

Appendix A - Conducted Power Measurements

WCDMA Band		Maximum Tune-up
II	AMR RMC12.2K	19.5
	HSDPA DC-HSDPA	19.5
	HSUPA HSPA+	19.5
IV	AMR RMC12.2K	22.9
	HSDPA DC-HSDPA	22.9
	HSUPA HSPA+	22.9
V	AMR RMC12.2K	21.5
	HSDPA DC-HSDPA	21.5
	HSUPA HSPA+	21.5

LTE Band		Maximum Tune-up		Maximum Tune-up
2	FDD	19.8	-	-
4	FDD	22.5	-	-
5	FDD	21.2	-	-
7	FDD	16.6	-	-
12	FDD	23.4	-	-
13	FDD	21.7	-	-
14	FDD	21.8	-	-
17	FDD	23.4	-	-
25	FDD	19.6	-	-
26	FDD	21.3	-	-
30	FDD	25	-	-
38	TDD	15.9	-	-
41	TDD	16.3	HPUE	15.2
42	TDD	20.3	-	-
48	TDD	20.2	-	-
66	FDD	22.6	-	-
71	FDD	24.2	-	-

NR Band		Maximum Tune-up
n2	FDD	19.5
n5	FDD	21.2
n66	FDD	22.4
n71	FDD	23.9
n48	TDD	19.9
n77	TDD	19.8

	Uplink Channel	9262	9400	9538	Tune up (dBm)	MPR
	Uplink Frequency	1852.4	1880.0	1907.6		
WCDMA II	RMC_12.2Kbps	19.42	19.44	19.4	19.5	-
	HSDPA_Subtest 1	19.29	19.32	19.25	19.5	0
	HSDPA_Subtest 2	19.3	19.31	19.21	19.5	0
	HSDPA_Subtest 3	18.79	18.82	18.75	19	0-0.5
	HSDPA_Subtest 4	18.79	18.8	18.7	19	0-0.5
	HSUPA_Subtest 1	19.33	19.41	19.25	19.5	0
	HSUPA_Subtest 2	17.33	17.41	17.25	17.5	0-2
	HSUPA_Subtest 3	18.31	18.4	18.22	18.5	0-1
	HSUPA_Subtest 4	17.31	17.32	17.22	17.5	0-2
	HSUPA_Subtest 5	19.3	19.31	19.21	19.5	0
	DC-HSDPA_Subtest 1	19.33	19.41	19.25	19.5	0
	DC-HSDPA_Subtest 2	19.21	19.4	19.22	19.5	0
	DC-HSDPA_Subtest 3	18.77	18.89	18.71	19	0-0.5
	DC-HSDPA_Subtest 4	18.71	18.74	18.65	19	0-0.5

	Uplink Channel	1312	1413	1513	Tune up (dBm)	MPR
	Uplink Frequency	1712.4	1732.6	1752.6		
WCDMA IV	RMC_12.2Kbps	22.71	22.78	22.75	22.9	-
	HSDPA_Subtest 1	22.71	22.74	22.69	22.9	0
	HSDPA_Subtest 2	22.61	22.71	22.52	22.9	0
	HSDPA_Subtest 3	22.21	22.32	22.15	22.4	0-0.5
	HSDPA_Subtest 4	22.2	22.3	22.11	22.4	0-0.5
	HSUPA_Subtest 1	22.66	22.71	22.61	22.9	0
	HSUPA_Subtest 2	20.61	20.62	20.51	20.9	0-2
	HSUPA_Subtest 3	21.82	21.85	21.77	21.9	0-1
	HSUPA_Subtest 4	20.74	20.82	20.71	20.9	0-2
	HSUPA_Subtest 5	22.74	22.77	22.62	22.9	0
	DC-HSDPA_Subtest 1	22.61	22.65	22.58	22.9	0
	DC-HSDPA_Subtest 2	22.61	22.62	22.51	22.9	0
	DC-HSDPA_Subtest 3	22.31	22.32	22.21	22.4	0-0.5
	DC-HSDPA_Subtest 4	22.15	22.25	22.11	22.4	0-0.5

	Uplink Channel	4132	4182	4233	Tune up (dBm)	MPR
	Uplink Frequency	826.4	836.4	846.6		
WCDMA V	RMC_12.2Kbps	21.44	21.45	21.41	21.5	-
	HSDPA_Subtest 1	21.31	21.32	21.28	21.5	0
	HSDPA_Subtest 2	21.24	21.25	21.21	21.5	0
	HSDPA_Subtest 3	20.84	20.85	20.81	21	0-0.5
	HSDPA_Subtest 4	20.73	20.74	20.7	21	0-0.5
	HSUPA_Subtest 1	21.3	21.32	21.22	21.5	0
	HSUPA_Subtest 2	19.4	19.41	19.37	19.5	0-2
	HSUPA_Subtest 3	20.21	20.22	20.18	20.5	0-1
	HSUPA_Subtest 4	19.41	19.42	19.38	19.5	0-2
	HSUPA_Subtest 5	21.25	21.31	21.22	21.5	0
	DC-HSDPA_Subtest 1	21.21	21.22	21.18	21.5	0
	DC-HSDPA_Subtest 2	21.19	21.2	21.15	21.5	0
	DC-HSDPA_Subtest 3	20.87	20.88	20.84	21	0-0.5
	DC-HSDPA_Subtest 4	20.73	20.74	20.7	21	0-0.5

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)				
19.72	19.78	19.68	19.8	QPSK	20MHz	1	0
19.70	19.76	19.66	19.8	QPSK	20MHz	1	49
19.68	19.74	19.64	19.8	QPSK	20MHz	1	99
18.78	18.79	18.72	18.8	QPSK	20MHz	50	0
18.74	18.75	18.68	18.8	QPSK	20MHz	50	25
18.70	18.71	18.64	18.8	QPSK	20MHz	50	50
18.71	18.75	18.69	18.8	QPSK	20MHz	100	0
18.70	18.76	18.66	18.8	16QAM	20MHz	1	0
18.68	18.74	18.64	18.8	16QAM	20MHz	1	49
18.66	18.72	18.62	18.8	16QAM	20MHz	1	99
17.76	17.77	17.70	17.8	16QAM	20MHz	50	0
17.72	17.73	17.66	17.8	16QAM	20MHz	50	25
17.68	17.69	17.62	17.8	16QAM	20MHz	50	50
17.69	17.73	17.67	17.8	16QAM	20MHz	100	0
17.66	17.72	17.62	17.8	64QAM	20MHz	1	0
17.64	17.70	17.60	17.8	64QAM	20MHz	1	49
17.62	17.68	17.58	17.8	64QAM	20MHz	1	99
16.72	16.73	16.66	16.8	64QAM	20MHz	50	0
16.68	16.69	16.62	16.8	64QAM	20MHz	50	25
16.64	16.65	16.58	16.8	64QAM	20MHz	50	50
16.65	16.69	16.63	16.8	64QAM	20MHz	100	0
14.68	14.74	14.64	14.8	256QAM	20MHz	1	0
14.66	14.72	14.62	14.8	256QAM	20MHz	1	49
14.64	14.70	14.60	14.8	256QAM	20MHz	1	99
14.74	14.75	14.68	14.8	256QAM	20MHz	50	0
14.70	14.71	14.64	14.8	256QAM	20MHz	50	25
14.66	14.67	14.60	14.8	256QAM	20MHz	50	50
14.67	14.71	14.65	14.8	256QAM	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)				
19.69	19.75	19.65	19.8	QPSK	15MHz	1	0
19.67	19.73	19.63	19.8	QPSK	15MHz	1	37
19.65	19.71	19.61	19.8	QPSK	15MHz	1	74
18.75	18.76	18.69	18.8	QPSK	15MHz	36	0
18.71	18.72	18.65	18.8	QPSK	15MHz	36	19
18.67	18.68	18.61	18.8	QPSK	15MHz	36	39
18.68	18.72	18.66	18.8	QPSK	15MHz	75	0
18.67	18.73	18.63	18.8	16QAM	15MHz	1	0
18.65	18.71	18.61	18.8	16QAM	15MHz	1	37
18.63	18.69	18.59	18.8	16QAM	15MHz	1	74
17.73	17.74	17.67	17.8	16QAM	15MHz	36	0
17.69	17.70	17.63	17.8	16QAM	15MHz	36	19
17.65	17.66	17.59	17.8	16QAM	15MHz	36	39
17.66	17.70	17.64	17.8	16QAM	15MHz	75	0
17.63	17.69	17.59	17.8	64QAM	15MHz	1	0
17.61	17.67	17.57	17.8	64QAM	15MHz	1	37
17.59	17.65	17.55	17.8	64QAM	15MHz	1	74
16.69	16.70	16.63	16.8	64QAM	15MHz	36	0
16.65	16.66	16.59	16.8	64QAM	15MHz	36	19
16.61	16.62	16.55	16.8	64QAM	15MHz	36	39
16.62	16.66	16.60	16.8	64QAM	15MHz	75	0
14.65	14.71	14.61	14.8	256QAM	15MHz	1	0
14.63	14.69	14.59	14.8	256QAM	15MHz	1	37
14.61	14.67	14.57	14.8	256QAM	15MHz	1	74
14.71	14.72	14.65	14.8	256QAM	15MHz	36	0
14.67	14.68	14.61	14.8	256QAM	15MHz	36	19
14.63	14.64	14.57	14.8	256QAM	15MHz	36	39
14.64	14.68	14.62	14.8	256QAM	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)				
19.67	19.73	19.63	19.8	QPSK	10MHz	1	0
19.65	19.71	19.61	19.8	QPSK	10MHz	1	24
19.63	19.69	19.59	19.8	QPSK	10MHz	1	49
18.73	18.74	18.67	18.8	QPSK	10MHz	25	0
18.69	18.70	18.63	18.8	QPSK	10MHz	25	12
18.65	18.66	18.59	18.8	QPSK	10MHz	25	25
18.66	18.70	18.64	18.8	QPSK	10MHz	50	0
18.65	18.71	18.61	18.8	16QAM	10MHz	1	0
18.63	18.69	18.59	18.8	16QAM	10MHz	1	24
18.61	18.67	18.57	18.8	16QAM	10MHz	1	49
17.71	17.72	17.65	17.8	16QAM	10MHz	25	0
17.67	17.68	17.61	17.8	16QAM	10MHz	25	12
17.63	17.64	17.57	17.8	16QAM	10MHz	25	25
17.64	17.68	17.62	17.8	16QAM	10MHz	50	0
17.61	17.67	17.57	17.8	64QAM	10MHz	1	0
17.59	17.65	17.55	17.8	64QAM	10MHz	1	24
17.57	17.63	17.53	17.8	64QAM	10MHz	1	49
16.67	16.68	16.61	16.8	64QAM	10MHz	25	0
16.63	16.64	16.57	16.8	64QAM	10MHz	25	12
16.59	16.60	16.53	16.8	64QAM	10MHz	25	25
16.60	16.64	16.58	16.8	64QAM	10MHz	50	0
14.63	14.69	14.59	14.8	256QAM	10MHz	1	0
14.61	14.67	14.57	14.8	256QAM	10MHz	1	24
14.59	14.65	14.55	14.8	256QAM	10MHz	1	49
14.69	14.70	14.63	14.8	256QAM	10MHz	25	0
14.65	14.66	14.59	14.8	256QAM	10MHz	25	12
14.61	14.62	14.55	14.8	256QAM	10MHz	25	25
14.62	14.66	14.60	14.8	256QAM	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)				
19.63	19.69	19.59	19.8	QPSK	5MHz	1	0
19.61	19.67	19.57	19.8	QPSK	5MHz	1	12
19.59	19.65	19.55	19.8	QPSK	5MHz	1	24
18.69	18.70	18.63	18.8	QPSK	5MHz	12	0
18.65	18.66	18.59	18.8	QPSK	5MHz	12	6
18.61	18.62	18.55	18.8	QPSK	5MHz	12	13
18.62	18.66	18.60	18.8	QPSK	5MHz	25	0
18.61	18.67	18.57	18.8	16QAM	5MHz	1	0
18.59	18.65	18.55	18.8	16QAM	5MHz	1	12
18.57	18.63	18.53	18.8	16QAM	5MHz	1	24
17.67	17.68	17.61	17.8	16QAM	5MHz	12	0
17.63	17.64	17.57	17.8	16QAM	5MHz	12	6
17.59	17.60	17.53	17.8	16QAM	5MHz	12	13
17.60	17.64	17.58	17.8	16QAM	5MHz	25	0
17.57	17.63	17.53	17.8	64QAM	5MHz	1	0
17.55	17.61	17.51	17.8	64QAM	5MHz	1	12
17.53	17.59	17.49	17.8	64QAM	5MHz	1	24
16.63	16.64	16.57	16.8	64QAM	5MHz	12	0
16.59	16.60	16.53	16.8	64QAM	5MHz	12	6
16.55	16.56	16.49	16.8	64QAM	5MHz	12	13
16.56	16.60	16.54	16.8	64QAM	5MHz	25	0
14.59	14.65	14.55	14.8	256QAM	5MHz	1	0
14.57	14.63	14.53	14.8	256QAM	5MHz	1	12
14.55	14.61	14.51	14.8	256QAM	5MHz	1	24
14.65	14.66	14.59	14.8	256QAM	5MHz	12	0
14.61	14.62	14.55	14.8	256QAM	5MHz	12	6
14.57	14.58	14.51	14.8	256QAM	5MHz	12	13
14.58	14.62	14.56	14.8	256QAM	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)				
19.59	19.65	19.55	19.8	QPSK	3MHz	1	0
19.57	19.63	19.53	19.8	QPSK	3MHz	1	7
19.55	19.61	19.51	19.8	QPSK	3MHz	1	14
18.65	18.66	18.59	18.8	QPSK	3MHz	8	0
18.61	18.62	18.55	18.8	QPSK	3MHz	8	3
18.57	18.58	18.51	18.8	QPSK	3MHz	8	7
18.58	18.62	18.56	18.8	QPSK	3MHz	15	0
18.57	18.63	18.53	18.8	16QAM	3MHz	1	0
18.55	18.61	18.51	18.8	16QAM	3MHz	1	7
18.53	18.59	18.49	18.8	16QAM	3MHz	1	14
17.63	17.64	17.57	17.8	16QAM	3MHz	8	0
17.59	17.60	17.53	17.8	16QAM	3MHz	8	3
17.55	17.56	17.49	17.8	16QAM	3MHz	8	7
17.56	17.60	17.54	17.8	16QAM	3MHz	15	0
17.53	17.59	17.49	17.8	64QAM	3MHz	1	0
17.51	17.57	17.47	17.8	64QAM	3MHz	1	7
17.49	17.55	17.45	17.8	64QAM	3MHz	1	14
16.59	16.60	16.53	16.8	64QAM	3MHz	8	0
16.55	16.56	16.49	16.8	64QAM	3MHz	8	3
16.51	16.52	16.45	16.8	64QAM	3MHz	8	7
16.52	16.56	16.50	16.8	64QAM	3MHz	15	0
14.55	14.61	14.51	14.8	256QAM	3MHz	1	0
14.53	14.59	14.49	14.8	256QAM	3MHz	1	7
14.51	14.57	14.47	14.8	256QAM	3MHz	1	14
14.61	14.62	14.55	14.8	256QAM	3MHz	8	0
14.57	14.58	14.51	14.8	256QAM	3MHz	8	3
14.53	14.54	14.47	14.8	256QAM	3MHz	8	7
14.54	14.58	14.52	14.8	256QAM	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)				
19.56	19.62	19.52	19.8	QPSK	1.4MHz	1	0
19.54	19.60	19.50	19.8	QPSK	1.4MHz	1	2
19.52	19.58	19.48	19.8	QPSK	1.4MHz	1	5
18.62	18.63	18.56	19.8	QPSK	1.4MHz	3	0
18.58	18.59	18.52	19.8	QPSK	1.4MHz	3	1
18.54	18.55	18.48	19.8	QPSK	1.4MHz	3	3
18.55	18.59	18.53	18.8	QPSK	1.4MHz	6	0
18.54	18.60	18.50	18.8	16QAM	1.4MHz	1	0
18.52	18.58	18.48	18.8	16QAM	1.4MHz	1	2
18.50	18.56	18.46	18.8	16QAM	1.4MHz	1	5
17.60	17.61	17.54	18.8	16QAM	1.4MHz	3	0
17.56	17.57	17.50	18.8	16QAM	1.4MHz	3	1
17.52	17.53	17.46	18.8	16QAM	1.4MHz	3	3
17.53	17.57	17.51	17.8	16QAM	1.4MHz	6	0
17.50	17.56	17.46	17.8	64QAM	1.4MHz	1	0
17.48	17.54	17.44	17.8	64QAM	1.4MHz	1	2
17.46	17.52	17.42	17.8	64QAM	1.4MHz	1	5
16.56	16.57	16.50	17.8	64QAM	1.4MHz	3	0
16.52	16.53	16.46	17.8	64QAM	1.4MHz	3	1
16.48	16.49	16.42	17.8	64QAM	1.4MHz	3	3
16.49	16.53	16.47	16.8	64QAM	1.4MHz	6	0
14.52	14.58	14.48	14.8	256QAM	1.4MHz	1	0
14.50	14.56	14.46	14.8	256QAM	1.4MHz	1	2
14.48	14.54	14.44	14.8	256QAM	1.4MHz	1	5
14.58	14.59	14.52	14.8	256QAM	1.4MHz	3	0
14.54	14.55	14.48	14.8	256QAM	1.4MHz	3	1
14.50	14.51	14.44	14.8	256QAM	1.4MHz	3	3
14.51	14.55	14.49	14.8	256QAM	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)				
22.41	22.45	22.40	22.5	QPSK	20MHz	1	0
22.36	22.41	22.31	22.5	QPSK	20MHz	1	49
22.33	22.39	22.25	22.5	QPSK	20MHz	1	99
21.42	21.45	21.44	21.5	QPSK	20MHz	50	0
21.35	21.41	21.33	21.5	QPSK	20MHz	50	25
21.34	21.38	21.25	21.5	QPSK	20MHz	50	50
21.33	21.42	21.31	21.5	QPSK	20MHz	100	0
21.38	21.42	21.37	21.5	16QAM	20MHz	1	0
21.33	21.38	21.28	21.5	16QAM	20MHz	1	49
21.30	21.36	21.22	21.5	16QAM	20MHz	1	99
20.39	20.42	20.41	20.5	16QAM	20MHz	50	0
20.32	20.38	20.30	20.5	16QAM	20MHz	50	25
20.31	20.35	20.22	20.5	16QAM	20MHz	50	50
20.30	20.39	20.28	20.5	16QAM	20MHz	100	0
20.36	20.40	20.35	20.5	64QAM	20MHz	1	0
20.31	20.36	20.26	20.5	64QAM	20MHz	1	49
20.28	20.34	20.20	20.5	64QAM	20MHz	1	99
19.37	19.40	19.39	19.5	64QAM	20MHz	50	0
19.30	19.36	19.28	19.5	64QAM	20MHz	50	25
19.29	19.33	19.20	19.5	64QAM	20MHz	50	50
19.28	19.37	19.26	19.5	64QAM	20MHz	100	0
17.35	17.39	17.34	17.5	256QAM	20MHz	1	0
17.30	17.35	17.25	17.5	256QAM	20MHz	1	49
17.27	17.33	17.19	17.5	256QAM	20MHz	1	99
17.36	17.39	17.38	17.5	256QAM	20MHz	50	0
17.29	17.35	17.27	17.5	256QAM	20MHz	50	25
17.28	17.32	17.19	17.5	256QAM	20MHz	50	50
