00
		36	22	20.60	20.64	20.58	22.00
		36	43	20.57	20.63	20.57	22.00
		75	0	20.56	20.72	20.67	22.00
	DFT-s-OFDM QPSK	1	1	20.71	20.85	20.68	22.00
		1	40	20.58	20.64	20.60	22.00
		1	77	20.53	20.69	20.63	22.00
		36	0	20.52	20.64	20.62	22.00
		36	22	20.71	20.76	20.65	22.00
		36	43	20.56	20.66	20.63	22.00
		75	0	20.52	20.65	20.63	22.00
	DFT-s-OFDM 16QAM	1	1	20.56	20.63	20.62	22.00
	DFT-s-OFDM 64QAM	1	1	20.07	20.17	20.11	21.50
	DFT-s-OFDM 256QAM	1	1	17.59	17.72	17.58	19.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				141300	141500	141700	
15MHz	CP-OFDM QPSK	1	1	19.17	19.43	19.19	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				140800	141500	142200	
10MHz	DFT-s-OFDM QPSK	1	1	20.40	20.56	20.41	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				140300	141500	142700	
5MHz	DFT-s-OFDM QPSK	1	1	20.39	20.62	20.46	22.00

N12 Ant7 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				141300	141500	141700	
				706.5	707.5	708.5	
15MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.52	22.65	22.64	24.00
		1	40	22.55	22.68	22.56	24.00
		1	77	22.56	22.67	22.57	24.00
		36	0	22.17	22.29	22.14	23.50
		36	22	22.51	22.70	22.53	24.00
		36	43	22.13	22.26	22.25	23.50
		75	0	22.12	22.31	22.21	23.50
	DFT-s-OFDM QPSK	1	1	22.63	22.78	22.69	24.00
		1	40	22.49	22.63	22.62	24.00
		1	77	22.54	22.69	22.59	24.00
		36	0	21.59	21.83	21.71	23.00
		36	22	22.57	22.72	22.66	24.00
		36	43	21.58	21.73	21.69	23.00
		75	0	21.60	21.79	21.67	23.00
	DFT-s-OFDM 16QAM	1	1	21.45	21.59	21.52	23.00
	DFT-s-OFDM 64QAM	1	1	20.07	20.17	20.11	21.50
	DFT-s-OFDM 256QAM	1	1	17.59	17.72	17.58	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				141300	141500	141700	
15MHz	CP-OFDM QPSK	1	1	20.94	21.12	21.00	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				140800	141500	142200	
10MHz	DFT-s-OFDM QPSK	1	1	22.28	22.46	22.35	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				140300	141500	142700	
5MHz	DFT-s-OFDM QPSK	1	1	22.29	22.52	22.41	24.00



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N13 Ant7 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	156400	/	
				/	782	/	
10MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.81	/	22.00
		1	26	/	20.75	/	22.00
		1	50	/	20.78	/	22.00
		25	0	/	20.78	/	21.50
		25	14	/	20.79	/	22.00
		25	27	/	20.80	/	21.50
		50	0	/	20.81	/	21.50
	DFT-s-OFDM QPSK	1	1	/	20.89	/	22.00
		1	26	/	20.73	/	22.00
		1	50	/	20.80	/	22.00
		25	0	/	20.74	/	21.00
		25	14	/	20.84	/	22.00
		25	27	/	20.72	/	21.00
		50	0	/	20.80	/	21.00
	DFT-s-OFDM 16QAM	1	1	/	20.78	/	21.00
	DFT-s-OFDM 64QAM	1	1	/	20.18	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.73	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	156400	/	
10MHz	CP-OFDM QPSK	1	1	/	19.41	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				779.5	782	784.5	
5MHz	DFT-s-OFDM QPSK	1	1	20.59	20.65	20.65	22.00

N13 Ant7 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	156400	/	
				/	782	/	
10MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.79	/	24.00
		1	26	/	22.74	/	24.00
		1	50	/	22.81	/	24.00
		25	0	/	22.29	/	23.50
		25	14	/	22.80	/	24.00
		25	27	/	22.25	/	23.50
		50	0	/	22.24	/	23.50
	DFT-s-OFDM QPSK	1	1	/	22.89	/	24.00
		1	26	/	22.84	/	24.00
		1	50	/	22.77	/	24.00
		25	0	/	21.77	/	23.00
		25	14	/	22.81	/	24.00
		25	27	/	21.77	/	23.00
		50	0	/	21.76	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.53	/	23.00



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	DFT-s-OFDM 64QAM	1	1	/	20.18	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.73	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	156400	/	
10MHz	CP-OFDM QPSK	1	1	/	21.14	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				779.5	782	784.5	
5MHz	DFT-s-OFDM QPSK	1	1	22.45	22.49	22.52	24.00

N14 Ant7 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	158600	/	
				/	793	/	
10MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	20.73	/	22.00
		1	26	/	20.76	/	22.00
		1	50	/	20.81	/	22.00
		25	0	/	20.75	/	21.50
		25	14	/	20.77	/	22.00
		25	27	/	20.73	/	21.50
		50	0	/	20.72	/	21.50
	DFT-s-OFDM QPSK	1	1	/	20.96	/	22.00
		1	26	/	20.79	/	22.00
		1	50	/	20.80	/	22.00
		25	0	/	20.76	/	21.00
		25	14	/	20.88	/	22.00
		25	27	/	20.77	/	21.00
		50	0	/	20.74	/	21.00
	DFT-s-OFDM 16QAM	1	1	/	20.76	/	21.00
	DFT-s-OFDM 64QAM	1	1	/	20.21	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.73	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	158600	/	
10MHz	CP-OFDM QPSK	1	1	/	19.41	/	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				790.5	793	795.5	
5MHz	DFT-s-OFDM QPSK	1	1	20.63	20.72	20.65	22.00

N14 Ant7 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	158600	/	
				/	793	/	
10MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	22.75	/	24.00
		1	26	/	22.77	/	24.00
		1	50	/	22.76	/	24.00
		25	0	/	22.30	/	23.50



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		25	14	/	22.75	/	24.00
		25	27	/	22.27	/	23.50
		50	0	/	22.33	/	23.50
	DFT-s-OFDM QPSK	1	1	/	22.89	/	24.00
		1	26	/	22.81	/	24.00
		1	50	/	22.82	/	24.00
		25	0	/	21.78	/	23.00
		25	14	/	22.79	/	24.00
		25	27	/	21.78	/	23.00
		50	0	/	21.80	/	23.00
	DFT-s-OFDM 16QAM	1	1	/	21.65	/	23.00
	DFT-s-OFDM 64QAM	1	1	/	20.21	/	21.50
	DFT-s-OFDM 256QAM	1	1	/	18.73	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	158600	/	
10MHz	CP-OFDM QPSK	1	1	/	21.12	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				790.5	793	795.5	
5MHz	DFT-s-OFDM QPSK	1	1	22.45	22.53	22.50	24.00

N25 Ant6 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376500	379000	
				1870	1882.5	1895	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.58	20.67	20.59	22.00
		1	108	20.66	20.75	20.56	22.00
		1	214	20.64	20.65	20.58	22.00
		108	0	20.68	20.63	20.60	22.00
		108	54	20.63	20.70	20.58	22.00
		108	108	20.63	20.70	20.52	22.00
		216	0	20.66	20.69	20.59	22.00
	DFT-s-OFDM QPSK	1	1	20.76	20.82	20.66	22.00
		1	108	20.58	20.61	20.51	22.00
		1	214	20.70	20.68	20.56	22.00
		108	0	20.62	20.68	20.59	22.00
		108	54	20.63	20.73	20.60	22.00
		108	108	20.65	20.63	20.52	22.00
		216	0	20.61	20.65	20.51	22.00
	DFT-s-OFDM 16QAM	1	1	20.57	20.67	20.60	22.00
	DFT-s-OFDM 64QAM	1	1	19.90	20.00	19.84	21.50
	DFT-s-OFDM 256QAM	1	1	18.24	18.40	18.29	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376500	379000	
40MHz	CP-OFDM QPSK	1	1	19.30	19.32	19.20	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373000	376500	380000	



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30MHz	DFT-s-OFDM QPSK	1	1	20.43	20.49	20.37	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 372500	Channel 376500	Channel 380500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	20.53	20.58	20.38	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 372000	Channel 376500	Channel 381000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	20.49	20.52	20.37	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 371500	Channel 376500	Channel 381500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	20.53	20.53	20.31	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 371000	Channel 376500	Channel 382000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	20.50	20.59	20.38	22.00
Bandwidth	Modulation	RB size	RB offset	Channel 370500	Channel 376500	Channel 382500	Tune up
5MHz	DFT-s-OFDM QPSK	1	1	20.47	20.59	20.39	22.00

N25 Ant6 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376500	379000	
				1870	1882.5	1895	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.63	22.64	22.55	24.00
		1	108	22.63	22.69	22.54	24.00
		1	214	22.61	22.66	22.55	24.00
		108	0	22.21	22.27	22.19	23.50
		108	54	22.64	22.63	22.56	24.00
		108	108	22.28	22.29	22.23	23.50
		216	0	22.19	22.30	22.17	23.50
	DFT-s-OFDM QPSK	1	1	22.72	22.77	22.68	24.00
		1	108	22.61	22.61	22.60	24.00
		1	214	22.61	22.62	22.54	24.00
		108	0	21.68	21.76	21.67	23.00
		108	54	22.56	22.72	22.63	24.00
		108	108	21.68	21.79	21.69	23.00
		216	0	21.76	21.76	21.65	23.00
	DFT-s-OFDM 16QAM	1	1	21.51	21.57	21.43	23.00
	DFT-s-OFDM 64QAM	1	1	19.90	20.00	19.84	21.50
	DFT-s-OFDM 256QAM	1	1	18.24	18.40	18.29	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				374000	376500	379000	
40MHz	CP-OFDM QPSK	1	1	20.98	21.12	20.94	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				373000	376500	380000	
30MHz	DFT-s-OFDM QPSK	1	1	22.41	22.46	22.39	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				372500	376500	380500	
25MHz	DFT-s-OFDM QPSK	1	1	22.43	22.44	22.35	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				372000	376500	381000	
20MHz	DFT-s-OFDM QPSK	1	1	22.42	22.45	22.38	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371500	376500	381500	
15MHz	DFT-s-OFDM QPSK	1	1	22.46	22.45	22.37	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				371000	376500	382000	
10MHz	DFT-s-OFDM QPSK	1	1	22.38	22.49	22.34	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				370500	376500	382500	
5MHz	DFT-s-OFDM QPSK	1	1	22.46	22.52	22.38	24.00

N26 Ant7 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
				824	831.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.74	20.90	20.85	22.00
		1	53	20.80	20.81	20.82	22.00
		1	104	20.84	20.88	20.77	22.00
		50	0	20.87	20.88	20.78	22.00
		50	28	20.84	20.84	20.87	22.00
		50	56	20.82	20.85	20.85	22.00
		100	0	20.73	20.83	20.85	22.00
	DFT-s-OFDM QPSK	1	1	20.83	21.06	20.95	22.00
		1	53	20.84	20.84	20.89	22.00
		1	104	20.81	20.84	20.81	22.00
		50	0	20.81	20.81	20.82	22.00
		50	28	20.88	20.99	20.98	22.00
		50	56	20.75	20.85	20.92	22.00
		100	0	20.88	20.91	20.90	22.00
	DFT-s-OFDM 16QAM	1	1	20.78	20.91	20.76	22.00
	DFT-s-OFDM 64QAM	1	1	20.14	20.28	20.18	21.50
	DFT-s-OFDM 256QAM	1	1	18.78	18.85	18.75	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
20MHz	CP-OFDM QPSK	1	1	19.28	19.51	19.51	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	20.57	20.77	20.68	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	20.49	20.80	20.61	22.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	20.60	20.78	20.65	22.00

N26 Ant7 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
				824	831.5	839	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.77	22.86	22.87	24.00
		1	53	22.81	22.85	22.85	24.00
		1	104	22.82	22.88	22.81	24.00
		50	0	22.41	22.44	22.49	23.50
		50	28	22.74	22.91	22.77	24.00
		50	56	22.44	22.54	22.47	23.50
		100	0	22.43	22.49	22.46	23.50
	DFT-s-OFDM QPSK	1	1	22.88	22.99	22.93	24.00
		1	53	22.81	22.90	22.81	24.00
		1	104	22.77	22.87	22.79	24.00
		50	0	21.93	21.95	21.93	23.00
		50	28	22.72	22.92	22.78	24.00
		50	56	21.88	22.03	21.92	23.00
		100	0	21.83	21.95	21.93	23.00
	DFT-s-OFDM 16QAM	1	1	21.58	21.73	21.60	23.00
	DFT-s-OFDM 64QAM	1	1	20.14	20.28	20.18	21.50
	DFT-s-OFDM 256QAM	1	1	18.78	18.85	18.75	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164800	166300	167800	
20MHz	CP-OFDM QPSK	1	1	21.24	21.27	21.22	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				164300	166300	168300	
15MHz	DFT-s-OFDM QPSK	1	1	22.54	22.66	22.68	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163800	166300	168800	
10MHz	DFT-s-OFDM QPSK	1	1	22.64	22.69	22.65	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				163300	166300	169300	
5MHz	DFT-s-OFDM QPSK	1	1	22.54	22.73	22.66	24.00

N38 Ant6 Head&Body Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	21.59	21.79	21.73	23.00
		1	53	21.65	21.80	21.70	23.00
		1	104	21.63	21.77	21.66	23.00
		50	0	21.57	21.74	21.63	23.00



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		50	28	21.59	21.80	21.71	23.00
		50	56	21.58	21.81	21.69	23.00
		100	0	21.64	21.82	21.68	23.00
	DFT-s-OFDM QPSK	1	1	21.72	21.92	21.76	23.00
		1	53	21.56	21.78	21.72	23.00
		1	104	21.61	21.81	21.75	23.00
		50	0	21.72	21.81	21.75	23.00
		50	28	21.71	21.83	21.73	23.00
		50	56	21.76	21.81	21.73	23.00
		100	0	21.67	21.80	21.76	23.00
	DFT-s-OFDM 16QAM	1	1	21.51	21.57	21.45	23.00
	DFT-s-OFDM 64QAM	1	1	20.00	20.15	20.03	21.50
	DFT-s-OFDM 256QAM	1	1	18.56	18.61	18.53	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 518000	Channel 519000	Channel 520000	Tune up
40MHz	CP-OFDM QPSK	1	1	20.24	20.45	20.33	21.50

Bandwidth	Modulation	RB size	RB offset	Channel 517000	Channel 519000	Channel 521000	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.29	21.51	21.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 516500	Channel 519000	Channel 521500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	21.31	21.50	21.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 516000	Channel 519000	Channel 522000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.35	21.57	21.38	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 515500	Channel 519000	Channel 522500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	21.29	21.50	21.42	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 515000	Channel 519000	Channel 523000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	21.35	21.57	21.36	23.00

N38 Ant6 Head For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.57	19.81	19.69	21.00
		1	53	19.62	19.76	19.74	21.00
		1	104	19.66	19.75	19.63	21.00
		50	0	19.56	19.72	19.61	21.00
		50	28	19.62	19.82	19.70	21.00
		50	56	19.63	19.84	19.67	21.00
		100	0	19.64	19.79	19.66	21.00
	DFT-s-OFDM QPSK	1	1	19.68	19.93	19.73	21.00
		1	53	19.54	19.80	19.71	21.00
		1	104	19.63	19.78	19.77	21.00
		50	0	19.70	19.77	19.80	21.00



