

Appendix A - Conducted Power Measurements

<Laptop Mode MAX Tune-up Power>

WCDMA Band		Maximum Tune-up
II	RMC12.2K	24.5
	HSDPA DC-HSDPA	24.5
	HSUPA HSPA+	24.5
IV	RMC12.2K	24.5
	HSDPA DC-HSDPA	24.5
	HSUPA HSPA+	24.5
V	RMC12.2K	24.5
	HSDPA DC-HSDPA	24.5
	HSUPA HSPA+	24.5

LTE Band		Maximum Tune-up
2	FDD	24
4	FDD	24
5	FDD	25
7	FDD	24
12	FDD	25
13	FDD	25
14	FDD	25
17	FDD	25
25	FDD	24
26	FDD	25
30	FDD	23
38	TDD	24
41_PC3	TDD	24
41_PC2	TDD	27
48	TDD	22
66	FDD	24
71	FDD	25

	Uplink Channel	9262	9400	9538	Tune up (dBm)	MPR
	Uplink Frequency	1852.4	1880.0	1907.6		
WCDMA II	RMC_12.2Kbps	24.31	24.37	24.28	24.5	-
	HSDPA_Subtest 1	24.26	24.33	24.22	24.5	0
	HSDPA_Subtest 2	24.23	24.3	24.18	24.5	0
	HSDPA_Subtest 3	23.78	23.83	23.72	24	0-0.5
	HSDPA_Subtest 4	23.74	23.79	23.68	24	0-0.5
	HSUPA_Subtest 1	24.3	24.35	24.24	24.5	0
	HSUPA_Subtest 2	22.34	22.38	22.3	22.5	0-2
	HSUPA_Subtest 3	23.31	23.36	23.26	23.5	0-1
	HSUPA_Subtest 4	22.29	22.35	22.23	22.5	0-2
	HSUPA_Subtest 5	24.31	24.34	24.25	24.5	0
	DC-HSDPA_Subtest 1	24.22	24.28	24.17	24.5	0
	DC-HSDPA_Subtest 2	24.28	24.32	24.21	24.5	0
	DC-HSDPA_Subtest 3	23.83	23.86	23.77	24	0-0.5
	DC-HSDPA_Subtest 4	23.74	23.78	23.69	24	0-0.5
	HSPA+_Subtest 1	21.76	21.82	21.72	22	0-2.5

	Uplink Channel	1312	1413	1513	Tune up (dBm)	MPR
	Uplink Frequency	1712.4	1732.6	1752.6		
WCDMA IV	RMC_12.2Kbps	24.04	24.09	23.98	24.5	-
	HSDPA_Subtest 1	24.02	24.06	23.94	24.5	0
	HSDPA_Subtest 2	23.97	24.01	23.92	24.5	0
	HSDPA_Subtest 3	23.56	23.6	23.52	24	0-0.5
	HSDPA_Subtest 4	23.49	23.53	23.44	24	0-0.5
	HSUPA_Subtest 1	23.94	23.99	23.9	24.5	0
	HSUPA_Subtest 2	22.03	22.06	21.98	22.5	0-2
	HSUPA_Subtest 3	22.96	23	22.91	23.5	0-1
	HSUPA_Subtest 4	21.97	22.02	21.94	22.5	0-2
	HSUPA_Subtest 5	24	24.05	23.95	24.5	0
	DC-HSDPA_Subtest 1	24.04	24.07	23.97	24.5	0
	DC-HSDPA_Subtest 2	23.93	23.97	23.88	24.5	0
	DC-HSDPA_Subtest 3	23.51	23.55	23.44	24	0-0.5
	DC-HSDPA_Subtest 4	23.46	23.52	23.4	24	0-0.5
	HSPA+_Subtest 1	21.44	21.48	21.39	22	0-2.5

	Uplink Channel	4132	4182	4233	Tune up (dBm)	MPR
	Uplink Frequency	826.4	836.4	846.6		
WCDMA V	RMC_12.2Kbps	23.91	23.93	23.88	24.5	-
	HSDPA_Subtest 1	23.82	23.86	23.8	24.5	0
	HSDPA_Subtest 2	23.82	23.85	23.79	24.5	0
	HSDPA_Subtest 3	23.54	23.59	23.51	24	0-0.5
	HSDPA_Subtest 4	23.5	23.54	23.42	24	0-0.5
	HSUPA_Subtest 1	23.79	23.83	23.74	24.5	0
	HSUPA_Subtest 2	22.23	22.29	22.18	22.5	0-2
	HSUPA_Subtest 3	23.2	23.27	23.17	23.5	0-1
	HSUPA_Subtest 4	22.26	22.33	22.18	22.5	0-2
	HSUPA_Subtest 5	23.85	23.88	23.8	24.5	0
	DC-HSDPA_Subtest 1	23.81	23.84	23.77	24.5	0
	DC-HSDPA_Subtest 2	23.84	23.86	23.81	24.5	0
	DC-HSDPA_Subtest 3	23.53	23.59	23.49	24	0-0.5
	DC-HSDPA_Subtest 4	23.5	23.54	23.44	24	0-0.5
	HSPA+_Subtest 1	21.57	21.64	21.52	22	0-2.5

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18700	18900	19100	Channel				
1860	1880	1900	Freq. (MHz)				
23.40	23.45	23.31	24	QPSK	20MHz	1	0
23.29	23.33	23.23	24	QPSK	20MHz	1	49
23.34	23.38	23.25	24	QPSK	20MHz	1	99
22.40	22.46	22.31	23	QPSK	20MHz	50	0
22.38	22.44	22.27	23	QPSK	20MHz	50	25
22.37	22.41	22.25	23	QPSK	20MHz	50	50
22.40	22.45	22.32	23	QPSK	20MHz	100	0
22.71	22.73	22.58	23	16QAM	20MHz	1	0
22.53	22.60	22.53	23	16QAM	20MHz	1	49
22.57	22.62	22.32	23	16QAM	20MHz	1	99
21.42	21.47	21.34	22	16QAM	20MHz	50	0
21.40	21.45	21.31	22	16QAM	20MHz	50	25
21.38	21.42	21.29	22	16QAM	20MHz	50	50
21.42	21.44	21.30	22	16QAM	20MHz	100	0

LTE Band 2								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
18675	18900	19125	Channel					
1857.5	1880	1902.5	Freq. (MHz)					
23.30	23.42	23.23	24	QPSK	15MHz	1	0	
23.26	23.27	23.21	24	QPSK	15MHz	1	37	
23.32	23.37	23.25	24	QPSK	15MHz	1	74	
22.32	22.37	22.22	23	QPSK	15MHz	36	0	
22.32	22.43	22.17	23	QPSK	15MHz	36	19	
22.32	22.32	22.23	23	QPSK	15MHz	36	39	
22.40	22.37	22.22	23	QPSK	15MHz	75	0	
22.62	22.65	22.51	23	16QAM	15MHz	1	0	
22.44	22.58	22.53	23	16QAM	15MHz	1	37	
22.48	22.55	22.23	23	16QAM	15MHz	1	74	
21.39	21.39	21.28	22	16QAM	15MHz	36	0	
21.31	21.44	21.23	22	16QAM	15MHz	36	19	
21.34	21.35	21.26	22	16QAM	15MHz	36	39	
21.32	21.40	21.22	22	16QAM	15MHz	75	0	

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18650	18900	19150	Channel				
1855	1880	1905	Freq. (MHz)				
23.36	23.39	23.06	24	QPSK	10MHz	1	0
23.18	23.19	23.18	24	QPSK	10MHz	1	24
23.18	23.35	23.14	24	QPSK	10MHz	1	49
22.28	22.37	22.14	23	QPSK	10MHz	25	0
22.24	22.40	22.19	23	QPSK	10MHz	25	12
22.27	22.29	22.21	23	QPSK	10MHz	25	25
22.37	22.39	22.11	23	QPSK	10MHz	50	0
22.61	22.67	22.36	23	16QAM	10MHz	1	0
22.40	22.43	22.50	23	16QAM	10MHz	1	24
22.38	22.51	22.21	23	16QAM	10MHz	1	49
21.35	21.44	21.19	22	16QAM	10MHz	25	0
21.22	21.39	21.09	22	16QAM	10MHz	25	12
21.20	21.33	21.06	22	16QAM	10MHz	25	25
21.32	21.36	21.20	22	16QAM	10MHz	50	0

LTE Band 2								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
18625	18900	19175	Channel					
1852.5	1880	1907.5	Freq. (MHz)					
23.26	23.41	23.20	24	QPSK	5MHz	1	0	
23.13	23.13	23.19	24	QPSK	5MHz	1	12	
23.17	23.31	22.97	24	QPSK	5MHz	1	24	
22.32	22.34	22.10	23	QPSK	5MHz	12	0	
22.21	22.35	22.10	23	QPSK	5MHz	12	6	
22.33	22.24	21.97	23	QPSK	5MHz	12	13	
22.38	22.25	21.95	23	QPSK	5MHz	25	0	
22.51	22.60	22.43	23	16QAM	5MHz	1	0	
22.32	22.45	22.34	23	16QAM	5MHz	1	12	
22.39	22.47	22.15	23	16QAM	5MHz	1	24	
21.34	21.36	21.26	22	16QAM	5MHz	12	0	
21.18	21.32	21.16	22	16QAM	5MHz	12	6	
21.24	21.29	21.18	22	16QAM	5MHz	12	13	
21.33	21.29	21.09	22	16QAM	5MHz	25	0	

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18615	18900	19185	Channel				
1851.5	1880	1908.5	Freq. (MHz)				
23.34	23.38	23.29	24	QPSK	3MHz	1	0
23.15	23.19	23.10	24	QPSK	3MHz	1	7
23.28	23.35	23.23	24	QPSK	3MHz	1	14
22.28	22.38	22.29	23	QPSK	3MHz	8	0
22.17	22.29	22.19	23	QPSK	3MHz	8	3
22.31	22.25	22.25	23	QPSK	3MHz	8	7
22.21	22.37	22.14	23	QPSK	3MHz	15	0
22.61	22.55	22.48	23	16QAM	3MHz	1	0
22.34	22.48	22.34	23	16QAM	3MHz	1	7
22.45	22.52	22.17	23	16QAM	3MHz	1	14
21.24	21.33	21.16	22	16QAM	3MHz	8	0
21.25	21.43	21.22	22	16QAM	3MHz	8	3
21.32	21.34	21.10	22	16QAM	3MHz	8	7
21.33	21.27	21.18	22	16QAM	3MHz	15	0

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18607	18900	19193	Channel				
1850.7	1880	1909.3	Freq. (MHz)				
23.35	23.43	23.23	24	QPSK	1.4MHz	1	0
23.15	23.11	23.18	24	QPSK	1.4MHz	1	2
23.15	23.25	23.04	24	QPSK	1.4MHz	1	5
23.32	23.30	23.24	24	QPSK	1.4MHz	3	0
23.15	23.29	23.18	24	QPSK	1.4MHz	3	1
23.30	23.39	23.07	24	QPSK	1.4MHz	3	3
22.30	22.28	22.26	23	QPSK	1.4MHz	6	0
22.60	22.68	22.42	23	16QAM	1.4MHz	1	0
22.42	22.49	22.39	23	16QAM	1.4MHz	1	2
22.48	22.42	22.25	23	16QAM	1.4MHz	1	5
22.35	22.30	22.17	23	16QAM	1.4MHz	3	0
22.33	22.34	22.16	23	16QAM	1.4MHz	3	1
22.19	22.31	22.17	23	16QAM	1.4MHz	3	3
21.19	21.28	21.14	22	16QAM	1.4MHz	6	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20050	20175	20300	Channel				
1720	1732.5	1745	Freq. (MHz)				
23.33	23.40	23.36	24	QPSK	20MHz	1	0
23.30	23.37	23.33	24	QPSK	20MHz	1	49
23.27	23.36	23.31	24	QPSK	20MHz	1	99
22.32	22.40	22.36	23	QPSK	20MHz	50	0
22.30	22.39	22.35	23	QPSK	20MHz	50	25
22.29	22.35	22.32	23	QPSK	20MHz	50	50
22.40	22.47	22.44	23	QPSK	20MHz	100	0
22.68	22.73	22.70	23	16QAM	20MHz	1	0
22.64	22.71	22.68	23	16QAM	20MHz	1	49
22.62	22.70	22.66	23	16QAM	20MHz	1	99
21.40	21.46	21.43	22	16QAM	20MHz	50	0
21.38	21.45	21.41	22	16QAM	20MHz	50	25
21.36	21.43	21.39	22	16QAM	20MHz	50	50
21.40	21.46	21.43	22	16QAM	20MHz	100	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20025	20175	20325	Channel				
1717.5	1732.5	1747.5	Freq. (MHz)				
23.27	23.34	23.29	24	QPSK	15MHz	1	0
23.27	23.34	23.29	24	QPSK	15MHz	1	37
23.24	23.35	23.25	24	QPSK	15MHz	1	74
22.31	22.35	22.29	23	QPSK	15MHz	36	0
22.27	22.32	22.33	23	QPSK	15MHz	36	19
22.28	22.30	22.30	23	QPSK	15MHz	36	39
22.36	22.42	22.37	23	QPSK	15MHz	75	0
22.68	22.67	22.61	23	16QAM	15MHz	1	0
22.64	22.64	22.58	23	16QAM	15MHz	1	37
22.62	22.66	22.64	23	16QAM	15MHz	1	74
21.30	21.45	21.43	22	16QAM	15MHz	36	0
21.37	21.42	21.31	22	16QAM	15MHz	36	19
21.26	21.41	21.32	22	16QAM	15MHz	36	39
21.38	21.37	21.36	22	16QAM	15MHz	75	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20000	20175	20350	Channel				
1715	1732.5	1750	Freq. (MHz)				
23.24	23.26	23.21	24	QPSK	10MHz	1	0
23.12	23.34	23.14	24	QPSK	10MHz	1	24
23.12	23.27	23.15	24	QPSK	10MHz	1	49
22.18	22.16	22.13	23	QPSK	10MHz	25	0
22.15	22.29	22.17	23	QPSK	10MHz	25	12
22.10	22.26	22.16	23	QPSK	10MHz	25	25
22.25	22.30	22.33	23	QPSK	10MHz	50	0
22.45	22.59	22.60	23	16QAM	10MHz	1	0
22.63	22.51	22.54	23	16QAM	10MHz	1	24
22.45	22.68	22.45	23	16QAM	10MHz	1	49
21.23	21.34	21.28	22	16QAM	10MHz	25	0
21.23	21.28	21.35	22	16QAM	10MHz	25	12
21.11	21.40	21.26	22	16QAM	10MHz	25	25
21.27	21.38	21.34	22	16QAM	10MHz	50	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
19975	20175	20375	Channel				
1712.5	1732.5	1752.5	Freq. (MHz)				
23.16	23.31	23.22	24	QPSK	5MHz	1	0
23.17	23.25	23.16	24	QPSK	5MHz	1	12
23.19	23.22	23.23	24	QPSK	5MHz	1	24
22.19	22.20	22.31	23	QPSK	5MHz	12	0
22.17	22.19	22.03	23	QPSK	5MHz	12	6
22.12	22.24	22.12	23	QPSK	5MHz	12	13
22.26	22.35	22.31	23	QPSK	5MHz	25	0
22.55	22.51	22.66	23	16QAM	5MHz	1	0
22.51	22.55	22.48	23	16QAM	5MHz	1	12
22.60	22.62	22.47	23	16QAM	5MHz	1	24
21.25	21.34	21.33	22	16QAM	5MHz	12	0
21.19	21.28	21.38	22	16QAM	5MHz	12	6
21.19	21.34	21.23	22	16QAM	5MHz	12	13
21.23	21.32	21.38	22	16QAM	5MHz	25	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
19965	20175	20385	Channel				
1711.5	1732.5	1753.5	Freq. (MHz)				
23.18	23.34	23.16	24	QPSK	3MHz	1	0
23.16	23.15	23.08	24	QPSK	3MHz	1	7
23.18	23.17	23.10	24	QPSK	3MHz	1	14
22.19	22.28	22.29	23	QPSK	3MHz	8	0
22.19	22.26	22.14	23	QPSK	3MHz	8	3
22.12	22.12	22.21	23	QPSK	3MHz	8	7
22.33	22.31	22.31	23	QPSK	3MHz	15	0
22.59	22.60	22.59	23	16QAM	3MHz	1	0
22.52	22.62	22.61	23	16QAM	3MHz	1	7
22.57	22.57	22.65	23	16QAM	3MHz	1	14
21.24	21.33	21.34	22	16QAM	3MHz	8	0
21.26	21.36	21.35	22	16QAM	3MHz	8	3
21.15	21.38	21.15	22	16QAM	3MHz	8	7
21.33	21.38	21.19	22	16QAM	3MHz	15	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
19957	20175	20393	Channel				
1710.7	1732.5	1754.3	Freq. (MHz)				
23.24	23.25	23.30	24	QPSK	1.4MHz	1	0
23.15	23.27	23.19	24	QPSK	1.4MHz	1	2
23.18	23.29	23.15	24	QPSK	1.4MHz	1	5
23.18	23.21	23.21	24	QPSK	1.4MHz	3	0
23.25	23.23	23.19	24	QPSK	1.4MHz	3	1
23.05	23.23	23.27	24	QPSK	1.4MHz	3	3
22.20	22.36	22.42	23	QPSK	1.4MHz	6	0
22.46	22.68	22.68	23	16QAM	1.4MHz	1	0
22.54	22.62	22.51	23	16QAM	1.4MHz	1	2
22.45	22.52	22.60	23	16QAM	1.4MHz	1	5
22.20	22.23	22.22	23	16QAM	1.4MHz	3	0
22.23	22.34	22.36	23	16QAM	1.4MHz	3	1
22.20	22.34	22.22	23	16QAM	1.4MHz	3	3
21.28	21.28	21.35	22	16QAM	1.4MHz	6	0

LTE Band 5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20450	20525	20600	Channel				
829	836.5	844	Freq. (MHz)				
23.81	23.90	23.88	25	QPSK	10MHz	1	0
23.77	23.85	23.82	25	QPSK	10MHz	1	24
23.74	23.82	23.79	25	QPSK	10MHz	1	49
23.02	23.09	23.07	24	QPSK	10MHz	25	0
22.96	23.04	23.00	24	QPSK	10MHz	25	12
22.91	23.00	22.97	24	QPSK	10MHz	25	25
22.98	23.07	23.02	24	QPSK	10MHz	50	0
22.80	22.85	22.82	24	16QAM	10MHz	1	0
22.72	22.82	22.79	24	16QAM	10MHz	1	24
22.73	22.79	22.75	24	16QAM	10MHz	1	49
21.98	22.07	22.03	23	16QAM	10MHz	25	0
21.95	22.03	21.99	23	16QAM	10MHz	25	12
21.90	21.99	21.96	23	16QAM	10MHz	25	25
22.00	22.09	22.05	23	16QAM	10MHz	50	0

LTE Band 5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20425	20525	20625	Channel				
826.5	836.5	846.5	Freq. (MHz)				
23.60	23.88	23.50	25	QPSK	5MHz	1	0
23.59	23.64	23.61	25	QPSK	5MHz	1	12
23.59	23.76	23.65	25	QPSK	5MHz	1	24
22.91	23.08	22.86	24	QPSK	5MHz	12	0
22.79	22.91	22.89	24	QPSK	5MHz	12	6
22.87	22.90	22.93	24	QPSK	5MHz	12	13
22.76	22.91	22.96	24	QPSK	5MHz	25	0
22.63	22.75	22.69	24	16QAM	5MHz	1	0
22.66	22.79	22.62	24	16QAM	5MHz	1	12
22.65	22.76	22.74	24	16QAM	5MHz	1	24
21.78	21.87	21.89	23	16QAM	5MHz	12	0
21.86	21.85	21.81	23	16QAM	5MHz	12	6
21.79	21.85	21.86	23	16QAM	5MHz	12	13
21.86	22.00	21.85	23	16QAM	5MHz	25	0

LTE Band 5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20415	20525	20635	Channel				
825.5	836.5	847.5	Freq. (MHz)				
23.65	23.77	23.84	25	QPSK	3MHz	1	0
23.66	23.81	23.72	25	QPSK	3MHz	1	7
23.51	23.62	23.69	25	QPSK	3MHz	1	14
22.89	23.01	23.00	24	QPSK	3MHz	8	0
22.83	22.95	22.90	24	QPSK	3MHz	8	3
22.86	22.89	22.92	24	QPSK	3MHz	8	7
22.80	22.94	22.86	24	QPSK	3MHz	15	0
22.73	22.76	22.68	24	16QAM	3MHz	1	0
22.63	22.73	22.55	24	16QAM	3MHz	1	7
22.65	22.78	22.61	24	16QAM	3MHz	1	14
21.86	21.88	21.89	23	16QAM	3MHz	8	0
21.86	22.01	21.90	23	16QAM	3MHz	8	3
21.72	21.92	21.92	23	16QAM	3MHz	8	7
21.80	22.04	21.96	23	16QAM	3MHz	15	0