17.27	17.36	17.25	17.5	256QAM	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)				
22.38	22.42	22.37	22.5	QPSK	15MHz	1	0
22.33	22.38	22.28	22.5	QPSK	15MHz	1	37
22.30	22.36	22.22	22.5	QPSK	15MHz	1	74
21.39	21.42	21.41	21.5	QPSK	15MHz	36	0
21.32	21.38	21.30	21.5	QPSK	15MHz	36	19
21.31	21.35	21.22	21.5	QPSK	15MHz	36	39
21.30	21.39	21.28	21.5	QPSK	15MHz	75	0
21.35	21.39	21.34	21.5	16QAM	15MHz	1	0
21.30	21.35	21.25	21.5	16QAM	15MHz	1	37
21.27	21.33	21.19	21.5	16QAM	15MHz	1	74
20.36	20.39	20.38	20.5	16QAM	15MHz	36	0
20.29	20.35	20.27	20.5	16QAM	15MHz	36	19
20.28	20.32	20.19	20.5	16QAM	15MHz	36	39
20.27	20.36	20.25	20.5	16QAM	15MHz	75	0
20.33	20.37	20.32	20.5	64QAM	15MHz	1	0
20.28	20.33	20.23	20.5	64QAM	15MHz	1	37
20.25	20.31	20.17	20.5	64QAM	15MHz	1	74
19.34	19.37	19.36	19.5	64QAM	15MHz	36	0
19.27	19.33	19.25	19.5	64QAM	15MHz	36	19
19.26	19.30	19.17	19.5	64QAM	15MHz	36	39
19.25	19.34	19.23	19.5	64QAM	15MHz	75	0
17.32	17.36	17.31	17.5	256QAM	15MHz	1	0
17.27	17.32	17.22	17.5	256QAM	15MHz	1	37
17.24	17.30	17.16	17.5	256QAM	15MHz	1	74
17.33	17.36	17.35	17.5	256QAM	15MHz	36	0
17.26	17.32	17.24	17.5	256QAM	15MHz	36	19
17.25	17.29	17.16	17.5	256QAM	15MHz	36	39
17.24	17.33	17.22	17.5	256QAM	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)				
22.34	22.38	22.33	22.5	QPSK	10MHz	1	0
22.29	22.34	22.24	22.5	QPSK	10MHz	1	24
22.26	22.32	22.18	22.5	QPSK	10MHz	1	49
21.35	21.38	21.37	21.5	QPSK	10MHz	25	0
21.28	21.34	21.26	21.5	QPSK	10MHz	25	12
21.27	21.31	21.18	21.5	QPSK	10MHz	25	25
21.26	21.35	21.24	21.5	QPSK	10MHz	50	0
21.31	21.35	21.30	21.5	16QAM	10MHz	1	0
21.26	21.31	21.21	21.5	16QAM	10MHz	1	24
21.23	21.29	21.15	21.5	16QAM	10MHz	1	49
20.32	20.35	20.34	20.5	16QAM	10MHz	25	0
20.25	20.31	20.23	20.5	16QAM	10MHz	25	12
20.24	20.28	20.15	20.5	16QAM	10MHz	25	25
20.23	20.32	20.21	20.5	16QAM	10MHz	50	0
20.29	20.33	20.28	20.5	64QAM	10MHz	1	0
20.24	20.29	20.19	20.5	64QAM	10MHz	1	24
20.21	20.27	20.13	20.5	64QAM	10MHz	1	49
19.30	19.33	19.32	19.5	64QAM	10MHz	25	0
19.23	19.29	19.21	19.5	64QAM	10MHz	25	12
19.22	19.26	19.13	19.5	64QAM	10MHz	25	25
19.21	19.30	19.19	19.5	64QAM	10MHz	50	0
17.28	17.32	17.27	17.5	256QAM	10MHz	1	0
17.23	17.28	17.18	17.5	256QAM	10MHz	1	24
17.20	17.26	17.12	17.5	256QAM	10MHz	1	49
17.29	17.32	17.31	17.5	256QAM	10MHz	25	0
17.22	17.28	17.20	17.5	256QAM	10MHz	25	12
17.21	17.25	17.12	17.5	256QAM	10MHz	25	25
17.20	17.29	17.18	17.5	256QAM	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)				
22.32	22.36	22.31	22.5	QPSK	5MHz	1	0
22.27	22.32	22.22	22.5	QPSK	5MHz	1	12
22.24	22.30	22.16	22.5	QPSK	5MHz	1	24
21.33	21.36	21.35	21.5	QPSK	5MHz	12	0
21.26	21.32	21.24	21.5	QPSK	5MHz	12	6
21.25	21.29	21.16	21.5	QPSK	5MHz	12	13
21.24	21.33	21.22	21.5	QPSK	5MHz	25	0
21.29	21.33	21.28	21.5	16QAM	5MHz	1	0
21.24	21.29	21.19	21.5	16QAM	5MHz	1	12
21.21	21.27	21.13	21.5	16QAM	5MHz	1	24
20.30	20.33	20.32	20.5	16QAM	5MHz	12	0
20.23	20.29	20.21	20.5	16QAM	5MHz	12	6
20.22	20.26	20.13	20.5	16QAM	5MHz	12	13
20.21	20.30	20.19	20.5	16QAM	5MHz	25	0
20.27	20.31	20.26	20.5	64QAM	5MHz	1	0
20.22	20.27	20.17	20.5	64QAM	5MHz	1	12
20.19	20.25	20.11	20.5	64QAM	5MHz	1	24
19.28	19.31	19.30	19.5	64QAM	5MHz	12	0
19.21	19.27	19.19	19.5	64QAM	5MHz	12	6
19.20	19.24	19.11	19.5	64QAM	5MHz	12	13
19.19	19.28	19.17	19.5	64QAM	5MHz	25	0
17.26	17.30	17.25	17.5	256QAM	5MHz	1	0
17.21	17.26	17.16	17.5	256QAM	5MHz	1	12
17.18	17.24	17.10	17.5	256QAM	5MHz	1	24
17.27	17.30	17.29	17.5	256QAM	5MHz	12	0
17.20	17.26	17.18	17.5	256QAM	5MHz	12	6
17.19	17.23	17.10	17.5	256QAM	5MHz	12	13
17.18	17.27	17.16	17.5	256QAM	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)				
22.31	22.35	22.30	22.5	QPSK	3MHz	1	0
22.26	22.31	22.21	22.5	QPSK	3MHz	1	7
22.23	22.29	22.15	22.5	QPSK	3MHz	1	14
21.32	21.35	21.34	21.5	QPSK	3MHz	8	0
21.25	21.31	21.23	21.5	QPSK	3MHz	8	3
21.24	21.28	21.15	21.5	QPSK	3MHz	8	7
21.23	21.32	21.21	21.5	QPSK	3MHz	15	0
21.28	21.32	21.27	21.5	16QAM	3MHz	1	0
21.23	21.28	21.18	21.5	16QAM	3MHz	1	7
21.20	21.26	21.12	21.5	16QAM	3MHz	1	14
20.29	20.32	20.31	20.5	16QAM	3MHz	8	0
20.22	20.28	20.20	20.5	16QAM	3MHz	8	3
20.21	20.25	20.12	20.5	16QAM	3MHz	8	7
20.20	20.29	20.18	20.5	16QAM	3MHz	15	0
20.26	20.30	20.25	20.5	64QAM	3MHz	1	0
20.21	20.26	20.16	20.5	64QAM	3MHz	1	7
20.18	20.24	20.10	20.5	64QAM	3MHz	1	14
19.27	19.30	19.29	19.5	64QAM	3MHz	8	0
19.20	19.26	19.18	19.5	64QAM	3MHz	8	3
19.19	19.23	19.10	19.5	64QAM	3MHz	8	7
19.18	19.27	19.16	19.5	64QAM	3MHz	15	0
17.25	17.29	17.24	17.5	256QAM	3MHz	1	0
17.20	17.25	17.15	17.5	256QAM	3MHz	1	7
17.17	17.23	17.09	17.5	256QAM	3MHz	1	14
17.26	17.29	17.28	17.5	256QAM	3MHz	8	0
17.19	17.25	17.17	17.5	256QAM	3MHz	8	3
17.18	17.22	17.09	17.5	256QAM	3MHz	8	7
17.17	17.26	17.15	17.5	256QAM	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)				
22.27	22.31	22.26	22.5	QPSK	1.4MHz	1	0
22.22	22.27	22.17	22.5	QPSK	1.4MHz	1	2
22.19	22.25	22.11	22.5	QPSK	1.4MHz	1	5
21.28	21.31	21.30	22.5	QPSK	1.4MHz	3	0
21.21	21.27	21.19	22.5	QPSK	1.4MHz	3	1
21.20	21.24	21.11	22.5	QPSK	1.4MHz	3	3
21.19	21.28	21.17	21.5	QPSK	1.4MHz	6	0
21.24	21.28	21.23	21.5	16QAM	1.4MHz	1	0
21.19	21.24	21.14	21.5	16QAM	1.4MHz	1	2
21.16	21.22	21.08	21.5	16QAM	1.4MHz	1	5
20.25	20.28	20.27	21.5	16QAM	1.4MHz	3	0
20.18	20.24	20.16	21.5	16QAM	1.4MHz	3	1
20.17	20.21	20.08	21.5	16QAM	1.4MHz	3	3
20.16	20.25	20.14	20.5	16QAM	1.4MHz	6	0
20.22	20.26	20.21	20.5	64QAM	1.4MHz	1	0
20.17	20.22	20.12	20.5	64QAM	1.4MHz	1	2
20.14	20.20	20.06	20.5	64QAM	1.4MHz	1	5
19.23	19.26	19.25	20.5	64QAM	1.4MHz	3	0
19.16	19.22	19.14	20.5	64QAM	1.4MHz	3	1
19.15	19.19	19.06	20.5	64QAM	1.4MHz	3	3
19.14	19.23	19.12	19.5	64QAM	1.4MHz	6	0
17.21	17.25	17.20	17.5	256QAM	1.4MHz	1	0
17.16	17.21	17.11	17.5	256QAM	1.4MHz	1	2
17.13	17.19	17.05	17.5	256QAM	1.4MHz	1	5
17.22	17.25	17.24	17.5	256QAM	1.4MHz	3	0
17.15	17.21	17.13	17.5	256QAM	1.4MHz	3	1
17.14	17.18	17.05	17.5	256QAM	1.4MHz	3	3
17.13	17.22	17.11	17.5	256QAM	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)				
21.10	21.15	21.05	21.2	QPSK	10MHz	1	0
21.06	21.12	21.02	21.2	QPSK	10MHz	1	24
21.01	21.05	20.95	21.2	QPSK	10MHz	1	49
20.11	20.15	20.06	20.2	QPSK	10MHz	25	0
20.09	20.11	20.02	20.2	QPSK	10MHz	25	12
20.04	20.10	19.95	20.2	QPSK	10MHz	25	25
20.05	20.10	20.01	20.2	QPSK	10MHz	50	0
20.08	20.13	20.03	20.2	16QAM	10MHz	1	0
20.04	20.10	20.00	20.2	16QAM	10MHz	1	24
19.99	20.03	19.93	20.2	16QAM	10MHz	1	49
19.09	19.13	19.04	19.2	16QAM	10MHz	25	0
19.07	19.09	19.00	19.2	16QAM	10MHz	25	12
19.02	19.08	18.93	19.2	16QAM	10MHz	25	25
19.03	19.08	18.99	19.2	16QAM	10MHz	50	0
19.03	19.08	18.98	19.2	64QAM	10MHz	1	0
18.99	19.05	18.95	19.2	64QAM	10MHz	1	24
18.94	18.98	18.88	19.2	64QAM	10MHz	1	49
18.04	18.08	17.99	18.2	64QAM	10MHz	25	0
18.02	18.04	17.95	18.2	64QAM	10MHz	25	12
17.97	18.03	17.88	18.2	64QAM	10MHz	25	25
17.98	18.03	17.94	18.2	64QAM	10MHz	50	0
16.07	16.12	16.02	16.2	256QAM	10MHz	1	0
16.03	16.09	15.99	16.2	256QAM	10MHz	1	24
15.98	16.02	15.92	16.2	256QAM	10MHz	1	49
16.08	16.12	16.03	16.2	256QAM	10MHz	25	0
16.06	16.08	15.99	16.2	256QAM	10MHz	25	12
16.01	16.07	15.92	16.2	256QAM	10MHz	25	25
16.02	16.07	15.98	16.2	256QAM	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)				
21.07	21.12	21.02	21.2	QPSK	5MHz	1	0
21.03	21.09	20.99	21.2	QPSK	5MHz	1	12
20.98	21.02	20.92	21.2	QPSK	5MHz	1	24
20.08	20.12	20.03	20.2	QPSK	5MHz	12	0
20.06	20.08	19.99	20.2	QPSK	5MHz	12	6
20.01	20.07	19.92	20.2	QPSK	5MHz	12	13
20.02	20.07	19.98	20.2	QPSK	5MHz	25	0
20.05	20.10	20.00	20.2	16QAM	5MHz	1	0
20.01	20.07	19.97	20.2	16QAM	5MHz	1	12
19.96	20.00	19.90	20.2	16QAM	5MHz	1	24
19.06	19.10	19.01	19.2	16QAM	5MHz	12	0
19.04	19.06	18.97	19.2	16QAM	5MHz	12	6
18.99	19.05	18.90	19.2	16QAM	5MHz	12	13
19.00	19.05	18.96	19.2	16QAM	5MHz	25	0
19.00	19.05	18.95	19.2	64QAM	5MHz	1	0
18.96	19.02	18.92	19.2	64QAM	5MHz	1	12
18.91	18.95	18.85	19.2	64QAM	5MHz	1	24
18.01	18.05	17.96	18.2	64QAM	5MHz	12	0
17.99	18.01	17.92	18.2	64QAM	5MHz	12	6
17.94	18.00	17.85	18.2	64QAM	5MHz	12	13
17.95	18.00	17.91	18.2	64QAM	5MHz	25	0
16.04	16.09	15.99	16.2	256QAM	5MHz	1	0
16.00	16.06	15.96	16.2	256QAM	5MHz	1	12
15.95	15.99	15.89	16.2	256QAM	5MHz	1	24
16.05	16.09	16.00	16.2	256QAM	5MHz	12	0
16.03	16.05	15.96	16.2	256QAM	5MHz	12	6
15.98	16.04	15.89	16.2	256QAM	5MHz	12	13
15.99	16.04	15.95	16.2	256QAM	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)				
21.05	21.10	21.00	21.2	QPSK	3MHz	1	0
21.01	21.07	20.97	21.2	QPSK	3MHz	1	7
20.96	21.00	20.90	21.2	QPSK	3MHz	1	14
20.06	20.10	20.01	20.2	QPSK	3MHz	8	0
20.04	20.06	19.97	20.2	QPSK	3MHz	8	3
19.99	20.05	19.90	20.2	QPSK	3MHz	8	7
20.00	20.05	19.96	20.2	QPSK	3MHz	15	0
20.03	20.08	19.98	20.2	16QAM	3MHz	1	0
19.99	20.05	19.95	20.2	16QAM	3MHz	1	7
19.94	19.98	19.88	20.2	16QAM	3MHz	1	14
19.04	19.08	18.99	19.2	16QAM	3MHz	8	0
19.02	19.04	18.95	19.2	16QAM	3MHz	8	3
18.97	19.03	18.88	19.2	16QAM	3MHz	8	7
18.98	19.03	18.94	19.2	16QAM	3MHz	15	0
18.98	19.03	18.93	19.2	64QAM	3MHz	1	0
18.94	19.00	18.90	19.2	64QAM	3MHz	1	7
18.89	18.93	18.83	19.2	64QAM	3MHz	1	14
17.99	18.03	17.94	18.2	64QAM	3MHz	8	0
17.97	17.99	17.90	18.2	64QAM	3MHz	8	3
17.92	17.98	17.83	18.2	64QAM	3MHz	8	7
17.93	17.98	17.89	18.2	64QAM	3MHz	15	0
16.02	16.07	15.97	16.2	256QAM	3MHz	1	0
15.98	16.04	15.94	16.2	256QAM	3MHz	1	7
15.93	15.97	15.87	16.2	256QAM	3MHz	1	14
16.03	16.07	15.98	16.2	256QAM	3MHz	8	0
16.01	16.03	15.94	16.2	256QAM	3MHz	8	3
15.96	16.02	15.87	16.2	256QAM	3MHz	8	7
15.97	16.02	15.93	16.2	256QAM	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)				
21.01	21.06	20.96	21.2	QPSK	1.4MHz	1	0
20.97	21.03	20.93	21.2	QPSK	1.4MHz	1	2
20.92	20.96	20.86	21.2	QPSK	1.4MHz	1	5
20.02	20.06	19.97	21.2	QPSK	1.4MHz	3	0
20.00	20.02	19.93	21.2	QPSK	1.4MHz	3	1
19.95	20.01	19.86	21.2	QPSK	1.4MHz	3	3
19.96	20.01	19.92	20.2	QPSK	1.4MHz	6	0
19.99	20.04	19.94	20.2	16QAM	1.4MHz	1	0
19.95	20.01	19.91	20.2	16QAM	1.4MHz	1	2
19.90	19.94	19.84	20.2	16QAM	1.4MHz	1	5
19.00	19.04	18.95	20.2	16QAM	1.4MHz	3	0
18.98	19.00	18.91	20.2	16QAM	1.4MHz	3	1
18.93	18.99	18.84	20.2	16QAM	1.4MHz	3	3
18.94	18.99	18.90	19.2	16QAM	1.4MHz	6	0
18.94	18.99	18.89	19.2	64QAM	1.4MHz	1	0
18.90	18.96	18.86	19.2	64QAM	1.4MHz	1	2
18.85	18.89	18.79	19.2	64QAM	1.4MHz	1	5
17.95	17.99	17.90	19.2	64QAM	1.4MHz	3	0
17.93	17.95	17.86	19.2	64QAM	1.4MHz	3	1
17.88	17.94	17.79	19.2	64QAM	1.4MHz	3	3
17.89	17.94	17.85	18.2	64QAM	1.4MHz	6	0
15.98	16.03	15.93	16.2	256QAM	1.4MHz	1	0
15.94	16.00	15.90	16.2	256QAM	1.4MHz	1	2
15.89	15.93	15.83	16.2	256QAM	1.4MHz	1	5
15.99	16.03	15.94	16.2	256QAM	1.4MHz	3	0
15.97	15.99	15.90	16.2	256QAM	1.4MHz	3	1
15.92	15.98	15.83	16.2	256QAM	1.4MHz	3	3
15.93	15.98	15.89	16.2	256QAM	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)				
16.52	16.59	16.48	16.6	QPSK	20MHz	1	0
16.52	16.55	16.42	16.6	QPSK	20MHz	1	49
16.41	16.52	16.33	16.6	QPSK	20MHz	1	99
15.52	15.55	15.48	15.6	QPSK	20MHz	50	0
15.44	15.52	15.41	15.6	QPSK	20MHz	50	25
15.39	15.50	15.32	15.6	QPSK	20MHz	50	50
15.48	15.52	15.41	15.6	QPSK	20MHz	100	0
15.50	15.57	15.46	15.6	16QAM	20MHz	1	0
15.50	15.53	15.40	15.6	16QAM	20MHz	1	49
15.39	15.50	15.31	15.6	16QAM	20MHz	1	99
14.50	14.53	14.46	14.6	16QAM	20MHz	50	0
14.42	14.50	14.39	14.6	16QAM	20MHz	50	25