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		50	28	19.72	19.88	19.78	21.00
		50	56	19.76	19.84	19.69	21.00
		100	0	19.71	19.79	19.80	21.00
	DFT-s-OFDM 16QAM	1	1	19.56	19.53	19.44	21.00
	DFT-s-OFDM 64QAM	1	1	19.69	19.75	19.75	21.00
	DFT-s-OFDM 256QAM	1	1	18.56	18.61	18.53	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	18.20	18.40	18.22	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	19.40	19.61	19.48	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516500	519000	521500	
25MHz	DFT-s-OFDM QPSK	1	1	19.40	19.61	19.44	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	19.33	19.59	19.44	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	19.38	19.67	19.41	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	19.38	19.58	19.39	21.00

N38 Ant6 Body Sensor off&Body For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.60	22.78	22.65	24.00
		1	53	22.59	22.78	22.67	24.00
		1	104	22.59	22.78	22.67	24.00
		50	0	22.16	22.37	22.32	23.50
		50	28	22.57	22.79	22.71	24.00
		50	56	22.21	22.39	22.29	23.50
		100	0	22.23	22.34	22.22	23.50
	DFT-s-OFDM QPSK	1	1	22.71	22.89	22.77	24.00
		1	53	22.61	22.80	22.65	24.00
		1	104	22.58	22.80	22.62	24.00
		50	0	21.72	21.88	21.75	23.00
		50	28	22.67	22.83	22.74	24.00
		50	56	21.76	21.89	21.73	23.00
		100	0	21.67	21.88	21.76	23.00
	DFT-s-OFDM 16QAM	1	1	21.51	21.57	21.45	23.00
	DFT-s-OFDM 64QAM	1	1	20.00	20.15	20.03	21.50



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	DFT-s-OFDM 256QAM	1	1	18.56	18.61	18.53	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 518000	Channel 519000	Channel 520000	Tune up
40MHz	CP-OFDM QPSK	1	1	21.05	21.23	21.02	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 517000	Channel 519000	Channel 521000	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	22.41	22.62	22.53	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 516500	Channel 519000	Channel 521500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	22.42	22.59	22.43	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 516000	Channel 519000	Channel 522000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.45	22.63	22.53	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 515500	Channel 519000	Channel 522500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.39	22.55	22.43	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 515000	Channel 519000	Channel 523000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.39	22.58	22.45	24.00

N38 Ant6 Hotspot				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.61	18.79	18.71	20.00
		1	53	18.63	18.78	18.70	20.00
		1	104	18.56	18.74	18.70	20.00
		50	0	18.56	18.74	18.70	20.00
		50	28	18.59	18.75	18.71	20.00
		50	56	18.64	18.80	18.69	20.00
		100	0	18.55	18.80	18.69	20.00
	DFT-s-OFDM QPSK	1	1	18.76	18.88	18.73	20.00
		1	53	18.66	18.74	18.74	20.00
		1	104	18.59	18.83	18.63	20.00
		50	0	18.64	18.74	18.65	20.00
		50	28	18.67	18.84	18.77	20.00
		50	56	18.65	18.83	18.68	20.00
		100	0	18.60	18.79	18.72	20.00
	DFT-s-OFDM 16QAM	1	1	18.55	18.76	18.63	20.00
	DFT-s-OFDM 64QAM	1	1	18.67	18.76	18.64	20.00
	DFT-s-OFDM 256QAM	1	1	18.56	18.61	18.53	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	17.28	17.37	17.19	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	18.37	18.47	18.34	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516500	519000	521500	
25MHz	DFT-s-OFDM QPSK	1	1	18.33	18.52	18.35	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516000	519000	522000	
20MHz	DFT-s-OFDM QPSK	1	1	18.37	18.49	18.32	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515500	519000	522500	
15MHz	DFT-s-OFDM QPSK	1	1	18.42	18.53	18.30	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				515000	519000	523000	
10MHz	DFT-s-OFDM QPSK	1	1	18.42	18.54	18.36	20.00

N38 Ant6 Hotspot For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
				2590	2595	2600	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.61	16.79	16.73	18.00
		1	53	16.66	16.76	16.68	18.00
		1	104	16.52	16.73	16.69	18.00
		50	0	16.55	16.71	16.75	18.00
		50	28	16.61	16.74	16.71	18.00
		50	56	16.69	16.79	16.72	18.00
		100	0	16.59	16.75	16.70	18.00
	DFT-s-OFDM QPSK	1	1	16.78	16.91	16.78	18.00
		1	53	16.70	16.75	16.76	18.00
		1	104	16.58	16.79	16.59	18.00
		50	0	16.65	16.70	16.66	18.00
		50	28	16.68	16.80	16.79	18.00
		50	56	16.68	16.78	16.73	18.00
		100	0	16.63	16.76	16.72	18.00
	DFT-s-OFDM 16QAM	1	1	16.56	16.76	16.61	18.00
	DFT-s-OFDM 64QAM	1	1	16.67	16.72	16.64	18.00
	DFT-s-OFDM 256QAM	1	1	16.61	16.62	16.56	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				518000	519000	520000	
40MHz	CP-OFDM QPSK	1	1	15.12	15.27	15.19	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				517000	519000	521000	
30MHz	DFT-s-OFDM QPSK	1	1	16.31	16.53	16.42	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				516500	519000	521500	
25MHz	DFT-s-OFDM QPSK	1	1	16.30	16.45	16.40	18.00



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Bandwidth	Modulation	RB size	RB offset	Channel 516000	Channel 519000	Channel 522000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.29	16.52	16.47	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 515500	Channel 519000	Channel 522500	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.36	16.53	16.48	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 515000	Channel 519000	Channel 523000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.34	16.51	16.49	18.00

N41 Ant6 Head&Body Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
				2546.01	2592.99	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.32	22.32	22.25	23.00
		1	137	22.32	22.34	22.16	23.00
		1	271	22.39	22.32	22.21	23.00
		135	0	22.26	22.36	22.20	23.00
		135	69	22.31	22.32	22.14	23.00
		135	138	22.27	22.39	22.28	23.00
		270	0	22.23	22.35	22.20	23.00
	DFT-s-OFDM QPSK	1	1	22.36	22.49	22.33	23.00
		1	137	22.35	22.31	22.17	23.00
		1	271	22.36	22.34	22.23	23.00
		135	0	22.20	22.35	22.25	23.00
		135	69	22.36	22.43	22.36	23.00
		135	138	22.24	22.28	22.20	23.00
		270	0	22.35	22.38	22.31	23.00
	DFT-s-OFDM 16QAM	1	1	22.32	22.40	22.24	23.00
	DFT-s-OFDM 64QAM	1	1	22.30	22.28	22.19	23.00
	DFT-s-OFDM 256QAM	1	1	22.33	22.35	22.17	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	CP-OFDM QPSK	1	1	20.89	20.99	20.79	21.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				508200	518598	528996	
90MHz	DFT-s-OFDM QPSK	1	1	21.92	22.11	21.90	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				507204	518598	529998	
80MHz	DFT-s-OFDM QPSK	1	1	22.00	22.13	21.88	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				506202	518598	531000	
70MHz	DFT-s-OFDM QPSK	1	1	22.00	22.12	22.01	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	



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60MHz	DFT-s-OFDM QPSK	1	1	21.99	22.09	21.96	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 518598	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	21.97	22.13	21.90	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 518598	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	21.97	22.07	21.95	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 518598	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	21.95	22.04	21.89	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 501702	Channel 518598	Channel 535500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	21.97	22.13	21.99	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 518598	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	21.93	22.17	21.91	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 500700	Channel 518598	Channel 536496	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	21.98	22.15	21.96	23.00
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 518598	Channel 537000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	21.95	22.07	21.98	23.00

N41 Ant6 Head For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
				2546.01	2592.99	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.29	20.28	20.27	21.00
		1	137	20.37	20.36	20.12	21.00
		1	271	20.40	20.31	20.24	21.00
		135	0	20.28	20.36	20.20	21.00
		135	69	20.32	20.35	20.11	21.00
		135	138	20.25	20.36	20.30	21.00
		270	0	20.18	20.37	20.17	21.00
	DFT-s-OFDM QPSK	1	1	20.34	20.54	20.33	21.00
		1	137	20.39	20.33	20.20	21.00
		1	271	20.36	20.31	20.25	21.00
		135	0	20.20	20.39	20.25	21.00
		135	69	20.31	20.46	20.35	21.00
		135	138	20.28	20.33	20.22	21.00
		270	0	20.34	20.35	20.35	21.00
	DFT-s-OFDM 16QAM	1	1	20.28	20.40	20.26	21.00
	DFT-s-OFDM 64QAM	1	1	20.26	20.33	20.22	21.00
	DFT-s-OFDM 256QAM	1	1	20.33	20.34	20.12	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				509202	518598	528000	
100MHz	CP-OFDM QPSK	1	1	18.78	18.80	18.72	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				508200	518598	528996	
90MHz	DFT-s-OFDM QPSK	1	1	20.07	20.14	20.07	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				507204	518598	529998	
80MHz	DFT-s-OFDM QPSK	1	1	20.13	20.07	20.05	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				506202	518598	531000	
70MHz	DFT-s-OFDM QPSK	1	1	20.05	20.10	20.04	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	20.06	20.09	20.11	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	20.05	20.09	20.03	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				503202	518598	534000	
40MHz	DFT-s-OFDM QPSK	1	1	20.06	20.09	20.12	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				502200	518598	534996	
30MHz	DFT-s-OFDM QPSK	1	1	20.13	20.14	20.10	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501702	518598	535500	
25MHz	DFT-s-OFDM QPSK	1	1	20.06	20.10	20.12	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				501204	518598	535998	
20MHz	DFT-s-OFDM QPSK	1	1	20.07	20.12	20.06	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500700	518598	536496	
15MHz	DFT-s-OFDM QPSK	1	1	20.05	20.09	20.11	21.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				500202	518598	537000	
10MHz	DFT-s-OFDM QPSK	1	1	20.06	20.04	20.03	21.00

N41 Ant6 Body Sensor off				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
				2546.01	2592.99	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	26.32	26.34	26.20	27.00
		1	137	26.25	26.32	26.18	27.00
		1	271	26.29	26.36	26.15	27.00
		135	0	25.84	25.98	25.87	26.50



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		135	69	26.22	26.28	26.25	27.00
		135	138	25.88	25.90	25.86	26.50
		270	0	25.88	25.95	25.85	26.50
	DFT-s-OFDM QPSK	1	1	26.38	26.43	26.31	27.00
		1	137	26.23	26.29	26.25	27.00
		1	271	26.32	26.29	26.23	27.00
		135	0	25.43	25.44	25.35	26.00
		135	69	26.27	26.37	26.31	27.00
		135	138	25.42	25.43	25.31	26.00
		270	0	25.36	25.44	25.32	26.00
	DFT-s-OFDM 16QAM	1	1	24.88	25.00	24.85	26.00
	DFT-s-OFDM 64QAM	1	1	23.47	23.58	23.44	24.50
	DFT-s-OFDM 256QAM	1	1	22.08	22.19	22.12	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 518598	Channel 528000	Tune up
100MHz	CP-OFDM QPSK	1	1	24.59	24.67	24.59	25.50
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 518598	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	26.08	26.16	26.16	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 518598	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	26.13	26.25	26.08	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 506202	Channel 518598	Channel 531000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	26.14	26.22	26.09	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 518598	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	26.02	26.25	26.10	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 518598	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	26.12	26.16	26.17	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 518598	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	26.02	26.14	26.17	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 518598	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	26.09	26.15	26.10	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 501702	Channel 518598	Channel 535500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	26.04	26.17	26.09	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 518598	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	26.08	26.21	26.17	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				500700	518598	536496	
15MHz	DFT-s-OFDM QPSK	1	1	26.04	26.20	26.15	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 518598	Channel 537000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	26.05	26.24	26.07	27.00

N41 Ant6 Body For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
				2546.01	2592.99	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.76	23.80	23.68	24.50
		1	137	23.75	23.76	23.59	24.50
		1	271	23.80	23.80	23.64	24.50
		135	0	23.72	23.79	23.65	24.50
		135	69	23.73	23.76	23.55	24.50
		135	138	23.75	23.84	23.76	24.50
		270	0	23.68	23.85	23.70	24.50
	DFT-s-OFDM QPSK	1	1	23.83	23.95	23.73	24.50
		1	137	23.78	23.80	23.62	24.50
		1	271	23.78	23.78	23.66	24.50
		135	0	23.64	23.79	23.69	24.50
		135	69	23.82	23.87	23.82	24.50
		135	138	23.69	23.71	23.62	24.50
		270	0	23.75	23.78	23.75	24.50
	DFT-s-OFDM 16QAM	1	1	23.72	23.83	23.71	24.50
	DFT-s-OFDM 64QAM	1	1	23.47	23.58	23.44	24.50
	DFT-s-OFDM 256QAM	1	1	22.08	22.19	22.12	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	CP-OFDM QPSK	1	1	22.30	22.28	22.14	23.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				508200	518598	528996	
90MHz	DFT-s-OFDM QPSK	1	1	23.52	23.53	23.39	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				507204	518598	529998	
80MHz	DFT-s-OFDM QPSK	1	1	23.60	23.60	23.34	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				506202	518598	531000	
70MHz	DFT-s-OFDM QPSK	1	1	23.54	23.53	23.35	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				505200	518598	531996	
60MHz	DFT-s-OFDM QPSK	1	1	23.55	23.53	23.40	24.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				504204	518598	532998	
50MHz	DFT-s-OFDM QPSK	1	1	23.53	23.54	23.38	24.50



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Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 518598	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	23.55	23.58	23.32	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 518598	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	23.60	23.51	23.40	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 501702	Channel 518598	Channel 535500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	23.55	23.52	23.40	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 518598	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	23.52	23.60	23.34	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 500700	Channel 518598	Channel 536496	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.59	23.58	23.35	24.50
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 518598	Channel 537000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.53	23.52	23.37	24.50

N41 Ant6 Hotspot				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
				2546.01	2592.99	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	19.29	19.33	19.23	20.00
		1	137	19.26	19.32	19.14	20.00
		1	271	19.28	19.34	19.20	20.00
		135	0	19.30	19.35	19.19	20.00
		135	69	19.29	19.29	19.24	20.00
		135	138	19.32	19.35	19.19	20.00
		270	0	19.33	19.36	19.20	20.00
	DFT-s-OFDM QPSK	1	1	19.42	19.50	19.27	20.00
		1	137	19.24	19.42	19.21	20.00
		1	271	19.27	19.36	19.23	20.00
		135	0	19.32	19.28	19.23	20.00
		135	69	19.41	19.43	19.35	20.00
		135	138	19.33	19.29	19.15	20.00
		270	0	19.21	19.28	19.18	20.00
	DFT-s-OFDM 16QAM	1	1	19.38	19.39	19.26	20.00
	DFT-s-OFDM 64QAM	1	1	19.22	19.27	19.19	20.00
	DFT-s-OFDM 256QAM	1	1	19.27	19.35	19.12	20.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
100MHz	CP-OFDM QPSK	1	1	17.89	18.02	17.73	18.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				508200	518598	528996	