LTE Band 5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20407	20525	20643	Channel				
824.7	836.5	848.3	Freq. (MHz)				
23.67	23.83	23.75	25	QPSK	1.4MHz	1	0
23.60	23.75	23.68	25	QPSK	1.4MHz	1	2
23.62	23.76	23.62	25	QPSK	1.4MHz	1	5
23.80	23.88	23.89	25	QPSK	1.4MHz	3	0
23.83	23.89	23.84	25	QPSK	1.4MHz	3	1
23.79	23.80	23.79	25	QPSK	1.4MHz	3	3
22.92	23.04	22.77	24	QPSK	1.4MHz	6	0
22.65	22.75	22.67	24	16QAM	1.4MHz	1	0
22.62	22.60	22.76	24	16QAM	1.4MHz	1	2
22.70	22.67	22.60	24	16QAM	1.4MHz	1	5
22.81	22.86	22.93	24	16QAM	1.4MHz	3	0
22.80	22.93	22.97	24	16QAM	1.4MHz	3	1
22.79	22.89	22.88	24	16QAM	1.4MHz	3	3
21.83	21.85	21.95	23	16QAM	1.4MHz	6	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20850	21100	21350	Channel				
2510	2535	2560	Freq. (MHz)				
23.15	23.30	23.25	24	QPSK	20MHz	1	0
23.11	23.28	23.22	24	QPSK	20MHz	1	49
23.09	23.26	23.19	24	QPSK	20MHz	1	99
22.17	22.28	22.22	23	QPSK	20MHz	50	0
22.11	22.23	22.15	23	QPSK	20MHz	50	25
22.14	22.27	22.17	23	QPSK	20MHz	50	50
22.17	22.31	22.25	23	QPSK	20MHz	100	0
22.14	22.20	22.16	23	16QAM	20MHz	1	0
22.06	22.18	22.11	23	16QAM	20MHz	1	49
22.02	22.19	22.14	23	16QAM	20MHz	1	99
21.16	21.25	21.22	22	16QAM	20MHz	50	0
21.05	21.17	21.06	22	16QAM	20MHz	50	25
21.08	21.19	21.09	22	16QAM	20MHz	50	50
21.16	21.30	21.19	22	16QAM	20MHz	100	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20825	21100	21375	Channel				
2507.5	2535	2562.5	Freq. (MHz)				
23.05	23.22	23.17	24	QPSK	15MHz	1	0
23.06	23.23	23.12	24	QPSK	15MHz	1	37
23.07	23.21	23.19	24	QPSK	15MHz	1	74
22.12	22.18	22.13	23	QPSK	15MHz	36	0
22.04	22.20	22.14	23	QPSK	15MHz	36	19
22.12	22.19	22.07	23	QPSK	15MHz	36	39
22.12	22.22	22.18	23	QPSK	15MHz	75	0
22.04	22.18	22.11	23	16QAM	15MHz	1	0
22.06	22.09	22.04	23	16QAM	15MHz	1	37
21.97	22.17	22.08	23	16QAM	15MHz	1	74
21.11	21.18	21.16	22	16QAM	15MHz	36	0
20.98	21.09	21.04	22	16QAM	15MHz	36	19
20.99	21.16	21.01	22	16QAM	15MHz	36	39
21.07	21.22	21.18	22	16QAM	15MHz	75	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20800	21100	21400	Channel				
2505	2535	2565	Freq. (MHz)				
22.96	23.20	23.13	24	QPSK	10MHz	1	0
22.93	23.12	23.15	24	QPSK	10MHz	1	24
23.01	23.15	23.07	24	QPSK	10MHz	1	49
22.12	22.11	22.12	23	QPSK	10MHz	25	0
21.98	22.01	22.01	23	QPSK	10MHz	25	12
22.00	22.09	22.00	23	QPSK	10MHz	25	25
22.10	22.15	22.14	23	QPSK	10MHz	50	0
22.03	22.13	22.08	23	16QAM	10MHz	1	0
21.96	21.93	21.93	23	16QAM	10MHz	1	24
21.89	22.08	22.01	23	16QAM	10MHz	1	49
21.08	21.00	21.21	22	16QAM	10MHz	25	0
20.92	21.04	20.86	22	16QAM	10MHz	25	12
20.91	21.15	20.99	22	16QAM	10MHz	25	25
20.95	21.18	21.14	22	16QAM	10MHz	50	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20775	21100	21425	Channel				
2502.5	2535	2567.5	Freq. (MHz)				
23.09	23.18	23.09	24	QPSK	5MHz	1	0
22.90	23.14	23.09	24	QPSK	5MHz	1	12
22.92	23.18	22.93	24	QPSK	5MHz	1	24
21.97	22.22	22.05	23	QPSK	5MHz	12	0
22.04	22.05	21.98	23	QPSK	5MHz	12	6
22.06	22.18	22.02	23	QPSK	5MHz	12	13
22.04	22.24	21.93	23	QPSK	5MHz	25	0
22.02	22.16	22.04	23	16QAM	5MHz	1	0
21.84	22.05	21.96	23	16QAM	5MHz	1	12
21.86	21.99	21.99	23	16QAM	5MHz	1	24
21.15	21.20	20.98	22	16QAM	5MHz	12	0
20.94	21.08	20.89	22	16QAM	5MHz	12	6
20.98	21.04	20.91	22	16QAM	5MHz	12	13
21.04	21.17	21.03	22	16QAM	5MHz	25	0

LTE Band 12							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23060	23095	23130	Channel				
704	707.5	711	Freq. (MHz)				
24.04	24.08	24.01	25	QPSK	10MHz	1	0
24.00	24.03	23.96	25	QPSK	10MHz	1	24
23.94	23.97	23.89	25	QPSK	10MHz	1	49
23.01	23.05	22.97	24	QPSK	10MHz	25	0
22.96	23.00	22.92	24	QPSK	10MHz	25	12
22.90	22.94	22.85	24	QPSK	10MHz	25	25
22.99	23.04	22.95	24	QPSK	10MHz	50	0
22.94	22.98	22.86	24	16QAM	10MHz	1	0
22.86	22.91	22.80	24	16QAM	10MHz	1	24
22.83	22.87	22.78	24	16QAM	10MHz	1	49
22.02	22.06	21.97	23	16QAM	10MHz	25	0
21.96	22.02	21.92	23	16QAM	10MHz	25	12
21.93	21.98	21.88	23	16QAM	10MHz	25	25
22.04	22.09	22.00	23	16QAM	10MHz	50	0

LTE Band 12							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23035	23095	23155	Channel				
701.5	707.5	713.5	Freq. (MHz)				
23.88	23.98	23.72	25	QPSK	5MHz	1	0
23.84	23.92	23.69	25	QPSK	5MHz	1	12
23.78	23.91	23.75	25	QPSK	5MHz	1	24
22.80	22.92	22.79	24	QPSK	5MHz	12	0
22.81	22.95	22.62	24	QPSK	5MHz	12	6
22.75	22.79	22.53	24	QPSK	5MHz	12	13
22.74	22.96	22.67	24	QPSK	5MHz	25	0
22.75	22.86	22.70	24	16QAM	5MHz	1	0
22.76	22.71	22.70	24	16QAM	5MHz	1	12
22.83	22.76	22.70	24	16QAM	5MHz	1	24
21.93	21.87	21.78	23	16QAM	5MHz	12	0
21.84	21.87	21.73	23	16QAM	5MHz	12	6
21.80	21.88	21.86	23	16QAM	5MHz	12	13
22.00	22.04	21.80	23	16QAM	5MHz	25	0

LTE Band 12							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23025	23095	23165	Channel				
700.5	707.5	714.5	Freq. (MHz)				
23.85	23.90	23.89	25	QPSK	3MHz	1	0
23.80	23.82	23.83	25	QPSK	3MHz	1	7
23.82	23.82	23.73	25	QPSK	3MHz	1	14
22.91	22.91	22.78	24	QPSK	3MHz	8	0
22.82	22.83	22.69	24	QPSK	3MHz	8	3
22.77	22.81	22.72	24	QPSK	3MHz	8	7
22.91	22.92	22.78	24	QPSK	3MHz	15	0
22.81	22.89	22.71	24	16QAM	3MHz	1	0
22.66	22.79	22.69	24	16QAM	3MHz	1	7
22.76	22.71	22.58	24	16QAM	3MHz	1	14
21.94	21.91	21.78	23	16QAM	3MHz	8	0
21.86	21.92	21.79	23	16QAM	3MHz	8	3
21.85	21.87	21.82	23	16QAM	3MHz	8	7
21.83	21.87	21.85	23	16QAM	3MHz	15	0

LTE Band 12								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
23017	23095	23173	Channel					
699.7	707.5	715.3	Freq. (MHz)					
23.80	23.86	23.90	25	QPSK	1.4MHz	1	0	
23.80	23.87	23.87	25	QPSK	1.4MHz	1	2	
23.76	23.97	23.81	25	QPSK	1.4MHz	1	5	
23.84	23.85	23.88	25	QPSK	1.4MHz	3	0	
23.86	23.93	23.74	25	QPSK	1.4MHz	3	1	
23.82	23.73	23.67	25	QPSK	1.4MHz	3	3	
22.84	23.00	22.82	24	QPSK	1.4MHz	6	0	
22.93	22.93	22.75	24	16QAM	1.4MHz	1	0	
22.78	22.78	22.64	24	16QAM	1.4MHz	1	2	
22.64	22.80	22.76	24	16QAM	1.4MHz	1	5	
22.88	22.95	22.88	24	16QAM	1.4MHz	3	0	
22.83	22.89	22.77	24	16QAM	1.4MHz	3	1	
22.80	22.81	22.86	24	16QAM	1.4MHz	3	3	
21.86	22.01	21.82	23	16QAM	1.4MHz	6	0	

LTE Band 13					
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23230	Channel				
782	Freq. (MHz)				
24.03	25	QPSK	10MHz	1	0
24.01	25	QPSK	10MHz	1	24
23.98	25	QPSK	10MHz	1	49
23.24	24	QPSK	10MHz	25	0
23.21	24	QPSK	10MHz	25	12
23.19	24	QPSK	10MHz	25	25
23.23	24	QPSK	10MHz	50	0
23.44	24	16QAM	10MHz	1	0
23.41	24	16QAM	10MHz	1	24
23.38	24	16QAM	10MHz	1	49
22.25	23	16QAM	10MHz	25	0
22.22	23	16QAM	10MHz	25	12
22.20	23	16QAM	10MHz	25	25
22.23	23	16QAM	10MHz	50	0

LTE Band 13							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23205	23230	23255	Channel				
779.5	782	784.5	Freq. (MHz)				
23.99	24.02	23.95	25	QPSK	5MHz	1	0
23.97	24.00	23.93	25	QPSK	5MHz	1	12
23.95	23.95	23.90	25	QPSK	5MHz	1	24
23.24	23.16	23.18	24	QPSK	5MHz	12	0
23.12	23.16	23.11	24	QPSK	5MHz	12	6
23.13	23.16	23.10	24	QPSK	5MHz	12	13
23.15	23.21	23.13	24	QPSK	5MHz	25	0
23.44	23.43	23.35	24	16QAM	5MHz	1	0
23.31	23.35	23.28	24	16QAM	5MHz	1	12
23.32	23.33	23.30	24	16QAM	5MHz	1	24
22.17	22.19	22.16	23	16QAM	5MHz	12	0
22.16	22.18	22.09	23	16QAM	5MHz	12	6
22.14	22.17	22.12	23	16QAM	5MHz	12	13
22.10	22.13	22.08	23	16QAM	5MHz	25	0

LTE Band 14					
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23330	Channel				
793	Freq. (MHz)				
24.09	25	QPSK	10MHz	1	0
24.06	25	QPSK	10MHz	1	24
24.01	25	QPSK	10MHz	1	49
23.05	24	QPSK	10MHz	25	0
22.98	24	QPSK	10MHz	25	12
23.03	24	QPSK	10MHz	25	25
23.06	24	QPSK	10MHz	50	0
23.40	24	16QAM	10MHz	1	0
23.36	24	16QAM	10MHz	1	24
23.31	24	16QAM	10MHz	1	49
22.05	23	16QAM	10MHz	25	0
22.00	23	16QAM	10MHz	25	12
22.03	23	16QAM	10MHz	25	25
22.07	23	16QAM	10MHz	50	0

LTE Band 14							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23305	23330	23355	Channel				
790.5	793	795.5	Freq. (MHz)				
24.02	24.08	23.99	25	QPSK	5MHz	1	0
24.00	24.03	23.97	25	QPSK	5MHz	1	12
23.96	23.98	23.92	25	QPSK	5MHz	1	24
22.96	23.02	22.94	24	QPSK	5MHz	12	0
22.90	22.93	22.89	24	QPSK	5MHz	12	6
22.92	22.94	22.86	24	QPSK	5MHz	12	13
23.02	23.05	23.01	24	QPSK	5MHz	25	0
23.36	23.37	23.33	24	16QAM	5MHz	1	0
23.32	23.35	23.30	24	16QAM	5MHz	1	12
23.23	23.29	23.19	24	16QAM	5MHz	1	24
21.99	22.02	21.96	23	16QAM	5MHz	12	0
21.91	21.96	21.88	23	16QAM	5MHz	12	6
21.93	21.99	21.90	23	16QAM	5MHz	12	13
22.05	22.07	21.98	23	16QAM	5MHz	25	0

LTE Band 17							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23780	23790	23800	Channel				
709	710	711	Freq. (MHz)				
23.99	24.10	24.02	25	QPSK	10MHz	1	0
23.92	24.06	23.97	25	QPSK	10MHz	1	24
23.90	24.03	23.94	25	QPSK	10MHz	1	49
22.97	23.08	23.00	24	QPSK	10MHz	25	0
22.93	23.03	22.95	24	QPSK	10MHz	25	12
22.84	22.97	22.88	24	QPSK	10MHz	25	25
22.93	23.07	22.97	24	QPSK	10MHz	50	0
22.89	23.02	22.93	24	16QAM	10MHz	1	0
22.85	22.99	22.90	24	16QAM	10MHz	1	24
22.80	22.95	22.84	24	16QAM	10MHz	1	49
21.97	22.09	22.00	23	16QAM	10MHz	25	0
21.92	22.05	21.96	23	16QAM	10MHz	25	12
21.88	22.01	21.91	23	16QAM	10MHz	25	25
21.99	22.11	22.03	23	16QAM	10MHz	50	0

LTE Band 17								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
23755	23790	23825	Channel					
706.5	710	713.5	Freq. (MHz)					
23.95	23.89	23.82	25	QPSK	5MHz	1	0	
23.80	23.97	23.92	25	QPSK	5MHz	1	12	
23.68	23.85	23.78	25	QPSK	5MHz	1	24	
22.80	22.97	22.73	24	QPSK	5MHz	12	0	
22.78	22.89	22.62	24	QPSK	5MHz	12	6	
22.61	22.78	22.80	24	QPSK	5MHz	12	13	
22.69	23.03	22.70	24	QPSK	5MHz	25	0	
22.82	22.92	22.87	24	16QAM	5MHz	1	0	
22.70	22.89	22.88	24	16QAM	5MHz	1	12	
22.65	22.90	22.81	24	16QAM	5MHz	1	24	
21.82	21.99	21.92	23	16QAM	5MHz	12	0	
21.78	22.03	21.73	23	16QAM	5MHz	12	6	
21.85	21.86	21.84	23	16QAM	5MHz	12	13	
21.87	21.98	21.94	23	16QAM	5MHz	25	0	

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26140	26365	26590	Channel				
1860	1882.5	1905	Freq. (MHz)				
23.42	23.49	23.32	24	QPSK	20MHz	1	0
23.37	23.44	23.26	24	QPSK	20MHz	1	49
23.32	23.38	23.23	24	QPSK	20MHz	1	99
22.40	22.45	22.26	23	QPSK	20MHz	50	0
22.33	22.40	22.20	23	QPSK	20MHz	50	25
22.28	22.36	22.19	23	QPSK	20MHz	50	50
22.41	22.46	22.28	23	QPSK	20MHz	100	0
22.35	22.42	22.25	23	16QAM	20MHz	1	0
22.30	22.37	22.21	23	16QAM	20MHz	1	49
22.26	22.33	22.18	23	16QAM	20MHz	1	99
21.43	21.48	21.32	22	16QAM	20MHz	50	0
21.37	21.43	21.28	22	16QAM	20MHz	50	25
21.32	21.38	21.22	22	16QAM	20MHz	50	50
21.43	21.50	21.35	22	16QAM	20MHz	100	0

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26115	26365	26615	Channel				
1857.5	1882.5	1907.5	Freq. (MHz)				
23.34	23.43	23.23	24	QPSK	15MHz	1	0
23.37	23.34	23.23	24	QPSK	15MHz	1	37
23.31	23.35	23.20	24	QPSK	15MHz	1	74
22.34	22.41	22.26	23	QPSK	15MHz	36	0
22.30	22.38	22.16	23	QPSK	15MHz	36	19
22.23	22.32	22.15	23	QPSK	15MHz	36	39
22.41	22.43	22.20	23	QPSK	15MHz	75	0
22.30	22.36	22.23	23	16QAM	15MHz	1	0
22.29	22.31	22.15	23	16QAM	15MHz	1	37
22.19	22.28	22.12	23	16QAM	15MHz	1	74
21.35	21.44	21.25	22	16QAM	15MHz	36	0
21.29	21.36	21.27	22	16QAM	15MHz	36	19
21.30	21.35	21.21	22	16QAM	15MHz	36	39
21.40	21.50	21.26	22	16QAM	15MHz	75	0

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26090	26365	26640	Channel				
1855	1882.5	1910	Freq. (MHz)				
23.34	23.36	23.16	24	QPSK	10MHz	1	0
23.20	23.37	23.13	24	QPSK	10MHz	1	24
23.26	23.22	23.03	24	QPSK	10MHz	1	49
22.23	22.36	22.06	23	QPSK	10MHz	25	0
22.21	22.20	21.98	23	QPSK	10MHz	25	12
22.06	22.22	22.06	23	QPSK	10MHz	25	25
22.22	22.27	22.09	23	QPSK	10MHz	50	0
22.22	22.37	22.08	23	16QAM	10MHz	1	0
22.21	22.18	22.02	23	16QAM	10MHz	1	24
22.09	22.23	22.07	23	16QAM	10MHz	1	49
21.39	21.41	21.18	22	16QAM	10MHz	25	0
21.28	21.34	21.06	22	16QAM	10MHz	25	12
21.09	21.26	21.14	22	16QAM	10MHz	25	25
21.29	21.39	21.17	22	16QAM	10MHz	50	0

LTE Band 25								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
26065	26365	26665	Channel					
1852.5	1882.5	1912.5	Freq. (MHz)					
23.26	23.47	23.24	24	QPSK	5MHz	1	0	
23.23	23.39	22.97	24	QPSK	5MHz	1	12	
23.16	23.22	22.91	24	QPSK	5MHz	1	24	
22.24	22.24	22.03	23	QPSK	5MHz	12	0	
22.25	22.29	21.91	23	QPSK	5MHz	12	6	
22.14	22.26	22.04	23	QPSK	5MHz	12	13	
22.26	22.33	22.07	23	QPSK	5MHz	25	0	
22.28	22.22	22.05	23	16QAM	5MHz	1	0	
22.14	22.23	22.07	23	16QAM	5MHz	1	12	
22.17	22.14	22.05	23	16QAM	5MHz	1	24	
21.25	21.24	21.10	22	16QAM	5MHz	12	0	
21.18	21.29	21.23	22	16QAM	5MHz	12	6	
21.22	21.24	21.14	22	16QAM	5MHz	12	13	
21.30	21.42	21.18	22	16QAM	5MHz	25	0	

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26055	26365	26675	Channel				
1851.5	1882.5	1913.5	Freq. (MHz)				
23.32	23.38	23.27	24	QPSK	3MHz	1	0
23.24	23.27	23.15	24	QPSK	3MHz	1	7
23.15	23.33	23.06	24	QPSK	3MHz	1	14
22.40	22.21	22.18	23	QPSK	3MHz	8	0
22.26	22.24	22.05	23	QPSK	3MHz	8	3
22.10	22.15	22.09	23	QPSK	3MHz	8	7
22.24	22.29	22.18	23	QPSK	3MHz	15	0
22.19	22.18	22.17	23	16QAM	3MHz	1	0
22.12	22.35	22.15	23	16QAM	3MHz	1	7
22.09	22.12	22.02	23	16QAM	3MHz	1	14
21.31	21.43	21.29	22	16QAM	3MHz	8	0
21.22	21.40	21.14	22	16QAM	3MHz	8	3
21.18	21.18	21.18	22	16QAM	3MHz	8	7
21.23	21.40	21.23	22	16QAM	3MHz	15	0

LTE Band 25								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
26047	26365	26683	Channel					
1850.7	1882.5	1914.3	Freq. (MHz)					
23.34	23.38	23.25	24	QPSK	1.4MHz	1	0	
23.34	23.36	23.16	24	QPSK	1.4MHz	1	2	
23.20	23.29	23.07	24	QPSK	1.4MHz	1	5	
23.33	23.31	23.15	24	QPSK	1.4MHz	3	0	
23.13	23.30	23.02	24	QPSK	1.4MHz	3	1	
23.22	23.24	23.11	24	QPSK	1.4MHz	3	3	
22.24	22.36	22.28	23	QPSK	1.4MHz	6	0	
22.21	22.29	22.13	23	16QAM	1.4MHz	1	0	
22.16	22.23	22.05	23	16QAM	1.4MHz	1	2	
22.22	22.18	22.10	23	16QAM	1.4MHz	1	5	
22.34	22.39	22.27	23	16QAM	1.4MHz	3	0	
22.23	22.38	22.10	23	16QAM	1.4MHz	3	1	
22.20	22.18	22.09	23	16QAM	1.4MHz	3	3	
21.26	21.40	21.28	22	16QAM	1.4MHz	6	0	

LTE Band 26							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26765	26865	26965	Channel				
821.5	831.5	841.5	Freq. (MHz)				
24.02	24.07	24.05	25	QPSK	15MHz	1	0
23.96	24.03	24.00	25	QPSK	15MHz	1	37
23.91	23.97	23.95	25	QPSK	15MHz	1	74
23.16	23.22	23.19	24	QPSK	15MHz	36	0
23.10	23.17	23.14	24	QPSK	15MHz	36	19
23.05	23.11	23.09	24	QPSK	15MHz	36	39
23.14	23.21	23.17	24	QPSK	15MHz	75	0
23.11	23.17	23.15	24	16QAM	15MHz	1	0
23.05	23.13	23.10	24	16QAM	15MHz	1	37
23.02	23.09	23.05	24	16QAM	15MHz	1	74
22.13	22.20	22.17	23	16QAM	15MHz	36	0
22.06	22.14	22.10	23	16QAM	15MHz	36	19
22.00	22.08	22.04	23	16QAM	15MHz	36	39
21.98	22.04	22.01	23	16QAM	15MHz	75	0

LTE Band 26							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26740	26865	26990	Channel				
819	831.5	844	Freq. (MHz)				
23.90	23.93	23.80	25	QPSK	10MHz	1	0
23.92	23.91	23.84	25	QPSK	10MHz	1	24
23.82	23.83	23.88	25	QPSK	10MHz	1	49
22.97	23.14	23.05	24	QPSK	10MHz	25	0
23.06	23.06	23.13	24	QPSK	10MHz	25	12
22.88	22.92	22.88	24	QPSK	10MHz	25	25
23.00	23.20	23.12	24	QPSK	10MHz	50	0
23.05	22.97	23.05	24	16QAM	10MHz	1	0
22.85	23.12	23.03	24	16QAM	10MHz	1	24
22.82	22.96	23.03	24	16QAM	10MHz	1	49
22.02	22.02	22.10	23	16QAM	10MHz	25	0
21.93	21.99	22.04	23	16QAM	10MHz	25	12
21.97	21.90	21.93	23	16QAM	10MHz	25	25
21.86	21.93	21.89	23	16QAM	10MHz	50	0

LTE Band 26								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
26715	26865	27015	Channel					
816.5	831.5	846.5	Freq. (MHz)					
23.95	23.99	23.86	25	QPSK	5MHz	1	0	
23.81	23.87	23.87	25	QPSK	5MHz	1	12	
23.71	23.75	23.73	25	QPSK	5MHz	1	24	
23.04	23.03	22.95	24	QPSK	5MHz	12	0	
23.07	23.17	22.97	24	QPSK	5MHz	12	6	
22.87	22.92	22.82	24	QPSK	5MHz	12	13	
22.94	23.05	22.84	24	QPSK	5MHz	25	0	
22.93	23.09	23.07	24	16QAM	5MHz	1	0	
22.90	22.90	23.09	24	16QAM	5MHz	1	12	
22.81	22.95	22.83	24	16QAM	5MHz	1	24	
21.99	22.04	22.11	23	16QAM	5MHz	12	0	
22.03	22.04	21.96	23	16QAM	5MHz	12	6	
21.82	22.02	21.86	23	16QAM	5MHz	12	13	
21.84	21.88	21.93	23	16QAM	5MHz	25	0	