14.37	14.48	14.30	14.6	16QAM	20MHz	50	50
14.46	14.50	14.39	14.6	16QAM	20MHz	100	0
14.46	14.53	14.42	14.6	64QAM	20MHz	1	0
14.46	14.49	14.36	14.6	64QAM	20MHz	1	49
14.35	14.46	14.27	14.6	64QAM	20MHz	1	99
13.46	13.49	13.42	13.6	64QAM	20MHz	50	0
13.38	13.46	13.35	13.6	64QAM	20MHz	50	25
13.33	13.44	13.26	13.6	64QAM	20MHz	50	50
13.42	13.46	13.35	13.6	64QAM	20MHz	100	0
11.49	11.56	11.45	11.6	256QAM	20MHz	1	0
11.49	11.52	11.39	11.6	256QAM	20MHz	1	49
11.38	11.49	11.30	11.6	256QAM	20MHz	1	99
11.49	11.52	11.45	11.6	256QAM	20MHz	50	0
11.41	11.49	11.38	11.6	256QAM	20MHz	50	25
11.36	11.47	11.29	11.6	256QAM	20MHz	50	50
11.45	11.49	11.38	11.6	256QAM	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)				
16.49	16.56	16.45	16.6	QPSK	15MHz	1	0
16.49	16.52	16.39	16.6	QPSK	15MHz	1	37
16.38	16.49	16.30	16.6	QPSK	15MHz	1	74
15.49	15.52	15.45	15.6	QPSK	15MHz	36	0
15.41	15.49	15.38	15.6	QPSK	15MHz	36	19
15.36	15.47	15.29	15.6	QPSK	15MHz	36	39
15.45	15.49	15.38	15.6	QPSK	15MHz	75	0
15.47	15.54	15.43	15.6	16QAM	15MHz	1	0
15.47	15.50	15.37	15.6	16QAM	15MHz	1	37
15.36	15.47	15.28	15.6	16QAM	15MHz	1	74
14.47	14.50	14.43	14.6	16QAM	15MHz	36	0
14.39	14.47	14.36	14.6	16QAM	15MHz	36	19
14.34	14.45	14.27	14.6	16QAM	15MHz	36	39
14.43	14.47	14.36	14.6	16QAM	15MHz	75	0
14.43	14.50	14.39	14.6	64QAM	15MHz	1	0
14.43	14.46	14.33	14.6	64QAM	15MHz	1	37
14.32	14.43	14.24	14.6	64QAM	15MHz	1	74
13.43	13.46	13.39	13.6	64QAM	15MHz	36	0
13.35	13.43	13.32	13.6	64QAM	15MHz	36	19
13.30	13.41	13.23	13.6	64QAM	15MHz	36	39
13.39	13.43	13.32	13.6	64QAM	15MHz	75	0
11.46	11.53	11.42	11.6	256QAM	15MHz	1	0
11.46	11.49	11.36	11.6	256QAM	15MHz	1	37
11.35	11.46	11.27	11.6	256QAM	15MHz	1	74
11.46	11.49	11.42	11.6	256QAM	15MHz	36	0
11.38	11.46	11.35	11.6	256QAM	15MHz	36	19
11.33	11.44	11.26	11.6	256QAM	15MHz	36	39
11.42	11.46	11.35	11.6	256QAM	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)				
16.45	16.52	16.41	16.6	QPSK	10MHz	1	0
16.45	16.48	16.35	16.6	QPSK	10MHz	1	24
16.34	16.45	16.26	16.6	QPSK	10MHz	1	49
15.45	15.48	15.41	15.6	QPSK	10MHz	25	0
15.37	15.45	15.34	15.6	QPSK	10MHz	25	12
15.32	15.43	15.25	15.6	QPSK	10MHz	25	25
15.41	15.45	15.34	15.6	QPSK	10MHz	50	0
15.43	15.50	15.39	15.6	16QAM	10MHz	1	0
15.43	15.46	15.33	15.6	16QAM	10MHz	1	24
15.32	15.43	15.24	15.6	16QAM	10MHz	1	49
14.43	14.46	14.39	14.6	16QAM	10MHz	25	0
14.35	14.43	14.32	14.6	16QAM	10MHz	25	12
14.30	14.41	14.23	14.6	16QAM	10MHz	25	25
14.39	14.43	14.32	14.6	16QAM	10MHz	50	0
14.39	14.46	14.35	14.6	64QAM	10MHz	1	0
14.39	14.42	14.29	14.6	64QAM	10MHz	1	24
14.28	14.39	14.20	14.6	64QAM	10MHz	1	49
13.39	13.42	13.35	13.6	64QAM	10MHz	25	0
13.31	13.39	13.28	13.6	64QAM	10MHz	25	12
13.26	13.37	13.19	13.6	64QAM	10MHz	25	25
13.35	13.39	13.28	13.6	64QAM	10MHz	50	0
11.42	11.49	11.38	11.6	256QAM	10MHz	1	0
11.42	11.45	11.32	11.6	256QAM	10MHz	1	24
11.31	11.42	11.23	11.6	256QAM	10MHz	1	49
11.42	11.45	11.38	11.6	256QAM	10MHz	25	0
11.34	11.42	11.31	11.6	256QAM	10MHz	25	12
11.29	11.40	11.22	11.6	256QAM	10MHz	25	25
11.38	11.42	11.31	11.6	256QAM	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)				
16.42	16.49	16.38	16.6	QPSK	5MHz	1	0
16.42	16.45	16.32	16.6	QPSK	5MHz	1	12
16.31	16.42	16.23	16.6	QPSK	5MHz	1	24
15.42	15.45	15.38	15.6	QPSK	5MHz	12	0
15.34	15.42	15.31	15.6	QPSK	5MHz	12	6
15.29	15.40	15.22	15.6	QPSK	5MHz	12	13
15.38	15.42	15.31	15.6	QPSK	5MHz	25	0
15.40	15.47	15.36	15.6	16QAM	5MHz	1	0
15.40	15.43	15.30	15.6	16QAM	5MHz	1	12
15.29	15.40	15.21	15.6	16QAM	5MHz	1	24
14.40	14.43	14.36	14.6	16QAM	5MHz	12	0
14.32	14.40	14.29	14.6	16QAM	5MHz	12	6
14.27	14.38	14.20	14.6	16QAM	5MHz	12	13
14.36	14.40	14.29	14.6	16QAM	5MHz	25	0
14.36	14.43	14.32	14.6	64QAM	5MHz	1	0
14.36	14.39	14.26	14.6	64QAM	5MHz	1	12
14.25	14.36	14.17	14.6	64QAM	5MHz	1	24
13.36	13.39	13.32	13.6	64QAM	5MHz	12	0
13.28	13.36	13.25	13.6	64QAM	5MHz	12	6
13.23	13.34	13.16	13.6	64QAM	5MHz	12	13
13.32	13.36	13.25	13.6	64QAM	5MHz	25	0
11.39	11.46	11.35	11.6	256QAM	5MHz	1	0
11.39	11.42	11.29	11.6	256QAM	5MHz	1	12
11.28	11.39	11.20	11.6	256QAM	5MHz	1	24
11.39	11.42	11.35	11.6	256QAM	5MHz	12	0
11.31	11.39	11.28	11.6	256QAM	5MHz	12	6
11.26	11.37	11.19	11.6	256QAM	5MHz	12	13
11.35	11.39	11.28	11.6	256QAM	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)				
23.33	23.36	23.31	23.4	QPSK	10MHz	1	0
23.25	23.33	23.22	23.4	QPSK	10MHz	1	24
23.25	23.31	23.21	23.4	QPSK	10MHz	1	49
22.31	22.35	22.25	22.4	QPSK	10MHz	25	0
22.25	22.31	22.21	22.4	QPSK	10MHz	25	12
22.20	22.25	22.19	22.4	QPSK	10MHz	25	25
22.28	22.33	22.25	22.4	QPSK	10MHz	50	0
22.31	22.34	22.29	22.4	16QAM	10MHz	1	0
22.23	22.31	22.20	22.4	16QAM	10MHz	1	24
22.23	22.29	22.19	22.4	16QAM	10MHz	1	49
21.29	21.33	21.23	21.4	16QAM	10MHz	25	0
21.23	21.29	21.19	21.4	16QAM	10MHz	25	12
21.18	21.23	21.17	21.4	16QAM	10MHz	25	25
21.26	21.31	21.23	21.4	16QAM	10MHz	50	0
21.28	21.31	21.26	21.4	64QAM	10MHz	1	0
21.20	21.28	21.17	21.4	64QAM	10MHz	1	24
21.20	21.26	21.16	21.4	64QAM	10MHz	1	49
20.26	20.30	20.20	20.4	64QAM	10MHz	25	0
20.20	20.26	20.16	20.4	64QAM	10MHz	25	12
20.15	20.20	20.14	20.4	64QAM	10MHz	25	25
20.23	20.28	20.20	20.4	64QAM	10MHz	50	0
18.29	18.32	18.27	18.4	256QAM	10MHz	1	0
18.21	18.29	18.18	18.4	256QAM	10MHz	1	24
18.21	18.27	18.17	18.4	256QAM	10MHz	1	49
18.27	18.31	18.21	18.4	256QAM	10MHz	25	0
18.21	18.27	18.17	18.4	256QAM	10MHz	25	12
18.16	18.21	18.15	18.4	256QAM	10MHz	25	25
18.24	18.29	18.21	18.4	256QAM	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)				
23.26	23.29	23.24	23.4	QPSK	5MHz	1	0
23.18	23.26	23.15	23.4	QPSK	5MHz	1	12
23.18	23.24	23.14	23.4	QPSK	5MHz	1	24
22.24	22.28	22.18	22.4	QPSK	5MHz	12	0
22.18	22.24	22.14	22.4	QPSK	5MHz	12	6
22.13	22.18	22.12	22.4	QPSK	5MHz	12	13
22.21	22.26	22.18	22.4	QPSK	5MHz	25	0
22.24	22.27	22.22	22.4	16QAM	5MHz	1	0
22.16	22.24	22.13	22.4	16QAM	5MHz	1	12
22.16	22.22	22.12	22.4	16QAM	5MHz	1	24
21.22	21.26	21.16	21.4	16QAM	5MHz	12	0
21.16	21.22	21.12	21.4	16QAM	5MHz	12	6
21.11	21.16	21.10	21.4	16QAM	5MHz	12	13
21.19	21.24	21.16	21.4	16QAM	5MHz	25	0
21.21	21.24	21.19	21.4	64QAM	5MHz	1	0
21.13	21.21	21.10	21.4	64QAM	5MHz	1	12
21.13	21.19	21.09	21.4	64QAM	5MHz	1	24
20.19	20.23	20.13	20.4	64QAM	5MHz	12	0
20.13	20.19	20.09	20.4	64QAM	5MHz	12	6
20.08	20.13	20.07	20.4	64QAM	5MHz	12	13
20.16	20.21	20.13	20.4	64QAM	5MHz	25	0
18.22	18.25	18.20	18.4	256QAM	5MHz	1	0
18.14	18.22	18.11	18.4	256QAM	5MHz	1	12
18.14	18.20	18.10	18.4	256QAM	5MHz	1	24
18.20	18.24	18.14	18.4	256QAM	5MHz	12	0
18.14	18.20	18.10	18.4	256QAM	5MHz	12	6
18.09	18.14	18.08	18.4	256QAM	5MHz	12	13
18.17	18.22	18.14	18.4	256QAM	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)				
23.23	23.26	23.21	23.4	QPSK	3MHz	1	0
23.15	23.23	23.12	23.4	QPSK	3MHz	1	7
23.15	23.21	23.11	23.4	QPSK	3MHz	1	14
22.21	22.25	22.15	22.4	QPSK	3MHz	8	0
22.15	22.21	22.11	22.4	QPSK	3MHz	8	3
22.10	22.15	22.09	22.4	QPSK	3MHz	8	7
22.18	22.23	22.15	22.4	QPSK	3MHz	15	0
22.21	22.24	22.19	22.4	16QAM	3MHz	1	0
22.13	22.21	22.10	22.4	16QAM	3MHz	1	7
22.13	22.19	22.09	22.4	16QAM	3MHz	1	14
21.19	21.23	21.13	21.4	16QAM	3MHz	8	0
21.13	21.19	21.09	21.4	16QAM	3MHz	8	3
21.08	21.13	21.07	21.4	16QAM	3MHz	8	7
21.16	21.21	21.13	21.4	16QAM	3MHz	15	0
21.18	21.21	21.16	21.4	64QAM	3MHz	1	0
21.10	21.18	21.07	21.4	64QAM	3MHz	1	7
21.10	21.16	21.06	21.4	64QAM	3MHz	1	14
20.16	20.20	20.10	20.4	64QAM	3MHz	8	0
20.10	20.16	20.06	20.4	64QAM	3MHz	8	3
20.05	20.10	20.04	20.4	64QAM	3MHz	8	7
20.13	20.18	20.10	20.4	64QAM	3MHz	15	0
18.19	18.22	18.17	18.4	256QAM	3MHz	1	0
18.11	18.19	18.08	18.4	256QAM	3MHz	1	7
18.11	18.17	18.07	18.4	256QAM	3MHz	1	14
18.17	18.21	18.11	18.4	256QAM	3MHz	8	0
18.11	18.17	18.07	18.4	256QAM	3MHz	8	3
18.06	18.11	18.05	18.4	256QAM	3MHz	8	7
18.14	18.19	18.11	18.4	256QAM	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)				
23.19	23.22	23.17	23.4	QPSK	1.4MHz	1	0
23.11	23.19	23.08	23.4	QPSK	1.4MHz	1	2
23.11	23.17	23.07	23.4	QPSK	1.4MHz	1	5
22.17	22.21	22.11	23.4	QPSK	1.4MHz	3	0
22.11	22.17	22.07	23.4	QPSK	1.4MHz	3	1
22.06	22.11	22.05	23.4	QPSK	1.4MHz	3	3
22.14	22.19	22.11	22.4	QPSK	1.4MHz	6	0
22.17	22.20	22.15	22.4	16QAM	1.4MHz	1	0
22.09	22.17	22.06	22.4	16QAM	1.4MHz	1	2
22.09	22.15	22.05	22.4	16QAM	1.4MHz	1	5
21.15	21.19	21.09	22.4	16QAM	1.4MHz	3	0
21.09	21.15	21.05	22.4	16QAM	1.4MHz	3	1
21.04	21.09	21.03	22.4	16QAM	1.4MHz	3	3
21.12	21.17	21.09	21.4	16QAM	1.4MHz	6	0
21.14	21.17	21.12	21.4	64QAM	1.4MHz	1	0
21.06	21.14	21.03	21.4	64QAM	1.4MHz	1	2
21.06	21.12	21.02	21.4	64QAM	1.4MHz	1	5
20.12	20.16	20.06	21.4	64QAM	1.4MHz	3	0
20.06	20.12	20.02	21.4	64QAM	1.4MHz	3	1
20.01	20.06	20.00	21.4	64QAM	1.4MHz	3	3
20.09	20.14	20.06	20.4	64QAM	1.4MHz	6	0
18.15	18.18	18.13	18.4	256QAM	1.4MHz	1	0
18.07	18.15	18.04	18.4	256QAM	1.4MHz	1	2
18.07	18.13	18.03	18.4	256QAM	1.4MHz	1	5
18.13	18.17	18.07	18.4	256QAM	1.4MHz	3	0
18.07	18.13	18.03	18.4	256QAM	1.4MHz	3	1
18.02	18.07	18.01	18.4	256QAM	1.4MHz	3	3
18.10	18.15	18.07	18.4	256QAM	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)				
	21.66		21.7	QPSK	10MHz	1	0
	21.62		21.7	QPSK	10MHz	1	24
	21.55		21.7	QPSK	10MHz	1	49
	20.58		20.7	QPSK	10MHz	25	0
	20.51		20.7	QPSK	10MHz	25	12
	20.44		20.7	QPSK	10MHz	25	25
	20.55		20.7	QPSK	10MHz	50	0
20.59	20.61	20.55	20.7	16QAM	10MHz	1	0
20.51	20.53	20.47	20.7	16QAM	10MHz	1	24
20.48	20.50	20.44	20.7	16QAM	10MHz	1	49
19.47	19.49	19.43	19.7	16QAM	10MHz	25	0
19.44	19.46	19.40	19.7	16QAM	10MHz	25	12
19.31	19.33	19.27	19.7	16QAM	10MHz	25	25
19.48	19.50	19.44	19.7	16QAM	10MHz	50	0
19.56	19.58	19.52	19.7	64QAM	10MHz	1	0
19.48	19.50	19.44	19.7	64QAM	10MHz	1	24
19.45	19.47	19.41	19.7	64QAM	10MHz	1	49
18.44	18.46	18.40	18.7	64QAM	10MHz	25	0
18.41	18.43	18.37	18.7	64QAM	10MHz	25	12
18.28	18.30	18.24	18.7	64QAM	10MHz	25	25
18.45	18.47	18.41	18.7	64QAM	10MHz	50	0
16.58	16.60	16.54	16.7	256QAM	10MHz	1	0
16.50	16.52	16.46	16.7	256QAM	10MHz	1	24
16.47	16.49	16.43	16.7	256QAM	10MHz	1	49
16.46	16.48	16.42	16.7	256QAM	10MHz	25	0
16.43	16.45	16.39	16.7	256QAM	10MHz	25	12
16.30	16.32	16.26	16.7	256QAM	10MHz	25	25
16.47	16.49	16.43	16.7	256QAM	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)				
21.55	21.57	21.51	21.7	QPSK	5MHz	1	0
21.47	21.49	21.43	21.7	QPSK	5MHz	1	12
21.44	21.46	21.40	21.7	QPSK	5MHz	1	24
20.43	20.45	20.39	20.7	QPSK	5MHz	12	0
20.40	20.42	20.36	20.7	QPSK	5MHz	12	6
20.27	20.29	20.23	20.7	QPSK	5MHz	12	13
20.44	20.46	20.40	20.7	QPSK	5MHz	25	0
20.53	20.55	20.49	20.7	16QAM	5MHz	1	0
20.45	20.47	20.41	20.7	16QAM	5MHz	1	12
20.42	20.44	20.38	20.7	16QAM	5MHz	1	24
19.41	19.43	19.37	19.7	16QAM	5MHz	12	0
19.38	19.40	19.34	19.7	16QAM	5MHz	12	6
19.25	19.27	19.21	19.7	16QAM	5MHz	12	13
19.42	19.44	19.38	19.7	16QAM	5MHz	25	0
19.50	19.52	19.46	19.7	64QAM	5MHz	1	0
19.42	19.44	19.38	19.7	64QAM	5MHz	1	12
19.39	19.41	19.35	19.7	64QAM	5MHz	1	24
18.38	18.40	18.34	18.7	64QAM	5MHz	12	0
18.35	18.37	18.31	18.7	64QAM	5MHz	12	6
18.22	18.24	18.18	18.7	64QAM	5MHz	12	13
18.39	18.41	18.35	18.7	64QAM	5MHz	25	0
16.52	16.54	16.48	16.7	256QAM	5MHz	1	0
16.44	16.46	16.40	16.7	256QAM	5MHz	1	12
16.41	16.43	16.37	16.7	256QAM	5MHz	1	24
16.40	16.42	16.36	16.7	256QAM	5MHz	12	0
16.37	16.39	16.33	16.7	256QAM	5MHz	12	6
16.24	16.26	16.20	16.7	256QAM	5MHz	12	13