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90MHz	DFT-s-OFDM QPSK	1	1	19.03	19.10	18.89	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 518598	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	19.00	19.05	18.92	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 506202	Channel 518598	Channel 531000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	19.06	19.08	18.82	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 518598	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	19.07	19.12	18.87	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 518598	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	19.06	19.09	18.86	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 518598	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	19.03	19.10	18.83	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 518598	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	18.99	19.06	18.89	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 501702	Channel 518598	Channel 535500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	19.09	19.15	18.92	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 518598	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	19.04	19.11	18.89	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 500700	Channel 518598	Channel 536496	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	19.05	19.13	18.91	20.00
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 518598	Channel 537000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	19.01	19.15	18.93	20.00

N41 Ant6 Hotspot For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				509202	518598	528000	
				2546.01	2592.99	2640	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.27	17.33	17.18	18.00
		1	137	17.28	17.30	17.11	18.00
		1	271	17.31	17.32	17.16	18.00
		135	0	17.33	17.32	17.14	18.00
		135	69	17.24	17.26	17.29	18.00
		135	138	17.31	17.40	17.19	18.00
		270	0	17.30	17.32	17.23	18.00
	DFT-s-OFDM QPSK	1	1	17.45	17.46	17.23	18.00
		1	137	17.23	17.39	17.22	18.00



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		1	271	17.30	17.36	17.26	18.00
		135	0	17.36	17.30	17.25	18.00
		135	69	17.38	17.44	17.39	18.00
		135	138	17.35	17.31	17.14	18.00
		270	0	17.26	17.25	17.17	18.00
	DFT-s-OFDM 16QAM	1	1	17.34	17.36	17.24	18.00
	DFT-s-OFDM 64QAM	1	1	17.19	17.31	17.16	18.00
	DFT-s-OFDM 256QAM	1	1	17.30	17.40	17.08	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 509202	Channel 518598	Channel 528000	Tune up
100MHz	CP-OFDM QPSK	1	1	15.83	15.93	15.68	16.50
Bandwidth	Modulation	RB size	RB offset	Channel 508200	Channel 518598	Channel 528996	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	17.02	17.07	16.94	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 507204	Channel 518598	Channel 529998	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	16.97	17.06	16.94	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 506202	Channel 518598	Channel 531000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	17.01	17.10	16.91	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 505200	Channel 518598	Channel 531996	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	17.00	17.07	16.93	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 504204	Channel 518598	Channel 532998	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	17.05	17.11	16.94	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 503202	Channel 518598	Channel 534000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	17.04	17.09	16.93	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 502200	Channel 518598	Channel 534996	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	16.99	17.09	16.93	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 501702	Channel 518598	Channel 535500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	17.00	17.02	16.89	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 501204	Channel 518598	Channel 535998	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	17.00	17.03	16.89	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 500700	Channel 518598	Channel 536496	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	17.02	17.10	16.95	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 500202	Channel 518598	Channel 537000	Tune up



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10MHz	DFT-s-OFDM QPSK	1	1	16.99	17.10	16.88	18.00
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N48 Ant0 Head Standalone				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	
				3600	3624.99	3649.98	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.32	16.44	16.37	18.00
		1	137	16.25	16.40	16.39	18.00
		1	271	16.28	16.47	16.35	18.00
		135	0	16.21	16.41	16.28	18.00
		135	69	16.24	16.46	16.38	18.00
		135	138	16.29	16.41	16.45	18.00
		270	0	16.30	16.46	16.28	18.00
	DFT-s-OFDM QPSK	1	1	16.40	16.57	16.45	18.00
		1	137	16.22	16.43	16.41	18.00
		1	271	16.30	16.49	16.27	18.00
		135	0	16.32	16.45	16.36	18.00
		135	69	16.38	16.48	16.42	18.00
		135	138	16.30	16.44	16.34	18.00
		270	0	16.34	16.47	16.39	18.00
	DFT-s-OFDM 16QAM	1	1	16.29	16.45	16.32	18.00
	DFT-s-OFDM 64QAM	1	1	16.29	16.40	16.34	18.00
	DFT-s-OFDM 256QAM	1	1	16.22	16.38	16.36	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	
100MHz	CP-OFDM QPSK	1	1	14.94	15.02	14.92	16.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639668	641666	643666	
90MHz	DFT-s-OFDM QPSK	1	1	16.04	16.23	16.06	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639334	641666	644000	
80MHz	DFT-s-OFDM QPSK	1	1	16.07	16.14	16.09	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639000	641666	644332	
70MHz	DFT-s-OFDM QPSK	1	1	16.19	16.25	16.03	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638668	641666	644666	
60MHz	DFT-s-OFDM QPSK	1	1	16.14	16.23	16.01	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638334	641666	645000	
50MHz	DFT-s-OFDM QPSK	1	1	16.03	16.21	16.08	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	DFT-s-OFDM QPSK	1	1	16.04	16.17	16.10	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				637668	641666	645666	
30MHz	DFT-s-OFDM QPSK	1	1	16.19	16.23	16.08	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 637334	Channel 641666	Channel 646000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.04	16.20	16.08	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 637168	Channel 641666	Channel 646166	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.07	16.24	16.04	18.00
Bandwidth	Modulation	RB size	RB offset	Channel 637000	Channel 641666	Channel 646332	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.00	16.19	16.08	18.00

N48 Ant0 Head Simultaneous				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	
				3600	3624.99	3649.98	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	13.78	13.90	13.83	15.50
		1	137	13.71	13.88	13.86	15.50
		1	271	13.82	13.95	13.83	15.50
		135	0	13.66	13.93	13.78	15.50
		135	69	13.76	13.99	13.84	15.50
		135	138	13.83	13.92	13.99	15.50
		270	0	13.83	13.98	13.74	15.50
	DFT-s-OFDM QPSK	1	1	13.88	14.07	13.94	15.50
		1	137	13.68	13.98	13.93	15.50
		1	271	13.78	14.04	13.77	15.50
		135	0	13.80	13.93	13.87	15.50
		135	69	13.89	14.00	13.96	15.50
		135	138	13.76	13.95	13.85	15.50
		270	0	13.89	13.99	13.93	15.50
	DFT-s-OFDM 16QAM	1	1	13.77	13.91	13.83	15.50
	DFT-s-OFDM 64QAM	1	1	13.81	13.91	13.84	15.50
	DFT-s-OFDM 256QAM	1	1	13.73	13.91	13.87	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	
100MHz	CP-OFDM QPSK	1	1	12.31	12.40	12.28	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639668	641666	643666	
90MHz	DFT-s-OFDM QPSK	1	1	13.57	13.77	13.68	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639334	641666	644000	
80MHz	DFT-s-OFDM QPSK	1	1	13.58	13.78	13.69	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639000	641666	644332	
70MHz	DFT-s-OFDM QPSK	1	1	13.63	13.79	13.69	15.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638668	641666	644666	
60MHz	DFT-s-OFDM QPSK	1	1	13.57	13.80	13.62	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638334	641666	645000	
50MHz	DFT-s-OFDM QPSK	1	1	13.59	13.81	13.61	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	DFT-s-OFDM QPSK	1	1	13.58	13.82	13.69	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637668	641666	645666	
30MHz	DFT-s-OFDM QPSK	1	1	13.61	13.81	13.61	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637334	641666	646000	
20MHz	DFT-s-OFDM QPSK	1	1	13.60	13.77	13.61	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637168	641666	646166	
15MHz	DFT-s-OFDM QPSK	1	1	13.56	13.80	13.62	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637000	641666	646332	
10MHz	DFT-s-OFDM QPSK	1	1	13.57	13.74	13.65	15.50

N48 Ant0 Body Sensor off				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	
				3600	3624.99	3649.98	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.24	22.41	22.30	24.00
		1	137	22.28	22.41	22.34	24.00
		1	271	22.24	22.40	22.38	24.00
		135	0	21.85	21.99	21.95	23.50
		135	69	22.33	22.39	22.34	24.00
		135	138	21.93	22.03	21.97	23.50
		270	0	21.93	22.05	21.96	23.50
	DFT-s-OFDM QPSK	1	1	22.39	22.52	22.46	24.00
		1	137	22.25	22.41	22.33	24.00
		1	271	22.24	22.39	22.33	24.00
		135	0	21.34	21.51	21.41	23.00
		135	69	22.30	22.44	22.41	24.00
		135	138	21.44	21.51	21.50	23.00
		270	0	21.45	21.50	21.52	23.00
	DFT-s-OFDM 16QAM	1	1	21.13	21.26	21.13	23.00
	DFT-s-OFDM 64QAM	1	1	19.74	19.85	19.77	21.50
	DFT-s-OFDM 256QAM	1	1	18.30	18.36	18.28	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	



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100MHz	CP-OFDM QPSK	1	1	20.69	20.84	20.71	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 639668	Channel 641666	Channel 643666	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	22.07	22.26	22.21	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 639334	Channel 641666	Channel 644000	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	22.13	22.26	22.20	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 639000	Channel 641666	Channel 644332	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	22.06	22.22	22.17	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 638668	Channel 641666	Channel 644666	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	22.04	22.18	22.20	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 638334	Channel 641666	Channel 645000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	22.12	22.24	22.20	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 638000	Channel 641666	Channel 645332	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	22.10	22.19	22.15	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 637668	Channel 641666	Channel 645666	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	22.08	22.17	22.14	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 637334	Channel 641666	Channel 646000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	22.08	22.23	22.15	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 637168	Channel 641666	Channel 646166	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	22.10	22.22	22.14	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 637000	Channel 641666	Channel 646332	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	22.14	22.23	22.12	24.00

N48 Ant0 Hotspot&Body Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	
				3600	3624.99	3649.98	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	17.71	17.91	17.77	19.50
		1	137	17.81	17.96	17.84	19.50
		1	271	17.75	17.95	17.87	19.50
		135	0	17.72	17.91	17.81	19.50
		135	69	17.85	17.95	17.88	19.50
		135	138	17.69	17.91	17.84	19.50
	DFT-s-OFDM QPSK	270	0	17.78	17.95	17.84	19.50
		1	1	17.89	18.02	17.98	19.50
		1	137	17.76	17.87	17.92	19.50



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		1	271	17.70	17.92	17.87	19.50
		135	0	17.76	17.87	17.94	19.50
		135	69	17.95	18.00	17.99	19.50
		135	138	17.82	17.87	17.89	19.50
		270	0	17.77	17.92	17.84	19.50
	DFT-s-OFDM 16QAM	1	1	17.77	17.88	17.92	19.50
	DFT-s-OFDM 64QAM	1	1	17.76	17.93	17.91	19.50
	DFT-s-OFDM 256QAM	1	1	17.78	17.92	17.89	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				640000	641666	643332	
100MHz	CP-OFDM QPSK	1	1	16.44	16.60	16.51	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639668	641666	643666	
90MHz	DFT-s-OFDM QPSK	1	1	17.54	17.68	17.59	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639334	641666	644000	
80MHz	DFT-s-OFDM QPSK	1	1	17.55	17.61	17.60	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				639000	641666	644332	
70MHz	DFT-s-OFDM QPSK	1	1	17.52	17.61	17.58	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638668	641666	644666	
60MHz	DFT-s-OFDM QPSK	1	1	17.56	17.61	17.57	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638334	641666	645000	
50MHz	DFT-s-OFDM QPSK	1	1	17.57	17.69	17.53	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				638000	641666	645332	
40MHz	DFT-s-OFDM QPSK	1	1	17.52	17.58	17.58	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637668	641666	645666	
30MHz	DFT-s-OFDM QPSK	1	1	17.50	17.61	17.66	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637334	641666	646000	
20MHz	DFT-s-OFDM QPSK	1	1	17.51	17.58	17.58	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637168	641666	646166	
15MHz	DFT-s-OFDM QPSK	1	1	17.52	17.65	17.60	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				637000	641666	646332	
10MHz	DFT-s-OFDM QPSK	1	1	17.54	17.66	17.55	19.50



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N66 Ant6 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.52	20.62	20.59	22.00
		1	108	20.60	20.66	20.56	22.00
		1	214	20.49	20.68	20.57	22.00
		108	0	20.47	20.66	20.52	22.00
		108	54	20.59	20.64	20.58	22.00
		108	108	20.55	20.65	20.57	22.00
		216	0	20.43	20.67	20.61	22.00
	DFT-s-OFDM QPSK	1	1	20.60	20.84	20.74	22.00
		1	108	20.57	20.67	20.58	22.00
		1	214	20.44	20.66	20.57	22.00
		108	0	20.58	20.61	20.63	22.00
		108	54	20.59	20.73	20.67	22.00
		108	108	20.43	20.64	20.59	22.00
		216	0	20.55	20.61	20.53	22.00
	DFT-s-OFDM 16QAM	1	1	20.53	20.63	20.52	22.00
	DFT-s-OFDM 64QAM	1	1	19.78	19.92	19.76	21.50
	DFT-s-OFDM 256QAM	1	1	18.47	18.53	18.47	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	19.30	19.58	19.38	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	20.17	20.40	20.40	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	20.26	20.51	20.39	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	20.20	20.47	20.32	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	20.21	20.43	20.30	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	20.24	20.45	20.36	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	20.25	20.51	20.36	22.00



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N66 Ant6 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
				1730	1745	1760	
40MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.46	22.66	22.57	24.00
		1	108	22.53	22.64	22.55	24.00
		1	214	22.49	22.66	22.55	24.00
		108	0	22.11	22.24	22.17	23.50
		108	54	22.56	22.64	22.63	24.00
		108	108	22.14	22.25	22.17	23.50
		216	0	22.16	22.32	22.15	23.50
	DFT-s-OFDM QPSK	1	1	22.61	22.78	22.68	24.00
		1	108	22.56	22.66	22.54	24.00
		1	214	22.55	22.66	22.56	24.00
		108	0	21.64	21.83	21.68	23.00
		108	54	22.49	22.68	22.58	24.00
		108	108	21.67	21.76	21.68	23.00
		216	0	21.66	21.81	21.73	23.00
	DFT-s-OFDM 16QAM	1	1	21.36	21.51	21.42	23.00
	DFT-s-OFDM 64QAM	1	1	19.78	19.92	19.76	21.50
	DFT-s-OFDM 256QAM	1	1	18.47	18.53	18.47	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				346000	349000	352000	
40MHz	CP-OFDM QPSK	1	1	20.86	21.11	21.00	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				345000	349000	353000	
30MHz	DFT-s-OFDM QPSK	1	1	22.32	22.47	22.44	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344500	349000	353500	
25MHz	DFT-s-OFDM QPSK	1	1	22.29	22.43	22.43	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				344000	349000	354000	
20MHz	DFT-s-OFDM QPSK	1	1	22.37	22.54	22.34	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343500	349000	354500	
15MHz	DFT-s-OFDM QPSK	1	1	22.35	22.49	22.37	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				343000	349000	355000	
10MHz	DFT-s-OFDM QPSK	1	1	22.27	22.48	22.34	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				342500	349000	355500	
5MHz	DFT-s-OFDM QPSK	1	1	22.37	22.52	22.43	24.00