LTE Band 26								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
26705	26865	27025	Channel					
815.5	831.5	847.5	Freq. (MHz)					
23.86	23.93	23.87	25	QPSK	3MHz	1	0	
23.81	23.87	23.96	25	QPSK	3MHz	1	7	
23.75	23.78	23.84	25	QPSK	3MHz	1	14	
23.11	23.19	22.94	24	QPSK	3MHz	8	0	
22.95	22.94	22.99	24	QPSK	3MHz	8	3	
22.82	22.95	23.03	24	QPSK	3MHz	8	7	
23.10	23.03	23.05	24	QPSK	3MHz	15	0	
23.03	23.08	23.03	24	16QAM	3MHz	1	0	
22.99	22.95	22.88	24	16QAM	3MHz	1	7	
22.91	22.96	22.92	24	16QAM	3MHz	1	14	
21.95	21.98	21.98	23	16QAM	3MHz	8	0	
21.93	22.08	22.02	23	16QAM	3MHz	8	3	
21.85	22.04	21.87	23	16QAM	3MHz	8	7	
21.87	21.89	21.87	23	16QAM	3MHz	15	0	

LTE Band 26								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
26697	26865	27033	Channel					
814.7	831.5	848.3	Freq. (MHz)					
23.87	23.98	23.92	25	QPSK	1.4MHz	1	0	
23.77	23.94	23.89	25	QPSK	1.4MHz	1	2	
23.75	23.89	23.77	25	QPSK	1.4MHz	1	5	
24.04	24.01	24.04	25	QPSK	1.4MHz	3	0	
23.04	24.02	23.98	25	QPSK	1.4MHz	3	1	
23.99	23.96	23.95	25	QPSK	1.4MHz	3	3	
23.01	22.98	22.95	24	QPSK	1.4MHz	6	0	
22.94	23.02	22.99	24	16QAM	1.4MHz	1	0	
22.90	22.99	22.93	24	16QAM	1.4MHz	1	2	
22.87	23.04	22.98	24	16QAM	1.4MHz	1	5	
22.89	23.14	23.09	24	16QAM	1.4MHz	3	0	
22.84	23.09	22.91	24	16QAM	1.4MHz	3	1	
22.95	22.97	22.88	24	16QAM	1.4MHz	3	3	
21.88	21.92	21.96	23	16QAM	1.4MHz	6	0	

LTE Band 30					
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
27710	Channel				
2310	Freq. (MHz)				
22.28	23	QPSK	10MHz	1	0
22.25	23	QPSK	10MHz	1	24
22.23	23	QPSK	10MHz	1	49
21.33	22	QPSK	10MHz	25	0
21.28	22	QPSK	10MHz	25	12
21.26	22	QPSK	10MHz	25	25
21.38	22	QPSK	10MHz	50	0
21.57	22	16QAM	10MHz	1	0
21.54	22	16QAM	10MHz	1	24
21.51	22	16QAM	10MHz	1	49
20.34	21	16QAM	10MHz	25	0
20.28	21	16QAM	10MHz	25	12
20.26	21	16QAM	10MHz	25	25
20.30	21	16QAM	10MHz	50	0

LTE Band 30								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
27685	27710	27735	Channel					
2307.5	2310	2312.5	Freq. (MHz)					
22.18	22.27	22.21	23	QPSK	5MHz	1	0	
22.15	22.23	22.19	23	QPSK	5MHz	1	12	
22.13	22.20	22.17	23	QPSK	5MHz	1	24	
21.20	21.26	21.23	22	QPSK	5MHz	12	0	
21.19	21.27	21.24	22	QPSK	5MHz	12	6	
21.20	21.25	21.23	22	QPSK	5MHz	12	13	
21.24	21.31	21.28	22	QPSK	5MHz	25	0	
21.39	21.47	21.43	22	16QAM	5MHz	1	0	
21.38	21.45	21.41	22	16QAM	5MHz	1	12	
21.37	21.44	21.41	22	16QAM	5MHz	1	24	
20.29	20.35	20.33	21	16QAM	5MHz	12	0	
20.23	20.28	20.26	21	16QAM	5MHz	12	6	
20.16	20.23	20.20	21	16QAM	5MHz	12	13	
20.23	20.31	20.27	21	16QAM	5MHz	25	0	

LTE Band 38							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
37850	38000	38150	Channel				
2580	2595	2610	Freq. (MHz)				
23.35	23.39	23.32	24	QPSK	20MHz	1	0
23.28	23.32	23.24	24	QPSK	20MHz	1	49
23.23	23.28	23.19	24	QPSK	20MHz	1	99
22.33	22.37	22.29	23	QPSK	20MHz	50	0
22.25	22.32	22.22	23	QPSK	20MHz	50	25
22.23	22.30	22.21	23	QPSK	20MHz	50	50
22.32	22.41	22.29	23	QPSK	20MHz	100	0
22.26	22.31	22.22	23	16QAM	20MHz	1	0
22.20	22.26	22.17	23	16QAM	20MHz	1	49
22.23	22.27	22.21	23	16QAM	20MHz	1	99
21.36	21.40	21.31	22	16QAM	20MHz	50	0
21.30	21.33	21.26	22	16QAM	20MHz	50	25
21.33	21.36	21.29	22	16QAM	20MHz	50	50
21.36	21.42	21.33	22	16QAM	20MHz	100	0

LTE Band 38							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
37825	38000	38175	Channel				
2577.5	2595	2612.5	Freq. (MHz)				
23.34	23.31	23.30	24	QPSK	15MHz	1	0
23.22	23.22	23.19	24	QPSK	15MHz	1	37
23.21	23.23	23.16	24	QPSK	15MHz	1	74
22.26	22.30	22.20	23	QPSK	15MHz	36	0
22.24	22.28	22.15	23	QPSK	15MHz	36	19
22.23	22.27	22.20	23	QPSK	15MHz	36	39
22.23	22.31	22.22	23	QPSK	15MHz	75	0
22.18	22.28	22.14	23	16QAM	15MHz	1	0
22.10	22.19	22.07	23	16QAM	15MHz	1	37
22.15	22.17	22.15	23	16QAM	15MHz	1	74
21.30	21.34	21.26	22	16QAM	15MHz	36	0
21.24	21.25	21.18	22	16QAM	15MHz	36	19
21.24	21.26	21.25	22	16QAM	15MHz	36	39
21.29	21.41	21.28	22	16QAM	15MHz	75	0

LTE Band 38							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
37800	38000	38200	Channel				
2575	2595	2615	Freq. (MHz)				
23.29	23.28	23.16	24	QPSK	10MHz	1	0
23.06	23.21	23.08	24	QPSK	10MHz	1	24
23.07	23.11	23.08	24	QPSK	10MHz	1	49
22.27	22.17	22.25	23	QPSK	10MHz	25	0
22.09	22.26	22.07	23	QPSK	10MHz	25	12
22.03	22.21	22.15	23	QPSK	10MHz	25	25
22.19	22.35	22.13	23	QPSK	10MHz	50	0
22.15	22.31	22.11	23	16QAM	10MHz	1	0
22.07	22.18	22.02	23	16QAM	10MHz	1	24
22.07	22.16	22.09	23	16QAM	10MHz	1	49
21.27	21.24	21.22	22	16QAM	10MHz	25	0
21.10	21.20	21.17	22	16QAM	10MHz	25	12
21.18	21.14	21.12	22	16QAM	10MHz	25	25
21.28	21.24	21.31	22	16QAM	10MHz	50	0

LTE Band 38							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
37775	38000	38225	Channel				
2572.5	2595	2617.5	Freq. (MHz)				
23.28	23.30	23.04	24	QPSK	5MHz	1	0
23.25	23.29	22.97	24	QPSK	5MHz	1	12
22.98	23.13	23.07	24	QPSK	5MHz	1	24
22.29	22.27	22.06	23	QPSK	5MHz	12	0
22.16	22.28	22.00	23	QPSK	5MHz	12	6
22.03	22.30	22.00	23	QPSK	5MHz	12	13
22.25	22.20	22.16	23	QPSK	5MHz	25	0
22.09	22.08	21.99	23	16QAM	5MHz	1	0
22.05	22.11	22.07	23	16QAM	5MHz	1	12
22.06	22.06	22.11	23	16QAM	5MHz	1	24
21.33	21.32	21.09	22	16QAM	5MHz	12	0
21.21	21.18	21.21	22	16QAM	5MHz	12	6
21.22	21.17	21.13	22	16QAM	5MHz	12	13
21.19	21.36	21.19	22	16QAM	5MHz	25	0

LTE Band 41_PC3									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39750	40185	40620	41055	41490	Channel				
2506	2549.5	2593	2636.5	2680	Freq. (MHz)				
23.83	23.89	23.97	23.91	22.94	24	QPSK	20MHz	1	0
23.80	23.84	23.94	23.89	23.90	24	QPSK	20MHz	1	49
23.73	23.74	23.81	23.75	23.78	24	QPSK	20MHz	1	99
22.79	22.83	22.91	22.87	22.90	23	QPSK	20MHz	50	0
22.74	22.79	22.89	22.86	22.87	23	QPSK	20MHz	50	25
22.75	22.80	22.87	22.83	22.85	23	QPSK	20MHz	50	50
22.78	22.88	22.95	22.91	22.92	23	QPSK	20MHz	100	0
22.79	22.85	22.94	22.88	22.90	23	16QAM	20MHz	1	0
22.76	22.81	22.92	22.87	22.90	23	16QAM	20MHz	1	49
22.61	22.67	22.87	22.80	22.84	23	16QAM	20MHz	1	99
21.79	21.82	21.91	21.85	21.89	22	16QAM	20MHz	50	0
21.71	21.76	21.87	21.82	21.85	22	16QAM	20MHz	50	25
21.70	21.75	21.84	21.80	21.82	22	16QAM	20MHz	50	50
21.73	21.81	21.92	21.87	21.90	22	16QAM	20MHz	100	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39725	40173	40620	41068	41515	Channel				
2503.5	2548.3	2593	2637.8	2682.5	Freq. (MHz)				
23.77	23.84	23.90	23.88	22.84	24	QPSK	15MHz	1	0
23.71	23.82	23.94	23.87	23.85	24	QPSK	15MHz	1	37
23.73	23.70	23.77	23.69	23.68	24	QPSK	15MHz	1	74
22.71	22.76	22.89	22.85	22.85	23	QPSK	15MHz	36	0
22.65	22.70	22.84	22.84	22.85	23	QPSK	15MHz	36	19
22.74	22.79	22.84	22.73	22.78	23	QPSK	15MHz	36	39
22.72	22.85	22.93	22.84	22.83	23	QPSK	15MHz	75	0
22.69	22.80	22.93	22.84	21.93	23	16QAM	15MHz	1	0
22.68	22.79	22.83	22.87	22.85	23	16QAM	15MHz	1	37
22.59	22.60	22.82	22.74	22.75	23	16QAM	15MHz	1	74
21.74	21.73	21.84	21.75	21.85	22	16QAM	15MHz	36	0
21.66	21.66	21.78	21.78	21.77	22	16QAM	15MHz	36	19
21.65	21.68	21.83	21.77	21.83	22	16QAM	15MHz	36	39
21.69	21.79	21.84	21.86	21.90	22	16QAM	15MHz	75	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39700	40160	40620	41080	41540	Channel				
2501	2547	2593	2639	2685	Freq. (MHz)				
23.74	23.77	23.90	23.91	22.90	24	QPSK	10MHz	1	0
23.69	23.78	23.83	23.79	23.81	24	QPSK	10MHz	1	24
23.64	23.64	23.73	23.62	23.71	24	QPSK	10MHz	1	49
22.75	22.77	22.80	22.81	22.83	23	QPSK	10MHz	25	0
22.63	22.64	22.75	22.75	22.77	23	QPSK	10MHz	25	12
22.70	22.74	22.68	22.73	22.79	23	QPSK	10MHz	25	25
22.76	22.74	22.87	22.76	22.74	23	QPSK	10MHz	50	0
22.70	22.74	22.93	22.81	21.92	23	16QAM	10MHz	1	0
22.77	22.76	22.83	22.78	22.78	23	16QAM	10MHz	1	24
22.62	22.58	22.69	22.62	22.72	23	16QAM	10MHz	1	49
21.65	21.74	21.76	21.79	21.81	22	16QAM	10MHz	25	0
21.64	21.70	21.76	21.73	21.75	22	16QAM	10MHz	25	12
21.62	21.64	21.76	21.64	21.85	22	16QAM	10MHz	25	25
21.71	21.76	21.82	21.82	21.78	22	16QAM	10MHz	50	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39675	40148	40620	41093	41565	Channel				
2498.5	2545.8	2593	2640.3	2687.5	Freq. (MHz)				
23.76	23.75	23.88	23.76	22.85	24	QPSK	5MHz	1	0
23.69	23.79	23.84	23.78	23.83	24	QPSK	5MHz	1	12
23.58	23.62	23.64	23.68	23.66	24	QPSK	5MHz	1	24
22.68	22.67	22.84	22.79	22.73	23	QPSK	5MHz	12	0
22.60	22.70	22.72	22.81	22.68	23	QPSK	5MHz	12	6
22.69	22.66	22.79	22.74	22.71	23	QPSK	5MHz	12	13
22.73	22.74	22.86	22.83	22.80	23	QPSK	5MHz	25	0
22.80	22.79	22.89	22.79	21.85	23	16QAM	5MHz	1	0
22.69	22.75	22.87	22.74	22.88	23	16QAM	5MHz	1	12
22.63	22.64	22.66	22.71	22.60	23	16QAM	5MHz	1	24
21.63	21.67	21.91	21.81	21.77	22	16QAM	5MHz	12	0
21.65	21.70	21.73	21.72	21.74	22	16QAM	5MHz	12	6
21.62	21.65	21.73	21.74	21.74	22	16QAM	5MHz	12	13
21.66	21.71	21.85	21.89	21.72	22	16QAM	5MHz	25	0

LTE Band 41_PC2									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39750	40185	40620	41055	41490	Channel				
2506	2549.5	2593	2636.5	2680	Freq. (MHz)				
25.88	26.03	26.42	26.35	26.38	27	QPSK	20MHz	1	0
25.85	25.99	26.39	26.30	26.34	27	QPSK	20MHz	1	49
25.81	25.87	26.30	26.17	26.22	27	QPSK	20MHz	1	99
24.90	25.16	25.45	25.32	25.36	26	QPSK	20MHz	50	0
24.86	25.11	25.40	25.30	25.35	26	QPSK	20MHz	50	25
24.80	25.04	25.37	25.26	25.32	26	QPSK	20MHz	50	50
24.93	25.15	25.46	25.35	25.37	26	QPSK	20MHz	100	0
24.87	25.17	25.37	25.27	25.29	26	16QAM	20MHz	1	0
24.84	25.13	25.36	25.24	25.25	26	16QAM	20MHz	1	49
24.72	25.02	25.23	25.18	25.20	26	16QAM	20MHz	1	99
23.83	24.13	24.41	24.27	24.32	25	16QAM	20MHz	50	0
23.76	24.08	24.35	24.22	24.25	25	16QAM	20MHz	50	25
23.80	24.10	24.39	24.24	24.28	25	16QAM	20MHz	50	50
23.87	24.20	24.47	24.31	24.34	25	16QAM	20MHz	100	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39725	40173	40620	41068	41515	Channel				
2503.5	2548.3	2593	2637.8	2682.5	Freq. (MHz)				
25.78	25.99	26.41	26.25	26.36	27	QPSK	15MHz	1	0
25.82	25.92	26.33	26.23	26.29	27	QPSK	15MHz	1	37
25.77	25.87	26.25	26.15	26.22	27	QPSK	15MHz	1	74
24.87	25.10	25.43	25.22	25.32	26	QPSK	15MHz	36	0
24.78	25.04	25.35	25.27	25.28	26	QPSK	15MHz	36	19
24.78	25.00	25.29	25.20	25.23	26	QPSK	15MHz	36	39
24.90	25.14	25.39	25.33	25.28	26	QPSK	15MHz	75	0
24.79	25.08	25.32	25.20	25.32	26	16QAM	15MHz	1	0
24.79	25.07	25.28	25.24	25.24	26	16QAM	15MHz	1	37
24.62	25.02	25.17	25.15	25.21	26	16QAM	15MHz	1	74
23.82	24.03	24.36	24.25	24.26	25	16QAM	15MHz	36	0
23.71	24.04	24.29	24.15	24.25	25	16QAM	15MHz	36	19
23.78	24.10	24.29	24.15	24.24	25	16QAM	15MHz	36	39
23.83	24.10	24.41	24.24	24.28	25	16QAM	15MHz	75	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39700	40160	40620	41080	41540	Channel				
2501	2547	2593	2639	2685	Freq. (MHz)				
25.79	25.98	26.26	26.18	26.29	27	QPSK	10MHz	1	0
25.79	25.89	26.37	26.26	26.25	27	QPSK	10MHz	1	24
25.67	25.71	26.25	26.03	26.14	27	QPSK	10MHz	1	49
24.82	25.14	25.42	25.18	25.27	26	QPSK	10MHz	25	0
24.78	25.01	25.30	25.20	25.26	26	QPSK	10MHz	25	12
24.69	24.89	25.31	25.20	25.20	26	QPSK	10MHz	25	25
24.79	24.98	25.44	25.25	25.26	26	QPSK	10MHz	50	0
24.88	24.93	25.29	25.19	25.33	26	16QAM	10MHz	1	0
24.79	24.99	25.32	25.21	25.26	26	16QAM	10MHz	1	24
24.77	24.78	25.22	25.12	25.13	26	16QAM	10MHz	1	49
23.75	24.06	24.37	24.23	24.27	25	16QAM	10MHz	25	0
23.84	24.02	24.28	24.16	24.28	25	16QAM	10MHz	25	12
23.70	23.89	24.23	24.20	24.24	25	16QAM	10MHz	25	25
23.77	24.06	24.39	24.28	24.29	25	16QAM	10MHz	50	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39675	40148	40620	41093	41565	Channel				
2498.5	2545.8	2593	2640.3	2687.5	Freq. (MHz)				
25.75	26.02	26.22	26.24	26.33	27	QPSK	5MHz	1	0
25.75	25.79	26.28	26.15	26.30	27	QPSK	5MHz	1	12
25.72	25.70	26.16	26.05	26.03	27	QPSK	5MHz	1	24
24.82	25.05	25.28	25.23	25.30	26	QPSK	5MHz	12	0
24.84	24.97	25.34	25.21	25.24	26	QPSK	5MHz	12	6
24.69	24.95	25.29	25.16	25.21	26	QPSK	5MHz	12	13
24.85	25.08	25.41	25.25	25.23	26	QPSK	5MHz	25	0
24.71	24.98	25.27	25.23	25.37	26	16QAM	5MHz	1	0
24.76	24.86	25.23	25.21	25.29	26	16QAM	5MHz	1	12
24.72	24.67	25.16	25.07	25.11	26	16QAM	5MHz	1	24
23.75	24.05	24.25	24.18	24.28	25	16QAM	5MHz	12	0
23.83	23.94	24.27	24.18	24.18	25	16QAM	5MHz	12	6
23.71	23.90	24.24	24.17	24.21	25	16QAM	5MHz	12	13
23.83	24.08	24.41	24.25	24.29	25	16QAM	5MHz	25	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55340	55773	56207	56640	Channel				
3560	3603.3	3646.7	3690	Freq. (MHz)				
21.55	21.50	21.57	21.53	22	QPSK	20MHz	1	0
21.51	21.44	21.54	21.48	22	QPSK	20MHz	1	49
21.48	21.42	21.50	21.44	22	QPSK	20MHz	1	99
20.55	20.49	20.58	20.52	21	QPSK	20MHz	50	0
20.50	20.45	20.53	20.47	21	QPSK	20MHz	50	25
20.45	20.40	20.49	20.42	21	QPSK	20MHz	50	50
20.53	20.46	20.56	20.50	21	QPSK	20MHz	100	0
20.48	20.42	20.52	20.46	21	16QAM	20MHz	1	0
20.45	20.41	20.47	20.43	21	16QAM	20MHz	1	49
20.40	20.33	20.44	20.37	21	16QAM	20MHz	1	99
19.52	19.45	19.55	19.49	20	16QAM	20MHz	50	0
19.46	19.39	19.50	19.42	20	16QAM	20MHz	50	25
19.41	19.34	19.44	19.38	20	16QAM	20MHz	50	50
19.57	19.53	19.59	19.55	20	16QAM	20MHz	100	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55315	55765	56215	56665	Channel				
3557.5	3602.5	3647.5	3692.5	Freq. (MHz)				
21.47	21.50	21.49	21.47	22	QPSK	15MHz	1	0
21.47	21.34	21.54	21.40	22	QPSK	15MHz	1	37
21.42	21.42	21.43	21.39	22	QPSK	15MHz	1	74
20.55	20.39	20.49	20.47	21	QPSK	15MHz	36	0
20.48	20.35	20.50	20.37	21	QPSK	15MHz	36	19
20.42	20.40	20.39	20.32	21	QPSK	15MHz	36	39
20.44	20.38	20.55	20.44	21	QPSK	15MHz	75	0
20.44	20.38	20.48	20.52	21	16QAM	15MHz	1	0
20.39	20.39	20.44	20.39	21	16QAM	15MHz	1	37
20.30	20.25	20.41	20.40	21	16QAM	15MHz	1	74
19.46	19.43	19.50	19.49	20	16QAM	15MHz	36	0
19.42	19.38	19.47	19.42	20	16QAM	15MHz	36	19
19.40	19.29	19.34	19.32	20	16QAM	15MHz	36	39
19.52	19.50	19.56	19.42	20	16QAM	15MHz	75	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55290	55757	56223	56690	Channel				
3555	3601.7	3648.3	3695	Freq. (MHz)				
21.48	21.40	21.49	21.50	22	QPSK	10MHz	1	0
21.44	21.24	21.45	21.36	22	QPSK	10MHz	1	24
21.35	21.27	21.37	21.29	22	QPSK	10MHz	1	49
20.55	20.34	20.42	20.47	21	QPSK	10MHz	25	0
20.40	20.40	20.42	20.37	21	QPSK	10MHz	25	12
20.44	20.29	20.41	20.34	21	QPSK	10MHz	25	25
20.53	20.39	20.48	20.47	21	QPSK	10MHz	50	0
20.46	20.41	20.53	20.49	21	16QAM	10MHz	1	0
20.38	20.32	20.38	20.40	21	16QAM	10MHz	1	24
20.42	20.28	20.39	20.30	21	16QAM	10MHz	1	49
19.55	19.37	19.46	19.51	20	16QAM	10MHz	25	0
19.44	19.37	19.46	19.35	20	16QAM	10MHz	25	12
19.44	19.34	19.39	19.28	20	16QAM	10MHz	25	25
19.43	19.34	19.49	19.43	20	16QAM	10MHz	50	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55265	55748	56232	56715	Channel				
3552.5	3600.8	3649.2	3697.5	Freq. (MHz)				
21.52	21.45	21.49	21.34	22	QPSK	5MHz	1	0
21.41	21.34	21.47	21.39	22	QPSK	5MHz	1	12
21.35	21.24	21.32	21.29	22	QPSK	5MHz	1	24
20.40	20.40	20.50	20.35	21	QPSK	5MHz	12	0
20.40	20.42	20.43	20.38	21	QPSK	5MHz	12	6
20.26	20.22	20.39	20.30	21	QPSK	5MHz	12	13
20.44	20.29	20.42	20.33	21	QPSK	5MHz	25	0
20.44	20.47	20.47	20.42	21	16QAM	5MHz	1	0
20.40	20.34	20.44	20.36	21	16QAM	5MHz	1	12
20.35	20.26	20.39	20.31	21	16QAM	5MHz	1	24
19.47	19.39	19.47	19.33	20	16QAM	5MHz	12	0
19.35	19.33	19.53	19.39	20	16QAM	5MHz	12	6
19.30	19.25	19.46	19.35	20	16QAM	5MHz	12	13
19.40	19.29	19.45	19.41	20	16QAM	5MHz	25	0