16.41	16.43	16.37	16.7	256QAM	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)				
21.79			21.8	QPSK	10MHz	1	0
21.71			21.8	QPSK	10MHz	1	24
21.65			21.8	QPSK	10MHz	1	49
20.75			20.8	QPSK	10MHz	25	0
20.71			20.8	QPSK	10MHz	25	12
20.54			20.8	QPSK	10MHz	25	25
20.69			20.8	QPSK	10MHz	50	0
20.67	20.74	20.59	20.8	16QAM	10MHz	1	0
20.62	20.66	20.60	20.8	16QAM	10MHz	1	24
20.54	20.58	20.52	20.8	16QAM	10MHz	1	49
19.63	19.70	19.61	19.8	16QAM	10MHz	25	0
19.56	19.60	19.54	19.8	16QAM	10MHz	25	12
19.42	19.49	19.39	19.8	16QAM	10MHz	25	25
19.55	19.59	19.53	19.8	16QAM	10MHz	50	0
19.64	19.71	19.56	19.8	64QAM	10MHz	1	0
19.59	19.63	19.57	19.8	64QAM	10MHz	1	24
19.51	19.55	19.49	19.8	64QAM	10MHz	1	49
18.60	18.67	18.58	18.8	64QAM	10MHz	25	0
18.53	18.57	18.51	18.8	64QAM	10MHz	25	12
18.39	18.46	18.36	18.8	64QAM	10MHz	25	25
18.52	18.56	18.50	18.8	64QAM	10MHz	50	0
16.66	16.73	16.58	16.8	256QAM	10MHz	1	0
16.61	16.65	16.59	16.8	256QAM	10MHz	1	24
16.53	16.57	16.51	16.8	256QAM	10MHz	1	49
16.62	16.69	16.60	16.8	256QAM	10MHz	25	0
16.55	16.59	16.53	16.8	256QAM	10MHz	25	12
16.41	16.48	16.38	16.8	256QAM	10MHz	25	25
16.54	16.58	16.52	16.8	256QAM	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)				
20.64	20.71	20.56	21.8	QPSK	5MHz	1	0
20.59	20.63	20.57	21.8	QPSK	5MHz	1	12
20.51	20.55	20.49	21.8	QPSK	5MHz	1	24
19.60	19.67	19.58	20.8	QPSK	5MHz	12	0
19.53	19.57	19.51	20.8	QPSK	5MHz	12	6
19.39	19.46	19.36	20.8	QPSK	5MHz	12	13
19.52	19.56	19.50	20.8	QPSK	5MHz	25	0
19.62	19.69	19.54	20.8	16QAM	5MHz	1	0
19.57	19.61	19.55	20.8	16QAM	5MHz	1	12
19.49	19.53	19.47	20.8	16QAM	5MHz	1	24
18.58	18.65	18.56	19.8	16QAM	5MHz	12	0
18.51	18.55	18.49	19.8	16QAM	5MHz	12	6
18.37	18.44	18.34	19.8	16QAM	5MHz	12	13
18.50	18.54	18.48	19.8	16QAM	5MHz	25	0
18.59	18.66	18.51	19.8	64QAM	5MHz	1	0
18.54	18.58	18.52	19.8	64QAM	5MHz	1	12
18.46	18.50	18.44	19.8	64QAM	5MHz	1	24
17.55	17.62	17.53	18.8	64QAM	5MHz	12	0
17.48	17.52	17.46	18.8	64QAM	5MHz	12	6
17.34	17.41	17.31	18.8	64QAM	5MHz	12	13
17.47	17.51	17.45	18.8	64QAM	5MHz	25	0
15.61	15.68	15.53	16.8	256QAM	5MHz	1	0
15.56	15.60	15.54	16.8	256QAM	5MHz	1	12
15.48	15.52	15.46	16.8	256QAM	5MHz	1	24
15.57	15.64	15.55	16.8	256QAM	5MHz	12	0
15.50	15.54	15.48	16.8	256QAM	5MHz	12	6
15.36	15.43	15.33	16.8	256QAM	5MHz	12	13
15.49	15.53	15.47	16.8	256QAM	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)				
23.11	23.19	23.14	23.4	QPSK	10MHz	1	0
23.06	23.14	23.09	23.4	QPSK	10MHz	1	24
23.08	23.16	23.11	23.4	QPSK	10MHz	1	49
22.23	22.31	22.26	22.4	QPSK	10MHz	25	0
22.19	22.27	22.22	22.4	QPSK	10MHz	25	12
22.20	22.28	22.23	22.4	QPSK	10MHz	25	25
22.11	22.19	22.14	22.4	QPSK	10MHz	50	0
22.10	22.11	22.07	22.4	16QAM	10MHz	1	0
22.02	22.11	22.03	22.4	16QAM	10MHz	1	24
22.03	22.15	22.02	22.4	16QAM	10MHz	1	49
21.16	21.25	21.17	21.4	16QAM	10MHz	25	0
21.15	21.21	21.22	21.4	16QAM	10MHz	25	12
21.13	21.23	21.13	21.4	16QAM	10MHz	25	25
21.04	21.09	21.07	21.4	16QAM	10MHz	50	0
21.07	21.17	21.12	21.4	64QAM	10MHz	1	0
20.97	21.12	21.06	21.4	64QAM	10MHz	1	24
21.08	21.16	21.05	21.4	64QAM	10MHz	1	49
20.21	20.26	20.25	20.4	64QAM	10MHz	25	0
20.11	20.19	20.20	20.4	64QAM	10MHz	25	12
20.14	20.18	20.21	20.4	64QAM	10MHz	25	25
20.02	20.19	20.10	20.4	64QAM	10MHz	50	0
18.08	18.14	18.05	18.4	256QAM	10MHz	1	0
18.04	18.13	18.05	18.4	256QAM	10MHz	1	24
17.98	18.16	18.03	18.4	256QAM	10MHz	1	49
18.07	18.13	18.11	18.4	256QAM	10MHz	25	0
18.04	18.04	18.08	18.4	256QAM	10MHz	25	12
18.03	18.11	18.09	18.4	256QAM	10MHz	25	25
17.95	17.89	17.99	18.4	256QAM	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)				
23.04	23.17	23.14	23.4	QPSK	5MHz	1	0
23.01	23.08	22.99	23.4	QPSK	5MHz	1	12
22.99	23.06	23.11	23.4	QPSK	5MHz	1	24
22.22	22.26	22.18	22.4	QPSK	5MHz	12	0
22.10	22.26	22.14	22.4	QPSK	5MHz	12	6
22.11	22.25	22.23	22.4	QPSK	5MHz	12	13
22.02	22.16	22.07	22.4	QPSK	5MHz	25	0
22.05	22.03	21.99	22.4	16QAM	5MHz	1	0
22.00	22.04	21.99	22.4	16QAM	5MHz	1	12
22.01	22.12	21.93	22.4	16QAM	5MHz	1	24
21.13	21.25	21.14	21.4	16QAM	5MHz	12	0
21.12	21.18	21.15	21.4	16QAM	5MHz	12	6
21.05	21.14	21.11	21.4	16QAM	5MHz	12	13
21.02	21.05	21.06	21.4	16QAM	5MHz	25	0
21.03	21.12	21.06	21.4	64QAM	5MHz	1	0
20.91	21.07	20.96	21.4	64QAM	5MHz	1	12
21.06	21.13	20.99	21.4	64QAM	5MHz	1	24
20.15	20.23	20.24	20.4	64QAM	5MHz	12	0
20.07	20.10	20.11	20.4	64QAM	5MHz	12	6
20.10	20.16	20.13	20.4	64QAM	5MHz	12	13
19.92	20.16	20.10	20.4	64QAM	5MHz	25	0
18.03	18.10	18.01	18.4	256QAM	5MHz	1	0
17.97	18.13	17.99	18.4	256QAM	5MHz	1	12
17.88	18.06	17.93	18.4	256QAM	5MHz	1	24
18.00	18.13	18.09	18.4	256QAM	5MHz	12	0
18.01	18.01	18.07	18.4	256QAM	5MHz	12	6
17.96	18.03	18.09	18.4	256QAM	5MHz	12	13
17.85	17.83	17.96	18.4	256QAM	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)				
19.55	19.58	19.42	19.6	QPSK	20MHz	1	0
19.51	19.52	19.35	19.6	QPSK	20MHz	1	49
19.32	19.44	19.30	19.6	QPSK	20MHz	1	99
18.52	18.58	18.44	18.6	QPSK	20MHz	50	0
18.51	18.52	18.41	18.6	QPSK	20MHz	50	25
18.41	18.51	18.26	18.6	QPSK	20MHz	50	50
18.48	18.55	18.41	18.6	QPSK	20MHz	100	0
18.53	18.56	18.40	18.6	16QAM	20MHz	1	0
18.49	18.50	18.33	18.6	16QAM	20MHz	1	49
18.30	18.42	18.28	18.6	16QAM	20MHz	1	99
17.50	17.56	17.42	17.6	16QAM	20MHz	50	0
17.49	17.50	17.39	17.6	16QAM	20MHz	50	25
17.39	17.49	17.24	17.6	16QAM	20MHz	50	50
17.46	17.53	17.39	17.6	16QAM	20MHz	100	0
17.50	17.53	17.37	17.6	64QAM	20MHz	1	0
17.46	17.47	17.30	17.6	64QAM	20MHz	1	49
17.27	17.39	17.25	17.6	64QAM	20MHz	1	99
16.47	16.53	16.39	16.6	64QAM	20MHz	50	0
16.46	16.47	16.36	16.6	64QAM	20MHz	50	25
16.36	16.46	16.21	16.6	64QAM	20MHz	50	50
16.43	16.50	16.36	16.6	64QAM	20MHz	100	0
14.52	14.55	14.39	14.6	256QAM	20MHz	1	0
14.48	14.49	14.32	14.6	256QAM	20MHz	1	49
14.29	14.41	14.27	14.6	256QAM	20MHz	1	99
14.49	14.52	14.36	14.6	256QAM	20MHz	50	0
14.45	14.46	14.29	14.6	256QAM	20MHz	50	25
14.26	14.38	14.24	14.6	256QAM	20MHz	50	50
14.21	14.25	14.16	14.6	256QAM	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)				
18.53	18.56	18.40	19.6	QPSK	15MHz	1	0
18.49	18.50	18.33	19.6	QPSK	15MHz	1	37
18.30	18.42	18.28	19.6	QPSK	15MHz	1	74
17.50	17.56	17.42	18.6	QPSK	15MHz	36	0
17.49	17.50	17.39	18.6	QPSK	15MHz	36	19
17.39	17.49	17.24	18.6	QPSK	15MHz	36	39
17.46	17.53	17.39	18.6	QPSK	15MHz	75	0
17.51	17.54	17.38	18.6	16QAM	15MHz	1	0
17.47	17.48	17.31	18.6	16QAM	15MHz	1	37
17.28	17.40	17.26	18.6	16QAM	15MHz	1	74
16.48	16.54	16.40	17.6	16QAM	15MHz	36	0
16.47	16.48	16.37	17.6	16QAM	15MHz	36	19
16.37	16.47	16.22	17.6	16QAM	15MHz	36	39
16.44	16.51	16.37	17.6	16QAM	15MHz	75	0
16.48	16.51	16.35	17.6	64QAM	15MHz	1	0
16.44	16.45	16.28	17.6	64QAM	15MHz	1	37
16.25	16.37	16.23	17.6	64QAM	15MHz	1	74
15.45	15.51	15.37	16.6	64QAM	15MHz	36	0
15.44	15.45	15.34	16.6	64QAM	15MHz	36	19
15.34	15.44	15.19	16.6	64QAM	15MHz	36	39
15.41	15.48	15.34	16.6	64QAM	15MHz	75	0
13.50	13.53	13.37	14.6	256QAM	15MHz	1	0
13.46	13.47	13.30	14.6	256QAM	15MHz	1	37
13.27	13.39	13.25	14.6	256QAM	15MHz	1	74
13.47	13.50	13.34	14.6	256QAM	15MHz	36	0
13.43	13.44	13.27	14.6	256QAM	15MHz	36	19
13.24	13.36	13.22	14.6	256QAM	15MHz	36	39
13.19	13.23	13.14	14.6	256QAM	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)				
19.49	19.52	19.36	19.6	QPSK	10MHz	1	0
19.45	19.46	19.29	19.6	QPSK	10MHz	1	24
19.26	19.38	19.24	19.6	QPSK	10MHz	1	49
18.46	18.52	18.38	18.6	QPSK	10MHz	25	0
18.45	18.46	18.35	18.6	QPSK	10MHz	25	12
18.35	18.45	18.20	18.6	QPSK	10MHz	25	25
18.42	18.49	18.35	18.6	QPSK	10MHz	50	0
18.47	18.50	18.34	18.6	16QAM	10MHz	1	0
18.43	18.44	18.27	18.6	16QAM	10MHz	1	24
18.24	18.36	18.22	18.6	16QAM	10MHz	1	49
17.44	17.50	17.36	17.6	16QAM	10MHz	25	0
17.43	17.44	17.33	17.6	16QAM	10MHz	25	12
17.33	17.43	17.18	17.6	16QAM	10MHz	25	25
17.40	17.47	17.33	17.6	16QAM	10MHz	50	0
17.44	17.47	17.31	17.6	64QAM	10MHz	1	0
17.40	17.41	17.24	17.6	64QAM	10MHz	1	24
17.21	17.33	17.19	17.6	64QAM	10MHz	1	49
16.41	16.47	16.33	16.6	64QAM	10MHz	25	0
16.40	16.41	16.30	16.6	64QAM	10MHz	25	12
16.30	16.40	16.15	16.6	64QAM	10MHz	25	25
16.37	16.44	16.30	16.6	64QAM	10MHz	50	0
14.46	14.49	14.33	14.6	256QAM	10MHz	1	0
14.42	14.43	14.26	14.6	256QAM	10MHz	1	24
14.23	14.35	14.21	14.6	256QAM	10MHz	1	49
14.43	14.46	14.30	14.6	256QAM	10MHz	25	0
14.39	14.40	14.23	14.6	256QAM	10MHz	25	12
14.20	14.32	14.18	14.6	256QAM	10MHz	25	25
14.15	14.19	14.10	14.6	256QAM	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)				
19.43	19.46	19.30	19.6	QPSK	5MHz	1	0
19.39	19.40	19.23	19.6	QPSK	5MHz	1	12
19.20	19.32	19.18	19.6	QPSK	5MHz	1	24
18.40	18.46	18.32	18.6	QPSK	5MHz	12	0
18.39	18.40	18.29	18.6	QPSK	5MHz	12	6
18.29	18.39	18.14	18.6	QPSK	5MHz	12	13
18.36	18.43	18.29	18.6	QPSK	5MHz	25	0
18.41	18.44	18.28	18.6	16QAM	5MHz	1	0
18.37	18.38	18.21	18.6	16QAM	5MHz	1	12
18.18	18.30	18.16	18.6	16QAM	5MHz	1	24
17.38	17.44	17.30	17.6	16QAM	5MHz	12	0
17.37	17.38	17.27	17.6	16QAM	5MHz	12	6
17.27	17.37	17.12	17.6	16QAM	5MHz	12	13
17.34	17.41	17.27	17.6	16QAM	5MHz	25	0
17.38	17.41	17.25	17.6	64QAM	5MHz	1	0
17.34	17.35	17.18	17.6	64QAM	5MHz	1	12
17.15	17.27	17.13	17.6	64QAM	5MHz	1	24
16.35	16.41	16.27	16.6	64QAM	5MHz	12	0
16.34	16.35	16.24	16.6	64QAM	5MHz	12	6
16.24	16.34	16.09	16.6	64QAM	5MHz	12	13
16.31	16.38	16.24	16.6	64QAM	5MHz	25	0
14.40	14.43	14.27	14.6	256QAM	5MHz	1	0
14.36	14.37	14.20	14.6	256QAM	5MHz	1	12
14.17	14.29	14.15	14.6	256QAM	5MHz	1	24
14.37	14.40	14.24	14.6	256QAM	5MHz	12	0
14.33	14.34	14.17	14.6	256QAM	5MHz	12	6
14.14	14.26	14.12	14.6	256QAM	5MHz	12	13
14.09	14.13	14.04	14.6	256QAM	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)				
19.40	19.43	19.27	19.6	QPSK	3MHz	1	0
19.36	19.37	19.20	19.6	QPSK	3MHz	1	7
19.17	19.29	19.15	19.6	QPSK	3MHz	1	14
18.37	18.43	18.29	18.6	QPSK	3MHz	8	0
18.36	18.37	18.26	18.6	QPSK	3MHz	8	3
18.26	18.36	18.11	18.6	QPSK	3MHz	8	7
18.33	18.40	18.26	18.6	QPSK	3MHz	15	0
18.38	18.41	18.25	18.6	16QAM	3MHz	1	0
18.34	18.35	18.18	18.6	16QAM	3MHz	1	7
18.15	18.27	18.13	18.6	16QAM	3MHz	1	14
17.35	17.41	17.27	17.6	16QAM	3MHz	8	0
17.34	17.35	17.24	17.6	16QAM	3MHz	8	3
17.24	17.34	17.09	17.6	16QAM	3MHz	8	7
17.31	17.38	17.24	17.6	16QAM	3MHz	15	0
17.35	17.38	17.22	17.6	64QAM	3MHz	1	0
17.31	17.32	17.15	17.6	64QAM	3MHz	1	7
17.12	17.24	17.10	17.6	64QAM	3MHz	1	14
16.32	16.38	16.24	16.6	64QAM	3MHz	8	0
16.31	16.32	16.21	16.6	64QAM	3MHz	8	3
16.21	16.31	16.06	16.6	64QAM	3MHz	8	7
16.28	16.35	16.21	16.6	64QAM	3MHz	15	0
14.37	14.40	14.24	14.6	256QAM	3MHz	1	0
14.33	14.34	14.17	14.6	256QAM	3MHz	1	7
14.14	14.26	14.12	14.6	256QAM	3MHz	1	14
14.34	14.37	14.21	14.6	256QAM	3MHz	8	0
14.30	14.31	14.14	14.6	256QAM	3MHz	8	3
14.11	14.23	14.09	14.6	256QAM	3MHz	8	7
14.06	14.10	14.01	14.6	256QAM	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)				
19.36	19.39	19.23	19.6	QPSK	1.4MHz	1	0
19.32	19.33	19.16	19.6	QPSK	1.4MHz	1	2
19.13	19.25	19.11	19.6	QPSK	1.4MHz	1	5
18.33	18.39	18.25	19.6	QPSK	1.4MHz	3	0
18.32	18.33	18.22	19.6	QPSK	1.4MHz	3	1
18.22	18.32	18.07	19.6	QPSK	1.4MHz	3	3
18.29	18.36	18.22	18.6	QPSK	1.4MHz	6	0
18.34	18.37	18.21	18.6	16QAM	1.4MHz	1	0
18.30	18.31	18.14	18.6	16QAM	1.4MHz	1	2
18.11	18.23	18.09	18.6	16QAM	1.4MHz	1	5
17.31	17.37	17.23	18.6	16QAM	1.4MHz	3	0
17.30	17.31	17.20	18.6	16QAM	1.4MHz	3	1