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N71 Ant7 Head & Hotspot				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134600	136100	137600	
				673	680.5	688	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	20.40	20.63	20.47	22.00
		1	53	20.51	20.68	20.47	22.00
		1	104	20.39	20.74	20.54	22.00
		50	0	20.42	20.63	20.63	22.00
		50	28	20.48	20.67	20.53	22.00
		50	56	20.38	20.64	20.61	22.00
		100	0	20.43	20.64	20.51	22.00
	DFT-s-OFDM QPSK	1	1	20.58	20.84	20.73	22.00
		1	53	20.44	20.60	20.63	22.00
		1	104	20.52	20.66	20.56	22.00
		50	0	20.50	20.63	20.47	22.00
		50	28	20.42	20.75	20.51	22.00
		50	56	20.43	20.66	20.62	22.00
		100	0	20.44	20.61	20.61	22.00
	DFT-s-OFDM 16QAM	1	1	20.37	20.67	20.59	22.00
	DFT-s-OFDM 64QAM	1	1	19.90	20.06	19.96	21.50
	DFT-s-OFDM 256QAM	1	1	18.41	18.52	18.46	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134600	136100	137600	
20MHz	CP-OFDM QPSK	1	1	19.11	19.36	19.30	20.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134100	136100	138100	
15MHz	DFT-s-OFDM QPSK	1	1	20.35	20.60	20.43	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133600	136100	138600	
10MHz	DFT-s-OFDM QPSK	1	1	20.29	20.57	20.45	22.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133100	136100	139100	
5MHz	DFT-s-OFDM QPSK	1	1	20.30	20.53	20.51	22.00

N71 Ant7 Body				Conducted Power(dBm)			
SCS 15kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134600	136100	137600	
				673	680.5	688	
20MHz	DFT-s-OFDM PI/2 BPSK	1	1	22.44	22.64	22.52	24.00
		1	53	22.43	22.72	22.55	24.00
		1	104	22.40	22.63	22.57	24.00
		50	0	22.03	22.25	22.14	23.50
		50	28	22.40	22.67	22.58	24.00
		50	56	22.08	22.28	22.17	23.50
		100	0	22.02	22.31	22.18	23.50
	DFT-s-OFDM QPSK	1	1	22.62	22.79	22.73	24.00
		1	53	22.40	22.68	22.62	24.00
		1	104	22.41	22.72	22.60	24.00



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		50	0	21.57	21.76	21.71	23.00
		50	28	22.59	22.71	22.67	24.00
		50	56	21.51	21.82	21.69	23.00
		100	0	21.51	21.85	21.64	23.00
	DFT-s-OFDM 16QAM	1	1	21.27	21.39	21.29	23.00
	DFT-s-OFDM 64QAM	1	1	19.90	20.06	19.96	21.50
	DFT-s-OFDM 256QAM	1	1	18.41	18.52	18.46	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134600	136100	137600	
20MHz	CP-OFDM QPSK	1	1	20.82	21.08	20.97	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				134100	136100	138100	
15MHz	DFT-s-OFDM QPSK	1	1	22.19	22.46	22.39	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133600	136100	138600	
10MHz	DFT-s-OFDM QPSK	1	1	22.22	22.50	22.35	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				133100	136100	139100	
5MHz	DFT-s-OFDM QPSK	1	1	22.21	22.47	22.40	24.00

N77 Part 27Q Ant0 Head Standalone				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.69	/	17.00
		1	137	/	15.50	/	17.00
		1	271	/	15.56	/	17.00
		135	0	/	15.72	/	17.00
		135	69	/	15.56	/	17.00
		135	138	/	15.55	/	17.00
		270	0	/	15.76	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.84	/	17.00
		1	137	/	15.64	/	17.00
		1	271	/	15.77	/	17.00
		135	0	/	15.55	/	17.00
		135	69	/	15.82	/	17.00
		135	138	/	15.69	/	17.00
		270	0	/	15.52	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.65	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.48	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.61	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.45	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.62	15.63	15.50	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 632668	Channel 633334	Channel 634000	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	15.55	15.64	15.48	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 632334	Channel 633334	Channel 634334	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	15.55	15.54	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	15.53	15.55	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.60	15.56	15.53	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.53	15.54	15.59	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	15.53	15.59	15.50	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 630917	Channel 633334	Channel 635751	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	15.53	15.59	15.49	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.60	15.55	15.58	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.55	15.66	15.59	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 630001	Channel 633334	Channel 636668	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.64	15.62	15.54	17.00

N77 Part 270 Ant0 Head Standalone				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	15.87	15.89	15.82	17.00
		1	137	15.88	15.73	15.73	17.00
		1	271	15.87	15.79	15.80	17.00
		135	0	15.81	15.91	15.90	17.00
		135	69	15.76	15.77	15.81	17.00
		135	138	15.86	15.78	15.79	17.00
		270	0	15.91	15.92	15.88	17.00
	DFT-s-OFDM	1	1	15.82	16.02	15.91	17.00



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	QPSK	1	137	15.87	15.79	15.83	17.00
		1	271	15.82	15.92	15.86	17.00
		135	0	15.81	15.72	15.76	17.00
		135	69	15.89	15.98	15.94	17.00
		135	138	15.87	15.86	15.89	17.00
		270	0	15.80	15.74	15.78	17.00
	DFT-s-OFDM 16QAM	1	1	15.85	15.84	15.83	17.00
	DFT-s-OFDM 64QAM	1	1	15.87	15.70	15.71	17.00
	DFT-s-OFDM 256QAM	1	1	15.78	15.80	15.79	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	14.31	14.51	14.36	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 656000	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	15.57	15.66	15.56	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 656000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	15.59	15.61	15.49	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 656000	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	15.59	15.63	15.57	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 656000	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	15.56	15.56	15.54	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.58	15.63	15.52	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.62	15.60	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 656000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	15.63	15.67	15.52	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 656000	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	15.62	15.55	15.50	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.64	15.61	15.58	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.63	15.59	15.54	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up



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				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	15.60	15.63	15.58	17.00

N77 Part 27Q Ant0 Head Simultaneous				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.30	/	15.50
		1	137	/	14.14	/	15.50
		1	271	/	14.17	/	15.50
		135	0	/	14.28	/	15.50
		135	69	/	14.21	/	15.50
		135	138	/	14.19	/	15.50
		270	0	/	14.28	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.38	/	15.50
		1	137	/	14.17	/	15.50
		1	271	/	14.30	/	15.50
		135	0	/	14.07	/	15.50
		135	69	/	14.37	/	15.50
		135	138	/	14.27	/	15.50
		270	0	/	14.11	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.22	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	14.10	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	14.22	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.89	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	13.98	14.11	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	13.94	14.17	14.11	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	13.95	14.15	14.12	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.00	14.11	14.06	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	14.00	14.14	14.15	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.97	14.13	14.10	15.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	13.96	14.14	14.08	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630917	633334	635751	
25MHz	DFT-s-OFDM QPSK	1	1	14.01	14.10	14.07	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.94	14.14	14.10	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	13.97	14.15	14.16	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	13.96	14.13	14.12	15.50

N77 Part 270 Ant0 Head Simultaneous				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	14.42	14.39	14.29	15.50
		1	137	14.33	14.21	14.19	15.50
		1	271	14.39	14.27	14.26	15.50
		135	0	14.27	14.43	14.41	15.50
		135	69	14.27	14.22	14.34	15.50
		135	138	14.40	14.23	14.27	15.50
		270	0	14.46	14.42	14.36	15.50
	DFT-s-OFDM QPSK	1	1	14.37	14.51	14.41	15.50
		1	137	14.41	14.31	14.28	15.50
		1	271	14.31	14.39	14.40	15.50
		135	0	14.28	14.23	14.25	15.50
		135	69	14.34	14.47	14.45	15.50
		135	138	14.37	14.32	14.38	15.50
		270	0	14.27	14.27	14.23	15.50
	DFT-s-OFDM 16QAM	1	1	14.37	14.29	14.33	15.50
	DFT-s-OFDM 64QAM	1	1	14.36	14.17	14.25	15.50
	DFT-s-OFDM 256QAM	1	1	14.26	14.34	14.24	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	12.84	12.96	12.89	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	13.97	14.09	14.12	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	



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80MHz	DFT-s-OFDM QPSK	1	1	13.94	14.18	14.10	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 656000	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	13.97	14.17	14.08	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 656000	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	13.96	14.13	14.08	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	13.95	14.12	14.16	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	14.00	14.14	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 656000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	13.97	14.16	14.07	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 656000	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	13.99	14.14	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	13.98	14.18	14.09	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	13.96	14.18	14.09	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	13.99	14.14	14.10	15.50

N77 Part 27Q Ant0 Head For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.25	/	12.50
		1	137	/	11.17	/	12.50
		1	271	/	11.18	/	12.50
		135	0	/	11.28	/	12.50
		135	69	/	11.20	/	12.50
		135	138	/	11.13	/	12.50
		270	0	/	11.29	/	12.50
	DFT-s-OFDM QPSK	1	1	/	11.44	/	12.50
		1	137	/	11.15	/	12.50
		1	271	/	11.33	/	12.50
		135	0	/	11.16	/	12.50
		135	69	/	11.42	/	12.50
		135	138	/	11.29	/	12.50



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		270	0	/	11.18	/	12.50
	DFT-s-OFDM 16QAM	1	1	/	11.27	/	12.50
	DFT-s-OFDM 64QAM	1	1	/	11.08	/	12.50
	DFT-s-OFDM 256QAM	1	1	/	11.18	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	9.87	/	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	10.91	11.04	10.98	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	10.85	11.08	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	10.86	11.00	11.04	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	10.86	10.99	10.94	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	10.89	11.08	10.97	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	10.87	11.03	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	10.92	11.04	11.01	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630917	633334	635751	
25MHz	DFT-s-OFDM QPSK	1	1	10.89	11.03	10.98	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	10.84	11.07	10.95	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	10.91	10.99	11.04	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	10.85	11.08	11.01	12.50



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N77 Part 270 Ant0 Head For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	11.42	11.35	11.30	12.50
		1	137	11.41	11.21	11.21	12.50
		1	271	11.34	11.32	11.27	12.50
		135	0	11.29	11.43	11.39	12.50
		135	69	11.28	11.29	11.30	12.50
		135	138	11.38	11.31	11.31	12.50
		270	0	11.42	11.41	11.35	12.50
	DFT-s-OFDM QPSK	1	1	11.29	11.49	11.40	12.50
		1	137	11.34	11.25	11.38	12.50
		1	271	11.35	11.47	11.41	12.50
		135	0	11.28	11.27	11.28	12.50
		135	69	11.36	11.48	11.45	12.50
		135	138	11.41	11.35	11.44	12.50
		270	0	11.34	11.20	11.29	12.50
	DFT-s-OFDM 16QAM	1	1	11.39	11.30	11.35	12.50
	DFT-s-OFDM 64QAM	1	1	11.39	11.23	11.24	12.50
DFT-s-OFDM 256QAM	1	1	11.32	11.27	11.25	12.50	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	9.78	9.90	9.89	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	10.85	10.99	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	10.94	10.99	11.01	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	656000	663000	
70MHz	DFT-s-OFDM QPSK	1	1	10.86	11.06	10.97	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	10.92	11.06	11.00	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	10.88	11.06	10.97	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	10.88	11.00	11.03	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	656000	664332	
30MHz	DFT-s-OFDM QPSK	1	1	10.88	11.04	10.96	12.50



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647500	656000	664500	
25MHz	DFT-s-OFDM QPSK	1	1	10.91	11.01	11.03	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	10.84	10.99	10.95	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	10.92	10.99	11.01	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	10.85	10.99	10.98	12.50

N77 Part 27Q Ant0 Body Sensor off				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	26.38	/	27.00
		1	137	/	26.39	/	27.00
		1	271	/	26.20	/	27.00
		135	0	/	26.00	/	26.50
		135	69	/	26.32	/	27.00
		135	138	/	25.93	/	26.50
		270	0	/	25.90	/	26.50
	DFT-s-OFDM QPSK	1	1	/	26.44	/	27.00
		1	137	/	26.39	/	27.00
		1	271	/	26.34	/	27.00
		135	0	/	25.41	/	26.00
		135	69	/	26.37	/	27.00
		135	138	/	25.30	/	26.00
		270	0	/	25.33	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	25.09	/	26.00
	DFT-s-OFDM 64QAM	1	1	/	23.57	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	22.11	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	24.89	/	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	25.77	25.83	25.89	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	25.77	25.87	25.81	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	



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70MHz	DFT-s-OFDM QPSK	1	1	25.86	25.82	25.86	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	25.83	25.87	25.86	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	25.80	25.80	25.86	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	25.83	25.90	25.83	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	25.82	25.91	25.81	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 630917	Channel 633334	Channel 635751	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	25.78	25.88	25.81	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	25.86	25.82	25.89	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	25.78	25.90	25.89	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 630001	Channel 633334	Channel 636668	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	25.85	25.84	25.85	27.00

N77 Part 270 Ant0 Body Sensor off				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	26.34	26.38	26.33	27.00
		1	137	26.30	26.22	26.24	27.00
		1	271	26.30	26.24	26.29	27.00
		135	0	25.68	25.76	25.70	26.50
		135	69	26.28	26.28	26.32	27.00
		135	138	25.70	25.70	25.74	26.50
		270	0	25.73	25.77	25.81	26.50
	DFT-s-OFDM QPSK	1	1	26.36	26.45	26.41	27.00
		1	137	26.31	26.32	26.28	27.00
		1	271	26.29	26.35	26.32	27.00
		135	0	25.35	25.30	25.30	26.00
		135	69	26.31	26.34	26.33	27.00
		135	138	25.26	25.27	25.30	26.00
		270	0	25.32	25.36	25.38	26.00
	DFT-s-OFDM 16QAM	1	1	25.34	25.33	25.35	26.00



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	DFT-s-OFDM 64QAM	1	1	23.75	23.80	23.74	24.50
	DFT-s-OFDM 256QAM	1	1	21.90	21.86	21.81	22.50
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	24.92	24.95	24.92	25.50
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 656000	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	25.86	25.90	25.84	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 656000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	25.77	25.90	25.82	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 656000	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	25.83	25.87	25.88	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 656000	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	25.85	25.84	25.82	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	25.81	25.80	25.81	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	25.79	25.81	25.89	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 656000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	25.86	25.83	25.79	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 656000	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	25.83	25.86	25.83	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	25.87	25.82	25.80	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	25.86	25.79	25.82	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	25.77	25.90	25.88	27.00



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N77 Part 27Q Ant0 Body For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.16	/	24.00
		1	137	/	23.16	/	24.00
		1	271	/	23.23	/	24.00
		135	0	/	23.32	/	24.00
		135	69	/	23.17	/	24.00
		135	138	/	23.16	/	24.00
		270	0	/	23.32	/	24.00
	DFT-s-OFDM QPSK	1	1	/	23.41	/	24.00
		1	137	/	23.10	/	24.00
		1	271	/	23.32	/	24.00
		135	0	/	23.13	/	24.00
		135	69	/	23.37	/	24.00
		135	138	/	23.27	/	24.00
		270	0	/	23.14	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.18	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	23.08	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	22.11	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.71	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	23.08	22.93	22.98	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	23.07	23.01	23.04	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	23.12	22.94	23.04	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	23.07	22.93	23.00	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	23.04	22.98	23.02	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	23.10	22.99	22.97	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	23.04	22.96	23.03	24.00



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Bandwidth	Modulation	RB size	RB offset	Channel 630917	Channel 633334	Channel 635751	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	23.11	22.92	23.04	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	23.05	23.01	22.96	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.08	22.97	23.01	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 630001	Channel 633334	Channel 636668	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.08	22.93	23.02	24.00