LTE Band 66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
132072	132322	132572	Channel				
1720	1745	1770	Freq. (MHz)				
23.39	23.46	23.42	24	QPSK	20MHz	1	0
23.35	23.42	23.39	24	QPSK	20MHz	1	49
23.32	23.39	23.35	24	QPSK	20MHz	1	99
22.37	22.45	22.40	23	QPSK	20MHz	50	0
22.34	22.40	22.37	23	QPSK	20MHz	50	25
22.30	22.37	22.33	23	QPSK	20MHz	50	50
22.33	22.42	22.37	23	QPSK	20MHz	100	0
22.33	22.40	22.36	23	16QAM	20MHz	1	0
22.28	22.36	22.32	23	16QAM	20MHz	1	49
22.24	22.31	22.28	23	16QAM	20MHz	1	99
21.35	21.44	21.40	22	16QAM	20MHz	50	0
21.31	21.40	21.35	22	16QAM	20MHz	50	25
21.27	21.35	21.31	22	16QAM	20MHz	50	50
21.39	21.44	21.42	22	16QAM	20MHz	100	0

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
132047	132322	132597	Channel					
1717.5	1745	1772.5	Freq. (MHz)					
23.32	23.37	23.35	24	QPSK	15MHz	1	0	
23.27	23.40	23.33	24	QPSK	15MHz	1	37	
23.32	23.34	23.26	24	QPSK	15MHz	1	74	
22.30	22.37	22.34	23	QPSK	15MHz	36	0	
22.26	22.31	22.33	23	QPSK	15MHz	36	19	
22.27	22.37	22.24	23	QPSK	15MHz	36	39	
22.33	22.32	22.31	23	QPSK	15MHz	75	0	
22.33	22.31	22.27	23	16QAM	15MHz	1	0	
22.21	22.28	22.31	23	16QAM	15MHz	1	37	
22.19	22.25	22.28	23	16QAM	15MHz	1	74	
21.34	21.39	21.40	22	16QAM	15MHz	36	0	
21.26	21.40	21.27	22	16QAM	15MHz	36	19	
21.23	21.25	21.23	22	16QAM	15MHz	36	39	
21.30	21.39	21.39	22	16QAM	15MHz	75	0	

LTE Band 66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
132022	132322	132622	Channel				
1715	1745	1775	Freq. (MHz)				
23.38	23.44	23.32	24	QPSK	10MHz	1	0
23.23	23.26	23.30	24	QPSK	10MHz	1	24
23.19	23.29	23.27	24	QPSK	10MHz	1	49
22.30	22.22	22.27	23	QPSK	10MHz	25	0
22.16	22.19	22.20	23	QPSK	10MHz	25	12
22.05	22.29	22.15	23	QPSK	10MHz	25	25
22.16	22.32	22.24	23	QPSK	10MHz	50	0
22.28	22.19	22.19	23	16QAM	10MHz	1	0
22.18	22.17	22.17	23	16QAM	10MHz	1	24
22.05	22.08	22.24	23	16QAM	10MHz	1	49
21.23	21.25	21.24	22	16QAM	10MHz	25	0
21.25	21.36	21.23	22	16QAM	10MHz	25	12
21.19	21.16	21.14	22	16QAM	10MHz	25	25
21.24	21.33	21.25	22	16QAM	10MHz	50	0

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
131997	132322	132647	Channel					
1712.5	1745	1777.5	Freq. (MHz)					
23.27	23.30	23.25	24	QPSK	5MHz	1	0	
23.23	23.38	23.11	24	QPSK	5MHz	1	12	
23.07	23.16	23.29	24	QPSK	5MHz	1	24	
22.34	22.26	22.32	23	QPSK	5MHz	12	0	
22.26	22.26	22.23	23	QPSK	5MHz	12	6	
22.23	22.29	22.04	23	QPSK	5MHz	12	13	
22.23	22.24	22.28	23	QPSK	5MHz	25	0	
22.32	22.28	22.20	23	16QAM	5MHz	1	0	
22.24	22.29	22.18	23	16QAM	5MHz	1	12	
22.21	22.13	22.09	23	16QAM	5MHz	1	24	
21.23	21.40	21.25	22	16QAM	5MHz	12	0	
21.20	21.31	21.14	22	16QAM	5MHz	12	6	
21.03	21.17	21.21	22	16QAM	5MHz	12	13	
21.25	21.32	21.26	22	16QAM	5MHz	25	0	

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
131987	132322	132657	Channel					
1711.5	1745	1778.5	Freq. (MHz)					
23.17	23.35	23.26	24	QPSK	3MHz	1	0	
23.18	23.32	23.25	24	QPSK	3MHz	1	7	
23.22	23.22	23.12	24	QPSK	3MHz	1	14	
22.28	22.29	22.23	23	QPSK	3MHz	8	0	
22.11	22.30	22.18	23	QPSK	3MHz	8	3	
22.10	22.25	22.27	23	QPSK	3MHz	8	7	
22.13	22.32	22.17	23	QPSK	3MHz	15	0	
22.17	22.23	22.24	23	16QAM	3MHz	1	0	
22.10	22.16	22.16	23	16QAM	3MHz	1	7	
22.08	22.12	22.06	23	16QAM	3MHz	1	14	
21.11	21.20	21.25	22	16QAM	3MHz	8	0	
21.19	21.29	21.33	22	16QAM	3MHz	8	3	
21.07	21.18	21.15	22	16QAM	3MHz	8	7	
21.21	21.41	21.23	22	16QAM	3MHz	15	0	

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
131979	132322	132665	Channel					
1710.7	1745	1779.3	Freq. (MHz)					
23.38	23.23	23.36	24	QPSK	1.4MHz	1	0	
23.10	23.18	23.24	24	QPSK	1.4MHz	1	2	
23.18	23.33	23.14	24	QPSK	1.4MHz	1	5	
23.18	23.38	23.28	24	QPSK	1.4MHz	3	0	
23.28	23.23	23.16	24	QPSK	1.4MHz	3	1	
23.29	23.27	23.20	24	QPSK	1.4MHz	3	3	
22.21	22.34	22.30	23	QPSK	1.4MHz	6	0	
22.20	22.21	22.24	23	16QAM	1.4MHz	1	0	
22.22	22.14	22.25	23	16QAM	1.4MHz	1	2	
22.09	22.13	22.09	23	16QAM	1.4MHz	1	5	
22.19	22.33	22.32	23	16QAM	1.4MHz	3	0	
22.19	22.29	22.22	23	16QAM	1.4MHz	3	1	
22.11	22.27	22.17	23	16QAM	1.4MHz	3	3	
21.20	21.35	21.35	22	16QAM	1.4MHz	6	0	

LTE Band 71							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
133222	133322	133372	Channel				
673	683	688	Freq. (MHz)				
24.16	24.24	24.20	25	QPSK	20MHz	1	0
24.12	24.20	24.15	25	QPSK	20MHz	1	49
24.07	24.15	24.10	25	QPSK	20MHz	1	99
23.15	23.23	23.18	24	QPSK	20MHz	50	0
23.09	23.19	23.13	24	QPSK	20MHz	50	25
23.04	23.14	23.08	24	QPSK	20MHz	50	50
23.19	23.26	23.22	24	QPSK	20MHz	100	0
23.15	23.23	23.19	24	16QAM	20MHz	1	0
23.11	23.18	23.15	24	16QAM	20MHz	1	49
23.06	23.14	23.09	24	16QAM	20MHz	1	99
22.17	22.25	22.21	23	16QAM	20MHz	50	0
22.15	22.21	22.18	23	16QAM	20MHz	50	25
22.11	22.17	22.15	23	16QAM	20MHz	50	50
22.16	22.23	22.19	23	16QAM	20MHz	100	0

LTE Band 71								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
133197	133297	133397	Channel					
670.5	680.5	690.5	Freq. (MHz)					
24.12	24.19	24.14	25	QPSK	15MHz	1	0	
24.05	24.14	24.12	25	QPSK	15MHz	1	37	
23.98	24.08	24.01	25	QPSK	15MHz	1	74	
23.15	23.18	23.12	24	QPSK	15MHz	36	0	
23.06	23.09	23.13	24	QPSK	15MHz	36	19	
22.98	23.12	22.98	24	QPSK	15MHz	36	39	
23.09	23.18	23.21	24	QPSK	15MHz	75	0	
23.10	23.14	23.14	24	16QAM	15MHz	1	0	
23.09	23.17	23.14	24	16QAM	15MHz	1	37	
22.98	23.07	23.02	24	16QAM	15MHz	1	74	
22.07	22.23	22.21	23	16QAM	15MHz	36	0	
22.13	22.15	22.14	23	16QAM	15MHz	36	19	
22.10	22.07	22.09	23	16QAM	15MHz	36	39	
22.07	22.23	22.17	23	16QAM	15MHz	75	0	

LTE Band 71							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
133172	133272	133422	Channel				
668	678	693	Freq. (MHz)				
24.11	24.08	24.04	25	QPSK	10MHz	1	0
24.06	24.04	24.03	25	QPSK	10MHz	1	24
23.90	24.00	23.89	25	QPSK	10MHz	1	49
23.02	23.08	23.00	24	QPSK	10MHz	25	0
23.02	23.13	23.02	24	QPSK	10MHz	25	12
22.81	23.08	22.88	24	QPSK	10MHz	25	25
23.02	23.09	23.07	24	QPSK	10MHz	50	0
22.97	22.98	23.03	24	16QAM	10MHz	1	0
22.98	23.06	22.96	24	16QAM	10MHz	1	24
22.85	23.00	22.95	24	16QAM	10MHz	1	49
22.09	22.16	22.05	23	16QAM	10MHz	25	0
22.01	22.07	21.97	23	16QAM	10MHz	25	12
21.96	22.05	22.00	23	16QAM	10MHz	25	25
22.12	22.09	22.15	23	16QAM	10MHz	50	0

LTE Band 71								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
133147	133247	133447	Channel					
665.5	675.5	695.5	Freq. (MHz)					
24.04	24.11	24.08	25	QPSK	5MHz	1	0	
24.10	24.06	23.82	25	QPSK	5MHz	1	12	
23.93	24.02	23.86	25	QPSK	5MHz	1	24	
22.93	23.13	22.94	24	QPSK	5MHz	12	0	
23.03	23.04	22.87	24	QPSK	5MHz	12	6	
22.94	23.03	22.92	24	QPSK	5MHz	12	13	
23.03	23.20	23.08	24	QPSK	5MHz	25	0	
22.98	23.03	23.15	24	16QAM	5MHz	1	0	
23.07	23.00	23.02	24	16QAM	5MHz	1	12	
22.89	22.99	22.95	24	16QAM	5MHz	1	24	
22.04	22.09	21.99	23	16QAM	5MHz	12	0	
21.98	22.14	22.03	23	16QAM	5MHz	12	6	
21.95	22.01	21.96	23	16QAM	5MHz	12	13	
22.12	22.13	22.12	23	16QAM	5MHz	25	0	

<Laptop Mode MAX Tune-up Power>

WLAN 2.4 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11b	1	2412	19.50	19.50	-
	6	2437	20.25	20.25	-
	11	2462	19.50	19.50	-
	12	2467	18.50	18.50	-
	13	2472	15.50	15.50	-
802.11g	1	2412	17.00	17.00	-
	6	2437	19.75	19.75	-
	11	2462	16.25	16.50	-
	12	2467	15.00	15.00	-
	13	2472	1.50	1.50	-
802.11n HT20	1	2412	17.00	17.00	17.00
	6	2437	19.75	19.75	20.50
	11	2462	16.00	16.50	16.75
	12	2467	15.00	15.00	15.50
	13	2472	1.50	1.50	2.00
802.11n HT40	3	2422	16.50	16.50	16.75
	6	2437	17.50	17.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.00	5.00	5.00
802.11ax HE20	1	2412	17.00	17.00	17.00
	6	2437	19.75	19.75	20.50
	11	2462	16.00	16.00	16.75
	12	2467	15.00	15.00	15.50
	13	2472	1.50	1.50	2.00
802.11ax HE40	3	2422	16.50	16.50	16.75
	6	2437	16.50	16.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.00	4.50	6.00

WLAN 5.2 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	36	5180	15.00	15.00	---
	40	5200	15.00	15.00	---
	44	5220	15.00	15.00	---
	48	5240	15.00	15.00	---
802.11n HT20	36	5180	15.00	15.00	18.00
	40	5200	15.00	15.00	18.00
	44	5220	15.00	15.00	18.00
	48	5240	15.00	15.00	18.00
802.11n HT40	38	5190	15.00	15.00	18.00
	46	5230	15.00	15.00	18.00
802.11ac VHT80	42	5210	15.00	15.00	18.00
802.11ax HE20	36	5180	15.00	15.00	18.00
	40	5200	15.00	15.00	18.00
	44	5220	15.00	15.00	18.00
	48	5240	15.00	15.00	18.00
802.11ax HE40	38	5190	15.00	15.00	18.00
	46	5230	15.00	15.00	18.00
802.11ax HE80	42	5210	15.00	15.00	18.00

WLAN 5.3 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	52	5260	15.00	15.00	-
	56	5280	15.00	15.00	-
	60	5300	15.00	15.00	-
	64	5320	15.00	15.00	-
802.11n HT20	52	5260	15.00	15.00	18.00
	56	5280	15.00	15.00	18.00
	60	5300	15.00	15.00	18.00
	64	5320	15.00	15.00	16.50
802.11n HT40	54	5270	15.00	15.00	18.00
	62	5310	15.00	15.00	16.00
802.11ac VHT80	58	5290	15.00	15.00	17.00
802.11ac VHT160	50	5250	14.75	15.00	15.00
802.11ax HE20	52	5260	15.00	15.00	18.00
	56	5280	15.00	15.00	18.00
	60	5300	15.00	15.00	18.00
	64	5320	15.00	15.00	16.50
802.11ax HE40	54	5270	15.00	15.00	18.00
	62	5310	15.00	15.00	16.00
802.11ax HE80	58	5290	15.00	15.00	17.00
802.11ax HE160	50	5250	14.75	15.00	15.00

WLAN 5.6 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	100	5500	15.00	15.00	---
	116	5580	15.00	15.00	---
	124	5620	15.00	15.00	---
	132	5660	15.00	15.00	---
	140	5700	15.00	15.00	---
	144	5720	15.00	15.00	---
802.11n HT20	100	5500	15.00	15.00	17.00
	116	5580	15.00	15.00	18.00
	124	5620	15.00	15.00	18.00
	132	5660	15.00	15.00	18.00
	140	5700	15.00	15.00	17.50
	144	5720	15.00	15.00	18.00
802.11n HT40	102	5510	15.00	15.00	17.00
	110	5550	15.00	15.00	18.00
	126	5630	15.00	15.00	18.00
	134	5670	15.00	15.00	18.00
	142	5710	15.00	15.00	18.00
802.11ac VHT80	106	5530	15.00	15.00	18.00
	122	5610	15.00	15.00	18.00
	138	5690	15.00	15.00	18.00
802.11ac VHT160	114	5570	14.50	14.50	15.00
802.11ax HE20	100	5500	15.00	15.00	17.00
	116	5580	15.00	15.00	18.00
	124	5620	15.00	15.00	18.00
	132	5660	15.00	15.00	18.00
	140	5700	15.00	15.00	17.00
	144	5720	15.00	15.00	18.00
802.11ax HE40	102	5510	15.00	15.00	17.00
	110	5550	15.00	15.00	18.00
	126	5630	15.00	15.00	18.00
	134	5670	15.00	15.00	18.00
	142	5710	15.00	15.00	18.00
802.11ax HE80	106	5530	15.00	15.00	18.00
	122	5610	15.00	15.00	18.00
	138	5690	15.00	15.00	18.00
802.11ax HE160	114	5570	14.50	14.50	15.00

WLAN 5.8 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	149	5745	15.00	15.00	---
	157	5785	15.00	15.00	---
	165	5825	15.00	15.00	---
	169	5845	15.00	15.00	---
	173	5865	15.00	15.00	---
	177	5885	15.00	15.00	---
802.11n HT20	149	5745	15.00	15.00	18.00
	157	5785	15.00	15.00	18.00
	165	5825	15.00	15.00	18.00
	169	5845	15.00	15.00	15.25
	173	5865	15.00	15.00	15.25
	177	5885	15.00	15.00	15.25
802.11n HT40	151	5755	15.00	15.00	18.00
	159	5795	15.00	15.00	18.00
	167	5835	15.00	15.00	18.00
	175	5875	15.00	15.00	18.00
802.11ac VHT80	155	5775	15.00	15.00	18.00
	171	5855	15.00	15.00	18.00
802.11ac VHT160	163	5815	15.00	15.00	17.25
802.11ax HE20	149	5745	15.00	15.00	18.00
	157	5785	15.00	15.00	18.00
	165	5825	15.00	15.00	18.00
	169	5845	15.00	15.00	15.25
	173	5865	15.00	15.00	15.25
	177	5885	15.00	15.00	15.25
802.11ax HE40	151	5755	15.00	15.00	18.00
	159	5795	15.00	15.00	18.00
	167	5835	15.00	15.00	18.00
	175	5875	15.00	15.00	18.00
802.11ax HE80	155	5775	15.00	15.00	18.00
	171	5855	15.00	15.00	18.00
802.11ax HE160	163	5815	15.00	15.00	17.25

BT 2.0 / 3.0 Tune-up Power				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
BR / EDR 1Mbps (GFSK)	0	2402	-	10.50
	39	2441	-	10.50
	78	2480	-	10.50
BR / EDR 2Mbps ($\pi/4$ DQPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00
BR / EDR 3Mbps (8-DPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00

BT 4.0 / 5.0 Tune-up Power				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
LE 1Mbps (GFSK)	0	2402	-	7.00
	19	2440	-	7.00
	39	2480	-	7.00
LE 2Mbps ($\pi/4$ DQPSK)	1	2404	-	7.00
	19	2440	-	7.00
	38	2478	-	7.00

<Laptop Mode MAX Conducted Power>

WLAN 2.4 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11b	1	2412	19.34	19.50	19.29	19.50	-	-	-	-
	6	2437	20.20	20.25	20.22	20.25	-	-	-	-
	11	2462	19.32	19.50	19.44	19.50	-	-	-	-
	12	2467	18.33	18.50	18.36	18.50	-	-	-	-
	13	2472	15.41	15.50	15.32	15.50	-	-	-	-
802.11g	1	2412	16.88	17.00	16.93	17.00	-	-	-	-
	6	2437	19.62	19.75	19.69	19.75	-	-	-	-
	11	2462	16.11	16.25	16.37	16.50	-	-	-	-
	12	2467	14.87	15.00	14.87	15.00	-	-	-	-
	13	2472	1.29	1.50	1.34	1.50	-	-	-	-
802.11n HT20	1	2412	16.93	17.00	16.88	17.00	13.74	13.51	16.64	17.00
	6	2437	19.63	19.75	19.62	19.75	17.26	17.31	20.30	20.50
	11	2462	15.92	16.00	16.42	16.50	13.45	13.30	16.39	16.75
	12	2467	14.93	15.00	14.89	15.00	12.28	11.92	15.11	15.50
	13	2472	1.42	1.50	1.42	1.50	-1.42	-0.74	1.94	2.00
802.11n HT40	3	2422	16.38	16.50	16.34	16.50	13.62	13.56	16.60	16.75
	6	2437	17.39	17.50	17.40	17.50	15.33	15.29	18.32	18.50
	9	2452	15.90	16.00	15.92	16.00	13.35	13.29	16.33	16.50
	10	2457	12.13	12.25	11.78	12.00	9.66	9.62	12.65	12.75
	11	2462	4.87	5.00	4.88	5.00	1.85	1.79	4.83	5.00
802.11ax HE20	1	2412	16.86	17.00	16.89	17.00	13.81	13.85	16.84	17.00
	6	2437	19.62	19.75	19.64	19.75	17.26	17.18	20.23	20.50
	11	2462	15.84	16.00	15.90	16.00	13.62	13.56	16.60	16.75
	12	2467	14.89	15.00	14.85	15.00	12.33	12.29	15.32	15.50
	13	2472	1.37	1.50	1.35	1.50	-1.19	-1.17	1.83	2.00
802.11ax HE40	3	2422	16.38	16.50	16.41	16.50	13.62	13.60	16.62	16.75
	6	2437	16.42	16.50	16.43	16.50	15.43	15.35	18.40	18.50
	9	2452	15.89	16.00	15.92	16.00	13.30	13.30	16.31	16.50
	10	2457	12.11	12.25	11.89	12.00	9.55	9.61	12.59	12.75
	11	2462	4.92	5.00	4.41	4.50	2.84	2.80	5.83	6.00

WLAN 5.2 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	36	5180	14.72	15.00	14.86	15.00	-	-	---	---
	40	5200	14.85	15.00	14.66	15.00	-	-	---	---
	44	5220	14.77	15.00	14.77	15.00	-	-	---	---
	48	5240	14.71	15.00	14.84	15.00	-	-	---	---
802.11n HT20	36	5180	14.89	15.00	14.80	15.00	14.70	14.76	17.74	18.00
	40	5200	14.89	15.00	14.88	15.00	14.81	14.83	17.83	18.00
	44	5220	14.83	15.00	14.66	15.00	14.65	14.83	17.75	18.00
	48	5240	14.90	15.00	14.81	15.00	14.76	14.79	17.79	18.00
802.11n HT40	38	5190	14.91	15.00	14.85	15.00	14.87	14.84	17.87	18.00
	46	5230	14.75	15.00	14.86	15.00	14.86	14.92	17.90	18.00
802.11ac VHT80	42	5210	14.92	15.00	14.90	15.00	14.82	14.85	17.85	18.00
802.11ax HE20	36	5180	14.80	15.00	14.73	15.00	14.88	14.88	17.89	18.00
	40	5200	14.81	15.00	14.73	15.00	14.79	14.85	17.83	18.00
	44	5220	14.86	15.00	14.83	15.00	14.83	14.85	17.85	18.00
	48	5240	14.80	15.00	14.68	15.00	14.90	14.79	17.86	18.00
802.11ax HE40	38	5190	14.70	15.00	14.71	15.00	14.84	14.82	17.84	18.00
	46	5230	14.80	15.00	14.74	15.00	14.77	14.82	17.81	18.00
802.11ax HE80	42	5210	14.76	15.00	14.86	15.00	14.78	14.77	17.79	18.00