17.20	17.30	17.05	18.6	16QAM	1.4MHz	3	3
17.27	17.34	17.20	17.6	16QAM	1.4MHz	6	0
17.31	17.34	17.18	17.6	64QAM	1.4MHz	1	0
17.27	17.28	17.11	17.6	64QAM	1.4MHz	1	2
17.08	17.20	17.06	17.6	64QAM	1.4MHz	1	5
16.28	16.34	16.20	17.6	64QAM	1.4MHz	3	0
16.27	16.28	16.17	17.6	64QAM	1.4MHz	3	1
16.17	16.27	16.02	17.6	64QAM	1.4MHz	3	3
16.24	16.31	16.17	16.6	64QAM	1.4MHz	6	0
14.33	14.36	14.20	14.6	256QAM	1.4MHz	1	0
14.29	14.30	14.13	14.6	256QAM	1.4MHz	1	2
14.10	14.22	14.08	14.6	256QAM	1.4MHz	1	5
14.30	14.33	14.17	14.6	256QAM	1.4MHz	3	0
14.26	14.27	14.10	14.6	256QAM	1.4MHz	3	1
14.07	14.19	14.05	14.6	256QAM	1.4MHz	3	3
14.02	14.06	13.97	14.6	256QAM	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)				
21.22	21.28	21.19	21.3	QPSK	15MHz	1	0
21.21	21.22	21.16	21.3	QPSK	15MHz	1	37
21.11	21.15	21.05	21.3	QPSK	15MHz	1	74
20.22	20.25	20.19	20.3	QPSK	15MHz	36	0
20.15	20.21	20.09	20.3	QPSK	15MHz	36	19
20.11	20.15	20.05	20.3	QPSK	15MHz	36	39
20.12	20.22	20.08	20.3	QPSK	15MHz	75	0
20.19	20.25	20.16	20.3	16QAM	15MHz	1	0
20.18	20.19	20.13	20.3	16QAM	15MHz	1	37
20.08	20.12	20.02	20.3	16QAM	15MHz	1	74
19.19	19.22	19.16	19.3	16QAM	15MHz	36	0
19.12	19.18	19.06	19.3	16QAM	15MHz	36	19
19.08	19.12	19.02	19.3	16QAM	15MHz	36	39
19.09	19.19	19.05	19.3	16QAM	15MHz	75	0
19.15	19.21	19.12	19.3	64QAM	15MHz	1	0
19.14	19.15	19.09	19.3	64QAM	15MHz	1	37
19.04	19.08	18.98	19.3	64QAM	15MHz	1	74
18.15	18.18	18.12	18.3	64QAM	15MHz	36	0
18.08	18.14	18.02	18.3	64QAM	15MHz	36	19
18.04	18.08	17.98	18.3	64QAM	15MHz	36	39
18.05	18.15	18.01	18.3	64QAM	15MHz	75	0
16.16	16.22	16.13	16.3	256QAM	15MHz	1	0
16.15	16.16	16.10	16.3	256QAM	15MHz	1	37
16.05	16.09	15.99	16.3	256QAM	15MHz	1	74
16.13	16.19	16.10	16.3	256QAM	15MHz	36	0
16.12	16.13	16.07	16.3	256QAM	15MHz	36	19
16.02	16.06	15.96	16.3	256QAM	15MHz	36	39
14.95	15.02	14.92	16.3	256QAM	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)				
21.19	21.25	21.16	21.3	QPSK	10MHz	1	0
21.18	21.19	21.13	21.3	QPSK	10MHz	1	24
21.08	21.12	21.02	21.3	QPSK	10MHz	1	49
20.19	20.22	20.16	20.3	QPSK	10MHz	25	0
20.12	20.18	20.06	20.3	QPSK	10MHz	25	12
20.08	20.12	20.02	20.3	QPSK	10MHz	25	25
20.09	20.19	20.05	20.3	QPSK	10MHz	50	0
20.16	20.22	20.13	20.3	16QAM	10MHz	1	0
20.15	20.16	20.10	20.3	16QAM	10MHz	1	24
20.05	20.09	19.99	20.3	16QAM	10MHz	1	49
19.16	19.19	19.13	19.3	16QAM	10MHz	25	0
19.09	19.15	19.03	19.3	16QAM	10MHz	25	12
19.05	19.09	18.99	19.3	16QAM	10MHz	25	25
19.06	19.16	19.02	19.3	16QAM	10MHz	50	0
19.12	19.18	19.09	19.3	64QAM	10MHz	1	0
19.11	19.12	19.06	19.3	64QAM	10MHz	1	24
19.01	19.05	18.95	19.3	64QAM	10MHz	1	49
18.12	18.15	18.09	18.3	64QAM	10MHz	25	0
18.05	18.11	17.99	18.3	64QAM	10MHz	25	12
18.01	18.05	17.95	18.3	64QAM	10MHz	25	25
18.02	18.12	17.98	18.3	64QAM	10MHz	50	0
16.13	16.19	16.10	16.3	256QAM	10MHz	1	0
16.12	16.13	16.07	16.3	256QAM	10MHz	1	24
16.02	16.06	15.96	16.3	256QAM	10MHz	1	49
16.10	16.16	16.07	16.3	256QAM	10MHz	25	0
16.09	16.10	16.04	16.3	256QAM	10MHz	25	12
15.99	16.03	15.93	16.3	256QAM	10MHz	25	25
14.92	14.99	14.89	16.3	256QAM	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)				
21.15	21.21	21.12	21.3	QPSK	5MHz	1	0
21.14	21.15	21.09	21.3	QPSK	5MHz	1	12
21.04	21.08	20.98	21.3	QPSK	5MHz	1	24
20.15	20.18	20.12	20.3	QPSK	5MHz	12	0
20.08	20.14	20.02	20.3	QPSK	5MHz	12	6
20.04	20.08	19.98	20.3	QPSK	5MHz	12	13
20.05	20.15	20.01	20.3	QPSK	5MHz	25	0
20.12	20.18	20.09	20.3	16QAM	5MHz	1	0
20.11	20.12	20.06	20.3	16QAM	5MHz	1	12
20.01	20.05	19.95	20.3	16QAM	5MHz	1	24
19.12	19.15	19.09	19.3	16QAM	5MHz	12	0
19.05	19.11	18.99	19.3	16QAM	5MHz	12	6
19.01	19.05	18.95	19.3	16QAM	5MHz	12	13
19.02	19.12	18.98	19.3	16QAM	5MHz	25	0
19.08	19.14	19.05	19.3	64QAM	5MHz	1	0
19.07	19.08	19.02	19.3	64QAM	5MHz	1	12
18.97	19.01	18.91	19.3	64QAM	5MHz	1	24
18.08	18.11	18.05	18.3	64QAM	5MHz	12	0
18.01	18.07	17.95	18.3	64QAM	5MHz	12	6
17.97	18.01	17.91	18.3	64QAM	5MHz	12	13
17.98	18.08	17.94	18.3	64QAM	5MHz	25	0
16.09	16.15	16.06	16.3	256QAM	5MHz	1	0
16.08	16.09	16.03	16.3	256QAM	5MHz	1	12
15.98	16.02	15.92	16.3	256QAM	5MHz	1	24
16.06	16.12	16.03	16.3	256QAM	5MHz	12	0
16.05	16.06	16.00	16.3	256QAM	5MHz	12	6
15.95	15.99	15.89	16.3	256QAM	5MHz	12	13
14.88	14.95	14.85	16.3	256QAM	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)				
21.12	21.18	21.09	21.3	QPSK	3MHz	1	0
21.11	21.12	21.06	21.3	QPSK	3MHz	1	7
21.01	21.05	20.95	21.3	QPSK	3MHz	1	14
20.12	20.15	20.09	20.3	QPSK	3MHz	8	0
20.05	20.11	19.99	20.3	QPSK	3MHz	8	3
20.01	20.05	19.95	20.3	QPSK	3MHz	8	7
20.02	20.12	19.98	20.3	QPSK	3MHz	15	0
20.09	20.15	20.06	20.3	16QAM	3MHz	1	0
20.08	20.09	20.03	20.3	16QAM	3MHz	1	7
19.98	20.02	19.92	20.3	16QAM	3MHz	1	14
19.09	19.12	19.06	19.3	16QAM	3MHz	8	0
19.02	19.08	18.96	19.3	16QAM	3MHz	8	3
18.98	19.02	18.92	19.3	16QAM	3MHz	8	7
18.99	19.09	18.95	19.3	16QAM	3MHz	15	0
19.05	19.11	19.02	19.3	64QAM	3MHz	1	0
19.04	19.05	18.99	19.3	64QAM	3MHz	1	7
18.94	18.98	18.88	19.3	64QAM	3MHz	1	14
18.05	18.08	18.02	18.3	64QAM	3MHz	8	0
17.98	18.04	17.92	18.3	64QAM	3MHz	8	3
17.94	17.98	17.88	18.3	64QAM	3MHz	8	7
17.95	18.05	17.91	18.3	64QAM	3MHz	15	0
16.06	16.12	16.03	16.3	256QAM	3MHz	1	0
16.05	16.06	16.00	16.3	256QAM	3MHz	1	7
15.95	15.99	15.89	16.3	256QAM	3MHz	1	14
16.03	16.09	16.00	16.3	256QAM	3MHz	8	0
16.02	16.03	15.97	16.3	256QAM	3MHz	8	3
15.92	15.96	15.86	16.3	256QAM	3MHz	8	7
14.85	14.92	14.82	16.3	256QAM	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)				
21.07	21.13	21.04	21.3	QPSK	1.4MHz	1	0
21.06	21.07	21.01	21.3	QPSK	1.4MHz	1	2
20.96	21.00	20.90	21.3	QPSK	1.4MHz	1	5
20.07	20.10	20.04	21.3	QPSK	1.4MHz	3	0
20.00	20.06	19.94	21.3	QPSK	1.4MHz	3	1
19.96	20.00	19.90	21.3	QPSK	1.4MHz	3	3
19.97	20.07	19.93	20.3	QPSK	1.4MHz	6	0
20.04	20.10	20.01	20.3	16QAM	1.4MHz	1	0
20.03	20.04	19.98	20.3	16QAM	1.4MHz	1	2
19.93	19.97	19.87	20.3	16QAM	1.4MHz	1	5
19.04	19.07	19.01	20.3	16QAM	1.4MHz	3	0
18.97	19.03	18.91	20.3	16QAM	1.4MHz	3	1
18.93	18.97	18.87	20.3	16QAM	1.4MHz	3	3
18.94	19.04	18.90	19.3	16QAM	1.4MHz	6	0
19.00	19.06	18.97	19.3	64QAM	1.4MHz	1	0
18.99	19.00	18.94	19.3	64QAM	1.4MHz	1	2
18.89	18.93	18.83	19.3	64QAM	1.4MHz	1	5
18.00	18.03	17.97	19.3	64QAM	1.4MHz	3	0
17.93	17.99	17.87	19.3	64QAM	1.4MHz	3	1
17.89	17.93	17.83	19.3	64QAM	1.4MHz	3	3
17.90	18.00	17.86	18.3	64QAM	1.4MHz	6	0
16.01	16.07	15.98	16.3	256QAM	1.4MHz	1	0
16.00	16.01	15.95	16.3	256QAM	1.4MHz	1	2
15.90	15.94	15.84	16.3	256QAM	1.4MHz	1	5
15.98	16.04	15.95	16.3	256QAM	1.4MHz	3	0
15.97	15.98	15.92	16.3	256QAM	1.4MHz	3	1
15.87	15.91	15.81	16.3	256QAM	1.4MHz	3	3
14.80	14.87	14.77	16.3	256QAM	1.4MHz	6	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)				
15.82	15.88	15.79	15.9	QPSK	20MHz	1	0
15.78	15.80	15.77	15.9	QPSK	20MHz	1	49
15.72	15.79	15.69	15.9	QPSK	20MHz	1	99
14.78	14.85	14.72	14.9	QPSK	20MHz	50	0
14.77	14.82	14.75	14.9	QPSK	20MHz	50	25
14.69	14.79	14.65	14.9	QPSK	20MHz	50	50
14.77	14.82	14.69	14.9	QPSK	20MHz	100	0
14.80	14.86	14.77	14.9	16QAM	20MHz	1	0
14.76	14.78	14.75	14.9	16QAM	20MHz	1	49
14.70	14.77	14.67	14.9	16QAM	20MHz	1	99
13.76	13.83	13.70	13.9	16QAM	20MHz	50	0
13.75	13.80	13.73	13.9	16QAM	20MHz	50	25
13.67	13.77	13.63	13.9	16QAM	20MHz	50	50
13.75	13.80	13.67	13.9	16QAM	20MHz	100	0
13.78	13.84	13.75	13.9	64QAM	20MHz	1	0
13.74	13.76	13.73	13.9	64QAM	20MHz	1	49
13.68	13.75	13.65	13.9	64QAM	20MHz	1	99
12.74	12.81	12.68	12.9	64QAM	20MHz	50	0
12.73	12.78	12.71	12.9	64QAM	20MHz	50	25
12.65	12.75	12.61	12.9	64QAM	20MHz	50	50
12.73	12.78	12.65	12.9	64QAM	20MHz	100	0
10.76	10.82	10.73	10.9	256QAM	20MHz	1	0
10.72	10.74	10.71	10.9	256QAM	20MHz	1	49
10.66	10.73	10.63	10.9	256QAM	20MHz	1	99
10.73	10.79	10.70	10.9	256QAM	20MHz	50	0
10.69	10.71	10.68	10.9	256QAM	20MHz	50	25
10.63	10.70	10.60	10.9	256QAM	20MHz	50	50
10.65	10.64	10.54	10.9	256QAM	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)				
15.76	15.82	15.73	15.9	QPSK	15MHz	1	0
15.72	15.74	15.71	15.9	QPSK	15MHz	1	37
15.66	15.73	15.63	15.9	QPSK	15MHz	1	74
14.72	14.79	14.66	14.9	QPSK	15MHz	36	0
14.71	14.76	14.69	14.9	QPSK	15MHz	36	19
14.63	14.73	14.59	14.9	QPSK	15MHz	36	39
14.71	14.76	14.63	14.9	QPSK	15MHz	75	0
14.74	14.80	14.71	14.9	16QAM	15MHz	1	0
14.70	14.72	14.69	14.9	16QAM	15MHz	1	37
14.64	14.71	14.61	14.9	16QAM	15MHz	1	74
13.70	13.77	13.64	13.9	16QAM	15MHz	36	0
13.69	13.74	13.67	13.9	16QAM	15MHz	36	19
13.61	13.71	13.57	13.9	16QAM	15MHz	36	39
13.69	13.74	13.61	13.9	16QAM	15MHz	75	0
13.72	13.78	13.69	13.9	64QAM	15MHz	1	0
13.68	13.70	13.67	13.9	64QAM	15MHz	1	37
13.62	13.69	13.59	13.9	64QAM	15MHz	1	74
12.68	12.75	12.62	12.9	64QAM	15MHz	36	0
12.67	12.72	12.65	12.9	64QAM	15MHz	36	19
12.59	12.69	12.55	12.9	64QAM	15MHz	36	39
12.67	12.72	12.59	12.9	64QAM	15MHz	75	0
10.70	10.76	10.67	10.9	256QAM	15MHz	1	0
10.66	10.68	10.65	10.9	256QAM	15MHz	1	37
10.60	10.67	10.57	10.9	256QAM	15MHz	1	74
10.67	10.73	10.64	10.9	256QAM	15MHz	36	0
10.63	10.65	10.62	10.9	256QAM	15MHz	36	19
10.57	10.64	10.54	10.9	256QAM	15MHz	36	39
10.59	10.58	10.48	10.9	256QAM	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)				
15.72	15.78	15.69	15.9	QPSK	10MHz	1	0
15.68	15.70	15.67	15.9	QPSK	10MHz	1	24
15.62	15.69	15.59	15.9	QPSK	10MHz	1	49
14.68	14.75	14.62	14.9	QPSK	10MHz	25	0
14.67	14.72	14.65	14.9	QPSK	10MHz	25	12
14.59	14.69	14.55	14.9	QPSK	10MHz	25	25
14.67	14.72	14.59	14.9	QPSK	10MHz	50	0
14.70	14.76	14.67	14.9	16QAM	10MHz	1	0
14.66	14.68	14.65	14.9	16QAM	10MHz	1	24
14.60	14.67	14.57	14.9	16QAM	10MHz	1	49
13.66	13.73	13.60	13.9	16QAM	10MHz	25	0
13.65	13.70	13.63	13.9	16QAM	10MHz	25	12
13.57	13.67	13.53	13.9	16QAM	10MHz	25	25
13.65	13.70	13.57	13.9	16QAM	10MHz	50	0
13.68	13.74	13.65	13.9	64QAM	10MHz	1	0
13.64	13.66	13.63	13.9	64QAM	10MHz	1	24
13.58	13.65	13.55	13.9	64QAM	10MHz	1	49
12.64	12.71	12.58	12.9	64QAM	10MHz	25	0
12.63	12.68	12.61	12.9	64QAM	10MHz	25	12
12.55	12.65	12.51	12.9	64QAM	10MHz	25	25
12.63	12.68	12.55	12.9	64QAM	10MHz	50	0
10.66	10.72	10.63	10.9	256QAM	10MHz	1	0
10.62	10.64	10.61	10.9	256QAM	10MHz	1	24
10.56	10.63	10.53	10.9	256QAM	10MHz	1	49
10.63	10.69	10.60	10.9	256QAM	10MHz	25	0
10.59	10.61	10.58	10.9	256QAM	10MHz	25	12
10.53	10.60	10.50	10.9	256QAM	10MHz	25	25
10.55	10.54	10.44	10.9	256QAM	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)				
15.65	15.71	15.62	15.9	QPSK	5MHz	1	0
15.61	15.63	15.60	15.9	QPSK	5MHz	1	12
15.55	15.62	15.52	15.9	QPSK	5MHz	1	24
14.61	14.68	14.55	14.9	QPSK	5MHz	12	0
14.60	14.65	14.58	14.9	QPSK	5MHz	12	6
14.52	14.62	14.48	14.9	QPSK	5MHz	12	13
14.60	14.65	14.52	14.9	QPSK	5MHz	25	0
14.63	14.69	14.60	14.9	16QAM	5MHz	1	0
14.59	14.61	14.58	14.9	16QAM	5MHz	1	12
14.53	14.60	14.50	14.9	16QAM	5MHz	1	24
13.59	13.66	13.53	13.9	16QAM	5MHz	12	0
13.58	13.63	13.56	13.9	16QAM	5MHz	12	6
13.50	13.60	13.46	13.9	16QAM	5MHz	12	13
13.58	13.63	13.50	13.9	16QAM	5MHz	25	0
13.61	13.67	13.58	13.9	64QAM	5MHz	1	0
13.57	13.59	13.56	13.9	64QAM	5MHz	1	12
13.51	13.58	13.48	13.9	64QAM	5MHz	1	24
12.57	12.64	12.51	12.9	64QAM	5MHz	12	0
12.56	12.61	12.54	12.9	64QAM	5MHz	12	6
12.48	12.58	12.44	12.9	64QAM	5MHz	12	13
12.56	12.61	12.48	12.9	64QAM	5MHz	25	0
10.59	10.65	10.56	10.9	256QAM	5MHz	1	0
10.55	10.57	10.54	10.9	256QAM	5MHz	1	12
10.49	10.56	10.46	10.9	256QAM	5MHz	1	24