N77 Part 270 Ant0 Body For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	23.44	23.30	23.31	24.00
		1	137	23.39	23.22	23.25	24.00
		1	271	23.36	23.31	23.23	24.00
		135	0	23.31	23.43	23.36	24.00
		135	69	23.31	23.28	23.28	24.00
		135	138	23.37	23.27	23.30	24.00
		270	0	23.42	23.43	23.35	24.00
	DFT-s-OFDM QPSK	1	1	23.29	23.52	23.40	24.00
		1	137	23.38	23.22	23.36	24.00
		1	271	23.35	23.42	23.44	24.00
		135	0	23.26	23.27	23.33	24.00
		135	69	23.37	23.45	23.45	24.00
		135	138	23.43	23.34	23.46	24.00
		270	0	23.39	23.21	23.29	24.00
	DFT-s-OFDM 16QAM	1	1	23.40	23.31	23.36	24.00
	DFT-s-OFDM 64QAM	1	1	23.35	23.21	23.27	24.00
	DFT-s-OFDM 256QAM	1	1	21.90	21.86	21.81	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	21.81	22.03	21.86	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	23.08	22.98	23.00	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	23.11	22.98	23.04	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	656000	663000	



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70MHz	DFT-s-OFDM QPSK	1	1	23.04	23.02	23.02	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 656000	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	23.08	23.02	22.96	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	23.05	23.02	23.02	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	23.11	22.94	22.96	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 656000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	23.11	23.01	23.01	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 656000	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	23.09	22.95	23.03	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	23.03	22.94	22.98	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	23.09	22.97	22.97	24.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	23.11	22.96	23.00	24.00

N77 Part 27Q Ant0 Hotspot&Body Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	18.29	/	19.50
		1	137	/	18.12	/	19.50
		1	271	/	18.10	/	19.50
		135	0	/	18.14	/	19.50
		135	69	/	17.96	/	19.50
		135	138	/	18.11	/	19.50
		270	0	/	18.16	/	19.50
	DFT-s-OFDM QPSK	1	1	/	18.34	/	19.50
		1	137	/	18.02	/	19.50
		1	271	/	18.27	/	19.50
		135	0	/	18.03	/	19.50
		135	69	/	18.27	/	19.50
		135	138	/	18.10	/	19.50
		270	0	/	18.03	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.02	/	19.50



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	DFT-s-OFDM 64QAM	1	1	/	18.05	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	18.00	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	16.79	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	18.07	18.09	18.10	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	18.01	18.14	17.98	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	
70MHz	DFT-s-OFDM QPSK	1	1	18.09	18.08	18.06	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	18.11	18.10	18.01	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	18.07	18.13	18.02	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	18.04	18.11	18.07	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631001	633334	635667	
30MHz	DFT-s-OFDM QPSK	1	1	18.06	18.12	18.02	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630917	633334	635751	
25MHz	DFT-s-OFDM QPSK	1	1	18.06	18.12	18.03	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	18.00	18.12	18.03	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636334	
15MHz	DFT-s-OFDM QPSK	1	1	18.12	18.12	18.01	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630001	633334	636668	
10MHz	DFT-s-OFDM QPSK	1	1	18.02	18.10	18.09	19.50

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N77 Part 270 Ant0 Hotspot&Body Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	18.34	18.43	18.33	19.50
		1	137	18.32	18.26	18.26	19.50
		1	271	18.26	18.32	18.29	19.50
		135	0	18.40	18.35	18.31	19.50
		135	69	18.33	18.21	18.24	19.50
		135	138	18.34	18.28	18.25	19.50
		270	0	18.33	18.38	18.34	19.50
	DFT-s-OFDM QPSK	1	1	18.42	18.48	18.38	19.50
		1	137	18.34	18.19	18.32	19.50
		1	271	18.40	18.45	18.39	19.50
		135	0	18.27	18.28	18.28	19.50
		135	69	18.35	18.43	18.42	19.50
		135	138	18.32	18.33	18.37	19.50
		270	0	18.34	18.19	18.27	19.50
	DFT-s-OFDM 16QAM	1	1	18.32	18.20	18.28	19.50
	DFT-s-OFDM 64QAM	1	1	18.32	18.30	18.30	19.50
	DFT-s-OFDM 256QAM	1	1	18.33	18.23	18.36	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
100MHz	CP-OFDM QPSK	1	1	16.90	16.91	16.82	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	656000	662332	
90MHz	DFT-s-OFDM QPSK	1	1	18.10	18.15	18.04	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	656000	662666	
80MHz	DFT-s-OFDM QPSK	1	1	18.08	18.12	17.98	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	656000	663000	
70MHz	DFT-s-OFDM QPSK	1	1	18.02	18.14	18.01	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	656000	663332	
60MHz	DFT-s-OFDM QPSK	1	1	18.04	18.16	18.00	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	656000	663666	
50MHz	DFT-s-OFDM QPSK	1	1	18.01	18.10	17.99	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	656000	664000	
40MHz	DFT-s-OFDM QPSK	1	1	18.04	18.15	18.03	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	656000	664332	
30MHz	DFT-s-OFDM QPSK	1	1	18.03	18.16	18.08	19.50

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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647500	656000	664500	
25MHz	DFT-s-OFDM QPSK	1	1	18.12	18.20	17.98	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	656000	664666	
20MHz	DFT-s-OFDM QPSK	1	1	18.09	18.11	18.00	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647168	656000	664832	
15MHz	DFT-s-OFDM QPSK	1	1	18.09	18.11	18.03	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	656000	665000	
10MHz	DFT-s-OFDM QPSK	1	1	18.03	18.16	18.11	19.50

N77 Part 27Q Ant0 Hotspot For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.31	/	17.50
		1	137	/	16.17	/	17.50
		1	271	/	16.18	/	17.50
		135	0	/	16.23	/	17.50
		135	69	/	16.08	/	17.50
		135	138	/	16.14	/	17.50
		270	0	/	16.28	/	17.50
	DFT-s-OFDM QPSK	1	1	/	16.38	/	17.50
		1	137	/	16.15	/	17.50
		1	271	/	16.37	/	17.50
		135	0	/	16.15	/	17.50
		135	69	/	16.29	/	17.50
		135	138	/	16.27	/	17.50
		270	0	/	16.00	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.14	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.19	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.14	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.78	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.09	16.18	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	16.07	16.22	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634334	



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70MHz	DFT-s-OFDM QPSK	1	1	16.14	16.19	16.06	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	16.05	16.20	16.11	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	16.08	16.25	16.02	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	16.07	16.23	16.10	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 631001	Channel 633334	Channel 635667	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	16.05	16.27	16.09	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 630917	Channel 633334	Channel 635751	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.12	16.18	16.10	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.07	16.22	16.02	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636334	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.11	16.22	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 630001	Channel 633334	Channel 636668	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.06	16.19	16.11	17.50

N77 Part 270 Ant0 Hotspot For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				650000	656000	662000	
				3750	3840	3930	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	16.38	16.39	16.36	17.50
		1	137	16.35	16.28	16.27	17.50
		1	271	16.31	16.34	16.29	17.50
		135	0	16.40	16.35	16.26	17.50
		135	69	16.35	16.17	16.28	17.50
		135	138	16.30	16.23	16.29	17.50
		270	0	16.34	16.39	16.37	17.50
	DFT-s-OFDM QPSK	1	1	16.39	16.52	16.36	17.50
		1	137	16.39	16.24	16.30	17.50
		1	271	16.37	16.48	16.41	17.50
		135	0	16.24	16.30	16.28	17.50
		135	69	16.39	16.42	16.37	17.50
		135	138	16.30	16.35	16.41	17.50
		270	0	16.31	16.16	16.25	17.50
	DFT-s-OFDM 16QAM	1	1	16.35	16.22	16.29	17.50



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	DFT-s-OFDM 64QAM	1	1	16.34	16.28	16.33	17.50
	DFT-s-OFDM 256QAM	1	1	16.38	16.27	16.33	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 650000	Channel 656000	Channel 662000	Tune up
100MHz	CP-OFDM QPSK	1	1	14.77	14.77	14.75	16.00
Bandwidth	Modulation	RB size	RB offset	Channel 649668	Channel 656000	Channel 662332	Tune up
90MHz	DFT-s-OFDM QPSK	1	1	16.08	16.18	16.09	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 649334	Channel 656000	Channel 662666	Tune up
80MHz	DFT-s-OFDM QPSK	1	1	16.05	16.18	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 649000	Channel 656000	Channel 663000	Tune up
70MHz	DFT-s-OFDM QPSK	1	1	16.05	16.24	16.01	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 656000	Channel 663332	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	16.05	16.23	16.08	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 656000	Channel 663666	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	16.12	16.26	16.09	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 656000	Channel 664000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	16.09	16.27	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 656000	Channel 664332	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	16.09	16.27	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647500	Channel 656000	Channel 664500	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.13	16.19	16.10	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 656000	Channel 664666	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.11	16.20	16.06	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647168	Channel 656000	Channel 664832	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.13	16.17	16.02	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 656000	Channel 665000	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.07	16.25	16.11	17.50



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N78 Part 27Q Ant0 Head Standalone				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.70	/	17.00
		1	137	/	15.51	/	17.00
		1	271	/	15.65	/	17.00
		135	0	/	15.70	/	17.00
		135	69	/	15.59	/	17.00
		135	138	/	15.61	/	17.00
		270	0	/	15.69	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.79	/	17.00
		1	137	/	15.55	/	17.00
		1	271	/	15.68	/	17.00
		135	0	/	15.56	/	17.00
		135	69	/	15.74	/	17.00
		135	138	/	15.71	/	17.00
		270	0	/	15.55	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.66	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.57	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.66	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.42	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	15.55	15.54	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	15.63	15.66	15.59	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	15.59	15.66	15.56	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	15.58	15.59	15.59	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	15.63	15.64	15.58	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	15.62	15.56	15.56	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	15.64	15.63	15.51	17.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630917	633334	635751	
25MHz	DFT-s-OFDM QPSK	1	1	15.55	15.59	15.54	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	15.64	15.55	15.51	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	15.56	15.59	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636332	
10MHz	DFT-s-OFDM QPSK	1	1	15.55	15.63	15.56	17.00

N78 Part 270 Ant0 Head Standalone				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	15.66	/	17.00
		1	137	/	15.51	/	17.00
		1	271	/	15.66	/	17.00
		135	0	/	15.71	/	17.00
		135	69	/	15.56	/	17.00
		135	138	/	15.57	/	17.00
		270	0	/	15.75	/	17.00
	DFT-s-OFDM QPSK	1	1	/	15.88	/	17.00
		1	137	/	15.66	/	17.00
		1	271	/	15.72	/	17.00
		135	0	/	15.59	/	17.00
		135	69	/	15.85	/	17.00
		135	138	/	15.62	/	17.00
		270	0	/	15.54	/	17.00
	DFT-s-OFDM 16QAM	1	1	/	15.69	/	17.00
	DFT-s-OFDM 64QAM	1	1	/	15.54	/	17.00
	DFT-s-OFDM 256QAM	1	1	/	15.55	/	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	14.43	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	15.55	15.65	15.50	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	15.62	15.61	15.51	17.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	



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70MHz	DFT-s-OFDM QPSK	1	1	15.58	15.55	15.48	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 650000	Channel 651334	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	15.53	15.66	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 650000	Channel 651668	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	15.60	15.60	15.51	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	15.62	15.63	15.52	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	15.57	15.56	15.55	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647501	Channel 650000	Channel 652501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	15.59	15.56	15.56	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	15.61	15.64	15.53	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	15.53	15.62	15.50	17.00
Bandwidth	Modulation	RB size	RB offset	Channel 646666	Channel 650000	Channel 653336	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	15.55	15.60	15.55	17.00

N78 Part 27Q Ant0 Head Simultaneous				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.21	/	15.50
		1	137	/	14.06	/	15.50
		1	271	/	14.19	/	15.50
		135	0	/	14.15	/	15.50
		135	69	/	14.08	/	15.50
		135	138	/	14.08	/	15.50
		270	0	/	14.19	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.26	/	15.50
		1	137	/	14.06	/	15.50
		1	271	/	14.16	/	15.50
		135	0	/	14.07	/	15.50
		135	69	/	14.25	/	15.50
		135	138	/	14.17	/	15.50
		270	0	/	14.09	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.12	/	15.50



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	DFT-s-OFDM 64QAM	1	1	/	14.04	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	14.16	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	12.76	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	13.96	14.08	14.12	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	14.02	14.12	14.15	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	13.93	14.13	14.14	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	14.01	14.17	14.14	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	13.98	14.09	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	13.98	14.10	14.10	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	13.92	14.13	14.14	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630917	633334	635751	
25MHz	DFT-s-OFDM QPSK	1	1	14.02	14.15	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	13.94	14.17	14.12	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	14.00	14.10	14.10	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636332	
10MHz	DFT-s-OFDM QPSK	1	1	13.99	14.17	14.15	15.50

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N78 Part 270 Ant0 Head Simultaneous				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	14.16	/	15.50
		1	137	/	14.05	/	15.50
		1	271	/	14.20	/	15.50
		135	0	/	14.19	/	15.50
		135	69	/	14.06	/	15.50
		135	138	/	14.11	/	15.50
		270	0	/	14.26	/	15.50
	DFT-s-OFDM QPSK	1	1	/	14.33	/	15.50
		1	137	/	14.19	/	15.50
		1	271	/	14.20	/	15.50
		135	0	/	14.05	/	15.50
		135	69	/	14.32	/	15.50
		135	138	/	14.14	/	15.50
		270	0	/	14.01	/	15.50
	DFT-s-OFDM 16QAM	1	1	/	14.24	/	15.50
	DFT-s-OFDM 64QAM	1	1	/	13.99	/	15.50
	DFT-s-OFDM 256QAM	1	1	/	14.03	/	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	12.82	/	14.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	14.00	14.09	14.15	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	13.99	14.12	14.09	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	14.00	14.17	14.14	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	13.96	14.11	14.07	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	14.00	14.12	14.15	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	13.94	14.18	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	13.96	14.12	14.16	15.50



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Bandwidth	Modulation	RB size	RB offset	Channel 647501	Channel 650000	Channel 652501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	13.94	14.17	14.13	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	13.98	14.18	14.16	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	13.92	14.13	14.14	15.50
Bandwidth	Modulation	RB size	RB offset	Channel 646666	Channel 650000	Channel 653336	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	13.94	14.18	14.16	15.50

N78 Part 27Q Ant0 Head For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.18	/	12.50
		1	137	/	11.04	/	12.50
		1	271	/	11.13	/	12.50
		135	0	/	11.19	/	12.50
		135	69	/	11.12	/	12.50
		135	138	/	11.08	/	12.50
		270	0	/	11.18	/	12.50
	DFT-s-OFDM QPSK	1	1	/	11.33	/	12.50
		1	137	/	11.05	/	12.50
		1	271	/	11.16	/	12.50
		135	0	/	11.03	/	12.50
		135	69	/	11.28	/	12.50
		135	138	/	11.25	/	12.50
		270	0	/	11.08	/	12.50
	DFT-s-OFDM 16QAM	1	1	/	11.19	/	12.50
	DFT-s-OFDM 64QAM	1	1	/	11.10	/	12.50
	DFT-s-OFDM 256QAM	1	1	/	11.21	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	9.77	/	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	10.92	11.06	11.00	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	10.87	11.05	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	