WLAN 5.3 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	52	5260	14.93	15.00	14.89	15.00	-	-	-	-
	56	5280	14.87	15.00	14.85	15.00	-	-	-	-
	60	5300	14.82	15.00	14.76	15.00	-	-	-	-
	64	5320	14.54	15.00	14.86	15.00	-	-	-	-
802.11n HT20	52	5260	14.90	15.00	14.64	15.00	14.96	14.67	17.83	18.00
	56	5280	14.84	15.00	14.82	15.00	14.94	14.73	17.85	18.00
	60	5300	14.90	15.00	14.52	15.00	14.94	14.61	17.79	18.00
	64	5320	14.76	15.00	14.74	15.00	13.21	13.04	16.14	16.50
802.11n HT40	54	5270	14.84	15.00	14.90	15.00	14.88	14.70	17.80	18.00
	62	5310	14.81	15.00	14.92	15.00	12.93	12.51	15.74	16.00
802.11ac VHT80	58	5290	14.94	15.00	14.97	15.00	13.83	13.77	16.81	17.00
802.11ac VHT160	50	5250	14.61	14.75	14.83	15.00	11.80	11.82	14.82	15.00
802.11ax HE20	52	5260	14.73	15.00	14.74	15.00	14.75	14.89	17.83	18.00
	56	5280	14.92	15.00	14.88	15.00	14.84	14.57	17.72	18.00
	60	5300	14.83	15.00	14.90	15.00	14.68	14.66	17.68	18.00
	64	5320	14.61	15.00	14.80	15.00	13.33	13.27	16.31	16.50
802.11ax HE40	54	5270	14.74	15.00	14.95	15.00	14.79	14.75	17.78	18.00
	62	5310	14.93	15.00	14.80	15.00	12.90	12.84	15.88	16.00
802.11ax HE80	58	5290	14.91	15.00	14.85	15.00	13.82	13.74	16.79	17.00
802.11ax HE160	50	5250	14.62	14.75	14.82	15.00	11.85	11.83	14.85	15.00

WLAN 5.6 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	100	5500	14.85	15.00	14.80	15.00	-	-	---	---
	116	5580	14.90	15.00	14.87	15.00	-	-	---	---
	124	5620	14.91	15.00	14.86	15.00	-	-	---	---
	132	5660	14.89	15.00	14.90	15.00	-	-	---	---
	140	5700	14.87	15.00	14.88	15.00	-	-	---	---
	144	5720	14.83	15.00	14.77	15.00	-	-	---	---
802.11n HT20	100	5500	14.82	15.00	14.80	15.00	13.86	13.80	16.84	17.00
	116	5580	14.87	15.00	14.77	15.00	14.86	14.72	17.80	18.00
	124	5620	14.85	15.00	14.82	15.00	14.83	14.85	17.85	18.00
	132	5660	14.92	15.00	14.84	15.00	14.87	14.79	17.84	18.00
	140	5700	14.87	15.00	14.78	15.00	14.35	14.39	17.38	17.50
	144	5720	14.89	15.00	14.82	15.00	14.90	14.80	17.86	18.00
802.11n HT40	102	5510	14.88	15.00	14.89	15.00	13.92	13.84	16.89	17.00
	110	5550	14.96	15.00	14.89	15.00	14.87	14.84	17.87	18.00
	126	5630	14.78	15.00	14.88	15.00	14.81	14.84	17.84	18.00
	134	5670	14.89	15.00	14.83	15.00	14.82	14.88	17.86	18.00
	142	5710	14.90	15.00	14.82	15.00	14.83	14.77	17.81	18.00
802.11ac VHT80	106	5530	14.92	15.00	14.90	15.00	14.87	14.82	17.86	18.00
	122	5610	14.88	15.00	14.82	15.00	14.90	14.84	17.88	18.00
	138	5690	14.96	15.00	14.94	15.00	14.91	14.93	17.93	18.00
802.11ac VHT160	114	5570	14.32	14.50	14.39	14.50	11.90	11.78	14.85	15.00
802.11ax HE20	100	5500	14.87	15.00	14.78	15.00	13.86	13.90	16.89	17.00
	116	5580	14.75	15.00	14.72	15.00	14.82	14.86	17.85	18.00
	124	5620	14.82	15.00	14.89	15.00	14.85	14.78	17.83	18.00
	132	5660	14.87	15.00	14.87	15.00	14.80	14.86	17.84	18.00
	140	5700	14.85	15.00	14.86	15.00	13.90	13.86	16.89	17.00
	144	5720	14.82	15.00	14.80	15.00	14.84	14.88	17.87	18.00
802.11ax HE40	102	5510	14.89	15.00	14.73	15.00	13.86	13.78	16.83	17.00
	110	5550	14.75	15.00	14.89	15.00	14.92	14.77	17.86	18.00
	126	5630	14.89	15.00	14.56	15.00	14.91	14.80	17.87	18.00
	134	5670	14.77	15.00	14.66	15.00	14.84	14.90	17.88	18.00
	142	5710	14.87	15.00	14.92	15.00	14.86	14.80	17.84	18.00
802.11ax HE80	106	5530	14.84	15.00	14.83	15.00	14.81	14.84	17.84	18.00
	122	5610	14.80	15.00	14.84	15.00	14.89	14.85	17.88	18.00
	138	5690	14.78	15.00	14.70	15.00	14.79	14.90	17.86	18.00
802.11ax HE160	114	5570	14.34	14.50	14.34	14.50	11.85	11.89	14.88	15.00

WLAN 5.8 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	149	5745	14.49	15.00	14.41	15.00	-	-	---	---
	157	5785	14.51	15.00	14.42	15.00	-	-	---	---
	165	5825	14.59	15.00	14.63	15.00	-	-	---	---
	169	5845	14.53	15.00	14.59	15.00	-	-	---	---
	173	5865	14.53	15.00	14.58	15.00	-	-	---	---
	177	5885	14.68	15.00	14.52	15.00	-	-	---	---
802.11n HT20	149	5745	14.58	15.00	14.55	15.00	14.71	14.80	17.77	18.00
	157	5785	14.65	15.00	14.44	15.00	14.63	14.78	17.72	18.00
	165	5825	14.45	15.00	14.51	15.00	14.71	14.56	17.65	18.00
	169	5845	14.45	15.00	14.48	15.00	12.11	12.07	15.10	15.25
	173	5865	14.64	15.00	14.61	15.00	12.13	12.17	15.16	15.25
	177	5885	14.58	15.00	14.52	15.00	12.09	12.13	15.12	15.25
802.11n HT40	151	5755	14.59	15.00	14.61	15.00	14.80	14.81	17.82	18.00
	159	5795	14.51	15.00	14.57	15.00	14.73	14.70	17.73	18.00
	167	5835	14.51	15.00	14.55	15.00	14.75	14.79	17.78	18.00
	175	5875	14.57	15.00	14.53	15.00	14.70	14.69	17.71	18.00
802.11ac VHT80	155	5775	14.72	15.00	14.78	15.00	14.77	14.80	17.80	18.00
	171	5855	14.68	15.00	14.66	15.00	14.63	14.89	17.77	18.00
802.11ac VHT160	163	5815	14.67	15.00	14.77	15.00	14.11	14.13	17.13	17.25
802.11ax HE20	149	5745	14.67	15.00	14.67	15.00	14.79	14.58	17.70	18.00
	157	5785	14.54	15.00	14.50	15.00	14.51	14.76	17.65	18.00
	165	5825	14.46	15.00	14.40	15.00	14.56	14.76	17.67	18.00
	169	5845	14.71	15.00	14.58	15.00	12.17	12.09	15.14	15.25
	173	5865	14.56	15.00	14.57	15.00	12.13	12.05	15.10	15.25
	177	5885	14.52	15.00	14.53	15.00	12.25	12.17	15.22	15.25
802.11ax HE40	151	5755	14.56	15.00	14.52	15.00	14.74	14.58	17.67	18.00
	159	5795	14.48	15.00	14.69	15.00	14.59	14.80	17.71	18.00
	167	5835	14.61	15.00	14.64	15.00	14.71	14.68	17.71	18.00
	175	5875	14.59	15.00	14.66	15.00	14.82	14.76	17.80	18.00
802.11ax HE80	155	5775	14.69	15.00	14.65	15.00	14.66	14.90	17.79	18.00
	171	5855	17.88	15.00	17.77	15.00	14.87	14.65	17.77	18.00
802.11ax HE160	163	5815	15.19	15.00	15.13	15.00	14.16	14.08	17.13	17.25

BT 2.0 / 3.0						
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
BR / EDR 1Mbps (GFSK)	0	2402	-	-	9.72	10.50
	39	2441	-	-	9.87	10.50
	78	2480	-	-	9.82	10.50
BR / EDR 2Mbps ($\pi/4$ DQPSK)	0	2402	-	-	8.09	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.27	10.00
BR / EDR 3Mbps (8- DPSK)	0	2402	-	-	8.11	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.28	10.00

BT 4.0 / 5.0						
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
LE 1Mbps (GFSK)	0	2402	-	-	6.47	7.00
	19	2440	-	-	6.85	7.00
	39	2480	-	-	6.56	7.00
LE 2Mbps ($\pi/4$ DQPSK)	1	2404	-	-	6.41	7.00
	19	2440	-	-	6.80	7.00
	38	2478	-	-	6.56	7.00

<Tablet Mode MAX Tune-up Power>

WCDMA Band		Maximum Tune-up
II	RMC12.2K	22
	HSDPA DC-HSDPA	22
	HSUPA HSPA+	22
IV	RMC12.2K	21
	HSDPA DC-HSDPA	21
	HSUPA HSPA+	21

LTE Band		Maximum Tune-up
2	FDD	22
4	FDD	22
7	FDD	17
12	FDD	24
13	FDD	24
17	FDD	24
25	FDD	22
30	FDD	19
38	TDD	21
41_PC3	TDD	21
41_PC2	TDD	21
48	TDD	20
66	FDD	22

	Uplink Channel	9262	9400	9538	Tune up (dBm)	MPR
	Uplink Frequency	1852.4	1880.0	1907.6		
WCDMA II	RMC_12.2Kbps	21.81	21.87	21.77	22	-
	HSDPA_Subtest 1	21.71	21.78	21.71	22	0
	HSDPA_Subtest 2	21.8	21.77	21.76	22	0
	HSDPA_Subtest 3	21.79	21.86	21.75	22	0
	HSDPA_Subtest 4	21.73	21.79	21.7	22	0
	HSUPA_Subtest 1	21.72	21.79	21.71	22	0
	HSUPA_Subtest 2	21.81	21.81	21.69	22	0
	HSUPA_Subtest 3	21.74	21.77	21.76	22	0
	HSUPA_Subtest 4	21.75	21.81	21.73	22	0
	HSUPA_Subtest 5	21.74	21.83	21.77	22	0
	DC-HSDPA_Subtest 1	21.72	21.8	21.75	22	0
	DC-HSDPA_Subtest 2	21.78	21.81	21.77	22	0
	DC-HSDPA_Subtest 3	21.75	21.84	21.73	22	0
	DC-HSDPA_Subtest 4	21.75	21.77	21.72	22	0
	HSPA+_Subtest 1	21.72	21.79	21.7	22	0

	Uplink Channel	1312	1413	1513	Tune up (dBm)	MPR
	Uplink Frequency	1712.4	1732.6	1752.6		
WCDMA IV	RMC_12.2Kbps	20.49	20.55	20.53	21	-
	HSDPA_Subtest 1	20.47	20.48	20.46	21	0
	HSDPA_Subtest 2	20.41	20.46	20.45	21	0
	HSDPA_Subtest 3	20.43	20.54	20.46	21	0
	HSDPA_Subtest 4	20.46	20.52	20.52	21	0
	HSUPA_Subtest 1	20.4	20.51	20.5	21	0
	HSUPA_Subtest 2	20.45	20.47	20.48	21	0
	HSUPA_Subtest 3	20.48	20.5	20.49	21	0
	HSUPA_Subtest 4	20.43	20.49	20.49	21	0
	HSUPA_Subtest 5	20.43	20.46	20.49	21	0
	DC-HSDPA_Subtest 1	20.47	20.45	20.52	21	0
	DC-HSDPA_Subtest 2	20.4	20.46	20.43	21	0
	DC-HSDPA_Subtest 3	20.42	20.52	20.49	21	0
	DC-HSDPA_Subtest 4	20.39	20.45	20.53	21	0
	HSPA+_Subtest 1	20.43	20.51	20.44	21	0

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18700	18900	19100	Channel				
1860	1880	1900	Freq. (MHz)				
21.26	21.35	21.10	22	QPSK	20MHz	1	0
21.20	21.33	21.04	22	QPSK	20MHz	1	49
21.21	21.29	21.01	22	QPSK	20MHz	1	99
21.18	21.30	21.04	22	QPSK	20MHz	50	0
21.26	21.24	21.01	22	QPSK	20MHz	50	25
21.23	21.25	21.06	22	QPSK	20MHz	50	50
21.16	21.32	21.05	22	QPSK	20MHz	100	0
21.18	21.30	21.10	22	16QAM	20MHz	1	0
21.21	21.32	21.10	22	16QAM	20MHz	1	49
21.24	21.30	21.06	22	16QAM	20MHz	1	99
21.21	21.29	21.07	22	16QAM	20MHz	50	0
21.25	21.22	21.05	22	16QAM	20MHz	50	25
21.24	21.27	21.07	22	16QAM	20MHz	50	50
21.17	21.30	21.10	22	16QAM	20MHz	100	0

LTE Band 2								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
18675	18900	19125	Channel					
1857.5	1880	1902.5	Freq. (MHz)					
21.24	21.25	21.04	22	QPSK	15MHz	1	0	
21.13	21.33	20.96	22	QPSK	15MHz	1	37	
21.21	21.20	20.96	22	QPSK	15MHz	1	74	
21.09	21.21	20.94	22	QPSK	15MHz	36	0	
21.26	21.28	20.96	22	QPSK	15MHz	36	19	
21.15	21.19	20.97	22	QPSK	15MHz	36	39	
21.13	21.26	20.97	22	QPSK	15MHz	75	0	
21.16	21.29	21.02	22	16QAM	15MHz	1	0	
21.15	21.30	21.06	22	16QAM	15MHz	1	37	
21.22	21.28	21.00	22	16QAM	15MHz	1	74	
21.15	21.28	21.02	22	16QAM	15MHz	36	0	
21.18	21.27	20.98	22	16QAM	15MHz	36	19	
21.22	21.26	21.05	22	16QAM	15MHz	36	39	
21.13	21.26	21.05	22	16QAM	15MHz	75	0	

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18650	18900	19150	Channel				
1855	1880	1905	Freq. (MHz)				
21.14	21.13	20.99	22	QPSK	10MHz	1	0
21.04	21.12	20.92	22	QPSK	10MHz	1	24
21.09	21.13	20.86	22	QPSK	10MHz	1	49
21.14	21.23	20.92	22	QPSK	10MHz	25	0
21.02	21.23	20.97	22	QPSK	10MHz	25	12
21.05	21.12	20.98	22	QPSK	10MHz	25	25
21.09	21.20	20.89	22	QPSK	10MHz	50	0
20.96	21.24	20.97	22	16QAM	10MHz	1	0
21.09	21.17	20.98	22	16QAM	10MHz	1	24
21.08	21.22	20.88	22	16QAM	10MHz	1	49
21.13	21.14	20.97	22	16QAM	10MHz	25	0
21.16	21.23	20.95	22	16QAM	10MHz	25	12
21.07	21.21	20.88	22	16QAM	10MHz	25	25
21.02	21.27	20.96	22	16QAM	10MHz	50	0

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18625	18900	19175	Channel				
1852.5	1880	1907.5	Freq. (MHz)				
21.08	21.25	21.05	22	QPSK	5MHz	1	0
21.07	21.22	20.86	22	QPSK	5MHz	1	12
21.02	21.14	20.64	22	QPSK	5MHz	1	24
21.04	21.21	20.74	22	QPSK	5MHz	12	0
21.16	21.14	20.84	22	QPSK	5MHz	12	6
21.03	21.07	20.81	22	QPSK	5MHz	12	13
20.99	21.17	20.84	22	QPSK	5MHz	25	0
21.07	21.22	20.91	22	16QAM	5MHz	1	0
21.11	21.19	21.08	22	16QAM	5MHz	1	12
21.15	21.14	20.92	22	16QAM	5MHz	1	24
21.04	21.13	20.89	22	16QAM	5MHz	12	0
21.08	21.20	20.93	22	16QAM	5MHz	12	6
21.02	21.15	20.90	22	16QAM	5MHz	12	13
21.06	21.23	20.92	22	16QAM	5MHz	25	0

LTE Band 2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
18615	18900	19185	Channel				
1851.5	1880	1908.5	Freq. (MHz)				
21.14	21.25	20.98	22	QPSK	3MHz	1	0
21.13	21.13	20.80	22	QPSK	3MHz	1	7
21.16	21.25	20.91	22	QPSK	3MHz	1	14
21.10	21.25	21.04	22	QPSK	3MHz	8	0
21.21	21.21	20.83	22	QPSK	3MHz	8	3
21.11	21.18	20.99	22	QPSK	3MHz	8	7
21.02	21.23	21.00	22	QPSK	3MHz	15	0
21.00	21.13	20.90	22	16QAM	3MHz	1	0
21.08	21.18	20.95	22	16QAM	3MHz	1	7
21.10	21.28	20.94	22	16QAM	3MHz	1	14
21.08	21.24	21.01	22	16QAM	3MHz	8	0
21.19	21.16	21.01	22	16QAM	3MHz	8	3
21.10	21.08	20.89	22	16QAM	3MHz	8	7
21.09	21.23	20.93	22	16QAM	3MHz	15	0

LTE Band 2								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
18607	18900	19193	Channel					
1850.7	1880	1909.3	Freq. (MHz)					
21.08	21.21	20.96	22	QPSK	1.4MHz	1	0	
21.04	21.20	21.02	22	QPSK	1.4MHz	1	2	
21.05	21.11	20.78	22	QPSK	1.4MHz	1	5	
21.02	21.17	21.00	22	QPSK	1.4MHz	3	0	
21.14	21.20	20.93	22	QPSK	1.4MHz	3	1	
21.03	21.09	20.91	22	QPSK	1.4MHz	3	3	
21.02	21.23	21.00	22	QPSK	1.4MHz	6	0	
21.04	21.10	20.94	22	16QAM	1.4MHz	1	0	
21.05	21.15	20.93	22	16QAM	1.4MHz	1	2	
21.07	21.25	20.96	22	16QAM	1.4MHz	1	5	
21.10	21.17	20.94	22	16QAM	1.4MHz	3	0	
21.10	21.07	20.96	22	16QAM	1.4MHz	3	1	
21.01	21.16	20.88	22	16QAM	1.4MHz	3	3	
21.03	21.14	20.89	22	16QAM	1.4MHz	6	0	

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20050	20175	20300	Channel				
1720	1732.5	1745	Freq. (MHz)				
21.33	21.42	21.37	22	QPSK	20MHz	1	0
21.28	21.36	21.33	22	QPSK	20MHz	1	49
21.31	21.37	21.31	22	QPSK	20MHz	1	99
21.25	21.36	21.26	22	QPSK	20MHz	50	0
21.23	21.35	21.35	22	QPSK	20MHz	50	25
21.28	21.33	21.32	22	QPSK	20MHz	50	50
21.30	21.32	21.27	22	QPSK	20MHz	100	0
21.26	21.38	21.30	22	16QAM	20MHz	1	0
21.33	21.34	21.37	22	16QAM	20MHz	1	49
21.33	21.32	21.33	22	16QAM	20MHz	1	99
21.30	21.31	21.32	22	16QAM	20MHz	50	0
21.26	21.27	21.30	22	16QAM	20MHz	50	25
21.24	21.32	21.28	22	16QAM	20MHz	50	50
21.23	21.24	21.27	22	16QAM	20MHz	100	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20025	20175	20325	Channel				
1717.5	1732.5	1747.5	Freq. (MHz)				
21.30	21.39	21.27	22	QPSK	15MHz	1	0
21.26	21.36	21.31	22	QPSK	15MHz	1	37
21.30	21.36	21.29	22	QPSK	15MHz	1	74
21.25	21.34	21.32	22	QPSK	15MHz	36	0
21.17	21.28	21.33	22	QPSK	15MHz	36	19
21.25	21.29	21.31	22	QPSK	15MHz	36	39
21.27	21.31	21.20	22	QPSK	15MHz	75	0
21.18	21.33	21.21	22	16QAM	15MHz	1	0
21.24	21.26	21.32	22	16QAM	15MHz	1	37
21.30	21.28	21.33	22	16QAM	15MHz	1	74
21.23	21.27	21.31	22	16QAM	15MHz	36	0
21.16	21.34	21.26	22	16QAM	15MHz	36	19
21.18	21.32	21.22	22	16QAM	15MHz	36	39
21.26	21.33	21.19	22	16QAM	15MHz	75	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20000	20175	20350	Channel				
1715	1732.5	1750	Freq. (MHz)				
21.18	21.40	21.28	22	QPSK	10MHz	1	0
21.26	21.27	21.21	22	QPSK	10MHz	1	24
21.20	21.28	21.17	22	QPSK	10MHz	1	49
21.16	21.28	21.13	22	QPSK	10MHz	25	0
21.10	21.34	21.23	22	QPSK	10MHz	25	12
21.13	21.29	21.21	22	QPSK	10MHz	25	25
21.10	21.23	21.16	22	QPSK	10MHz	50	0
21.09	21.27	21.17	22	16QAM	10MHz	1	0
21.15	21.31	21.26	22	16QAM	10MHz	1	24
21.20	21.27	21.18	22	16QAM	10MHz	1	49
21.08	21.26	21.20	22	16QAM	10MHz	25	0
21.11	21.27	21.24	22	16QAM	10MHz	25	12
21.13	21.17	21.13	22	16QAM	10MHz	25	25
21.21	21.20	21.19	22	16QAM	10MHz	50	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
19975	20175	20375	Channel				
1712.5	1732.5	1752.5	Freq. (MHz)				
21.21	21.33	21.15	22	QPSK	5MHz	1	0
21.18	21.21	21.08	22	QPSK	5MHz	1	12
21.10	21.29	21.11	22	QPSK	5MHz	1	24
21.08	21.16	21.09	22	QPSK	5MHz	12	0
21.01	21.21	21.16	22	QPSK	5MHz	12	6
21.12	21.17	21.07	22	QPSK	5MHz	12	13
21.22	21.16	21.17	22	QPSK	5MHz	25	0
21.02	21.24	21.20	22	16QAM	5MHz	1	0
21.16	21.23	21.26	22	16QAM	5MHz	1	12
21.31	21.20	21.24	22	16QAM	5MHz	1	24
21.30	21.16	21.12	22	16QAM	5MHz	12	0
21.15	21.23	21.13	22	16QAM	5MHz	12	6
21.21	21.23	21.19	22	16QAM	5MHz	12	13
21.29	21.18	21.25	22	16QAM	5MHz	25	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
19965	20175	20385	Channel				
1711.5	1732.5	1753.5	Freq. (MHz)				
21.20	21.31	21.31	22	QPSK	3MHz	1	0
21.19	21.25	21.27	22	QPSK	3MHz	1	7
21.14	21.27	21.17	22	QPSK	3MHz	1	14
21.06	21.28	21.24	22	QPSK	3MHz	8	0
21.11	21.16	21.28	22	QPSK	3MHz	8	3
21.09	21.23	21.17	22	QPSK	3MHz	8	7
21.17	21.16	21.22	22	QPSK	3MHz	15	0
21.17	21.33	21.21	22	16QAM	3MHz	1	0
21.22	21.17	21.34	22	16QAM	3MHz	1	7
21.09	21.20	21.22	22	16QAM	3MHz	1	14
21.10	21.24	21.22	22	16QAM	3MHz	8	0
21.12	21.24	21.13	22	16QAM	3MHz	8	3
21.00	21.18	21.19	22	16QAM	3MHz	8	7
21.23	21.28	21.08	22	16QAM	3MHz	15	0