10.56	10.62	10.53	10.9	256QAM	5MHz	12	0
10.52	10.54	10.51	10.9	256QAM	5MHz	12	6
10.46	10.53	10.43	10.9	256QAM	5MHz	12	13
10.48	10.47	10.37	10.9	256QAM	5MHz	25	0

LTE Band 41									
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)				
16.25	16.21	16.18	16.28	16.11	16.3	QPSK	20MHz	1	0
16.22	16.15	16.12	16.25	16.02	16.3	QPSK	20MHz	1	49
16.12	16.11	16.05	16.22	15.98	16.3	QPSK	20MHz	1	99
15.24	15.22	15.12	15.27	15.09	15.3	QPSK	20MHz	50	0
15.20	15.11	15.10	15.25	15.02	15.3	QPSK	20MHz	50	25
15.11	15.02	14.98	15.22	14.92	15.3	QPSK	20MHz	50	50
15.15	15.12	15.11	15.25	15.05	15.3	QPSK	20MHz	100	0
15.22	15.18	15.15	15.25	15.08	15.3	16QAM	20MHz	1	0
15.19	15.12	15.09	15.22	14.99	15.3	16QAM	20MHz	1	49
15.09	15.08	15.02	15.19	14.95	15.3	16QAM	20MHz	1	99
14.21	14.19	14.09	14.24	14.06	14.3	16QAM	20MHz	50	0
14.17	14.08	14.07	14.22	13.99	14.3	16QAM	20MHz	50	25
14.08	13.99	13.95	14.19	13.89	14.3	16QAM	20MHz	50	50
14.12	14.09	14.08	14.22	14.02	14.3	16QAM	20MHz	100	0
14.19	14.15	14.12	14.22	14.05	14.3	64QAM	20MHz	1	0
14.16	14.09	14.06	14.19	13.96	14.3	64QAM	20MHz	1	49
14.06	14.05	13.99	14.16	13.92	14.3	64QAM	20MHz	1	99
13.18	13.16	13.06	13.21	13.03	13.3	64QAM	20MHz	50	0
13.14	13.05	13.04	13.19	12.96	13.3	64QAM	20MHz	50	25
13.05	12.96	12.92	13.16	12.86	13.3	64QAM	20MHz	50	50
13.09	13.06	13.05	13.19	12.99	13.3	64QAM	20MHz	100	0
11.23	11.19	11.16	11.26	11.09	11.3	256QAM	20MHz	1	0
11.20	11.13	11.10	11.23	11.00	11.3	256QAM	20MHz	1	49
11.10	11.09	11.03	11.20	10.96	11.3	256QAM	20MHz	1	99
11.21	11.17	11.14	11.24	11.07	11.3	256QAM	20MHz	50	0
11.18	11.11	11.08	11.21	10.98	11.3	256QAM	20MHz	50	25
11.08	11.07	11.01	11.18	10.94	11.3	256QAM	20MHz	50	50
11.17	11.13	11.10	11.20	11.03	11.3	256QAM	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)				
16.19	16.15	16.12	16.22	16.05	16.3	QPSK	15MHz	1	0
16.16	16.09	16.06	16.19	15.96	16.3	QPSK	15MHz	1	37
16.06	16.05	15.99	16.16	15.92	16.3	QPSK	15MHz	1	74
15.18	15.16	15.06	15.21	15.03	15.3	QPSK	15MHz	36	0
15.14	15.05	15.04	15.19	14.96	15.3	QPSK	15MHz	36	19
15.05	14.96	14.92	15.16	14.86	15.3	QPSK	15MHz	36	39
15.09	15.06	15.05	15.19	14.99	15.3	QPSK	15MHz	75	0
15.16	15.12	15.09	15.19	15.02	15.3	16QAM	15MHz	1	0
15.13	15.06	15.03	15.16	14.93	15.3	16QAM	15MHz	1	37
15.03	15.02	14.96	15.13	14.89	15.3	16QAM	15MHz	1	74
14.15	14.13	14.03	14.18	14.00	14.3	16QAM	15MHz	36	0
14.11	14.02	14.01	14.16	13.93	14.3	16QAM	15MHz	36	19
14.02	13.93	13.89	14.13	13.83	14.3	16QAM	15MHz	36	39
14.06	14.03	14.02	14.16	13.96	14.3	16QAM	15MHz	75	0
14.13	14.09	14.06	14.16	13.99	14.3	64QAM	15MHz	1	0
14.10	14.03	14.00	14.13	13.90	14.3	64QAM	15MHz	1	37
14.00	13.99	13.93	14.10	13.86	14.3	64QAM	15MHz	1	74
13.12	13.10	13.00	13.15	12.97	13.3	64QAM	15MHz	36	0
13.08	12.99	12.98	13.13	12.90	13.3	64QAM	15MHz	36	19
12.99	12.90	12.86	13.10	12.80	13.3	64QAM	15MHz	36	39
13.03	13.00	12.99	13.13	12.93	13.3	64QAM	15MHz	75	0
11.17	11.13	11.10	11.20	11.03	11.3	256QAM	15MHz	1	0
11.14	11.07	11.04	11.17	10.94	11.3	256QAM	15MHz	1	37
11.04	11.03	10.97	11.14	10.90	11.3	256QAM	15MHz	1	74
11.15	11.11	11.08	11.18	11.01	11.3	256QAM	15MHz	36	0
11.12	11.05	11.02	11.15	10.92	11.3	256QAM	15MHz	36	19
11.02	11.01	10.95	11.12	10.88	11.3	256QAM	15MHz	36	39
11.11	11.07	11.04	11.14	10.97	11.3	256QAM	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)				
16.13	16.09	16.06	16.16	15.99	16.3	QPSK	10MHz	1	0
16.10	16.03	16.00	16.13	15.90	16.3	QPSK	10MHz	1	24
16.00	15.99	15.93	16.10	15.86	16.3	QPSK	10MHz	1	49
15.12	15.10	15.00	15.15	14.97	15.3	QPSK	10MHz	25	0
15.08	14.99	14.98	15.13	14.90	15.3	QPSK	10MHz	25	12
14.99	14.90	14.86	15.10	14.80	15.3	QPSK	10MHz	25	25
15.03	15.00	14.99	15.13	14.93	15.3	QPSK	10MHz	50	0
15.10	15.06	15.03	15.13	14.96	15.3	16QAM	10MHz	1	0
15.07	15.00	14.97	15.10	14.87	15.3	16QAM	10MHz	1	24
14.97	14.96	14.90	15.07	14.83	15.3	16QAM	10MHz	1	49
14.09	14.07	13.97	14.12	13.94	14.3	16QAM	10MHz	25	0
14.05	13.96	13.95	14.10	13.87	14.3	16QAM	10MHz	25	12
13.96	13.87	13.83	14.07	13.77	14.3	16QAM	10MHz	25	25
14.00	13.97	13.96	14.10	13.90	14.3	16QAM	10MHz	50	0
14.07	14.03	14.00	14.10	13.93	14.3	64QAM	10MHz	1	0
14.04	13.97	13.94	14.07	13.84	14.3	64QAM	10MHz	1	24
13.94	13.93	13.87	14.04	13.80	14.3	64QAM	10MHz	1	49
13.06	13.04	12.94	13.09	12.91	13.3	64QAM	10MHz	25	0
13.02	12.93	12.92	13.07	12.84	13.3	64QAM	10MHz	25	12
12.93	12.84	12.80	13.04	12.74	13.3	64QAM	10MHz	25	25
12.97	12.94	12.93	13.07	12.87	13.3	64QAM	10MHz	50	0
11.11	11.07	11.04	11.14	10.97	11.3	256QAM	10MHz	1	0
11.08	11.01	10.98	11.11	10.88	11.3	256QAM	10MHz	1	24
10.98	10.97	10.91	11.08	10.84	11.3	256QAM	10MHz	1	49
11.09	11.05	11.02	11.12	10.95	11.3	256QAM	10MHz	25	0
11.06	10.99	10.96	11.09	10.86	11.3	256QAM	10MHz	25	12
10.96	10.95	10.89	11.06	10.82	11.3	256QAM	10MHz	25	25
11.05	11.01	10.98	11.08	10.91	11.3	256QAM	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)				
16.09	16.05	16.02	16.12	15.95	16.3	QPSK	5MHz	1	0
16.06	15.99	15.96	16.09	15.86	16.3	QPSK	5MHz	1	12
15.96	15.95	15.89	16.06	15.82	16.3	QPSK	5MHz	1	24
15.08	15.06	14.96	15.11	14.93	15.3	QPSK	5MHz	12	0
15.04	14.95	14.94	15.09	14.86	15.3	QPSK	5MHz	12	6
14.95	14.86	14.82	15.06	14.76	15.3	QPSK	5MHz	12	13
14.99	14.96	14.95	15.09	14.89	15.3	QPSK	5MHz	25	0
15.06	15.02	14.99	15.09	14.92	15.3	16QAM	5MHz	1	0
15.03	14.96	14.93	15.06	14.83	15.3	16QAM	5MHz	1	12
14.93	14.92	14.86	15.03	14.79	15.3	16QAM	5MHz	1	24
14.05	14.03	13.93	14.08	13.90	14.3	16QAM	5MHz	12	0
14.01	13.92	13.91	14.06	13.83	14.3	16QAM	5MHz	12	6
13.92	13.83	13.79	14.03	13.73	14.3	16QAM	5MHz	12	13
13.96	13.93	13.92	14.06	13.86	14.3	16QAM	5MHz	25	0
14.03	13.99	13.96	14.06	13.89	14.3	64QAM	5MHz	1	0
14.00	13.93	13.90	14.03	13.80	14.3	64QAM	5MHz	1	12
13.90	13.89	13.83	14.00	13.76	14.3	64QAM	5MHz	1	24
13.02	13.00	12.90	13.05	12.87	13.3	64QAM	5MHz	12	0
12.98	12.89	12.88	13.03	12.80	13.3	64QAM	5MHz	12	6
12.89	12.80	12.76	13.00	12.70	13.3	64QAM	5MHz	12	13
12.93	12.90	12.89	13.03	12.83	13.3	64QAM	5MHz	25	0
11.07	11.03	11.00	11.10	10.93	11.3	256QAM	5MHz	1	0
11.04	10.97	10.94	11.07	10.84	11.3	256QAM	5MHz	1	12
10.94	10.93	10.87	11.04	10.80	11.3	256QAM	5MHz	1	24
11.05	11.01	10.98	11.08	10.91	11.3	256QAM	5MHz	12	0
11.02	10.95	10.92	11.05	10.82	11.3	256QAM	5MHz	12	6
10.92	10.91	10.85	11.02	10.78	11.3	256QAM	5MHz	12	13
11.01	10.97	10.94	11.04	10.87	11.3	256QAM	5MHz	25	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39790	40185	40620	41055	41490	Channel				
2510	2549.5	2593	2636.5	2680	Freq. (MHz)				
16.23	16.21	16.18	16.28	16.11	16.3	QPSK	20MHz	1	0
16.20	16.15	16.12	16.25	16.02	16.3	QPSK	20MHz	1	49
16.10	16.11	16.05	16.22	15.98	16.3	QPSK	20MHz	1	99
15.22	15.22	15.12	15.27	15.09	15.3	QPSK	20MHz	50	0
15.18	15.11	15.10	15.25	15.02	15.3	QPSK	20MHz	50	25
15.09	15.02	14.98	15.22	14.92	15.3	QPSK	20MHz	50	50
15.13	15.12	15.11	15.25	15.05	15.3	QPSK	20MHz	100	0
15.20	15.18	15.15	15.25	15.08	15.3	16QAM	20MHz	1	0
15.17	15.12	15.09	15.22	14.99	15.3	16QAM	20MHz	1	49
15.07	15.08	15.02	15.19	14.95	15.3	16QAM	20MHz	1	99
14.19	14.19	14.09	14.24	14.06	14.3	16QAM	20MHz	50	0
14.15	14.08	14.07	14.22	13.99	14.3	16QAM	20MHz	50	25
14.06	13.99	13.95	14.19	13.89	14.3	16QAM	20MHz	50	50
14.10	14.09	14.08	14.22	14.02	14.3	16QAM	20MHz	100	0
14.17	14.15	14.12	14.22	14.05	14.3	64QAM	20MHz	1	0
14.14	14.09	14.06	14.19	13.96	14.3	64QAM	20MHz	1	49
14.04	14.05	13.99	14.16	13.92	14.3	64QAM	20MHz	1	99
13.16	13.16	13.06	13.21	13.03	13.3	64QAM	20MHz	50	0
13.12	13.05	13.04	13.19	12.96	13.3	64QAM	20MHz	50	25
13.03	12.96	12.92	13.16	12.86	13.3	64QAM	20MHz	50	50
13.07	13.06	13.05	13.19	12.99	13.3	64QAM	20MHz	100	0
11.21	11.19	11.16	11.26	11.09	11.3	256QAM	20MHz	1	0
11.18	11.13	11.10	11.23	11.00	11.3	256QAM	20MHz	1	49
11.08	11.09	11.03	11.20	10.96	11.3	256QAM	20MHz	1	99
11.19	11.17	11.14	11.24	11.07	11.3	256QAM	20MHz	50	0
11.16	11.11	11.08	11.21	10.98	11.3	256QAM	20MHz	50	25
11.06	11.07	11.01	11.18	10.94	11.3	256QAM	20MHz	50	50
11.15	11.13	11.10	11.20	11.03	11.3	256QAM	20MHz	100	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39765	40173	40620	41068	41515	Channel				
2507.5	2548.3	2593	2637.8	2682.5	Freq. (MHz)				
16.20	16.15	16.12	16.22	16.05	16.3	QPSK	15MHz	1	0
16.17	16.09	16.06	16.19	15.96	16.3	QPSK	15MHz	1	37
16.07	16.05	15.99	16.16	15.92	16.3	QPSK	15MHz	1	74
15.19	15.16	15.06	15.21	15.03	15.3	QPSK	15MHz	36	0
15.15	15.05	15.04	15.19	14.96	15.3	QPSK	15MHz	36	19
15.06	14.96	14.92	15.16	14.86	15.3	QPSK	15MHz	36	39
15.10	15.06	15.05	15.19	14.99	15.3	QPSK	15MHz	75	0
15.17	15.12	15.09	15.19	15.02	15.3	16QAM	15MHz	1	0
15.14	15.06	15.03	15.16	14.93	15.3	16QAM	15MHz	1	37
15.04	15.02	14.96	15.13	14.89	15.3	16QAM	15MHz	1	74
14.16	14.13	14.03	14.18	14.00	14.3	16QAM	15MHz	36	0
14.12	14.02	14.01	14.16	13.93	14.3	16QAM	15MHz	36	19
14.03	13.93	13.89	14.13	13.83	14.3	16QAM	15MHz	36	39
14.07	14.03	14.02	14.16	13.96	14.3	16QAM	15MHz	75	0
14.14	14.09	14.06	14.16	13.99	14.3	64QAM	15MHz	1	0
14.11	14.03	14.00	14.13	13.90	14.3	64QAM	15MHz	1	37
14.01	13.99	13.93	14.10	13.86	14.3	64QAM	15MHz	1	74
13.13	13.10	13.00	13.15	12.97	13.3	64QAM	15MHz	36	0
13.09	12.99	12.98	13.13	12.90	13.3	64QAM	15MHz	36	19
13.00	12.90	12.86	13.10	12.80	13.3	64QAM	15MHz	36	39
13.04	13.00	12.99	13.13	12.93	13.3	64QAM	15MHz	75	0
11.18	11.13	11.10	11.20	11.03	11.3	256QAM	15MHz	1	0
11.15	11.07	11.04	11.17	10.94	11.3	256QAM	15MHz	1	37
11.05	11.03	10.97	11.14	10.90	11.3	256QAM	15MHz	1	74
11.16	11.11	11.08	11.18	11.01	11.3	256QAM	15MHz	36	0
11.13	11.05	11.02	11.15	10.92	11.3	256QAM	15MHz	36	19
11.03	11.01	10.95	11.12	10.88	11.3	256QAM	15MHz	36	39
11.12	11.07	11.04	11.14	10.97	11.3	256QAM	15MHz	75	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39740	40160	40620	41080	41540	Channel				
2505	2547	2593	2639	2685	Freq. (MHz)				
16.14	16.09	16.06	16.16	15.99	16.3	QPSK	10MHz	1	0
16.11	16.03	16.00	16.13	15.90	16.3	QPSK	10MHz	1	24
16.01	15.99	15.93	16.10	15.86	16.3	QPSK	10MHz	1	49
15.13	15.10	15.00	15.15	14.97	15.3	QPSK	10MHz	25	0
15.09	14.99	14.98	15.13	14.90	15.3	QPSK	10MHz	25	12
15.00	14.90	14.86	15.10	14.80	15.3	QPSK	10MHz	25	25
15.04	15.00	14.99	15.13	14.93	15.3	QPSK	10MHz	50	0
15.11	15.06	15.03	15.13	14.96	15.3	16QAM	10MHz	1	0
15.08	15.00	14.97	15.10	14.87	15.3	16QAM	10MHz	1	24
14.98	14.96	14.90	15.07	14.83	15.3	16QAM	10MHz	1	49
14.10	14.07	13.97	14.12	13.94	14.3	16QAM	10MHz	25	0
14.06	13.96	13.95	14.10	13.87	14.3	16QAM	10MHz	25	12
13.97	13.87	13.83	14.07	13.77	14.3	16QAM	10MHz	25	25
14.01	13.97	13.96	14.10	13.90	14.3	16QAM	10MHz	50	0
14.08	14.03	14.00	14.10	13.93	14.3	64QAM	10MHz	1	0
14.05	13.97	13.94	14.07	13.84	14.3	64QAM	10MHz	1	24
13.95	13.93	13.87	14.04	13.80	14.3	64QAM	10MHz	1	49
13.07	13.04	12.94	13.09	12.91	13.3	64QAM	10MHz	25	0
13.03	12.93	12.92	13.07	12.84	13.3	64QAM	10MHz	25	12
12.94	12.84	12.80	13.04	12.74	13.3	64QAM	10MHz	25	25
12.98	12.94	12.93	13.07	12.87	13.3	64QAM	10MHz	50	0
11.12	11.07	11.04	11.14	10.97	11.3	256QAM	10MHz	1	0
11.09	11.01	10.98	11.11	10.88	11.3	256QAM	10MHz	1	24
10.99	10.97	10.91	11.08	10.84	11.3	256QAM	10MHz	1	49
11.10	11.05	11.02	11.12	10.95	11.3	256QAM	10MHz	25	0
11.07	10.99	10.96	11.09	10.86	11.3	256QAM	10MHz	25	12
10.97	10.95	10.89	11.06	10.82	11.3	256QAM	10MHz	25	25