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70MHz	DFT-s-OFDM QPSK	1	1	10.86	11.02	10.95	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	10.87	11.02	10.95	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	10.92	11.04	11.02	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	10.91	11.02	10.98	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 631000	Channel 633334	Channel 635668	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	10.89	11.06	11.03	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 630917	Channel 633334	Channel 635751	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	10.91	11.00	10.96	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	10.91	11.02	10.95	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 630500	Channel 633334	Channel 636166	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	10.93	11.05	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636332	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	10.86	10.98	11.03	12.50

N78 Part 270 Ant0 Head For ENDC				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	11.20	/	12.50
		1	137	/	11.05	/	12.50
		1	271	/	11.14	/	12.50
		135	0	/	11.25	/	12.50
		135	69	/	11.08	/	12.50
		135	138	/	11.02	/	12.50
		270	0	/	11.24	/	12.50
	DFT-s-OFDM QPSK	1	1	/	11.43	/	12.50
		1	137	/	11.13	/	12.50
		1	271	/	11.26	/	12.50
		135	0	/	11.09	/	12.50
		135	69	/	11.32	/	12.50
		135	138	/	11.10	/	12.50
		270	0	/	11.06	/	12.50
	DFT-s-OFDM 16QAM	1	1	/	11.17	/	12.50



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	DFT-s-OFDM 64QAM	1	1	/	11.04	/	12.50
	DFT-s-OFDM 256QAM	1	1	/	11.07	/	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	9.83	/	11.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	10.93	11.08	10.98	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	10.86	11.06	11.04	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	10.87	11.02	11.03	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	10.90	10.99	11.02	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	10.87	10.98	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	10.92	11.05	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	10.91	11.06	10.94	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	10.91	11.05	11.02	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	10.85	11.00	10.99	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	10.89	11.05	11.03	12.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	10.91	11.06	10.98	12.50

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N78 Part 27Q Ant0 Body Sensor off				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	26.18	/	27.00
		1	137	/	26.15	/	27.00
		1	271	/	26.03	/	27.00
		135	0	/	25.79	/	26.50
		135	69	/	26.12	/	27.00
		135	138	/	25.73	/	26.50
		270	0	/	25.71	/	26.50
	DFT-s-OFDM QPSK	1	1	/	26.21	/	27.00
		1	137	/	26.15	/	27.00
		1	271	/	26.08	/	27.00
		135	0	/	25.15	/	26.00
		135	69	/	26.20	/	27.00
		135	138	/	25.11	/	26.00
		270	0	/	25.11	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	24.94	/	26.00
	DFT-s-OFDM 64QAM	1	1	/	23.42	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	21.93	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	24.68	/	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	25.61	25.79	25.62	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	25.69	25.77	25.65	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	25.64	25.75	25.73	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	25.60	25.86	25.72	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	25.65	25.74	25.62	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	25.68	25.85	25.66	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	25.67	25.82	25.68	27.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630917	633334	635751	
25MHz	DFT-s-OFDM QPSK	1	1	25.65	25.85	25.63	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	25.58	25.77	25.62	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	25.62	25.75	25.73	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636332	
10MHz	DFT-s-OFDM QPSK	1	1	25.63	25.84	25.63	27.00

N78 Part 270 Ant0 Body Sensor off				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	26.22	/	27.00
		1	137	/	26.15	/	27.00
		1	271	/	26.18	/	27.00
		135	0	/	25.63	/	26.50
		135	69	/	26.22	/	27.00
		135	138	/	25.61	/	26.50
		270	0	/	25.68	/	26.50
	DFT-s-OFDM QPSK	1	1	/	26.29	/	27.00
		1	137	/	26.18	/	27.00
		1	271	/	26.22	/	27.00
		135	0	/	25.19	/	26.00
		135	69	/	26.26	/	27.00
		135	138	/	25.18	/	26.00
		270	0	/	25.23	/	26.00
	DFT-s-OFDM 16QAM	1	1	/	25.21	/	26.00
	DFT-s-OFDM 64QAM	1	1	/	23.69	/	24.50
	DFT-s-OFDM 256QAM	1	1	/	21.75	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	24.68	/	25.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	25.69	25.81	25.73	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	25.59	25.77	25.63	27.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	



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70MHz	DFT-s-OFDM QPSK	1	1	25.62	25.74	25.63	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 650000	Channel 651334	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	25.60	25.86	25.64	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 650000	Channel 651668	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	25.68	25.81	25.64	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	25.65	25.77	25.65	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	25.61	25.83	25.71	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647501	Channel 650000	Channel 652501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	25.64	25.77	25.64	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	25.58	25.85	25.62	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	25.69	25.82	25.70	27.00
Bandwidth	Modulation	RB size	RB offset	Channel 646666	Channel 650000	Channel 653336	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	25.59	25.75	25.69	27.00

N78 Part 27Q Ant0 Body For ENDC				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.02	/	24.00
		1	137	/	23.05	/	24.00
		1	271	/	23.11	/	24.00
		135	0	/	23.22	/	24.00
		135	69	/	23.11	/	24.00
		135	138	/	23.06	/	24.00
		270	0	/	23.20	/	24.00
	DFT-s-OFDM QPSK	1	1	/	23.34	/	24.00
		1	137	/	22.99	/	24.00
		1	271	/	23.22	/	24.00
		135	0	/	22.97	/	24.00
		135	69	/	23.26	/	24.00
		135	138	/	23.20	/	24.00
		270	0	/	22.98	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.10	/	24.00



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	DFT-s-OFDM 64QAM	1	1	/	22.95	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.93	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	21.67	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	23.05	22.94	23.04	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	23.04	22.96	22.95	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	23.03	22.93	22.95	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	23.07	22.94	23.01	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	23.05	22.99	23.02	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	23.10	22.96	23.02	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	23.09	23.00	22.98	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630917	633334	635751	
25MHz	DFT-s-OFDM QPSK	1	1	23.08	23.01	22.99	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630668	633334	636000	
20MHz	DFT-s-OFDM QPSK	1	1	23.09	22.95	22.98	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630500	633334	636166	
15MHz	DFT-s-OFDM QPSK	1	1	23.05	22.93	23.05	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				630334	633334	636332	
10MHz	DFT-s-OFDM QPSK	1	1	23.07	23.02	23.04	24.00



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N78 Part 270 Ant0 Body For ENDC				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	23.22	/	24.00
		1	137	/	23.08	/	24.00
		1	271	/	23.16	/	24.00
		135	0	/	23.32	/	24.00
		135	69	/	23.13	/	24.00
		135	138	/	23.12	/	24.00
		270	0	/	23.29	/	24.00
	DFT-s-OFDM QPSK	1	1	/	23.45	/	24.00
		1	137	/	23.08	/	24.00
		1	271	/	23.35	/	24.00
		135	0	/	23.16	/	24.00
		135	69	/	23.33	/	24.00
		135	138	/	23.22	/	24.00
		270	0	/	23.08	/	24.00
	DFT-s-OFDM 16QAM	1	1	/	23.19	/	24.00
	DFT-s-OFDM 64QAM	1	1	/	23.06	/	24.00
	DFT-s-OFDM 256QAM	1	1	/	21.75	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	21.75	/	22.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	23.06	22.95	23.03	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	23.11	22.96	22.98	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	23.08	22.99	22.97	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	23.10	22.94	23.01	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	23.03	23.02	22.96	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	23.11	22.99	22.98	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	23.06	22.92	23.01	24.00



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Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	23.12	23.01	22.98	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	23.05	23.00	23.03	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	23.06	22.95	23.02	24.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	23.07	22.99	22.96	24.00

N78 Part 27Q Ant0 Hotspot&Body Sensor on				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	18.21	/	19.50
		1	137	/	18.13	/	19.50
		1	271	/	18.07	/	19.50
		135	0	/	18.18	/	19.50
		135	69	/	18.06	/	19.50
		135	138	/	18.11	/	19.50
		270	0	/	18.14	/	19.50
	DFT-s-OFDM QPSK	1	1	/	18.25	/	19.50
		1	137	/	18.04	/	19.50
		1	271	/	18.21	/	19.50
		135	0	/	18.07	/	19.50
		135	69	/	18.21	/	19.50
		135	138	/	18.19	/	19.50
		270	0	/	18.00	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.01	/	19.50
	DFT-s-OFDM 64QAM	1	1	/	18.06	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	18.06	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	16.84	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	18.05	18.17	18.10	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	18.08	18.18	18.10	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	



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70MHz	DFT-s-OFDM QPSK	1	1	18.05	18.15	18.10	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 632000	Channel 633334	Channel 634668	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	18.00	18.13	18.05	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 631668	Channel 633334	Channel 635000	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	18.11	18.11	17.99	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 631334	Channel 633334	Channel 635334	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	18.00	18.14	18.08	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 631000	Channel 633334	Channel 635668	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	18.02	18.20	18.02	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 630917	Channel 633334	Channel 635751	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	18.05	18.17	18.09	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	18.07	18.15	18.10	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 630500	Channel 633334	Channel 636166	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	18.04	18.19	17.99	19.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636332	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	18.10	18.18	18.04	19.50

N78 Part 270 Ant0 Hotspot&Body Sensor on				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	18.30	/	19.50
		1	137	/	18.04	/	19.50
		1	271	/	18.16	/	19.50
		135	0	/	18.19	/	19.50
		135	69	/	17.98	/	19.50
		135	138	/	18.04	/	19.50
		270	0	/	18.26	/	19.50
	DFT-s-OFDM QPSK	1	1	/	18.33	/	19.50
		1	137	/	17.96	/	19.50
		1	271	/	18.27	/	19.50
		135	0	/	18.04	/	19.50
		135	69	/	18.30	/	19.50
		135	138	/	18.09	/	19.50
		270	0	/	17.96	/	19.50
	DFT-s-OFDM 16QAM	1	1	/	18.02	/	19.50



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	DFT-s-OFDM 64QAM	1	1	/	18.15	/	19.50
	DFT-s-OFDM 256QAM	1	1	/	18.04	/	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	16.82	/	18.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	18.08	18.15	18.00	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	18.11	18.11	18.11	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	
70MHz	DFT-s-OFDM QPSK	1	1	18.11	18.20	18.04	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648668	650000	651334	
60MHz	DFT-s-OFDM QPSK	1	1	18.00	18.12	18.04	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648334	650000	651668	
50MHz	DFT-s-OFDM QPSK	1	1	18.00	18.13	18.01	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				648000	650000	652000	
40MHz	DFT-s-OFDM QPSK	1	1	18.00	18.13	18.08	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647668	650000	652334	
30MHz	DFT-s-OFDM QPSK	1	1	18.11	18.11	18.02	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647501	650000	652501	
25MHz	DFT-s-OFDM QPSK	1	1	18.09	18.12	17.99	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647334	650000	652668	
20MHz	DFT-s-OFDM QPSK	1	1	18.03	18.09	18.07	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				647000	650000	653002	
15MHz	DFT-s-OFDM QPSK	1	1	18.10	18.16	18.07	19.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				646666	650000	653336	
10MHz	DFT-s-OFDM QPSK	1	1	18.01	18.17	18.02	19.50

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N78 Part 27Q Ant0 Hotspot For END C				Conducted Power(dBm)			
SCS 30kHz							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
				/	3500.01	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.29	/	17.50
		1	137	/	16.13	/	17.50
		1	271	/	16.23	/	17.50
		135	0	/	16.20	/	17.50
		135	69	/	16.05	/	17.50
		135	138	/	16.17	/	17.50
		270	0	/	16.29	/	17.50
	DFT-s-OFDM QPSK	1	1	/	16.43	/	17.50
		1	137	/	16.13	/	17.50
		1	271	/	16.35	/	17.50
		135	0	/	16.19	/	17.50
		135	69	/	16.32	/	17.50
		135	138	/	16.23	/	17.50
		270	0	/	16.04	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.16	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.19	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.18	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	633334	/	
100MHz	CP-OFDM QPSK	1	1	/	14.70	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				633000	633334	633668	
90MHz	DFT-s-OFDM QPSK	1	1	16.04	16.26	16.04	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632668	633334	634000	
80MHz	DFT-s-OFDM QPSK	1	1	16.10	16.22	16.03	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632334	633334	634332	
70MHz	DFT-s-OFDM QPSK	1	1	16.10	16.18	16.06	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				632000	633334	634668	
60MHz	DFT-s-OFDM QPSK	1	1	16.06	16.18	16.03	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631668	633334	635000	
50MHz	DFT-s-OFDM QPSK	1	1	16.07	16.24	16.07	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631334	633334	635334	
40MHz	DFT-s-OFDM QPSK	1	1	16.08	16.26	16.08	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				631000	633334	635668	
30MHz	DFT-s-OFDM QPSK	1	1	16.13	16.25	16.02	17.50



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Bandwidth	Modulation	RB size	RB offset	Channel 630917	Channel 633334	Channel 635751	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.10	16.20	16.08	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 630668	Channel 633334	Channel 636000	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.11	16.25	16.04	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 630500	Channel 633334	Channel 636166	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.11	16.22	16.04	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 630334	Channel 633334	Channel 636332	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.05	16.19	16.09	17.50

N78 Part 270 Ant0 Hotspot For ENDC				Conducted Power(dBm)			
SCS 30kHz(3700~3800)							
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
				/	3750.00	/	
100MHz	DFT-s-OFDM PI/2 BPSK	1	1	/	16.33	/	17.50
		1	137	/	16.22	/	17.50
		1	271	/	16.30	/	17.50
		135	0	/	16.29	/	17.50
		135	69	/	16.12	/	17.50
		135	138	/	16.18	/	17.50
		270	0	/	16.38	/	17.50
	DFT-s-OFDM QPSK	1	1	/	16.48	/	17.50
		1	137	/	16.22	/	17.50
		1	271	/	16.43	/	17.50
		135	0	/	16.24	/	17.50
		135	69	/	16.44	/	17.50
		135	138	/	16.32	/	17.50
		270	0	/	16.15	/	17.50
	DFT-s-OFDM 16QAM	1	1	/	16.20	/	17.50
	DFT-s-OFDM 64QAM	1	1	/	16.30	/	17.50
	DFT-s-OFDM 256QAM	1	1	/	16.24	/	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				/	650000	/	
100MHz	CP-OFDM QPSK	1	1	/	14.72	/	16.00
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649668	650000	650334	
90MHz	DFT-s-OFDM QPSK	1	1	16.13	16.18	16.03	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649334	650000	650668	
80MHz	DFT-s-OFDM QPSK	1	1	16.14	16.27	16.10	17.50
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				649000	650000	651000	



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70MHz	DFT-s-OFDM QPSK	1	1	16.10	16.23	16.09	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 648668	Channel 650000	Channel 651334	Tune up
60MHz	DFT-s-OFDM QPSK	1	1	16.04	16.25	16.02	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 648334	Channel 650000	Channel 651668	Tune up
50MHz	DFT-s-OFDM QPSK	1	1	16.07	16.24	16.04	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 648000	Channel 650000	Channel 652000	Tune up
40MHz	DFT-s-OFDM QPSK	1	1	16.04	16.27	16.05	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647668	Channel 650000	Channel 652334	Tune up
30MHz	DFT-s-OFDM QPSK	1	1	16.14	16.20	16.03	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647501	Channel 650000	Channel 652501	Tune up
25MHz	DFT-s-OFDM QPSK	1	1	16.08	16.26	16.06	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647334	Channel 650000	Channel 652668	Tune up
20MHz	DFT-s-OFDM QPSK	1	1	16.08	16.26	16.11	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 647000	Channel 650000	Channel 653002	Tune up
15MHz	DFT-s-OFDM QPSK	1	1	16.08	16.26	16.03	17.50
Bandwidth	Modulation	RB size	RB offset	Channel 646666	Channel 650000	Channel 653336	Tune up
10MHz	DFT-s-OFDM QPSK	1	1	16.05	16.21	16.07	17.50