LTE Band 4							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
19957	20175	20393	Channel				
1710.7	1732.5	1754.3	Freq. (MHz)				
21.09	21.38	21.25	22	QPSK	1.4MHz	1	0
21.06	21.28	21.19	22	QPSK	1.4MHz	1	2
21.12	21.20	21.12	22	QPSK	1.4MHz	1	5
21.11	21.22	21.29	22	QPSK	1.4MHz	3	0
21.15	21.27	21.20	22	QPSK	1.4MHz	3	1
21.22	21.23	21.23	22	QPSK	1.4MHz	3	3
21.16	21.25	21.14	22	QPSK	1.4MHz	6	0
21.09	21.33	21.11	22	16QAM	1.4MHz	1	0
21.17	21.17	21.27	22	16QAM	1.4MHz	1	2
21.21	21.12	21.17	22	16QAM	1.4MHz	1	5
21.20	21.22	21.20	22	16QAM	1.4MHz	3	0
21.09	21.23	21.27	22	16QAM	1.4MHz	3	1
21.14	21.29	21.19	22	16QAM	1.4MHz	3	3
21.27	21.17	21.17	22	16QAM	1.4MHz	6	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20850	21100	21350	Channel				
2510	2535	2560	Freq. (MHz)				
16.33	16.41	16.26	17	QPSK	20MHz	1	0
16.32	16.37	16.20	17	QPSK	20MHz	1	49
16.31	16.39	16.23	17	QPSK	20MHz	1	99
16.28	16.39	16.21	17	QPSK	20MHz	50	0
16.27	16.29	16.25	17	QPSK	20MHz	50	25
16.25	16.38	16.20	17	QPSK	20MHz	50	50
16.30	16.36	16.16	17	QPSK	20MHz	100	0
16.25	16.38	16.19	17	16QAM	20MHz	1	0
16.24	16.36	16.26	17	16QAM	20MHz	1	49
16.31	16.40	16.16	17	16QAM	20MHz	1	99
16.33	16.36	16.24	17	16QAM	20MHz	50	0
16.31	16.35	16.16	17	16QAM	20MHz	50	25
16.30	16.32	16.17	17	16QAM	20MHz	50	50
16.26	16.31	16.26	17	16QAM	20MHz	100	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20825	21100	21375	Channel				
2507.5	2535	2562.5	Freq. (MHz)				
16.26	16.33	16.25	17	QPSK	15MHz	1	0
16.25	16.35	16.15	17	QPSK	15MHz	1	37
16.27	16.31	16.13	17	QPSK	15MHz	1	74
16.28	16.35	16.20	17	QPSK	15MHz	36	0
16.19	16.35	16.18	17	QPSK	15MHz	36	19
16.18	16.31	16.14	17	QPSK	15MHz	36	39
16.20	16.28	16.06	17	QPSK	15MHz	75	0
16.21	16.34	16.17	17	16QAM	15MHz	1	0
16.20	16.31	16.20	17	16QAM	15MHz	1	37
16.21	16.36	16.11	17	16QAM	15MHz	1	74
16.25	16.31	16.24	17	16QAM	15MHz	36	0
16.26	16.33	16.11	17	16QAM	15MHz	36	19
16.21	16.29	16.15	17	16QAM	15MHz	36	39
16.16	16.27	16.18	17	16QAM	15MHz	75	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20800	21100	21400	Channel				
2505	2535	2565	Freq. (MHz)				
16.17	16.38	16.12	17	QPSK	10MHz	1	0
16.19	16.26	16.10	17	QPSK	10MHz	1	24
16.25	16.27	16.13	17	QPSK	10MHz	1	49
16.26	16.29	16.14	17	QPSK	10MHz	25	0
16.09	16.32	16.20	17	QPSK	10MHz	25	12
16.09	16.22	16.04	17	QPSK	10MHz	25	25
16.07	16.33	16.05	17	QPSK	10MHz	50	0
16.22	16.20	16.00	17	16QAM	10MHz	1	0
16.20	16.26	16.21	17	16QAM	10MHz	1	24
16.18	16.34	16.05	17	16QAM	10MHz	1	49
16.28	16.32	16.12	17	16QAM	10MHz	25	0
16.16	16.30	15.99	17	16QAM	10MHz	25	12
16.17	16.20	16.00	17	16QAM	10MHz	25	25
16.22	16.27	16.12	17	16QAM	10MHz	50	0

LTE Band 7							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
20775	21100	21425	Channel				
2502.5	2535	2567.5	Freq. (MHz)				
16.23	16.38	16.03	17	QPSK	5MHz	1	0
16.21	16.13	15.96	17	QPSK	5MHz	1	12
16.21	16.37	16.07	17	QPSK	5MHz	1	24
16.22	16.28	16.01	17	QPSK	5MHz	12	0
16.21	16.32	16.20	17	QPSK	5MHz	12	6
16.20	16.24	16.05	17	QPSK	5MHz	12	13
16.24	16.18	15.93	17	QPSK	5MHz	25	0
16.22	16.20	16.09	17	16QAM	5MHz	1	0
16.18	16.27	16.11	17	16QAM	5MHz	1	12
16.19	16.21	16.10	17	16QAM	5MHz	1	24
16.19	16.19	16.09	17	16QAM	5MHz	12	0
16.10	16.22	16.02	17	16QAM	5MHz	12	6
16.06	16.11	16.01	17	16QAM	5MHz	12	13
16.15	16.27	16.14	17	16QAM	5MHz	25	0

LTE Band 12							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23060	23095	23130	Channel				
704	707.5	711	Freq. (MHz)				
22.99	23.10	23.07	24	QPSK	10MHz	1	0
22.94	23.04	22.99	24	QPSK	10MHz	1	24
22.97	23.02	23.00	24	QPSK	10MHz	1	49
22.98	23.08	23.01	24	QPSK	10MHz	25	0
22.90	23.05	22.99	24	QPSK	10MHz	25	12
22.96	23.01	23.05	24	QPSK	10MHz	25	25
22.90	23.09	23.04	24	QPSK	10MHz	50	0
22.94	23.09	23.00	24	16QAM	10MHz	1	0
22.93	23.06	23.03	24	16QAM	10MHz	1	24
22.92	23.04	23.05	24	16QAM	10MHz	1	49
22.98	23.02	23.04	24	16QAM	10MHz	25	0
22.89	23.04	22.98	24	16QAM	10MHz	25	12
22.91	23.07	23.00	24	16QAM	10MHz	25	25
22.96	23.02	23.01	24	16QAM	10MHz	50	0

LTE Band 12								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
23035	23095	23155	Channel					
701.5	707.5	713.5	Freq. (MHz)					
22.83	22.94	22.90	24	QPSK	5MHz	1	0	
22.84	22.90	22.79	24	QPSK	5MHz	1	12	
22.90	22.93	22.78	24	QPSK	5MHz	1	24	
22.87	23.00	22.88	24	QPSK	5MHz	12	0	
22.79	22.86	22.88	24	QPSK	5MHz	12	6	
22.77	22.91	22.86	24	QPSK	5MHz	12	13	
22.76	22.98	22.82	24	QPSK	5MHz	25	0	
22.92	22.89	22.92	24	16QAM	5MHz	1	0	
22.74	22.95	22.87	24	16QAM	5MHz	1	12	
22.77	22.84	22.94	24	16QAM	5MHz	1	24	
22.80	22.86	22.88	24	16QAM	5MHz	12	0	
22.84	22.91	22.90	24	16QAM	5MHz	12	6	
22.82	22.91	22.90	24	16QAM	5MHz	12	13	
22.74	22.86	22.85	24	16QAM	5MHz	25	0	

LTE Band 12							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23025	23095	23165	Channel				
700.5	707.5	714.5	Freq. (MHz)				
22.79	22.89	22.95	24	QPSK	3MHz	1	0
22.87	22.90	22.88	24	QPSK	3MHz	1	7
22.87	22.87	22.80	24	QPSK	3MHz	1	14
22.95	22.98	22.89	24	QPSK	3MHz	8	0
22.77	22.98	22.92	24	QPSK	3MHz	8	3
22.80	22.87	22.84	24	QPSK	3MHz	8	7
22.81	22.97	23.02	24	QPSK	3MHz	15	0
22.79	22.90	22.84	24	16QAM	3MHz	1	0
22.88	22.82	22.84	24	16QAM	3MHz	1	7
22.79	22.90	22.88	24	16QAM	3MHz	1	14
22.86	22.86	22.84	24	16QAM	3MHz	8	0
22.88	22.94	22.88	24	16QAM	3MHz	8	3
22.79	23.01	22.93	24	16QAM	3MHz	8	7
22.86	22.90	22.89	24	16QAM	3MHz	15	0

LTE Band 12								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
23017	23095	23173	Channel					
699.7	707.5	715.3	Freq. (MHz)					
22.85	22.95	23.01	24	QPSK	1.4MHz	1	0	
22.80	22.87	22.83	24	QPSK	1.4MHz	1	2	
22.90	22.89	22.92	24	QPSK	1.4MHz	1	5	
22.90	22.97	22.90	24	QPSK	1.4MHz	3	0	
22.82	22.96	22.90	24	QPSK	1.4MHz	3	1	
22.93	22.93	22.95	24	QPSK	1.4MHz	3	3	
22.83	22.87	22.93	24	QPSK	1.4MHz	6	0	
22.78	22.96	22.97	24	16QAM	1.4MHz	1	0	
22.74	22.94	22.88	24	16QAM	1.4MHz	1	2	
22.77	22.97	23.01	24	16QAM	1.4MHz	1	5	
22.86	22.93	22.85	24	16QAM	1.4MHz	3	0	
22.73	23.01	22.92	24	16QAM	1.4MHz	3	1	
22.74	22.87	22.77	24	16QAM	1.4MHz	3	3	
22.87	22.79	22.87	24	16QAM	1.4MHz	6	0	

LTE Band 13					
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23230	Channel				
782	Freq. (MHz)				
23.07	24	QPSK	10MHz	1	0
23.00	24	QPSK	10MHz	1	24
22.99	24	QPSK	10MHz	1	49
22.98	24	QPSK	10MHz	25	0
22.95	24	QPSK	10MHz	25	12
22.97	24	QPSK	10MHz	25	25
23.05	24	QPSK	10MHz	50	0
22.99	24	16QAM	10MHz	1	0
23.00	24	16QAM	10MHz	1	24
23.02	24	16QAM	10MHz	1	49
22.94	24	16QAM	10MHz	25	0
22.97	24	16QAM	10MHz	25	12
22.93	24	16QAM	10MHz	25	25
23.01	24	16QAM	10MHz	50	0

LTE Band 13								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
23205	23230	23255	Channel					
779.5	782	784.5	Freq. (MHz)					
22.84	22.91	22.71	24	QPSK	5MHz	1	0	
22.87	22.86	22.55	24	QPSK	5MHz	1	12	
22.91	22.87	22.66	24	QPSK	5MHz	1	24	
22.89	22.92	22.75	24	QPSK	5MHz	12	0	
22.77	22.84	22.51	24	QPSK	5MHz	12	6	
22.81	22.86	22.60	24	QPSK	5MHz	12	13	
22.82	22.95	22.82	24	QPSK	5MHz	25	0	
22.76	22.77	22.76	24	16QAM	5MHz	1	0	
22.83	22.93	22.64	24	16QAM	5MHz	1	12	
22.84	22.99	22.80	24	16QAM	5MHz	1	24	
22.76	22.84	22.67	24	16QAM	5MHz	12	0	
22.66	22.92	22.64	24	16QAM	5MHz	12	6	
22.88	22.89	22.75	24	16QAM	5MHz	12	13	
22.91	22.91	22.76	24	16QAM	5MHz	25	0	

LTE Band 17							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
23780	23790	23800	Channel				
709	710	711	Freq. (MHz)				
23.02	23.08	22.99	24	QPSK	10MHz	1	0
23.02	23.03	22.95	24	QPSK	10MHz	1	24
22.99	23.02	22.96	24	QPSK	10MHz	1	49
22.97	23.02	22.92	24	QPSK	10MHz	25	0
22.96	22.92	22.90	24	QPSK	10MHz	25	12
22.95	22.93	22.95	24	QPSK	10MHz	25	25
22.90	22.98	22.97	24	QPSK	10MHz	50	0
22.96	23.04	22.93	24	16QAM	10MHz	1	0
23.01	23.01	22.97	24	16QAM	10MHz	1	24
22.94	23.04	22.92	24	16QAM	10MHz	1	49
22.98	22.94	22.90	24	16QAM	10MHz	25	0
22.98	22.97	22.92	24	16QAM	10MHz	25	12
22.93	22.93	22.99	24	16QAM	10MHz	25	25
22.91	22.95	22.95	24	16QAM	10MHz	50	0

LTE Band 17								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
23755	23790	23825	Channel					
706.5	710	713.5	Freq. (MHz)					
22.87	22.90	22.90	24	QPSK	5MHz	1	0	
22.77	22.95	22.78	24	QPSK	5MHz	1	12	
22.83	22.84	22.71	24	QPSK	5MHz	1	24	
22.76	22.89	22.70	24	QPSK	5MHz	12	0	
22.86	22.85	22.69	24	QPSK	5MHz	12	6	
22.82	22.95	22.67	24	QPSK	5MHz	12	13	
22.82	22.84	22.61	24	QPSK	5MHz	25	0	
22.75	22.92	22.74	24	16QAM	5MHz	1	0	
22.94	22.86	22.92	24	16QAM	5MHz	1	12	
22.71	22.98	22.80	24	16QAM	5MHz	1	24	
22.82	22.85	22.73	24	16QAM	5MHz	12	0	
22.92	23.00	22.88	24	16QAM	5MHz	12	6	
22.80	22.86	22.81	24	16QAM	5MHz	12	13	
22.83	22.86	22.94	24	16QAM	5MHz	25	0	

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26140	26365	26590	Channel				
1860	1882.5	1905	Freq. (MHz)				
21.51	21.56	21.40	22	QPSK	20MHz	1	0
21.48	21.50	21.34	22	QPSK	20MHz	1	49
21.46	21.54	21.30	22	QPSK	20MHz	1	99
21.42	21.52	21.30	22	QPSK	20MHz	50	0
21.43	21.48	21.36	22	QPSK	20MHz	50	25
21.50	21.43	21.38	22	QPSK	20MHz	50	50
21.49	21.51	21.37	22	QPSK	20MHz	100	0
21.46	21.48	21.33	22	16QAM	20MHz	1	0
21.49	21.53	21.30	22	16QAM	20MHz	1	49
21.50	21.49	21.40	22	16QAM	20MHz	1	99
21.51	21.51	21.35	22	16QAM	20MHz	50	0
21.50	21.50	21.33	22	16QAM	20MHz	50	25
21.51	21.48	21.39	22	16QAM	20MHz	50	50
21.42	21.46	21.32	22	16QAM	20MHz	100	0

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26115	26365	26615	Channel				
1857.5	1882.5	1907.5	Freq. (MHz)				
21.43	21.54	21.40	22	QPSK	15MHz	1	0
21.40	21.43	21.25	22	QPSK	15MHz	1	37
21.38	21.44	21.30	22	QPSK	15MHz	1	74
21.35	21.48	21.30	22	QPSK	15MHz	36	0
21.35	21.46	21.36	22	QPSK	15MHz	36	19
21.40	21.48	21.34	22	QPSK	15MHz	36	39
21.48	21.51	21.29	22	QPSK	15MHz	75	0
21.41	21.44	21.28	22	16QAM	15MHz	1	0
21.43	21.44	21.27	22	16QAM	15MHz	1	37
21.43	21.39	21.37	22	16QAM	15MHz	1	74
21.45	21.42	21.35	22	16QAM	15MHz	36	0
21.44	21.42	21.25	22	16QAM	15MHz	36	19
21.48	21.38	21.35	22	16QAM	15MHz	36	39
21.36	21.41	21.25	22	16QAM	15MHz	75	0

LTE Band 25								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
26090	26365	26640	Channel					
1855	1882.5	1910	Freq. (MHz)					
21.31	21.43	21.32	22	QPSK	10MHz	1	0	
21.39	21.41	21.14	22	QPSK	10MHz	1	24	
21.45	21.32	21.23	22	QPSK	10MHz	1	49	
21.27	21.39	21.22	22	QPSK	10MHz	25	0	
21.33	21.32	21.15	22	QPSK	10MHz	25	12	
21.41	21.39	21.29	22	QPSK	10MHz	25	25	
21.40	21.49	21.27	22	QPSK	10MHz	50	0	
21.34	21.34	21.25	22	16QAM	10MHz	1	0	
21.41	21.41	21.12	22	16QAM	10MHz	1	24	
21.36	21.34	21.22	22	16QAM	10MHz	1	49	
21.45	21.31	21.20	22	16QAM	10MHz	25	0	
21.26	21.41	21.21	22	16QAM	10MHz	25	12	
21.34	21.37	21.32	22	16QAM	10MHz	25	25	
21.30	21.38	21.09	22	16QAM	10MHz	50	0	

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26065	26365	26665	Channel				
1852.5	1882.5	1912.5	Freq. (MHz)				
21.33	21.49	21.21	22	QPSK	5MHz	1	0
21.28	21.41	21.00	22	QPSK	5MHz	1	12
21.32	21.38	21.08	22	QPSK	5MHz	1	24
21.26	21.39	20.97	22	QPSK	5MHz	12	0
21.21	21.40	21.24	22	QPSK	5MHz	12	6
21.39	21.49	21.24	22	QPSK	5MHz	12	13
21.30	21.37	21.26	22	QPSK	5MHz	25	0
21.35	21.42	21.21	22	16QAM	5MHz	1	0
21.34	21.35	21.15	22	16QAM	5MHz	1	12
21.31	21.34	21.27	22	16QAM	5MHz	1	24
21.40	21.43	21.19	22	16QAM	5MHz	12	0
21.50	21.32	21.25	22	16QAM	5MHz	12	6
21.39	21.35	21.16	22	16QAM	5MHz	12	13
21.33	21.45	21.15	22	16QAM	5MHz	25	0

LTE Band 25							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
26055	26365	26675	Channel				
1851.5	1882.5	1913.5	Freq. (MHz)				
21.39	21.45	21.32	22	QPSK	3MHz	1	0
21.40	21.45	21.12	22	QPSK	3MHz	1	7
21.40	21.39	21.10	22	QPSK	3MHz	1	14
21.31	21.35	21.19	22	QPSK	3MHz	8	0
21.34	21.43	21.16	22	QPSK	3MHz	8	3
21.40	21.36	21.28	22	QPSK	3MHz	8	7
21.38	21.49	21.26	22	QPSK	3MHz	15	0
21.24	21.30	21.19	22	16QAM	3MHz	1	0
21.43	21.37	21.18	22	16QAM	3MHz	1	7
21.48	21.31	21.25	22	16QAM	3MHz	1	14
21.44	21.31	21.20	22	16QAM	3MHz	8	0
21.45	21.35	21.14	22	16QAM	3MHz	8	3
21.32	21.44	21.26	22	16QAM	3MHz	8	7
21.22	21.32	21.15	22	16QAM	3MHz	15	0

LTE Band 25								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
26047	26365	26683	Channel					
1850.7	1882.5	1914.3	Freq. (MHz)					
21.43	21.43	21.32	22	QPSK	1.4MHz	1	0	
21.42	21.31	21.16	22	QPSK	1.4MHz	1	2	
21.36	21.39	21.28	22	QPSK	1.4MHz	1	5	
21.33	21.43	21.28	22	QPSK	1.4MHz	3	0	
21.33	21.40	21.17	22	QPSK	1.4MHz	3	1	
21.36	21.41	21.23	22	QPSK	1.4MHz	3	3	
21.32	21.43	21.19	22	QPSK	1.4MHz	6	0	
21.30	21.47	21.15	22	16QAM	1.4MHz	1	0	
21.36	21.38	21.18	22	16QAM	1.4MHz	1	2	
21.37	21.45	21.27	22	16QAM	1.4MHz	1	5	
21.38	21.48	21.30	22	16QAM	1.4MHz	3	0	
21.35	21.36	21.10	22	16QAM	1.4MHz	3	1	
21.26	21.37	21.29	22	16QAM	1.4MHz	3	3	
21.30	21.32	21.13	22	16QAM	1.4MHz	6	0	

LTE Band 30					
Maximum Average Power (dBm)	Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
27710	Channel				
2310	Freq. (MHz)				
18.30	19	QPSK	10MHz	1	0
18.26	19	QPSK	10MHz	1	24
18.23	19	QPSK	10MHz	1	49
18.27	19	QPSK	10MHz	25	0
18.25	19	QPSK	10MHz	25	12
18.25	19	QPSK	10MHz	25	25
18.29	19	QPSK	10MHz	50	0
18.21	19	16QAM	10MHz	1	0
18.21	19	16QAM	10MHz	1	24
18.20	19	16QAM	10MHz	1	49
18.19	19	16QAM	10MHz	25	0
18.23	19	16QAM	10MHz	25	12
18.17	19	16QAM	10MHz	25	25
18.22	19	16QAM	10MHz	50	0

LTE Band 30							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
27685	27710	27735	Channel				
2307.5	2310	2312.5	Freq. (MHz)				
18.16	18.23	18.06	19	QPSK	5MHz	1	0
18.10	18.18	17.86	19	QPSK	5MHz	1	12
18.14	18.06	17.89	19	QPSK	5MHz	1	24
18.12	18.22	17.96	19	QPSK	5MHz	12	0
18.20	18.12	18.05	19	QPSK	5MHz	12	6
18.08	18.07	17.88	19	QPSK	5MHz	12	13
18.08	18.19	18.02	19	QPSK	5MHz	25	0
18.06	18.15	18.07	19	16QAM	5MHz	1	0
17.96	18.14	18.06	19	16QAM	5MHz	1	12
18.13	18.08	17.96	19	16QAM	5MHz	1	24
18.07	18.21	18.09	19	16QAM	5MHz	12	0
18.13	18.07	18.08	19	16QAM	5MHz	12	6
18.13	18.11	18.05	19	16QAM	5MHz	12	13
18.03	18.04	18.07	19	16QAM	5MHz	25	0

LTE Band 38							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
37850	38000	38150	Channel				
2580	2595	2610	Freq. (MHz)				
19.97	20.02	19.94	21	QPSK	20MHz	1	0
19.89	19.95	19.90	21	QPSK	20MHz	1	49
19.89	20.00	19.88	21	QPSK	20MHz	1	99
19.87	20.00	19.89	21	QPSK	20MHz	50	0
19.95	19.92	19.88	21	QPSK	20MHz	50	25
19.87	19.90	19.92	21	QPSK	20MHz	50	50
19.91	19.92	19.87	21	QPSK	20MHz	100	0
19.97	19.93	19.85	21	16QAM	20MHz	1	0
19.87	19.94	19.85	21	16QAM	20MHz	1	49
19.97	19.97	19.89	21	16QAM	20MHz	1	99
19.97	19.91	19.90	21	16QAM	20MHz	50	0
19.97	19.93	19.91	21	16QAM	20MHz	50	25
19.90	19.96	19.94	21	16QAM	20MHz	50	50
19.83	19.85	19.89	21	16QAM	20MHz	100	0