11.06	11.01	10.98	11.08	10.91	11.3	256QAM	10MHz	50	0

LTE Band 41									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
39715	40148	40620	41093	41565	Channel				
2502.5	2545.8	2593	2640.3	2687.5	Freq. (MHz)				
16.11	16.05	16.02	16.12	15.95	16.3	QPSK	5MHz	1	0
16.08	15.99	15.96	16.09	15.86	16.3	QPSK	5MHz	1	12
15.98	15.95	15.89	16.06	15.82	16.3	QPSK	5MHz	1	24
15.10	15.06	14.96	15.11	14.93	15.3	QPSK	5MHz	12	0
15.06	14.95	14.94	15.09	14.86	15.3	QPSK	5MHz	12	6
14.97	14.86	14.82	15.06	14.76	15.3	QPSK	5MHz	12	13
15.01	14.96	14.95	15.09	14.89	15.3	QPSK	5MHz	25	0
15.08	15.02	14.99	15.09	14.92	15.3	16QAM	5MHz	1	0
15.05	14.96	14.93	15.06	14.83	15.3	16QAM	5MHz	1	12
14.95	14.92	14.86	15.03	14.79	15.3	16QAM	5MHz	1	24
14.07	14.03	13.93	14.08	13.90	14.3	16QAM	5MHz	12	0
14.03	13.92	13.91	14.06	13.83	14.3	16QAM	5MHz	12	6
13.94	13.83	13.79	14.03	13.73	14.3	16QAM	5MHz	12	13
13.98	13.93	13.92	14.06	13.86	14.3	16QAM	5MHz	25	0
14.05	13.99	13.96	14.06	13.89	14.3	64QAM	5MHz	1	0
14.02	13.93	13.90	14.03	13.80	14.3	64QAM	5MHz	1	12
13.92	13.89	13.83	14.00	13.76	14.3	64QAM	5MHz	1	24
13.04	13.00	12.90	13.05	12.87	13.3	64QAM	5MHz	12	0
13.00	12.89	12.88	13.03	12.80	13.3	64QAM	5MHz	12	6
12.91	12.80	12.76	13.00	12.70	13.3	64QAM	5MHz	12	13
12.95	12.90	12.89	13.03	12.83	13.3	64QAM	5MHz	25	0
11.09	11.03	11.00	11.10	10.93	11.3	256QAM	5MHz	1	0
11.06	10.97	10.94	11.07	10.84	11.3	256QAM	5MHz	1	12
10.96	10.93	10.87	11.04	10.80	11.3	256QAM	5MHz	1	24
11.07	11.01	10.98	11.08	10.91	11.3	256QAM	5MHz	12	0
11.04	10.95	10.92	11.05	10.82	11.3	256QAM	5MHz	12	6
10.94	10.91	10.85	11.02	10.78	11.3	256QAM	5MHz	12	13
11.03	10.97	10.94	11.04	10.87	11.3	256QAM	5MHz	25	0

LTE Band 42							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
43190	43340	43490	Channel				
3560	3575	3590	Freq. (MHz)				
20.22	20.25	20.15	20.3	QPSK	20MHz	1	0
20.15	20.21	20.11	20.3	QPSK	20MHz	1	49
20.11	20.15	20.08	20.3	QPSK	20MHz	1	99
19.18	19.22	19.11	19.3	QPSK	20MHz	50	0
19.15	19.21	19.10	19.3	QPSK	20MHz	50	25
19.11	19.20	19.05	19.3	QPSK	20MHz	50	50
19.15	19.20	19.05	19.3	QPSK	20MHz	100	0
19.20	19.23	19.13	19.3	16QAM	20MHz	1	0
19.13	19.19	19.09	19.3	16QAM	20MHz	1	49
19.09	19.13	19.06	19.3	16QAM	20MHz	1	99
18.16	18.20	18.09	18.3	16QAM	20MHz	50	0
18.13	18.19	18.08	18.3	16QAM	20MHz	50	25
18.09	18.18	18.03	18.3	16QAM	20MHz	50	50
18.13	18.18	18.03	18.3	16QAM	20MHz	100	0
18.14	18.17	18.07	18.3	64QAM	20MHz	1	0
18.07	18.13	18.03	18.3	64QAM	20MHz	1	49
18.03	18.07	18.00	18.3	64QAM	20MHz	1	99
17.10	17.14	17.03	17.3	64QAM	20MHz	50	0
17.07	17.13	17.02	17.3	64QAM	20MHz	50	25
17.03	17.12	16.97	17.3	64QAM	20MHz	50	50
17.07	17.12	16.97	17.3	64QAM	20MHz	100	0
15.20	15.23	15.13	15.3	256QAM	20MHz	1	0
15.13	15.19	15.09	15.3	256QAM	20MHz	1	49
15.09	15.13	15.06	15.3	256QAM	20MHz	1	99
15.18	15.21	15.11	15.3	256QAM	20MHz	50	0
15.11	15.17	15.07	15.3	256QAM	20MHz	50	25
15.07	15.11	15.04	15.3	256QAM	20MHz	50	50
15.06	15.11	15.01	15.3	256QAM	20MHz	100	0

LTE Band 42							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
43165	43340	43515	Channel				
3557.5	3575	3592.5	Freq. (MHz)				
20.16	20.19	20.09	20.3	QPSK	15MHz	1	0
20.09	20.15	20.05	20.3	QPSK	15MHz	1	37
20.05	20.09	20.02	20.3	QPSK	15MHz	1	74
19.12	19.16	19.05	19.3	QPSK	15MHz	36	0
19.09	19.15	19.04	19.3	QPSK	15MHz	36	19
19.05	19.14	18.99	19.3	QPSK	15MHz	36	39
19.09	19.14	18.99	19.3	QPSK	15MHz	75	0
19.14	19.17	19.07	19.3	16QAM	15MHz	1	0
19.07	19.13	19.03	19.3	16QAM	15MHz	1	37
19.03	19.07	19.00	19.3	16QAM	15MHz	1	74
18.10	18.14	18.03	18.3	16QAM	15MHz	36	0
18.07	18.13	18.02	18.3	16QAM	15MHz	36	19
18.03	18.12	17.97	18.3	16QAM	15MHz	36	39
18.07	18.12	17.97	18.3	16QAM	15MHz	75	0
18.08	18.11	18.01	18.3	64QAM	15MHz	1	0
18.01	18.07	17.97	18.3	64QAM	15MHz	1	37
17.97	18.01	17.94	18.3	64QAM	15MHz	1	74
17.04	17.08	16.97	17.3	64QAM	15MHz	36	0
17.01	17.07	16.96	17.3	64QAM	15MHz	36	19
16.97	17.06	16.91	17.3	64QAM	15MHz	36	39
17.01	17.06	16.91	17.3	64QAM	15MHz	75	0
15.14	15.17	15.07	15.3	256QAM	15MHz	1	0
15.07	15.13	15.03	15.3	256QAM	15MHz	1	37
15.03	15.07	15.00	15.3	256QAM	15MHz	1	74
15.12	15.15	15.05	15.3	256QAM	15MHz	36	0
15.05	15.11	15.01	15.3	256QAM	15MHz	36	19
15.01	15.05	14.98	15.3	256QAM	15MHz	36	39
15.00	15.05	14.95	15.3	256QAM	15MHz	75	0

LTE Band 42							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
43140	43340	43540	Channel				
3555	3575	3595	Freq. (MHz)				
20.13	20.16	20.06	20.3	QPSK	10MHz	1	0
20.06	20.12	20.02	20.3	QPSK	10MHz	1	24
20.02	20.06	19.99	20.3	QPSK	10MHz	1	49
19.09	19.13	19.02	19.3	QPSK	10MHz	25	0
19.06	19.12	19.01	19.3	QPSK	10MHz	25	12
19.02	19.11	18.96	19.3	QPSK	10MHz	25	25
19.06	19.11	18.96	19.3	QPSK	10MHz	50	0
19.11	19.14	19.04	19.3	16QAM	10MHz	1	0
19.04	19.10	19.00	19.3	16QAM	10MHz	1	24
19.00	19.04	18.97	19.3	16QAM	10MHz	1	49
18.07	18.11	18.00	18.3	16QAM	10MHz	25	0
18.04	18.10	17.99	18.3	16QAM	10MHz	25	12
18.00	18.09	17.94	18.3	16QAM	10MHz	25	25
18.04	18.09	17.94	18.3	16QAM	10MHz	50	0
18.05	18.08	17.98	18.3	64QAM	10MHz	1	0
17.98	18.04	17.94	18.3	64QAM	10MHz	1	24
17.94	17.98	17.91	18.3	64QAM	10MHz	1	49
17.01	17.05	16.94	17.3	64QAM	10MHz	25	0
16.98	17.04	16.93	17.3	64QAM	10MHz	25	12
16.94	17.03	16.88	17.3	64QAM	10MHz	25	25
16.98	17.03	16.88	17.3	64QAM	10MHz	50	0
15.11	15.14	15.04	15.3	256QAM	10MHz	1	0
15.04	15.10	15.00	15.3	256QAM	10MHz	1	24
15.00	15.04	14.97	15.3	256QAM	10MHz	1	49
15.09	15.12	15.02	15.3	256QAM	10MHz	25	0
15.02	15.08	14.98	15.3	256QAM	10MHz	25	12
14.98	15.02	14.95	15.3	256QAM	10MHz	25	25
14.97	15.02	14.92	15.3	256QAM	10MHz	50	0

LTE Band 42							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
43115	43340	43565	Channel				
3552.5	3575	3597.5	Freq. (MHz)				
20.11	20.14	20.04	20.3	QPSK	5MHz	1	0
20.04	20.10	20.00	20.3	QPSK	5MHz	1	12
20.00	20.04	19.97	20.3	QPSK	5MHz	1	24
19.07	19.11	19.00	19.3	QPSK	5MHz	12	0
19.04	19.10	18.99	19.3	QPSK	5MHz	12	6
19.00	19.09	18.94	19.3	QPSK	5MHz	12	13
19.04	19.09	18.94	19.3	QPSK	5MHz	25	0
19.09	19.12	19.02	19.3	16QAM	5MHz	1	0
19.02	19.08	18.98	19.3	16QAM	5MHz	1	12
18.98	19.02	18.95	19.3	16QAM	5MHz	1	24
18.05	18.09	17.98	18.3	16QAM	5MHz	12	0
18.02	18.08	17.97	18.3	16QAM	5MHz	12	6
17.98	18.07	17.92	18.3	16QAM	5MHz	12	13
18.02	18.07	17.92	18.3	16QAM	5MHz	25	0
18.03	18.06	17.96	18.3	64QAM	5MHz	1	0
17.96	18.02	17.92	18.3	64QAM	5MHz	1	12
17.92	17.96	17.89	18.3	64QAM	5MHz	1	24
16.99	17.03	16.92	17.3	64QAM	5MHz	12	0
16.96	17.02	16.91	17.3	64QAM	5MHz	12	6
16.92	17.01	16.86	17.3	64QAM	5MHz	12	13
16.96	17.01	16.86	17.3	64QAM	5MHz	25	0
15.09	15.12	15.02	15.3	256QAM	5MHz	1	0
15.02	15.08	14.98	15.3	256QAM	5MHz	1	12
14.98	15.02	14.95	15.3	256QAM	5MHz	1	24
15.07	15.10	15.00	15.3	256QAM	5MHz	12	0
15.00	15.06	14.96	15.3	256QAM	5MHz	12	6
14.96	15.00	14.93	15.3	256QAM	5MHz	12	13
14.95	15.00	14.90	15.3	256QAM	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)				
20.11	20.15	20.06	20.01	20.2	QPSK	20MHz	1	0
20.05	20.11	20.02	19.85	20.2	QPSK	20MHz	1	49
20.02	20.05	19.82	19.77	20.2	QPSK	20MHz	1	99
19.11	19.15	19.03	18.92	19.2	QPSK	20MHz	50	0
19.05	19.10	19.11	19.01	19.2	QPSK	20MHz	50	25
18.90	18.95	18.88	18.74	19.2	QPSK	20MHz	50	50
19.05	19.12	18.92	18.88	19.2	QPSK	20MHz	100	0
19.09	19.13	19.04	18.99	19.2	16QAM	20MHz	1	0
19.03	19.09	19.00	18.83	19.2	16QAM	20MHz	1	49
19.00	19.03	18.80	18.75	19.2	16QAM	20MHz	1	99
18.09	18.13	18.01	17.90	18.2	16QAM	20MHz	50	0
18.03	18.08	18.09	17.99	18.2	16QAM	20MHz	50	25
17.88	17.93	17.86	17.72	18.2	16QAM	20MHz	50	50
18.03	18.10	17.90	17.86	18.2	16QAM	20MHz	100	0
18.07	18.11	18.02	17.97	18.2	64QAM	20MHz	1	0
18.01	18.07	17.98	17.81	18.2	64QAM	20MHz	1	49
17.98	18.01	17.78	17.73	18.2	64QAM	20MHz	1	99
17.07	17.11	16.99	16.88	17.2	64QAM	20MHz	50	0
17.01	17.06	17.07	16.97	17.2	64QAM	20MHz	50	25
16.86	16.91	16.84	16.70	17.2	64QAM	20MHz	50	50
17.01	17.08	16.88	16.84	17.2	64QAM	20MHz	100	0
15.09	15.13	15.04	14.99	15.2	256QAM	20MHz	1	0
15.03	15.09	15.00	14.83	15.2	256QAM	20MHz	1	49
15.00	15.03	14.80	14.75	15.2	256QAM	20MHz	1	99
15.03	15.07	14.98	14.93	15.2	256QAM	20MHz	50	0
14.97	15.03	14.94	14.77	15.2	256QAM	20MHz	50	25
14.94	14.97	14.74	14.69	15.2	256QAM	20MHz	50	50
15.01	15.05	14.96	14.91	15.2	256QAM	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)				
20.08	20.12	20.03	19.98	20.2	QPSK	15MHz	1	0
20.02	20.08	19.99	19.82	20.2	QPSK	15MHz	1	37
19.99	20.02	19.79	19.74	20.2	QPSK	15MHz	1	74
19.08	19.12	19.00	18.89	19.2	QPSK	15MHz	36	0
19.02	19.07	19.08	18.98	19.2	QPSK	15MHz	36	19
18.87	18.92	18.85	18.71	19.2	QPSK	15MHz	36	39
19.02	19.09	18.89	18.85	19.2	QPSK	15MHz	75	0
19.06	19.10	19.01	18.96	19.2	16QAM	15MHz	1	0
19.00	19.06	18.97	18.80	19.2	16QAM	15MHz	1	37
18.97	19.00	18.77	18.72	19.2	16QAM	15MHz	1	74
18.06	18.10	17.98	17.87	18.2	16QAM	15MHz	36	0
18.00	18.05	18.06	17.96	18.2	16QAM	15MHz	36	19
17.85	17.90	17.83	17.69	18.2	16QAM	15MHz	36	39
18.00	18.07	17.87	17.83	18.2	16QAM	15MHz	75	0
18.04	18.08	17.99	17.94	18.2	64QAM	15MHz	1	0
17.98	18.04	17.95	17.78	18.2	64QAM	15MHz	1	37
17.95	17.98	17.75	17.70	18.2	64QAM	15MHz	1	74
17.04	17.08	16.96	16.85	17.2	64QAM	15MHz	36	0
16.98	17.03	17.04	16.94	17.2	64QAM	15MHz	36	19
16.83	16.88	16.81	16.67	17.2	64QAM	15MHz	36	39
16.98	17.05	16.85	16.81	17.2	64QAM	15MHz	75	0
15.06	15.10	15.01	14.96	15.2	256QAM	15MHz	1	0
15.00	15.06	14.97	14.80	15.2	256QAM	15MHz	1	37
14.97	15.00	14.77	14.72	15.2	256QAM	15MHz	1	74
15.00	15.04	14.95	14.90	15.2	256QAM	15MHz	36	0
14.94	15.00	14.91	14.74	15.2	256QAM	15MHz	36	19
14.91	14.94	14.71	14.66	15.2	256QAM	15MHz	36	39
14.98	15.02	14.93	14.88	15.2	256QAM	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)				
20.04	20.08	19.99	19.94	20.2	QPSK	10MHz	1	0
19.98	20.04	19.95	19.78	20.2	QPSK	10MHz	1	24
19.95	19.98	19.75	19.70	20.2	QPSK	10MHz	1	49
19.04	19.08	18.96	18.85	19.2	QPSK	10MHz	25	0
18.98	19.03	19.04	18.94	19.2	QPSK	10MHz	25	12
18.83	18.88	18.81	18.67	19.2	QPSK	10MHz	25	25
18.98	19.05	18.85	18.81	19.2	QPSK	10MHz	50	0
19.02	19.06	18.97	18.92	19.2	16QAM	10MHz	1	0
18.96	19.02	18.93	18.76	19.2	16QAM	10MHz	1	24
18.93	18.96	18.73	18.68	19.2	16QAM	10MHz	1	49
18.02	18.06	17.94	17.83	18.2	16QAM	10MHz	25	0
17.96	18.01	18.02	17.92	18.2	16QAM	10MHz	25	12
17.81	17.86	17.79	17.65	18.2	16QAM	10MHz	25	25
17.96	18.03	17.83	17.79	18.2	16QAM	10MHz	50	0
18.00	18.04	17.95	17.90	18.2	64QAM	10MHz	1	0
17.94	18.00	17.91	17.74	18.2	64QAM	10MHz	1	24
17.91	17.94	17.71	17.66	18.2	64QAM	10MHz	1	49
17.00	17.04	16.92	16.81	17.2	64QAM	10MHz	25	0
16.94	16.99	17.00	16.90	17.2	64QAM	10MHz	25	12
16.79	16.84	16.77	16.63	17.2	64QAM	10MHz	25	25
16.94	17.01	16.81	16.77	17.2	64QAM	10MHz	50	0
15.02	15.06	14.97	14.92	15.2	256QAM	10MHz	1	0
14.96	15.02	14.93	14.76	15.2	256QAM	10MHz	1	24
14.93	14.96	14.73	14.68	15.2	256QAM	10MHz	1	49
14.96	15.00	14.91	14.86	15.2	256QAM	10MHz	25	0
14.90	14.96	14.87	14.70	15.2	256QAM	10MHz	25	12
14.87	14.90	14.67	14.62	15.2	256QAM	10MHz	25	25
14.94	14.98	14.89	14.84	15.2	256QAM	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)				
19.99	20.03	19.94	19.89	20.2	QPSK	5MHz	1	0
19.93	19.99	19.90	19.73	20.2	QPSK	5MHz	1	12
19.90	19.93	19.70	19.65	20.2	QPSK	5MHz	1	24
18.99	19.03	18.91	18.80	19.2	QPSK	5MHz	12	0