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7. Conducted Power of WIFI2.4G

WIFI 2.4G Head				SISO Ant8		SISO Ant10		MIMO	
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11b	1	2412	1	14.38	15.50	13.29	14.50	16.88	18.00
	6	2437		14.49	15.50	13.32	14.50	16.95	18.00
	11	2462		14.43	15.50	13.26	14.50	16.89	18.00
802.11g	1	2412	6	13.99	15.00	13.04	14.50	16.55	18.00
	6	2437		14.00	15.00	13.33	14.50	16.69	18.00
	11	2462		13.64	15.00	13.27	14.50	16.47	17.50
802.11n HT20	1	2412	6.5	13.92	15.00	12.94	14.00	16.47	17.50
	6	2437		13.92	15.00	13.24	14.50	16.60	18.00
	11	2462		13.96	15.00	13.10	14.50	16.56	18.00
802.11n HT40	3	2422	13.5	14.38	15.50	13.19	14.50	16.84	18.00
	6	2437		14.43	15.50	13.36	14.50	16.94	18.00
	9	2452		14.36	15.50	13.29	14.50	16.87	18.00
802.11ax HE20	1	2412	MCS0	14.33	15.50	13.41	14.50	16.90	18.00
	6	2437		14.24	15.50	13.46	14.50	16.88	18.00
	11	2462		14.34	15.50	13.37	14.50	16.89	18.00
802.11ax HE40	3	2422	MCS0	14.28	15.50	13.36	14.50	16.85	18.00
	6	2437		14.41	15.50	13.35	14.50	16.92	18.00
	9	2452		14.35	15.50	13.38	14.50	16.90	18.00

WIFI 2.4G Body worn				SISO Ant8		SISO Ant10		MIMO	
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11b	1	2412	1	18.37	19.50	17.69	19.00	21.05	22.50
	6	2437		18.53	20.00	18.00	19.00	21.28	22.50
	11	2462		18.38	19.50	17.63	19.00	21.03	22.50
802.11g	1	2412	6	18.52	20.00	17.54	19.00	21.07	22.50
	6	2437		18.44	19.50	17.81	19.00	21.15	22.50
	11	2462		18.14	19.50	17.69	19.00	20.93	22.00
802.11n HT20	1	2412	6.5	18.45	19.50	17.44	18.50	20.98	22.00
	6	2437		18.51	20.00	17.69	19.00	21.13	22.50
	11	2462		18.39	19.50	17.54	19.00	21.00	22.00
802.11n HT40	3	2422	13.5	16.90	18.00	16.00	17.00	19.48	20.50
	6	2437		17.00	18.00	15.81	17.00	19.46	20.50
	9	2452		16.81	18.00	15.73	17.00	19.31	20.50
802.11ax HE20	1	2412	MCS0	17.47	18.50	16.75	18.00	20.14	21.50
	6	2437		17.43	18.50	16.62	18.00	20.05	21.50
	11	2462		17.40	18.50	16.38	17.50	19.93	21.00
802.11ax HE40	3	2422	MCS0	15.79	17.00	14.97	16.00	18.41	19.50
	6	2437		15.74	17.00	15.08	16.50	18.43	19.50
	9	2452		15.81	17.00	15.03	16.50	18.45	19.50



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WIFI 2.4G Hotspot				SISO Ant8		SISO Ant10		MIMO	
Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11b	1	2412	1	16.73	18.00	15.75	17.00	19.28	20.50
	6	2437		16.89	18.00	15.96	17.00	19.46	20.50
	11	2462		16.81	18.00	15.68	17.00	19.29	20.50
802.11g	1	2412	6	16.48	17.50	15.55	17.00	19.05	20.50
	6	2437		16.49	17.50	15.83	17.00	19.18	20.50
	11	2462		16.12	17.50	15.74	17.00	18.94	20.00
802.11n HT20	1	2412	6.5	16.46	17.50	15.49	16.50	19.01	20.50
	6	2437		16.46	17.50	15.73	17.00	19.12	20.50
	11	2462		16.44	17.50	15.55	17.00	19.03	20.50
802.11n HT40	3	2422	13.5	16.90	18.00	16.00	17.00	19.48	20.50
	6	2437		17.00	18.00	15.81	17.00	19.46	20.50
	9	2452		16.81	18.00	15.73	17.00	19.31	20.50
802.11ax HE20	1	2412	MCS0	16.81	18.00	15.91	17.00	19.39	20.50
	6	2437		16.92	18.00	15.99	17.00	19.49	20.50
	11	2462		16.83	18.00	15.82	17.00	19.36	20.50
802.11ax HE40	3	2422	MCS0	15.79	17.00	14.97	16.00	18.41	19.50
	6	2437		15.74	17.00	15.08	16.50	18.43	19.50
	9	2452		15.81	17.00	15.03	16.50	18.45	19.50



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8. Conducted Power of WIFI5G

WIFI 5G Head					SISO Ant8		SISO Ant10		MIMO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	13.49	14.50	13.35	14.50	16.43	17.50
		40	5200		13.64	15.00	13.45	14.50	16.56	18.00
		44	5220		13.44	14.50	13.23	14.50	16.35	17.50
		48	5240		13.51	15.00	13.23	14.50	16.38	17.50
	U-NII-2A	52	5260		16.35	17.50	15.50	16.50	18.96	20.00
		56	5280		16.16	17.50	15.38	16.50	18.80	20.00
		60	5300		16.73	18.00	15.86	17.00	19.33	20.50
		64	5320		16.52	18.00	15.82	17.00	19.19	20.50
	U-NII-2C	100	5500		14.01	15.50	13.11	14.50	16.59	18.00
		104	5520		13.99	15.00	12.95	14.00	16.51	18.00
		108	5540		13.94	15.00	12.81	14.00	16.42	17.50
		112	5560		14.00	15.00	12.97	14.00	16.53	18.00
		116	5580		14.16	15.50	13.47	14.50	16.84	18.00
		120	5600		13.96	15.00	13.18	14.50	16.60	18.00
		124	5620		13.67	15.00	13.01	14.50	16.36	17.50
		128	5640		13.63	15.00	12.95	14.00	16.31	17.50
		132	5660		13.61	15.00	12.93	14.00	16.29	17.50
		136	5680		13.65	15.00	13.00	14.00	16.35	17.50
		140	5700		13.99	15.00	13.26	14.50	16.65	18.00
		144	5720		13.93	15.00	13.08	14.50	16.54	18.00
	U-NII-3	149	5745		14.54	16.00	13.98	15.00	17.28	18.50
		153	5765		14.58	16.00	13.91	15.00	17.27	18.50
		157	5785		14.63	16.00	13.98	15.00	17.33	18.50
		161	5805		14.17	15.50	13.75	15.00	16.98	18.00
		165	5825		14.33	15.50	13.86	15.00	17.11	18.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n- HT20	U-NII-1	36	5180	MCS0	13.68	15.00	13.33	14.50	16.52	18.00
		40	5200		13.97	15.00	13.47	14.50	16.74	18.00
		44	5220		13.70	15.00	13.18	14.50	16.46	17.50
		48	5240		13.80	15.00	13.26	14.50	16.55	18.00
	U-NII-2A	52	5260		16.81	18.00	15.79	17.00	19.34	20.50
		56	5280		16.50	17.50	15.56	17.00	19.07	20.50
		60	5300		16.76	18.00	15.93	17.00	19.38	20.50
		64	5320		16.64	18.00	15.65	17.00	19.18	20.50
	U-NII-2C	100	5500		14.09	15.50	13.24	14.50	16.70	18.00
		104	5520		13.97	15.00	13.02	14.50	16.53	18.00
		108	5540		13.90	15.00	13.10	14.50	16.53	18.00
		112	5560		13.87	15.00	12.84	14.00	16.40	17.50
		116	5580		14.31	15.50	13.26	14.50	16.83	18.00
		120	5600		13.89	15.00	13.08	14.50	16.51	18.00
		124	5620		14.00	15.00	13.06	14.50	16.57	18.00
		128	5640		13.92	15.00	12.89	14.00	16.45	17.50
		132	5660		13.89	15.00	12.92	14.00	16.44	17.50

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		136	5680		14.09	15.50	13.01	14.50	16.59	18.00
		140	5700		14.03	15.50	13.19	14.50	16.64	18.00
		144	5720		13.89	15.00	13.07	14.50	16.51	18.00
	U-NII-3	149	5745		14.46	15.50	14.00	15.00	17.25	18.50
		153	5765		14.47	15.50	13.78	15.00	17.15	18.50
		157	5785		14.55	16.00	13.98	15.00	17.28	18.50
		161	5805		14.52	16.00	13.74	15.00	17.16	18.50
		165	5825		14.42	15.50	13.79	15.00	17.13	18.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	16.60	18.00	15.90	17.00	19.27	20.50
		46	5230		16.63	18.00	16.09	17.50	19.38	20.50
	U-NII-2A	54	5270		16.76	18.00	15.94	17.00	19.38	20.50
		62	5310		16.78	18.00	15.96	17.00	19.40	20.50
	U-NII-2C	102	5510		14.29	15.50	13.42	14.50	16.89	18.00
		110	5550		14.29	15.50	13.57	15.00	16.96	18.00
		118	5590		14.10	15.50	13.21	14.50	16.69	18.00
		126	5630		14.03	15.50	13.41	14.50	16.74	18.00
		134	5670		14.33	15.50	13.61	15.00	17.00	18.00
		142	5710		14.15	15.50	13.58	15.00	16.88	18.00
	U-NII-3	151	5755		14.63	16.00	13.87	15.00	17.28	18.50
		159	5795		14.70	16.00	14.10	15.50	17.42	18.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac-VHT20	U-NII-1	36	5180	MCS0	13.78	15.00	13.17	14.50	16.50	17.50
		40	5200		14.02	15.50	13.32	14.50	16.69	18.00
		44	5220		13.59	15.00	13.13	14.50	16.38	17.50
		48	5240		13.92	15.00	13.22	14.50	16.59	18.00
	U-NII-2A	52	5260		16.84	18.00	15.91	17.00	19.41	20.50
		56	5280		16.63	18.00	15.70	17.00	19.20	20.50
		60	5300		16.87	18.00	16.04	17.50	19.49	20.50
		64	5320		16.76	18.00	15.87	17.00	19.35	20.50
	U-NII-2C	100	5500		14.18	15.50	13.21	14.50	16.73	18.00
		104	5520		13.91	15.00	13.05	14.50	16.51	18.00
		108	5540		13.78	15.00	12.89	14.00	16.37	17.50
		112	5560		14.01	15.50	13.12	14.50	16.60	18.00
		116	5580		14.38	15.50	13.48	14.50	16.96	18.00
		120	5600		14.15	15.50	13.04	14.50	16.64	18.00
		124	5620		14.00	15.00	12.78	14.00	16.44	17.50
		128	5640		14.14	15.50	12.96	14.00	16.60	18.00
		132	5660		13.81	15.00	12.92	14.00	16.40	17.50
		136	5680		14.01	15.50	12.90	14.00	16.50	18.00
		140	5700		14.12	15.50	13.14	14.50	16.67	18.00
		144	5720		14.05	15.50	12.92	14.00	16.53	18.00
	U-NII-3	149	5745		14.52	16.00	13.92	15.00	17.24	18.50
		153	5765		14.37	15.50	13.79	15.00	17.10	18.50
		157	5785		14.61	16.00	13.95	15.00	17.30	18.50
		161	5805		14.07	15.50	13.81	15.00	16.95	18.00
		165	5825		14.34	15.50	13.92	15.00	17.15	18.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power	Tune up	Average Power	Tune up	Average Power	Tune up



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					(dBm)		(dBm)		(dBm)	
802.11ac-VHT40	U-NII-1	38	5190	MCS0	16.89	18.00	16.33	17.50	19.63	21.00
		46	5230		16.78	18.00	16.46	17.50	19.63	21.00
	U-NII-2A	54	5270		16.97	18.00	16.28	17.50	19.65	21.00
		62	5310		17.05	18.50	16.44	17.50	19.77	21.00
	U-NII-2C	102	5510		14.52	16.00	13.89	15.00	17.23	18.50
		110	5550		14.59	16.00	13.89	15.00	17.26	18.50
		118	5590		14.48	15.50	13.70	15.00	17.12	18.50
		126	5630		14.47	15.50	13.77	15.00	17.14	18.50
		134	5670		14.55	16.00	13.94	15.00	17.27	18.50
		142	5710		14.45	15.50	13.44	14.50	16.98	18.00
	U-NII-3	151	5755		14.96	16.00	14.52	16.00	17.76	19.00
		159	5795		14.74	16.00	14.55	16.00	17.66	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac VHT80	U-NII-1	42	5210	MCS0	16.92	18.00	16.60	18.00	19.77	21.00
	U-NII-2A	58	5290		17.13	18.50	16.75	18.00	19.95	21.00
	U-NII-2C	106	5530		14.69	16.00	14.41	15.50	17.56	19.00
		122	5610		14.56	16.00	14.31	15.50	17.45	18.50
		138	5690		14.60	16.00	14.36	15.50	17.49	18.50
	U-NII-3	155	5775		15.05	16.50	14.60	16.00	17.84	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-HE20	U-NII-1	36	5180	MCS0	13.93	15.00	13.81	15.00	16.88	18.00
		40	5200		13.97	15.00	14.00	15.00	17.00	18.00
		44	5220		13.59	15.00	13.59	15.00	16.60	18.00
		48	5240		13.79	15.00	13.77	15.00	16.79	18.00
	U-NII-2A	52	5260		17.01	18.50	15.89	17.00	19.50	20.50
		56	5280		16.66	18.00	15.69	17.00	19.21	20.50
		60	5300		17.05	18.50	16.12	17.50	19.62	21.00
		64	5320		16.85	18.00	16.00	17.00	19.46	20.50
	U-NII-2C	100	5500		14.61	16.00	13.78	15.00	17.23	18.50
		104	5520		14.46	15.50	13.70	15.00	17.11	18.50
		108	5540		14.45	15.50	13.59	15.00	17.05	18.50
		112	5560		14.29	15.50	13.43	14.50	16.89	18.00
		116	5580		14.58	16.00	13.95	15.00	17.29	18.50
		120	5600		14.45	15.50	13.25	14.50	16.90	18.00
		124	5620		14.31	15.50	13.41	14.50	16.89	18.00
		128	5640		14.36	15.50	13.24	14.50	16.85	18.00
		132	5660		14.51	16.00	13.64	15.00	17.11	18.50
		136	5680		14.14	15.50	13.40	14.50	16.80	18.00
		140	5700		14.51	16.00	13.75	15.00	17.16	18.50
		144	5720		14.28	15.50	13.59	15.00	16.96	18.00
	U-NII-3	149	5745		14.77	16.00	14.23	15.50	17.52	19.00
		153	5765		14.81	16.00	14.21	15.50	17.53	19.00
		157	5785		14.72	16.00	14.41	15.50	17.58	19.00
		161	5805		14.39	15.50	14.20	15.50	17.31	18.50
		165	5825		14.51	16.00	14.27	15.50	17.40	18.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up