LTE Band 38								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
37825	38000	38175	Channel					
2577.5	2595	2612.5	Freq. (MHz)					
19.89	19.92	19.86	21	QPSK	15MHz	1	0	
19.85	19.95	19.86	21	QPSK	15MHz	1	37	
19.81	19.98	19.78	21	QPSK	15MHz	1	74	
19.83	19.95	19.81	21	QPSK	15MHz	36	0	
19.90	19.86	19.85	21	QPSK	15MHz	36	19	
19.82	19.90	19.91	21	QPSK	15MHz	36	39	
19.88	19.83	19.84	21	QPSK	15MHz	75	0	
19.89	19.86	19.77	21	16QAM	15MHz	1	0	
19.78	19.87	19.85	21	16QAM	15MHz	1	37	
19.97	19.96	19.83	21	16QAM	15MHz	1	74	
19.88	19.97	19.88	21	16QAM	15MHz	36	0	
19.88	19.89	19.82	21	16QAM	15MHz	36	19	
19.89	19.89	19.86	21	16QAM	15MHz	36	39	
19.93	19.93	19.84	21	16QAM	15MHz	75	0	

LTE Band 38								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
37800	38000	38200	Channel					
2575	2595	2615	Freq. (MHz)					
19.83	19.89	19.72	21	QPSK	10MHz	1	0	
19.77	19.78	19.79	21	QPSK	10MHz	1	24	
19.72	19.87	19.74	21	QPSK	10MHz	1	49	
19.85	19.79	19.84	21	QPSK	10MHz	25	0	
19.79	19.73	19.80	21	QPSK	10MHz	25	12	
19.69	19.87	19.81	21	QPSK	10MHz	25	25	
19.75	19.82	19.84	21	QPSK	10MHz	50	0	
19.90	19.79	19.72	21	16QAM	10MHz	1	0	
19.77	19.85	19.80	21	16QAM	10MHz	1	24	
19.88	19.85	19.72	21	16QAM	10MHz	1	49	
19.90	19.91	19.83	21	16QAM	10MHz	25	0	
19.79	19.70	19.88	21	16QAM	10MHz	25	12	
19.77	19.84	19.89	21	16QAM	10MHz	25	25	
19.80	19.84	19.77	21	16QAM	10MHz	50	0	

LTE Band 38							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
37775	38000	38225	Channel				
2572.5	2595	2617.5	Freq. (MHz)				
19.81	19.88	19.77	21	QPSK	5MHz	1	0
19.74	19.92	19.75	21	QPSK	5MHz	1	12
19.72	19.81	19.70	21	QPSK	5MHz	1	24
19.80	19.80	19.55	21	QPSK	5MHz	12	0
19.82	19.76	19.72	21	QPSK	5MHz	12	6
19.85	19.92	19.67	21	QPSK	5MHz	12	13
19.81	19.89	19.69	21	QPSK	5MHz	25	0
19.84	19.79	19.65	21	16QAM	5MHz	1	0
19.80	19.75	19.78	21	16QAM	5MHz	1	12
19.81	19.85	19.78	21	16QAM	5MHz	1	24
19.86	19.87	19.67	21	16QAM	5MHz	12	0
19.80	19.89	19.85	21	16QAM	5MHz	12	6
19.74	19.83	19.83	21	16QAM	5MHz	12	13
19.89	19.86	19.80	21	16QAM	5MHz	25	0

LTE Band 41_PC3									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39750	40185	40620	41055	41490	Channel				
2506	2549.5	2593	2636.5	2680	Freq. (MHz)				
19.95	19.98	20.04	20.01	20.02	21	QPSK	20MHz	1	0
19.89	19.98	20.02	19.92	19.93	21	QPSK	20MHz	1	49
19.87	19.96	19.95	19.97	19.92	21	QPSK	20MHz	1	99
19.90	19.91	19.97	19.95	19.91	21	QPSK	20MHz	50	0
19.86	19.88	19.91	19.94	19.96	21	QPSK	20MHz	50	25
19.95	19.91	19.87	19.94	19.90	21	QPSK	20MHz	50	50
19.90	19.91	19.98	19.92	19.97	21	QPSK	20MHz	100	0
19.95	19.96	19.98	19.99	19.94	21	16QAM	20MHz	1	0
19.89	19.95	20.01	19.99	19.99	21	16QAM	20MHz	1	49
19.86	19.94	20.03	19.99	19.95	21	16QAM	20MHz	1	99
19.90	19.88	19.96	19.90	19.96	21	16QAM	20MHz	50	0
19.87	19.90	19.92	19.95	19.92	21	16QAM	20MHz	50	25
19.93	19.92	19.96	19.93	19.90	21	16QAM	20MHz	50	50
19.95	19.95	19.92	19.94	19.96	21	16QAM	20MHz	100	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39725	40173	40620	41068	41515	Channel				
2503.5	2548.3	2593	2637.8	2682.5	Freq. (MHz)				
19.87	19.93	20.01	20.00	19.96	21	QPSK	15MHz	1	0
19.88	19.95	19.95	19.89	19.88	21	QPSK	15MHz	1	37
19.80	19.86	19.86	19.94	19.92	21	QPSK	15MHz	1	74
19.84	19.86	19.96	19.89	19.98	21	QPSK	15MHz	36	0
19.82	19.95	19.96	19.93	19.96	21	QPSK	15MHz	36	19
19.87	19.82	19.96	19.86	19.92	21	QPSK	15MHz	36	39
19.84	19.89	19.96	19.85	19.94	21	QPSK	15MHz	75	0
19.88	19.91	19.95	19.97	19.98	21	16QAM	15MHz	1	0
19.88	19.87	19.92	19.92	19.89	21	16QAM	15MHz	1	37
19.78	19.92	20.01	19.90	19.91	21	16QAM	15MHz	1	74
19.80	19.86	19.89	19.94	19.99	21	16QAM	15MHz	36	0
19.78	19.86	20.02	19.88	19.95	21	16QAM	15MHz	36	19
19.87	19.88	19.95	19.84	19.90	21	16QAM	15MHz	36	39
19.93	19.89	20.01	19.96	19.90	21	16QAM	15MHz	75	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39700	40160	40620	41080	41540	Channel				
2501	2547	2593	2639	2685	Freq. (MHz)				
19.79	19.92	19.95	19.86	19.86	21	QPSK	10MHz	1	0
19.79	19.92	19.93	19.77	19.89	21	QPSK	10MHz	1	24
19.69	19.91	19.82	19.91	19.82	21	QPSK	10MHz	1	49
19.77	19.79	19.83	19.85	19.93	21	QPSK	10MHz	25	0
19.75	19.93	19.91	19.92	19.91	21	QPSK	10MHz	25	12
19.86	19.89	19.88	19.75	19.89	21	QPSK	10MHz	25	25
19.80	19.72	19.84	19.82	19.86	21	QPSK	10MHz	50	0
19.84	19.86	19.90	19.90	19.89	21	16QAM	10MHz	1	0
19.70	19.93	19.92	19.82	19.86	21	16QAM	10MHz	1	24
19.70	19.95	19.82	19.82	19.82	21	16QAM	10MHz	1	49
19.79	19.80	19.80	19.79	19.96	21	16QAM	10MHz	25	0
19.72	19.88	19.99	19.93	19.84	21	16QAM	10MHz	25	12
19.81	19.85	19.81	19.82	19.84	21	16QAM	10MHz	25	25
19.87	19.76	19.90	19.86	19.91	21	16QAM	10MHz	50	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39675	40148	40620	41093	41565	Channel				
2498.5	2545.8	2593	2640.3	2687.5	Freq. (MHz)				
19.83	19.91	19.88	19.91	19.92	21	QPSK	5MHz	1	0
19.85	19.86	19.93	19.86	19.83	21	QPSK	5MHz	1	12
19.83	19.93	19.80	19.82	19.82	21	QPSK	5MHz	1	24
19.75	19.82	19.83	19.78	19.91	21	QPSK	5MHz	12	0
19.85	19.87	19.93	19.81	19.83	21	QPSK	5MHz	12	6
19.85	19.81	19.88	19.81	19.94	21	QPSK	5MHz	12	13
19.86	19.83	19.88	19.88	19.86	21	QPSK	5MHz	25	0
19.84	19.92	19.88	19.94	19.98	21	16QAM	5MHz	1	0
19.83	19.81	19.87	19.85	19.82	21	16QAM	5MHz	1	12
19.84	19.85	19.88	19.82	19.81	21	16QAM	5MHz	1	24
19.79	19.78	19.78	19.81	19.92	21	16QAM	5MHz	12	0
19.76	19.90	19.93	19.78	19.87	21	16QAM	5MHz	12	6
19.93	19.78	19.90	19.90	19.92	21	16QAM	5MHz	12	13
19.81	19.85	19.86	19.80	19.85	21	16QAM	5MHz	25	0

LTE Band 41_PC2									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39750	40185	40620	41055	41490	Channel				
2506	2549.5	2593	2636.5	2680	Freq. (MHz)				
20.40	20.41	20.47	20.43	20.44	21	QPSK	20MHz	1	0
20.40	20.40	20.42	20.40	20.36	21	QPSK	20MHz	1	49
20.35	20.37	20.37	20.42	20.38	21	QPSK	20MHz	1	99
20.39	20.39	20.40	20.35	20.31	21	QPSK	20MHz	50	0
20.32	20.34	20.39	20.33	20.30	21	QPSK	20MHz	50	25
20.37	20.33	20.36	20.36	20.35	21	QPSK	20MHz	50	50
20.31	20.36	20.43	20.36	20.33	21	QPSK	20MHz	100	0
20.36	20.40	20.45	20.36	20.38	21	16QAM	20MHz	1	0
20.38	20.38	20.46	20.37	20.43	21	16QAM	20MHz	1	49
20.40	20.37	20.42	20.36	20.42	21	16QAM	20MHz	1	99
20.38	20.37	20.35	20.39	20.32	21	16QAM	20MHz	50	0
20.35	20.39	20.30	20.33	20.37	21	16QAM	20MHz	50	25
20.30	20.31	20.38	20.31	20.33	21	16QAM	20MHz	50	50
20.35	20.32	20.42	20.38	20.36	21	16QAM	20MHz	100	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39725	40173	40620	41068	41515	Channel				
2503.5	2548.3	2593	2637.8	2682.5	Freq. (MHz)				
20.37	20.41	20.43	20.35	20.37	21	QPSK	15MHz	1	0
20.37	20.33	20.42	20.31	20.32	21	QPSK	15MHz	1	37
20.30	20.30	20.33	20.36	20.33	21	QPSK	15MHz	1	74
20.33	20.35	20.35	20.29	20.31	21	QPSK	15MHz	36	0
20.22	20.28	20.32	20.30	20.33	21	QPSK	15MHz	36	19
20.33	20.23	20.44	20.33	20.35	21	QPSK	15MHz	36	39
20.31	20.28	20.40	20.26	20.37	21	QPSK	15MHz	75	0
20.30	20.40	20.43	20.32	20.34	21	16QAM	15MHz	1	0
20.28	20.35	20.39	20.28	20.33	21	16QAM	15MHz	1	37
20.40	20.33	20.38	20.30	20.38	21	16QAM	15MHz	1	74
20.37	20.29	20.38	20.30	20.39	21	16QAM	15MHz	36	0
20.29	20.34	20.38	20.31	20.40	21	16QAM	15MHz	36	19
20.31	20.22	20.28	20.34	20.33	21	16QAM	15MHz	36	39
20.28	20.26	20.40	20.37	20.36	21	16QAM	15MHz	75	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39700	40160	40620	41080	41540	Channel				
2501	2547	2593	2639	2685	Freq. (MHz)				
20.30	20.30	20.38	20.33	20.37	21	QPSK	10MHz	1	0
20.31	20.29	20.32	20.29	20.24	21	QPSK	10MHz	1	24
20.25	20.19	20.24	20.36	20.26	21	QPSK	10MHz	1	49
20.26	20.29	20.32	20.19	20.31	21	QPSK	10MHz	25	0
20.24	20.30	20.25	20.26	20.30	21	QPSK	10MHz	25	12
20.29	20.17	20.36	20.29	20.27	21	QPSK	10MHz	25	25
20.26	20.32	20.23	20.28	20.33	21	QPSK	10MHz	50	0
20.30	20.38	20.41	20.33	20.36	21	16QAM	10MHz	1	0
20.27	20.36	20.31	20.30	20.29	21	16QAM	10MHz	1	24
20.21	20.25	20.22	20.30	20.26	21	16QAM	10MHz	1	49
20.29	20.27	20.26	20.18	20.33	21	16QAM	10MHz	25	0
20.24	20.21	20.30	20.30	20.31	21	16QAM	10MHz	25	12
20.21	20.19	20.35	20.26	20.24	21	16QAM	10MHz	25	25
20.21	20.31	20.23	20.30	20.33	21	16QAM	10MHz	50	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39675	40148	40620	41093	41565	Channel				
2498.5	2545.8	2593	2640.3	2687.5	Freq. (MHz)				
20.32	20.31	20.42	20.29	20.36	21	QPSK	5MHz	1	0
20.30	20.27	20.31	20.29	20.26	21	QPSK	5MHz	1	12
20.29	20.31	20.29	20.29	20.29	21	QPSK	5MHz	1	24
20.38	20.26	20.33	20.23	20.32	21	QPSK	5MHz	12	0
20.21	20.23	20.30	20.21	20.28	21	QPSK	5MHz	12	6
20.29	20.26	20.32	20.29	20.25	21	QPSK	5MHz	12	13
20.18	20.25	20.32	20.30	20.33	21	QPSK	5MHz	25	0
20.30	20.37	20.38	20.29	20.26	21	16QAM	5MHz	1	0
20.31	20.32	20.26	20.26	20.19	21	16QAM	5MHz	1	12
20.29	20.27	20.28	20.36	20.19	21	16QAM	5MHz	1	24
20.33	20.28	20.28	20.33	20.31	21	16QAM	5MHz	12	0
20.21	20.23	20.27	20.24	20.29	21	16QAM	5MHz	12	6
20.29	20.24	20.35	20.20	20.28	21	16QAM	5MHz	12	13
20.18	20.22	20.31	20.28	20.32	21	16QAM	5MHz	25	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55340	55773	56207	56640	Channel				
3560	3603.3	3646.7	3690	Freq. (MHz)				
19.53	19.55	19.61	19.49	20	QPSK	20MHz	1	0
19.44	19.46	19.56	19.45	20	QPSK	20MHz	1	49
19.43	19.50	19.59	19.46	20	QPSK	20MHz	1	99
19.53	19.47	19.56	19.48	20	QPSK	20MHz	50	0
19.43	19.47	19.48	19.47	20	QPSK	20MHz	50	25
19.45	19.52	19.49	19.43	20	QPSK	20MHz	50	50
19.47	19.48	19.58	19.48	20	QPSK	20MHz	100	0
19.43	19.51	19.58	19.39	20	16QAM	20MHz	1	0
19.50	19.47	19.53	19.43	20	16QAM	20MHz	1	49
19.49	19.51	19.54	19.46	20	16QAM	20MHz	1	99
19.45	19.53	19.54	19.41	20	16QAM	20MHz	50	0
19.43	19.45	19.46	19.42	20	16QAM	20MHz	50	25
19.49	19.50	19.47	19.48	20	16QAM	20MHz	50	50
19.50	19.53	19.54	19.39	20	16QAM	20MHz	100	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55315	55765	56215	56665	Channel				
3557.5	3602.5	3647.5	3692.5	Freq. (MHz)				
19.46	19.54	19.60	19.40	20	QPSK	15MHz	1	0
19.43	19.39	19.52	19.38	20	QPSK	15MHz	1	37
19.33	19.40	19.59	19.42	20	QPSK	15MHz	1	74
19.47	19.47	19.49	19.44	20	QPSK	15MHz	36	0
19.43	19.44	19.54	19.44	20	QPSK	15MHz	36	19
19.43	19.42	19.57	19.40	20	QPSK	15MHz	36	39
19.42	19.44	19.50	19.44	20	QPSK	15MHz	75	0
19.42	19.46	19.49	19.47	20	16QAM	15MHz	1	0
19.50	19.46	19.53	19.38	20	16QAM	15MHz	1	37
19.44	19.41	19.50	19.45	20	16QAM	15MHz	1	74
19.43	19.53	19.54	19.48	20	16QAM	15MHz	36	0
19.41	19.45	19.51	19.40	20	16QAM	15MHz	36	19
19.47	19.48	19.48	19.34	20	16QAM	15MHz	36	39
19.40	19.48	19.47	19.48	20	16QAM	15MHz	75	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55290	55757	56223	56690	Channel				
3555	3601.7	3648.3	3695	Freq. (MHz)				
19.37	19.41	19.49	19.36	20	QPSK	10MHz	1	0
19.33	19.31	19.39	19.42	20	QPSK	10MHz	1	24
19.33	19.45	19.43	19.38	20	QPSK	10MHz	1	49
19.38	19.36	19.38	19.36	20	QPSK	10MHz	25	0
19.36	19.38	19.44	19.35	20	QPSK	10MHz	25	12
19.34	19.38	19.46	19.28	20	QPSK	10MHz	25	25
19.35	19.37	19.41	19.36	20	QPSK	10MHz	50	0
19.38	19.36	19.53	19.46	20	16QAM	10MHz	1	0
19.24	19.41	19.40	19.37	20	16QAM	10MHz	1	24
19.42	19.42	19.47	19.37	20	16QAM	10MHz	1	49
19.44	19.37	19.36	19.29	20	16QAM	10MHz	25	0
19.34	19.37	19.39	19.32	20	16QAM	10MHz	25	12
19.34	19.42	19.52	19.30	20	16QAM	10MHz	25	25
19.31	19.39	19.49	19.43	20	16QAM	10MHz	50	0

LTE Band 48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
55265	55748	56232	56715	Channel				
3552.5	3600.8	3649.2	3697.5	Freq. (MHz)				
19.46	19.41	19.47	19.43	20	QPSK	5MHz	1	0
19.29	19.36	19.42	19.30	20	QPSK	5MHz	1	12
19.31	19.33	19.48	19.37	20	QPSK	5MHz	1	24
19.47	19.36	19.39	19.32	20	QPSK	5MHz	12	0
19.32	19.44	19.46	19.34	20	QPSK	5MHz	12	6
19.34	19.45	19.46	19.37	20	QPSK	5MHz	12	13
19.35	19.37	19.48	19.43	20	QPSK	5MHz	25	0
19.41	19.46	19.50	19.48	20	16QAM	5MHz	1	0
19.36	19.34	19.43	19.33	20	16QAM	5MHz	1	12
19.41	19.40	19.52	19.35	20	16QAM	5MHz	1	24
19.48	19.29	19.49	19.37	20	16QAM	5MHz	12	0
19.41	19.38	19.48	19.32	20	16QAM	5MHz	12	6
19.33	19.43	19.47	19.39	20	16QAM	5MHz	12	13
19.35	19.37	19.38	19.38	20	16QAM	5MHz	25	0

LTE Band 66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
132072	132322	132572	Channel				
1720	1745	1770	Freq. (MHz)				
21.20	21.33	21.26	22	QPSK	20MHz	1	0
21.20	21.26	21.22	22	QPSK	20MHz	1	49
21.19	21.29	21.16	22	QPSK	20MHz	1	99
21.14	21.27	21.25	22	QPSK	20MHz	50	0
21.11	21.20	21.20	22	QPSK	20MHz	50	25
21.20	21.23	21.17	22	QPSK	20MHz	50	50
21.10	21.29	21.18	22	QPSK	20MHz	100	0
21.17	21.30	21.20	22	16QAM	20MHz	1	0
21.13	21.26	21.25	22	16QAM	20MHz	1	49
21.15	21.29	21.17	22	16QAM	20MHz	1	99
21.17	21.20	21.16	22	16QAM	20MHz	50	0
21.10	21.25	21.16	22	16QAM	20MHz	50	25
21.16	21.22	21.26	22	16QAM	20MHz	50	50
21.18	21.19	21.21	22	16QAM	20MHz	100	0

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
132047	132322	132597	Channel					
1717.5	1745	1772.5	Freq. (MHz)					
21.12	21.25	21.23	22	QPSK	15MHz	1	0	
21.15	21.21	21.22	22	QPSK	15MHz	1	37	
21.10	21.20	21.07	22	QPSK	15MHz	1	74	
21.07	21.17	21.20	22	QPSK	15MHz	36	0	
21.10	21.26	21.15	22	QPSK	15MHz	36	19	
21.16	21.15	21.17	22	QPSK	15MHz	36	39	
21.01	21.29	21.08	22	QPSK	15MHz	75	0	
21.10	21.29	21.15	22	16QAM	15MHz	1	0	
21.04	21.22	21.15	22	16QAM	15MHz	1	37	
21.09	21.29	21.09	22	16QAM	15MHz	1	74	
21.08	21.27	21.12	22	16QAM	15MHz	36	0	
21.09	21.24	21.07	22	16QAM	15MHz	36	19	
21.13	21.31	21.21	22	16QAM	15MHz	36	39	
21.12	21.29	21.17	22	16QAM	15MHz	75	0	

LTE Band 66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
132022	132322	132622	Channel				
1715	1745	1775	Freq. (MHz)				
20.97	21.21	21.17	22	QPSK	10MHz	1	0
21.04	21.25	21.07	22	QPSK	10MHz	1	24
20.95	21.21	21.00	22	QPSK	10MHz	1	49
20.96	21.13	21.04	22	QPSK	10MHz	25	0
20.86	21.15	21.00	22	QPSK	10MHz	25	12
21.12	21.17	20.93	22	QPSK	10MHz	25	25
20.95	21.09	21.08	22	QPSK	10MHz	50	0
21.11	21.14	21.13	22	16QAM	10MHz	1	0
20.98	21.07	21.08	22	16QAM	10MHz	1	24
21.05	21.14	21.03	22	16QAM	10MHz	1	49
20.99	21.15	21.08	22	16QAM	10MHz	25	0
20.99	21.15	21.15	22	16QAM	10MHz	25	12
20.95	21.19	21.15	22	16QAM	10MHz	25	25
20.95	21.15	21.15	22	16QAM	10MHz	50	0

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
131997	132322	132647	Channel					
1712.5	1745	1777.5	Freq. (MHz)					
21.15	21.29	21.08	22	QPSK	5MHz	1	0	
21.13	21.17	21.09	22	QPSK	5MHz	1	12	
21.15	21.21	21.02	22	QPSK	5MHz	1	24	
21.05	21.06	21.12	22	QPSK	5MHz	12	0	
20.99	21.13	20.93	22	QPSK	5MHz	12	6	
21.00	21.13	20.92	22	QPSK	5MHz	12	13	
21.03	21.22	20.99	22	QPSK	5MHz	25	0	
21.06	21.16	21.13	22	16QAM	5MHz	1	0	
20.96	21.11	21.10	22	16QAM	5MHz	1	12	
21.07	21.11	21.17	22	16QAM	5MHz	1	24	
20.93	21.11	21.11	22	16QAM	5MHz	12	0	
21.05	21.16	21.03	22	16QAM	5MHz	12	6	
20.97	21.10	21.14	22	16QAM	5MHz	12	13	
21.12	21.15	21.05	22	16QAM	5MHz	25	0	