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802.11ax-HE40	U-NII-1	38	5190	MCS0	16.82	18.00	16.04	17.50	19.46	20.50
		46	5230		16.91	18.00	16.26	17.50	19.61	21.00
	U-NII-2A	54	5270		16.76	18.00	16.08	17.50	19.44	20.50
		62	5310		16.82	18.00	16.26	17.50	19.56	21.00
	U-NII-2C	102	5510		14.54	16.00	13.78	15.00	17.19	18.50
		110	5550		14.48	15.50	13.85	15.00	17.19	18.50
		118	5590		14.36	15.50	13.56	15.00	16.99	18.00
		126	5630		14.35	15.50	13.47	14.50	16.94	18.00
		134	5670		14.53	16.00	13.62	15.00	17.11	18.50
		142	5710		14.35	15.50	13.49	14.50	16.95	18.00
	U-NII-3	151	5755		14.59	16.00	14.36	15.50	17.49	18.50
		159	5795		14.57	16.00	14.41	15.50	17.50	19.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax HE80	U-NII-1	42	5210	MCS0	16.81	18.00	16.34	17.50	19.59	21.00
	U-NII-2A	58	5290		16.77	18.00	16.31	17.50	19.56	21.00
	U-NII-2C	106	5530		14.49	15.50	13.89	15.00	17.21	18.50
		122	5610		14.40	15.50	13.96	15.00	17.20	18.50
		138	5690		14.49	15.50	14.27	15.50	17.39	18.50
	U-NII-3	155	5775		14.69	16.00	14.32	15.50	17.52	19.00

WIFI 5G Body worn & Hotspot					SISO Ant8		SISO Ant10		MIMO	
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11a	U-NII-1	36	5180	6	13.49	14.50	13.35	14.50	16.43	17.50
		40	5200		13.64	15.00	13.45	14.50	16.56	18.00
		44	5220		13.44	14.50	13.23	14.50	16.35	17.50
		48	5240		13.51	15.00	13.23	14.50	16.38	17.50
	U-NII-2A	52	5260		16.35	17.50	15.50	16.50	18.96	20.00
		56	5280		16.16	17.50	15.38	16.50	18.80	20.00
		60	5300		16.73	18.00	15.86	17.00	19.33	20.50
		64	5320		16.52	18.00	15.82	17.00	19.19	20.50
	U-NII-2C	100	5500		16.64	18.00	15.69	17.00	19.20	20.50
		104	5520		16.63	18.00	15.44	16.50	19.09	20.50
		108	5540		16.49	17.50	15.34	16.50	18.96	20.00
		112	5560		16.46	17.50	15.40	16.50	18.97	20.00
		116	5580		16.70	18.00	15.94	17.00	19.35	20.50
		120	5600		16.41	17.50	15.64	17.00	19.05	20.50
		124	5620		16.21	17.50	15.51	17.00	18.88	20.00
		128	5640		16.21	17.50	15.43	16.50	18.85	20.00
		132	5660		16.12	17.50	15.45	16.50	18.81	20.00
		136	5680		16.25	17.50	15.51	17.00	18.91	20.00
		140	5700		16.58	18.00	15.79	17.00	19.21	20.50
		144	5720		16.50	17.50	15.69	17.00	19.12	20.50
	U-NII-3	149	5745		16.59	18.00	15.96	17.00	19.30	20.50
		153	5765		16.51	18.00	15.90	17.00	19.23	20.50
		157	5785		16.66	18.00	16.00	17.00	19.35	20.50
		161	5805		16.18	17.50	15.71	17.00	18.96	20.00
		165	5825		16.34	17.50	15.79	17.00	19.08	20.50

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5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT20	U-NII-1	36	5180	MCS0	13.68	15.00	13.33	14.50	16.52	18.00
		40	5200		13.97	15.00	13.47	14.50	16.74	18.00
		44	5220		13.70	15.00	13.18	14.50	16.46	17.50
		48	5240		13.80	15.00	13.26	14.50	16.55	18.00
	U-NII-2A	52	5260		16.81	18.00	15.79	17.00	19.34	20.50
		56	5280		16.50	17.50	15.56	17.00	19.07	20.50
		60	5300		16.76	18.00	15.93	17.00	19.38	20.50
		64	5320		16.64	18.00	15.65	17.00	19.18	20.50
	U-NII-2C	100	5500		16.63	18.00	15.74	17.00	19.22	20.50
		104	5520		16.49	17.50	15.45	16.50	19.01	20.50
		108	5540		16.42	17.50	15.51	17.00	19.00	20.00
		112	5560		16.41	17.50	15.39	16.50	18.94	20.00
		116	5580		16.80	18.00	15.84	17.00	19.36	20.50
		120	5600		16.38	17.50	15.51	17.00	18.98	20.00
		124	5620		16.54	18.00	15.57	17.00	19.09	20.50
		128	5640		16.45	17.50	15.42	16.50	18.98	20.00
		132	5660		16.43	17.50	15.53	17.00	19.01	20.50
		136	5680		16.52	18.00	15.48	16.50	19.04	20.50
		140	5700		16.67	18.00	15.70	17.00	19.22	20.50
		144	5720		16.39	17.50	15.59	17.00	19.02	20.50
	U-NII-3	149	5745		16.50	17.50	15.99	17.00	19.26	20.50
		153	5765		16.40	17.50	15.79	17.00	19.12	20.50
		157	5785		16.55	18.00	16.02	17.50	19.30	20.50
		161	5805		16.51	18.00	15.68	17.00	19.13	20.50
		165	5825		16.37	17.50	15.77	17.00	19.09	20.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11n-HT40	U-NII-1	38	5190	MCS0	16.60	18.00	15.90	17.00	19.27	20.50
		46	5230		16.63	18.00	16.09	17.50	19.38	20.50
	U-NII-2A	54	5270		16.76	18.00	15.94	17.00	19.38	20.50
		62	5310		16.78	18.00	15.96	17.00	19.40	20.50
	U-NII-2C	102	5510		16.78	18.00	15.92	17.00	19.38	20.50
		110	5550		16.88	18.00	16.01	17.50	19.48	20.50
		118	5590		16.57	18.00	15.80	17.00	19.21	20.50
		126	5630		16.58	18.00	15.90	17.00	19.26	20.50
		134	5670		16.78	18.00	16.12	17.50	19.47	20.50
		142	5710		16.71	18.00	16.13	17.50	19.44	20.50
	U-NII-3	151	5755		16.57	18.00	15.83	17.00	19.23	20.50
		159	5795		16.73	18.00	16.03	17.50	19.40	20.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac-VHT20	U-NII-1	36	5180	MCS0	13.78	15.00	13.17	14.50	16.50	17.50
		40	5200		14.02	15.50	13.32	14.50	16.69	18.00
		44	5220		13.59	15.00	13.13	14.50	16.38	17.50
		48	5240		13.92	15.00	13.22	14.50	16.59	18.00
	U-NII-	52	5260		16.84	18.00	15.91	17.00	19.41	20.50



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	2A	56	5280		16.63	18.00	15.70	17.00	19.20	20.50
		60	5300		16.87	18.00	16.04	17.50	19.49	20.50
		64	5320		16.76	18.00	15.87	17.00	19.35	20.50
	U-NII-2C	100	5500		16.83	18.00	15.68	17.00	19.30	20.50
		104	5520		16.37	17.50	15.54	17.00	18.99	20.00
		108	5540		16.40	17.50	15.50	16.50	18.98	20.00
		112	5560		16.48	17.50	15.65	17.00	19.10	20.50
		116	5580		16.96	18.00	15.91	17.00	19.48	20.50
		120	5600		16.71	18.00	15.51	17.00	19.16	20.50
		124	5620		16.44	17.50	15.38	16.50	18.95	20.00
		128	5640		16.54	18.00	15.45	16.50	19.04	20.50
		132	5660		16.39	17.50	15.48	16.50	18.97	20.00
		136	5680		16.54	18.00	15.42	16.50	19.03	20.50
		140	5700		16.69	18.00	15.71	17.00	19.24	20.50
		144	5720		16.51	18.00	15.40	16.50	19.00	20.50
	U-NII-3	149	5745		16.49	17.50	15.86	17.00	19.20	20.50
		153	5765		16.36	17.50	15.74	17.00	19.07	20.50
		157	5785		16.56	18.00	15.97	17.00	19.29	20.50
		161	5805		16.10	17.50	15.85	17.00	18.99	20.00
		165	5825		16.26	17.50	15.88	17.00	19.08	20.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac-VHT40	U-NII-1	38	5190	MCS0	16.89	18.00	16.33	17.50	19.63	21.00
		46	5230		16.78	18.00	16.46	17.50	19.63	21.00
	U-NII-2A	54	5270		16.97	18.00	16.28	17.50	19.65	21.00
		62	5310		17.05	18.50	16.44	17.50	19.77	21.00
	U-NII-2C	102	5510		17.07	18.50	16.38	17.50	19.75	21.00
		110	5550		17.08	18.50	16.43	17.50	19.78	21.00
		118	5590		17.02	18.50	16.19	17.50	19.64	21.00
		126	5630		17.13	18.50	16.32	17.50	19.75	21.00
		134	5670		17.02	18.50	16.45	17.50	19.75	21.00
		142	5710		17.06	18.50	16.06	17.50	19.60	21.00
	U-NII-3	151	5755		16.99	18.00	16.47	17.50	19.75	21.00
		159	5795		16.79	18.00	16.52	18.00	19.67	21.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ac VHT80	U-NII-1	42	5210	MCS0	16.92	18.00	16.60	18.00	19.77	21.00
	U-NII-2A	58	5290		17.13	18.50	16.75	18.00	19.95	21.00
	U-NII-2C	106	5530		17.18	18.50	16.89	18.00	20.05	21.50
		122	5610		17.01	18.50	16.77	18.00	19.90	21.00
		138	5690		17.08	18.50	16.82	18.00	19.96	21.00
	U-NII-3	155	5775		17.03	18.50	16.59	18.00	19.83	21.00
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-HE20	U-NII-1	36	5180	MCS0	13.93	15.00	13.81	15.00	16.88	18.00
		40	5200		13.97	15.00	14.00	15.00	17.00	18.00
		44	5220		13.59	15.00	13.59	15.00	16.60	18.00
		48	5240		13.79	15.00	13.77	15.00	16.79	18.00



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	U-NII-2A	52	5260		17.01	18.50	15.89	17.00	19.50	20.50
		56	5280		16.66	18.00	15.69	17.00	19.21	20.50
		60	5300		17.05	18.50	16.12	17.50	19.62	21.00
		64	5320		16.85	18.00	16.00	17.00	19.46	20.50
	U-NII-2C	100	5500		17.07	18.50	16.37	17.50	19.74	21.00
		104	5520		16.87	18.00	16.13	17.50	19.53	21.00
		108	5540		16.97	18.00	16.14	17.50	19.59	21.00
		112	5560		16.83	18.00	15.91	17.00	19.40	20.50
		116	5580		17.01	18.50	16.48	17.50	19.76	21.00
		120	5600		16.98	18.00	15.78	17.00	19.43	20.50
		124	5620		16.94	18.00	16.01	17.50	19.51	21.00
		128	5640		16.86	18.00	15.75	17.00	19.35	20.50
		132	5660		16.99	18.00	16.07	17.50	19.56	21.00
		136	5680		16.62	18.00	15.89	17.00	19.28	20.50
		140	5700		17.09	18.50	16.24	17.50	19.70	21.00
		144	5720		16.86	18.00	16.08	17.50	19.50	20.50
	U-NII-3	149	5745		16.73	18.00	16.25	17.50	19.51	21.00
		153	5765		16.74	18.00	16.22	17.50	19.50	20.50
		157	5785		16.74	18.00	16.41	17.50	19.59	21.00
		161	5805		16.37	17.50	16.22	17.50	19.31	20.50
		165	5825		16.48	17.50	16.28	17.50	19.39	20.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-HE40	U-NII-1	38	5190	MCS0	16.82	18.00	16.04	17.50	19.46	20.50
		46	5230		16.91	18.00	16.26	17.50	19.61	21.00
	U-NII-2A	54	5270		16.76	18.00	16.08	17.50	19.44	20.50
		62	5310		16.82	18.00	16.26	17.50	19.56	21.00
	U-NII-2C	102	5510		17.03	18.50	16.26	17.50	19.67	21.00
		110	5550		17.02	18.50	16.39	17.50	19.73	21.00
		118	5590		16.90	18.00	16.09	17.50	19.52	21.00
		126	5630		16.88	18.00	16.07	17.50	19.50	21.00
		134	5670		17.08	18.50	16.17	17.50	19.66	21.00
		142	5710		16.92	18.00	16.05	17.50	19.52	21.00
	U-NII-3	151	5755		16.54	18.00	16.29	17.50	19.43	20.50
		159	5795		16.57	18.00	16.40	17.50	19.50	20.50
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-HE80	U-NII-1	42	5210	MCS0	16.81	18.00	16.34	17.50	19.59	21.00
	U-NII-2A	58	5290		16.77	18.00	16.31	17.50	19.56	21.00
	U-NII-2C	106	5530		17.09	18.50	16.37	17.50	19.76	21.00
		122	5610		16.91	18.00	16.43	17.50	19.69	21.00
		138	5690		17.01	18.50	16.78	18.00	19.91	21.00
	U-NII-3	155	5775		16.74	18.00	16.34	17.50	19.55	21.00



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9. Conducted Power of WIFI6G

WIFI 6G				SISO Ant8		SISO Ant10		MIMO	
mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up	Average Power (dBm)	Tune up
802.11ax-HE20	1	5955	MCS0	3.01	4.50	2.85	4.00	5.94	7.00
	97	6435		3.26	4.50	2.90	4.00	6.09	7.50
	117	6535		4.12	5.50	3.72	5.00	6.93	8.00
	189	6895		4.03	5.50	3.64	5.00	6.85	8.00
	233	7115		3.76	5.00	3.76	5.00	6.77	8.00
802.11ax-HE40	3	5965	MCS0	7.01	8.50	6.41	7.50	9.73	11.00
	99	6445		7.63	9.00	7.12	8.50	10.39	11.50
	147	6685		7.84	9.00	7.21	8.50	10.55	12.00
	195	6925		7.69	9.00	7.06	8.50	10.40	11.50
	227	7085		7.37	8.50	6.98	8.00	10.19	11.50
802.11ax-HE80	7	5985	MCS0	11.72	13.00	11.12	12.50	14.44	15.50
	103	6465		11.64	13.00	11.41	12.50	14.54	16.00
	151	6705		11.82	13.00	11.48	12.50	14.66	16.00
	199	6945		11.79	13.00	11.16	12.50	14.50	15.50
	215	7025		11.74	13.00	11.14	12.50	14.46	15.50



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10. Conducted Power of Bluetooth

BT Ant8		Average Conducted Power(dBm)			
Band	Channel	0	39	78	Tune up
BT	GFSK	7.75	7.93	7.62	9.0
	$\pi/4$ DQPSK	6.17	6.31	6.06	7.5
	8DPSK	6.13	6.36	6.02	7.5
Band	Channel	0	19	39	Tune up
BLE	GFSK	7.34	7.81	6.96	9.0
BLE	GFSK	7.47	7.68	7.21	9.0