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
131987	132322	132657	Channel					
1711.5	1745	1778.5	Freq. (MHz)					
21.04	21.18	21.07	22	QPSK	3MHz	1	0	
21.01	21.16	21.06	22	QPSK	3MHz	1	7	
21.03	21.26	21.08	22	QPSK	3MHz	1	14	
21.03	21.18	21.13	22	QPSK	3MHz	8	0	
20.93	21.14	21.06	22	QPSK	3MHz	8	3	
21.06	21.01	21.03	22	QPSK	3MHz	8	7	
20.96	21.16	21.04	22	QPSK	3MHz	15	0	
21.02	21.20	21.02	22	16QAM	3MHz	1	0	
20.91	21.14	21.06	22	16QAM	3MHz	1	7	
21.07	21.08	20.96	22	16QAM	3MHz	1	14	
21.08	21.24	20.93	22	16QAM	3MHz	8	0	
21.01	21.21	21.08	22	16QAM	3MHz	8	3	
21.08	21.25	21.19	22	16QAM	3MHz	8	7	
21.08	21.15	21.14	22	16QAM	3MHz	15	0	

LTE Band 66								
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset	
131979	132322	132665	Channel					
1710.7	1745	1779.3	Freq. (MHz)					
21.02	21.17	21.08	22	QPSK	1.4MHz	1	0	
21.14	21.18	21.09	22	QPSK	1.4MHz	1	2	
21.03	21.23	21.06	22	QPSK	1.4MHz	1	5	
20.92	21.12	21.14	22	QPSK	1.4MHz	3	0	
20.98	21.16	21.15	22	QPSK	1.4MHz	3	1	
21.17	21.21	20.98	22	QPSK	1.4MHz	3	3	
20.99	21.22	21.12	22	QPSK	1.4MHz	6	0	
21.04	21.23	21.04	22	16QAM	1.4MHz	1	0	
21.02	21.20	21.08	22	16QAM	1.4MHz	1	2	
21.11	21.06	21.05	22	16QAM	1.4MHz	1	5	
21.14	21.15	20.94	22	16QAM	1.4MHz	3	0	
20.92	21.08	21.10	22	16QAM	1.4MHz	3	1	
21.08	21.25	21.14	22	16QAM	1.4MHz	3	3	
21.08	21.14	21.17	22	16QAM	1.4MHz	6	0	

<Tablet Mode MAX Tune-up Power>

WLAN 2.4 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11b	1	2412	18.50	18.50	-
	6	2437	18.50	18.50	-
	11	2462	18.50	18.50	-
	12	2467	18.50	18.50	-
	13	2472	15.50	15.50	-
802.11g	1	2412	17.00	17.00	-
	6	2437	18.50	18.50	-
	11	2462	16.25	16.50	-
	12	2467	15.00	15.00	-
	13	2472	2.00	1.50	-
802.11n HT20	1	2412	17.00	17.00	17.00
	6	2437	18.50	18.50	20.50
	11	2462	16.00	16.50	16.75
	12	2467	15.00	15.00	15.50
	13	2472	2.00	1.50	2.00
802.11n HT40	3	2422	16.50	16.50	16.75
	6	2437	17.50	17.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.00	5.00	5.00
802.11ax HE20	1	2412	17.00	17.00	17.00
	6	2437	18.50	18.50	20.50
	11	2462	16.00	16.00	16.75
	12	2467	15.00	15.00	15.50
	13	2472	2.00	1.50	2.00
802.11ax HE40	3	2422	16.50	16.50	16.75
	6	2437	16.50	16.50	18.50
	9	2452	16.00	16.00	16.50
	10	2457	12.25	12.00	12.75
	11	2462	5.50	4.50	6.00

WLAN 5.2 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	36	5180	11.00	11.00	-
	40	5200	11.00	11.00	-
	44	5220	11.00	11.00	-
	48	5240	11.00	11.00	-
802.11n HT20	36	5180	11.00	11.00	14.00
	40	5200	11.00	11.00	14.00
	44	5220	11.00	11.00	14.00
	48	5240	11.00	11.00	14.00
802.11n HT40	38	5190	11.00	11.00	14.00
	46	5230	11.00	11.00	14.00
802.11ac VHT80	42	5210	11.00	11.00	14.00
802.11ax HE20	36	5180	11.00	11.00	14.00
	40	5200	11.00	11.00	14.00
	44	5220	11.00	11.00	14.00
	48	5240	11.00	11.00	14.00
802.11ax HE40	38	5190	11.00	11.00	14.00
	46	5230	11.00	11.00	14.00
802.11ax HE80	42	5210	11.00	11.00	14.00

WLAN 5.3 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	52	5260	11.00	11.00	-
	56	5280	11.00	11.00	-
	60	5300	11.00	11.00	-
	64	5320	11.00	11.00	-
802.11n HT20	52	5260	11.00	11.00	14.00
	56	5280	11.00	11.00	14.00
	60	5300	11.00	11.00	14.00
	64	5320	11.00	11.00	14.00
802.11n HT40	54	5270	11.00	11.00	14.00
	62	5310	11.00	11.00	14.00
802.11ac VHT80	58	5290	11.00	11.00	14.00
802.11ac VHT160	50	5250	11.00	11.00	14.00
802.11ax HE20	52	5260	11.00	11.00	14.00
	56	5280	11.00	11.00	14.00
	60	5300	11.00	11.00	14.00
	64	5320	11.00	11.00	14.00
802.11ax HE40	54	5270	11.00	11.00	14.00
	62	5310	11.00	11.00	14.00
802.11ax HE80	58	5290	11.00	11.00	14.00
802.11ax HE160	50	5250	11.00	11.00	14.00

WLAN 5.6 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	100	5500	10.50	10.50	-
	116	5580	10.50	10.50	-
	124	5620	10.50	10.50	-
	132	5660	10.50	10.50	-
	140	5700	10.50	10.50	-
	144	5720	10.50	10.50	-
802.11n HT20	100	5500	10.50	10.50	13.50
	116	5580	10.50	10.50	13.50
	124	5620	10.50	10.50	13.50
	132	5660	10.50	10.50	13.50
	140	5700	10.50	10.50	13.50
	144	5720	10.50	10.50	13.50
802.11n HT40	102	5510	10.50	10.50	13.50
	110	5550	10.50	10.50	13.50
	126	5630	10.50	10.50	13.50
	134	5670	10.50	10.50	13.50
	142	5710	10.50	10.50	13.50
802.11ac VHT80	106	5530	10.50	10.50	13.50
	122	5610	10.50	10.50	13.50
	138	5690	10.50	10.50	13.50
802.11ac VHT160	114	5570	10.50	10.50	13.50
802.11ax HE20	100	5500	10.50	10.50	13.50
	116	5580	10.50	10.50	13.50
	124	5620	10.50	10.50	13.50
	132	5660	10.50	10.50	13.50
	140	5700	10.50	10.50	13.50
	144	5720	10.50	10.50	13.50
802.11ax HE40	102	5510	10.50	10.50	13.50
	110	5550	10.50	10.50	13.50
	126	5630	10.50	10.50	13.50
	134	5670	10.50	10.50	13.50
	142	5710	10.50	10.50	13.50
802.11ax HE80	106	5530	10.50	10.50	13.50
	122	5610	10.50	10.50	13.50
	138	5690	10.50	10.50	13.50
802.11ax HE160	114	5570	10.50	10.50	13.50

WLAN 5.8 GHz Tune-up Power					
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1	ANT 0+1
			Tune-Up Limit	Tune-Up Limit	Tune-Up Limit
802.11a	149	5745	11.00	11.00	-
	157	5785	11.00	11.00	-
	165	5825	11.00	11.00	-
	169	5845	11.00	11.00	-
	173	5865	11.00	11.00	-
	177	5885	11.00	11.00	-
802.11n HT20	149	5745	11.00	11.00	14.00
	157	5785	11.00	11.00	14.00
	165	5825	11.00	11.00	14.00
	169	5845	11.00	11.00	14.00
	173	5865	11.00	11.00	14.00
	177	5885	11.00	11.00	14.00
802.11n HT40	151	5755	11.00	11.00	14.00
	159	5795	11.00	11.00	14.00
	167	5835	11.00	11.00	14.00
	175	5875	11.00	11.00	14.00
802.11ac VHT80	155	5775	11.00	11.00	14.00
	171	5855	11.00	11.00	14.00
802.11ac VHT160	163	5815	11.00	11.00	13.00
802.11ax HE20	149	5745	11.00	11.00	14.00
	157	5785	11.00	11.00	14.00
	165	5825	11.00	11.00	14.00
	169	5845	11.00	11.00	14.00
	173	5865	11.00	11.00	14.00
	177	5885	11.00	11.00	14.00
802.11ax HE40	151	5755	11.00	11.00	14.00
	159	5795	11.00	11.00	14.00
	167	5835	11.00	11.00	14.00
	175	5875	11.00	11.00	14.00
802.11ax HE80	155	5775	11.00	11.00	14.00
	171	5855	11.00	11.00	14.00
802.11ax HE160	163	5815	11.00	11.00	13.00

BT 2.0 / 3.0 Tune-up Power				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
BR / EDR 1Mbps (GFSK)	0	2402	-	10.50
	39	2441	-	10.50
	78	2480	-	10.50
BR / EDR 2Mbps ($\pi/4$ DQPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00
BR / EDR 3Mbps (8-DPSK)	0	2402	-	10.00
	39	2441	-	10.00
	78	2480	-	10.00

BT 4.0 / 5.0 Tune-up Power				
Mode	Channel	Frequency (MHz)	ANT 0	ANT 1
			Tune-Up Limit	Tune-Up Limit
LE 1Mbps (GFSK)	0	2402	-	7.00
	19	2440	-	7.00
	39	2480	-	7.00
LE 2Mbps ($\pi/4$ DQPSK)	1	2404	-	7.00
	19	2440	-	7.00
	38	2478	-	7.00

<Tablet Mode MAX Conducted Power>

WLAN 2.4 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11b	1	2412	18.42	18.50	18.38	18.50	-	-	-	-
	6	2437	18.24	18.50	18.30	18.50	-	-	-	-
	11	2462	18.37	18.50	18.36	18.50	-	-	-	-
	12	2467	18.33	18.50	18.35	18.50	-	-	-	-
	13	2472	15.41	15.50	15.32	15.50	-	-	-	-
802.11g	1	2412	16.88	17.00	16.93	17.00	-	-	-	-
	6	2437	18.39	18.50	18.32	18.50	-	-	-	-
	11	2462	16.11	16.25	16.37	16.50	-	-	-	-
	12	2467	14.87	15.00	14.87	15.00	-	-	-	-
	13	2472	1.79	2.00	1.34	1.50	-	-	-	-
802.11n HT20	1	2412	16.93	17.00	16.88	17.00	13.74	13.51	16.64	17.00
	6	2437	18.30	18.50	18.37	18.50	17.26	17.31	20.30	20.50
	11	2462	15.92	16.00	16.42	16.50	13.45	13.30	16.39	16.75
	12	2467	14.93	15.00	14.89	15.00	12.28	11.92	15.11	15.50
	13	2472	1.92	2.00	1.42	1.50	-1.42	-0.74	1.94	2.00
802.11n HT40	3	2422	16.38	16.50	16.34	16.50	13.66	13.52	16.60	16.75
	6	2437	17.39	17.50	17.40	17.50	15.39	15.23	18.32	18.50
	9	2452	15.90	16.00	15.92	16.00	13.41	13.23	16.33	16.50
	10	2457	12.13	12.25	11.78	12.00	9.66	9.62	12.65	12.75
	11	2462	4.87	5.00	4.88	5.00	1.87	1.77	4.83	5.00
802.11ax HE20	1	2412	16.86	17.00	16.89	17.00	13.87	13.79	16.84	17.00
	6	2437	18.33	18.50	18.36	18.50	17.42	17.01	20.23	20.50
	11	2462	15.84	16.00	15.90	16.00	13.66	13.52	16.60	16.75
	12	2467	14.89	15.00	14.85	15.00	12.41	12.21	15.32	15.50
	13	2472	1.87	2.00	1.35	1.50	-1.23	-1.13	1.83	2.00
802.11ax HE40	3	2422	16.38	16.50	16.41	16.50	13.66	13.56	16.62	16.75
	6	2437	16.42	16.50	16.43	16.50	15.31	15.47	18.40	18.50
	9	2452	15.89	16.00	15.92	16.00	13.33	13.27	16.31	16.50
	10	2457	12.11	12.25	11.89	12.00	9.66	9.50	12.59	12.75
	11	2462	5.42	5.50	4.41	4.50	2.87	2.77	5.83	6.00

WLAN 5.2 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	36	5180	10.82	11.00	10.80	11.00	-	-	-	-
	40	5200	10.85	11.00	10.76	11.00	-	-	-	-
	44	5220	10.79	11.00	10.69	11.00	-	-	-	-
	48	5240	10.77	11.00	10.74	11.00	-	-	-	-
802.11n HT20	36	5180	10.74	11.00	10.77	11.00	10.89	10.48	13.70	14.00
	40	5200	10.80	11.00	10.79	11.00	10.77	10.44	13.62	14.00
	44	5220	10.72	11.00	10.68	11.00	10.76	10.58	13.68	14.00
	48	5240	10.83	11.00	10.73	11.00	10.92	10.36	13.66	14.00
802.11n HT40	38	5190	10.88	11.00	10.68	11.00	10.85	10.56	13.72	14.00
	46	5230	10.81	11.00	10.74	11.00	10.87	10.48	13.69	14.00
802.11ac VHT80	42	5210	10.89	11.00	10.82	11.00	10.89	10.54	13.73	14.00
802.11ax HE20	36	5180	10.75	11.00	10.66	11.00	10.88	10.36	13.64	14.00
	40	5200	10.74	11.00	10.69	11.00	10.84	10.45	13.66	14.00
	44	5220	10.84	11.00	10.78	11.00	10.78	10.60	13.70	14.00
	48	5240	10.80	11.00	10.75	11.00	10.86	10.34	13.62	14.00
802.11ax HE40	38	5190	10.73	11.00	10.79	11.00	10.92	10.32	13.64	14.00
	46	5230	10.78	11.00	10.77	11.00	10.77	10.63	13.71	14.00
802.11ax HE80	42	5210	10.77	11.00	10.73	11.00	10.72	10.60	13.67	14.00

WLAN 5.3 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	52	5260	10.86	11.00	10.84	11.00	-	-	-	-
	56	5280	10.90	11.00	10.88	11.00	-	-	-	-
	60	5300	10.84	11.00	10.83	11.00	-	-	-	-
	64	5320	10.91	11.00	10.77	11.00	-	-	-	-
802.11n HT20	52	5260	10.83	11.00	10.85	11.00	10.88	10.64	13.77	14.00
	56	5280	10.92	11.00	10.88	11.00	10.91	10.67	13.80	14.00
	60	5300	10.88	11.00	10.81	11.00	10.84	10.72	13.79	14.00
	64	5320	10.84	11.00	10.83	11.00	10.93	10.69	13.82	14.00
802.11n HT40	54	5270	10.89	11.00	10.76	11.00	10.91	10.50	13.72	14.00
	62	5310	10.84	11.00	10.78	11.00	10.85	10.69	13.78	14.00
802.11ac VHT80	58	5290	10.86	11.00	10.84	11.00	10.87	10.63	13.76	14.00
802.11ac VHT160	50	5250	10.94	11.00	10.89	11.00	10.94	10.71	13.84	14.00
802.11ax HE20	52	5260	10.89	11.00	10.82	11.00	10.86	10.78	13.83	14.00
	56	5280	10.82	11.00	10.84	11.00	10.90	10.68	13.80	14.00
	60	5300	10.84	11.00	10.78	11.00	10.78	10.64	13.72	14.00
	64	5320	10.91	11.00	10.87	11.00	10.91	10.58	13.76	14.00
802.11ax HE40	54	5270	10.83	11.00	10.74	11.00	10.86	10.62	13.75	14.00
	62	5310	10.86	11.00	10.86	11.00	10.85	10.69	13.78	14.00
802.11ax HE80	58	5290	10.90	11.00	10.80	11.00	10.92	10.68	13.81	14.00
802.11ax HE160	50	5250	10.88	11.00	10.82	11.00	10.95	10.60	13.79	14.00

WLAN 5.6 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	100	5500	10.34	10.50	10.32	10.50	-	-	-	-
	116	5580	10.38	10.50	10.33	10.50	-	-	-	-
	124	5620	10.33	10.50	10.42	10.50	-	-	-	-
	132	5660	10.35	10.50	10.37	10.50	-	-	-	-
	140	5700	10.40	10.50	10.35	10.50	-	-	-	-
	144	5720	10.36	10.50	10.30	10.50	-	-	-	-
802.11n HT20	100	5500	10.38	10.50	10.32	10.50	10.30	10.34	13.33	13.50
	116	5580	10.32	10.50	10.36	10.50	10.31	10.39	13.36	13.50
	124	5620	10.34	10.50	10.40	10.50	10.33	10.25	13.30	13.50
	132	5660	10.41	10.50	10.36	10.50	10.43	10.31	13.38	13.50
	140	5700	10.30	10.50	10.38	10.50	10.32	10.24	13.29	13.50
	144	5720	10.33	10.50	10.32	10.50	10.34	10.16	13.26	13.50
802.11n HT40	102	5510	10.28	10.50	10.33	10.50	10.39	10.27	13.34	13.50
	110	5550	10.32	10.50	10.30	10.50	10.42	10.28	13.36	13.50
	126	5630	10.35	10.50	10.36	10.50	10.45	10.12	13.30	13.50
	134	5670	10.37	10.50	10.42	10.50	10.33	10.41	13.38	13.50
	142	5710	10.29	10.50	10.37	10.50	10.29	10.23	13.27	13.50
802.11ac VHT80	106	5530	10.22	10.50	10.22	10.50	10.22	9.89	13.07	13.50
	122	5610	10.22	10.50	10.32	10.50	10.22	9.99	13.12	13.50
	138	5690	10.26	10.50	10.44	10.50	10.26	10.04	13.16	13.50
802.11ac VHT160	114	5570	10.43	10.50	10.35	10.50	10.43	10.35	13.40	13.50
802.11ax HE20	100	5500	10.25	10.50	10.38	10.50	10.28	10.26	13.28	13.50
	116	5580	10.29	10.50	10.32	10.50	10.34	10.38	13.37	13.50
	124	5620	10.40	10.50	10.41	10.50	10.24	10.40	13.33	13.50
	132	5660	10.36	10.50	10.33	10.50	10.39	10.31	13.36	13.50
	140	5700	10.33	10.50	10.39	10.50	10.34	10.12	13.24	13.50
	144	5720	10.38	10.50	10.37	10.50	10.32	10.26	13.30	13.50
802.11ax HE40	102	5510	10.42	10.50	10.42	10.50	10.34	10.36	13.36	13.50
	110	5550	10.35	10.50	10.40	10.50	10.33	10.41	13.38	13.50
	126	5630	10.36	10.50	10.35	10.50	10.24	10.32	13.29	13.50
	134	5670	10.26	10.50	10.39	10.50	10.42	10.05	13.25	13.50
	142	5710	10.33	10.50	10.34	10.50	10.36	10.32	13.35	13.50
802.11ax HE80	106	5530	10.27	10.50	10.30	10.50	10.32	10.34	13.34	13.50
	122	5610	10.34	10.50	10.33	10.50	10.41	10.17	13.30	13.50
	138	5690	10.36	10.50	10.38	10.50	10.32	10.24	13.29	13.50
802.11ax HE160	114	5570	10.29	10.50	10.32	10.50	10.38	10.36	13.38	13.50

WLAN 5.8 GHz										
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1		ANT 0+1			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) ANT 0	Average power (dBm) ANT 1	Average power (dBm) ANT 0+1	Tune-Up Limit
802.11a	149	5745	10.84	11.00	10.82	11.00	-	-	-	-
	157	5785	10.93	11.00	10.85	11.00	-	-	-	-
	165	5825	10.82	11.00	10.80	11.00	-	-	-	-
	169	5845	10.91	11.00	10.72	11.00	-	-	-	-
	173	5865	10.86	11.00	10.79	11.00	-	-	-	-
	177	5885	10.88	11.00	10.81	11.00	-	-	-	-
802.11n HT20	149	5745	10.90	11.00	10.77	11.00	10.84	10.72	13.79	14.00
	157	5785	10.84	11.00	10.83	11.00	10.86	10.78	13.83	14.00
	165	5825	10.83	11.00	10.73	11.00	10.84	10.90	13.88	14.00
	169	5845	10.82	11.00	10.75	11.00	10.86	10.55	13.72	14.00
	173	5865	10.87	11.00	10.79	11.00	10.90	10.61	13.77	14.00
	177	5885	10.80	11.00	10.82	11.00	10.81	10.89	13.86	14.00
802.11n HT40	151	5755	10.84	11.00	10.83	11.00	10.84	10.94	13.90	14.00
	159	5795	10.93	11.00	10.78	11.00	10.92	10.61	13.78	14.00
	167	5835	10.82	11.00	10.75	11.00	10.78	10.64	13.72	14.00
	175	5875	10.88	11.00	10.73	11.00	10.85	10.79	13.83	14.00
802.11ac VHT80	155	5775	10.95	11.00	10.86	11.00	10.95	10.86	13.92	14.00
	171	5855	10.86	11.00	10.77	11.00	10.86	10.53	13.71	14.00
802.11ac VHT160	163	5815	10.94	11.00	10.84	11.00	9.87	9.83	12.86	13.00
802.11ax HE20	149	5745	10.87	11.00	10.82	11.00	10.86	10.90	13.89	14.00
	157	5785	10.84	11.00	10.80	11.00	10.78	10.80	13.80	14.00
	165	5825	10.90	11.00	10.71	11.00	10.90	10.61	13.77	14.00
	169	5845	10.83	11.00	10.79	11.00	10.88	10.57	13.74	14.00
	173	5865	10.88	11.00	10.77	11.00	10.80	10.76	13.79	14.00
	177	5885	10.82	11.00	10.75	11.00	10.83	10.81	13.83	14.00
802.11ax HE40	151	5755	10.93	11.00	10.80	11.00	10.86	10.72	13.80	14.00
	159	5795	10.90	11.00	10.71	11.00	10.82	10.96	13.90	14.00
	167	5835	10.86	11.00	10.72	11.00	10.89	10.77	13.84	14.00
	175	5875	10.82	11.00	10.70	11.00	10.81	10.81	13.82	14.00
802.11ax HE80	155	5775	10.89	11.00	10.83	11.00	10.78	10.92	13.86	14.00
	171	5855	10.81	11.00	10.72	11.00	10.87	10.67	13.78	14.00
802.11ax HE160	163	5815	10.83	11.00	10.77	11.00	9.88	9.78	12.84	13.00

BT 2.0 / 3.0						
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
BR / EDR 1Mbps (GFSK)	0	2402	-	-	9.72	10.50
	39	2441	-	-	9.87	10.50
	78	2480	-	-	9.82	10.50
BR / EDR 2Mbps ($\pi/4$ DQPSK)	0	2402	-	-	8.09	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.27	10.00
BR / EDR 3Mbps (8- DPSK)	0	2402	-	-	8.11	10.00
	39	2441	-	-	8.31	10.00
	78	2480	-	-	8.28	10.00

BT 4.0 / 5.0						
Mode	Channel	Frequency (MHz)	ANT 0		ANT 1	
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit
LE 1Mbps (GFSK)	0	2402	-	-	6.47	7.00
	19	2440	-	-	6.85	7.00
	39	2480	-	-	6.56	7.00
LE 2Mbps ($\pi/4$ DQPSK)	1	2404	-	-	6.41	7.00
	19	2440	-	-	6.80	7.00
	38	2478	-	-	6.56	7.00