18.93	18.98	18.99	18.89	19.2	QPSK	5MHz	12	6
18.78	18.83	18.76	18.62	19.2	QPSK	5MHz	12	13
18.93	19.00	18.80	18.76	19.2	QPSK	5MHz	25	0
18.97	19.01	18.92	18.87	19.2	16QAM	5MHz	1	0
18.91	18.97	18.88	18.71	19.2	16QAM	5MHz	1	12
18.88	18.91	18.68	18.63	19.2	16QAM	5MHz	1	24
17.97	18.01	17.89	17.78	18.2	16QAM	5MHz	12	0
17.91	17.96	17.97	17.87	18.2	16QAM	5MHz	12	6
17.76	17.81	17.74	17.60	18.2	16QAM	5MHz	12	13
17.91	17.98	17.78	17.74	18.2	16QAM	5MHz	25	0
17.95	17.99	17.90	17.85	18.2	64QAM	5MHz	1	0
17.89	17.95	17.86	17.69	18.2	64QAM	5MHz	1	12
17.86	17.89	17.66	17.61	18.2	64QAM	5MHz	1	24
16.95	16.99	16.87	16.76	17.2	64QAM	5MHz	12	0
16.89	16.94	16.95	16.85	17.2	64QAM	5MHz	12	6
16.74	16.79	16.72	16.58	17.2	64QAM	5MHz	12	13
16.89	16.96	16.76	16.72	17.2	64QAM	5MHz	25	0
14.97	15.01	14.92	14.87	15.2	256QAM	5MHz	1	0
14.91	14.97	14.88	14.71	15.2	256QAM	5MHz	1	12
14.88	14.91	14.68	14.63	15.2	256QAM	5MHz	1	24
14.91	14.95	14.86	14.81	15.2	256QAM	5MHz	12	0
14.85	14.91	14.82	14.65	15.2	256QAM	5MHz	12	6
14.82	14.85	14.62	14.57	15.2	256QAM	5MHz	12	13
14.89	14.93	14.84	14.79	15.2	256QAM	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)				
22.51	22.54	22.44	22.6	QPSK	20MHz	1	0
22.48	22.52	22.41	22.6	QPSK	20MHz	1	49
22.45	22.50	22.35	22.6	QPSK	20MHz	1	99
21.48	21.52	21.43	21.6	QPSK	20MHz	50	0
21.45	21.50	21.39	21.6	QPSK	20MHz	50	25
21.41	21.44	21.33	21.6	QPSK	20MHz	50	50
21.43	21.51	21.38	21.6	QPSK	20MHz	100	0
21.49	21.52	21.42	21.6	16QAM	20MHz	1	0
21.46	21.50	21.39	21.6	16QAM	20MHz	1	49
21.43	21.48	21.33	21.6	16QAM	20MHz	1	99
20.46	20.50	20.41	20.6	16QAM	20MHz	50	0
20.43	20.48	20.37	20.6	16QAM	20MHz	50	25
20.39	20.42	20.31	20.6	16QAM	20MHz	50	50
20.41	20.49	20.36	20.6	16QAM	20MHz	100	0
20.44	20.47	20.37	20.6	64QAM	20MHz	1	0
20.41	20.45	20.34	20.6	64QAM	20MHz	1	49
20.38	20.43	20.28	20.6	64QAM	20MHz	1	99
19.41	19.45	19.36	19.6	64QAM	20MHz	50	0
19.38	19.43	19.32	19.6	64QAM	20MHz	50	25
19.34	19.37	19.26	19.6	64QAM	20MHz	50	50
19.36	19.44	19.31	19.6	64QAM	20MHz	100	0
17.49	17.52	17.42	17.6	256QAM	20MHz	1	0
17.46	17.50	17.39	17.6	256QAM	20MHz	1	49
17.43	17.48	17.33	17.6	256QAM	20MHz	1	99
17.46	17.49	17.39	17.6	256QAM	20MHz	50	0
17.43	17.47	17.36	17.6	256QAM	20MHz	50	25
17.40	17.45	17.30	17.6	256QAM	20MHz	50	50
17.35	17.33	17.25	17.6	256QAM	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)				
22.45	22.48	22.38	22.6	QPSK	15MHz	1	0
22.42	22.46	22.35	22.6	QPSK	15MHz	1	37
22.39	22.44	22.29	22.6	QPSK	15MHz	1	74
21.42	21.46	21.37	21.6	QPSK	15MHz	36	0
21.39	21.44	21.33	21.6	QPSK	15MHz	36	19
21.35	21.38	21.27	21.6	QPSK	15MHz	36	39
21.37	21.45	21.32	21.6	QPSK	15MHz	75	0
21.43	21.46	21.36	21.6	16QAM	15MHz	1	0
21.40	21.44	21.33	21.6	16QAM	15MHz	1	37
21.37	21.42	21.27	21.6	16QAM	15MHz	1	74
20.40	20.44	20.35	20.6	16QAM	15MHz	36	0
20.37	20.42	20.31	20.6	16QAM	15MHz	36	19
20.33	20.36	20.25	20.6	16QAM	15MHz	36	39
20.35	20.43	20.30	20.6	16QAM	15MHz	75	0
20.38	20.41	20.31	20.6	64QAM	15MHz	1	0
20.35	20.39	20.28	20.6	64QAM	15MHz	1	37
20.32	20.37	20.22	20.6	64QAM	15MHz	1	74
19.35	19.39	19.30	19.6	64QAM	15MHz	36	0
19.32	19.37	19.26	19.6	64QAM	15MHz	36	19
19.28	19.31	19.20	19.6	64QAM	15MHz	36	39
19.30	19.38	19.25	19.6	64QAM	15MHz	75	0
17.43	17.46	17.36	17.6	256QAM	15MHz	1	0
17.40	17.44	17.33	17.6	256QAM	15MHz	1	37
17.37	17.42	17.27	17.6	256QAM	15MHz	1	74
17.40	17.43	17.33	17.6	256QAM	15MHz	36	0
17.37	17.41	17.30	17.6	256QAM	15MHz	36	19
17.34	17.39	17.24	17.6	256QAM	15MHz	36	39
17.29	17.27	17.19	17.6	256QAM	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)				
22.41	22.44	22.34	22.6	QPSK	10MHz	1	0
22.38	22.42	22.31	22.6	QPSK	10MHz	1	24
22.35	22.40	22.25	22.6	QPSK	10MHz	1	49
21.38	21.42	21.33	21.6	QPSK	10MHz	25	0
21.35	21.40	21.29	21.6	QPSK	10MHz	25	12
21.31	21.34	21.23	21.6	QPSK	10MHz	25	25
21.33	21.41	21.28	21.6	QPSK	10MHz	50	0
21.39	21.42	21.32	21.6	16QAM	10MHz	1	0
21.36	21.40	21.29	21.6	16QAM	10MHz	1	24
21.33	21.38	21.23	21.6	16QAM	10MHz	1	49
20.36	20.40	20.31	20.6	16QAM	10MHz	25	0
20.33	20.38	20.27	20.6	16QAM	10MHz	25	12
20.29	20.32	20.21	20.6	16QAM	10MHz	25	25
20.31	20.39	20.26	20.6	16QAM	10MHz	50	0
20.34	20.37	20.27	20.6	64QAM	10MHz	1	0
20.31	20.35	20.24	20.6	64QAM	10MHz	1	24
20.28	20.33	20.18	20.6	64QAM	10MHz	1	49
19.31	19.35	19.26	19.6	64QAM	10MHz	25	0
19.28	19.33	19.22	19.6	64QAM	10MHz	25	12
19.24	19.27	19.16	19.6	64QAM	10MHz	25	25
19.26	19.34	19.21	19.6	64QAM	10MHz	50	0
17.39	17.42	17.32	17.6	256QAM	10MHz	1	0
17.36	17.40	17.29	17.6	256QAM	10MHz	1	24
17.33	17.38	17.23	17.6	256QAM	10MHz	1	49
17.36	17.39	17.29	17.6	256QAM	10MHz	25	0
17.33	17.37	17.26	17.6	256QAM	10MHz	25	12
17.30	17.35	17.20	17.6	256QAM	10MHz	25	25
17.25	17.23	17.15	17.6	256QAM	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)				
22.37	22.40	22.30	22.6	QPSK	5MHz	1	0
22.34	22.38	22.27	22.6	QPSK	5MHz	1	12
22.31	22.36	22.21	22.6	QPSK	5MHz	1	24
21.34	21.38	21.29	21.6	QPSK	5MHz	12	0
21.31	21.36	21.25	21.6	QPSK	5MHz	12	6
21.27	21.30	21.19	21.6	QPSK	5MHz	12	13
21.29	21.37	21.24	21.6	QPSK	5MHz	25	0
21.35	21.38	21.28	21.6	16QAM	5MHz	1	0
21.32	21.36	21.25	21.6	16QAM	5MHz	1	12
21.29	21.34	21.19	21.6	16QAM	5MHz	1	24
20.32	20.36	20.27	20.6	16QAM	5MHz	12	0
20.29	20.34	20.23	20.6	16QAM	5MHz	12	6
20.25	20.28	20.17	20.6	16QAM	5MHz	12	13
20.27	20.35	20.22	20.6	16QAM	5MHz	25	0
20.30	20.33	20.23	20.6	64QAM	5MHz	1	0
20.27	20.31	20.20	20.6	64QAM	5MHz	1	12
20.24	20.29	20.14	20.6	64QAM	5MHz	1	24
19.27	19.31	19.22	19.6	64QAM	5MHz	12	0
19.24	19.29	19.18	19.6	64QAM	5MHz	12	6
19.20	19.23	19.12	19.6	64QAM	5MHz	12	13
19.22	19.30	19.17	19.6	64QAM	5MHz	25	0
17.35	17.38	17.28	17.6	256QAM	5MHz	1	0
17.32	17.36	17.25	17.6	256QAM	5MHz	1	12
17.29	17.34	17.19	17.6	256QAM	5MHz	1	24
17.32	17.35	17.25	17.6	256QAM	5MHz	12	0
17.29	17.33	17.22	17.6	256QAM	5MHz	12	6
17.26	17.31	17.16	17.6	256QAM	5MHz	12	13
17.21	17.19	17.11	17.6	256QAM	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)				
22.31	22.34	22.24	22.6	QPSK	3MHz	1	0
22.28	22.32	22.21	22.6	QPSK	3MHz	1	7
22.25	22.30	22.15	22.6	QPSK	3MHz	1	14
21.28	21.32	21.23	21.6	QPSK	3MHz	8	0
21.25	21.30	21.19	21.6	QPSK	3MHz	8	3
21.21	21.24	21.13	21.6	QPSK	3MHz	8	7
21.23	21.31	21.18	21.6	QPSK	3MHz	15	0
21.29	21.32	21.22	21.6	16QAM	3MHz	1	0
21.26	21.30	21.19	21.6	16QAM	3MHz	1	7
21.23	21.28	21.13	21.6	16QAM	3MHz	1	14
20.26	20.30	20.21	20.6	16QAM	3MHz	8	0
20.23	20.28	20.17	20.6	16QAM	3MHz	8	3
20.19	20.22	20.11	20.6	16QAM	3MHz	8	7
20.21	20.29	20.16	20.6	16QAM	3MHz	15	0
20.24	20.27	20.17	20.6	64QAM	3MHz	1	0
20.21	20.25	20.14	20.6	64QAM	3MHz	1	7
20.18	20.23	20.08	20.6	64QAM	3MHz	1	14
19.21	19.25	19.16	19.6	64QAM	3MHz	8	0
19.18	19.23	19.12	19.6	64QAM	3MHz	8	3
19.14	19.17	19.06	19.6	64QAM	3MHz	8	7
19.16	19.24	19.11	19.6	64QAM	3MHz	15	0
17.29	17.32	17.22	17.6	256QAM	3MHz	1	0
17.26	17.30	17.19	17.6	256QAM	3MHz	1	7
17.23	17.28	17.13	17.6	256QAM	3MHz	1	14
17.26	17.29	17.19	17.6	256QAM	3MHz	8	0
17.23	17.27	17.16	17.6	256QAM	3MHz	8	3
17.20	17.25	17.10	17.6	256QAM	3MHz	8	7
17.15	17.13	17.05	17.6	256QAM	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)				
22.28	22.31	22.21	22.6	QPSK	1.4MHz	1	0
22.25	22.29	22.18	22.6	QPSK	1.4MHz	1	2
22.22	22.27	22.12	22.6	QPSK	1.4MHz	1	5
21.25	21.29	21.20	22.6	QPSK	1.4MHz	3	0
21.22	21.27	21.16	22.6	QPSK	1.4MHz	3	1
21.18	21.21	21.10	22.6	QPSK	1.4MHz	3	3
21.20	21.28	21.15	21.6	QPSK	1.4MHz	6	0
21.26	21.29	21.19	21.6	16QAM	1.4MHz	1	0
21.23	21.27	21.16	21.6	16QAM	1.4MHz	1	2
21.20	21.25	21.10	21.6	16QAM	1.4MHz	1	5
20.23	20.27	20.18	21.6	16QAM	1.4MHz	3	0
20.20	20.25	20.14	21.6	16QAM	1.4MHz	3	1
20.16	20.19	20.08	21.6	16QAM	1.4MHz	3	3
20.18	20.26	20.13	20.6	16QAM	1.4MHz	6	0
20.21	20.24	20.14	20.6	64QAM	1.4MHz	1	0
20.18	20.22	20.11	20.6	64QAM	1.4MHz	1	2
20.15	20.20	20.05	20.6	64QAM	1.4MHz	1	5
19.18	19.22	19.13	20.6	64QAM	1.4MHz	3	0
19.15	19.20	19.09	20.6	64QAM	1.4MHz	3	1
19.11	19.14	19.03	20.6	64QAM	1.4MHz	3	3
19.13	19.21	19.08	19.6	64QAM	1.4MHz	6	0
17.26	17.29	17.19	17.6	256QAM	1.4MHz	1	0
17.23	17.27	17.16	17.6	256QAM	1.4MHz	1	2
17.20	17.25	17.10	17.6	256QAM	1.4MHz	1	5
17.23	17.26	17.16	17.6	256QAM	1.4MHz	3	0
17.20	17.24	17.13	17.6	256QAM	1.4MHz	3	1
17.17	17.22	17.07	17.6	256QAM	1.4MHz	3	3
17.12	17.10	17.02	17.6	256QAM	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)				
24.11	24.15	24.05	24.2	QPSK	20MHz	1	0
23.98	24.12	23.92	24.2	QPSK	20MHz	1	49
23.92	24.10	23.88	24.2	QPSK	20MHz	1	99
23.05	23.11	23.01	23.2	QPSK	20MHz	50	0
22.95	23.10	22.91	23.2	QPSK	20MHz	50	25
22.90	23.05	22.81	23.2	QPSK	20MHz	50	50
22.95	23.06	22.91	23.2	QPSK	20MHz	100	0
23.09	23.13	23.03	23.2	16QAM	20MHz	1	0
22.96	23.10	22.90	23.2	16QAM	20MHz	1	49
22.90	23.08	22.86	23.2	16QAM	20MHz	1	99
22.03	22.09	21.99	22.2	16QAM	20MHz	50	0
21.93	22.08	21.89	22.2	16QAM	20MHz	50	25
21.88	22.03	21.79	22.2	16QAM	20MHz	50	50
21.93	22.04	21.89	22.2	16QAM	20MHz	100	0
22.06	22.10	22.00	22.2	64QAM	20MHz	1	0
21.93	22.07	21.87	22.2	64QAM	20MHz	1	49
21.87	22.05	21.83	22.2	64QAM	20MHz	1	99
21.00	21.06	20.96	21.2	64QAM	20MHz	50	0
20.90	21.05	20.86	21.2	64QAM	20MHz	50	25
20.85	21.00	20.76	21.2	64QAM	20MHz	50	50
20.90	21.01	20.86	21.2	64QAM	20MHz	100	0
19.07	19.11	19.01	19.2	256QAM	20MHz	1	0
18.94	19.08	18.88	19.2	256QAM	20MHz	1	49
18.88	19.06	18.84	19.2	256QAM	20MHz	1	99
19.05	19.09	18.99	19.2	256QAM	20MHz	50	0
18.92	19.06	18.86	19.2	256QAM	20MHz	50	25
18.86	19.04	18.82	19.2	256QAM	20MHz	50	50
19.01	19.05	18.95	19.2	256QAM	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)				
24.05	24.09	23.99	24.2	QPSK	15MHz	1	0
23.92	24.06	23.86	24.2	QPSK	15MHz	1	37
23.86	24.04	23.82	24.2	QPSK	15MHz	1	74
22.99	23.05	22.95	23.2	QPSK	15MHz	36	0
22.89	23.04	22.85	23.2	QPSK	15MHz	36	19
22.84	22.99	22.75	23.2	QPSK	15MHz	36	39
22.89	23.00	22.85	23.2	QPSK	15MHz	75	0
23.03	23.07	22.97	23.2	16QAM	15MHz	1	0
22.90	23.04	22.84	23.2	16QAM	15MHz	1	37
22.84	23.02	22.80	23.2	16QAM	15MHz	1	74
21.97	22.03	21.93	22.2	16QAM	15MHz	36	0
21.87	22.02	21.83	22.2	16QAM	15MHz	36	19
21.82	21.97	21.73	22.2	16QAM	15MHz	36	39
21.87	21.98	21.83	22.2	16QAM	15MHz	75	0
22.00	22.04	21.94	22.2	64QAM	15MHz	1	0
21.87	22.01	21.81	22.2	64QAM	15MHz	1	37
21.81	21.99	21.77	22.2	64QAM	15MHz	1	74
20.94	21.00	20.90	21.2	64QAM	15MHz	36	0
20.84	20.99	20.80	21.2	64QAM	15MHz	36	19
20.79	20.94	20.70	21.2	64QAM	15MHz	36	39
20.84	20.95	20.80	21.2	64QAM	15MHz	75	0
19.01	19.05	18.95	19.2	256QAM	15MHz	1	0
18.88	19.02	18.82	19.2	256QAM	15MHz	1	37
18.82	19.00	18.78	19.2	256QAM	15MHz	1	74
18.99	19.03	18.93	19.2	256QAM	15MHz	36	0
18.86	19.00	18.80	19.2	256QAM	15MHz	36	19
18.80	18.98	18.76	19.2	256QAM	15MHz	36	39
18.95	18.99	18.89	19.2	256QAM	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)				
24.03	24.07	23.97	24.2	QPSK	10MHz	1	0
23.90	24.04	23.84	24.2	QPSK	10MHz	1	24
23.84	24.02	23.80	24.2	QPSK	10MHz	1	49
22.97	23.03	22.93	23.2	QPSK	10MHz	25	0
22.87	23.02	22.83	23.2	QPSK	10MHz	25	12
22.82	22.97	22.73	23.2	QPSK	10MHz	25	25
22.87	22.98	22.83	23.2	QPSK	10MHz	50	0
23.01	23.05	22.95	23.2	16QAM	10MHz	1	0
22.88	23.02	22.82	23.2	16QAM	10MHz	1	24
22.82	23.00	22.78	23.2	16QAM	10MHz	1	49
21.95	22.01	21.91	22.2	16QAM	10MHz	25	0
21.85	22.00	21.81	22.2	16QAM	10MHz	25	12
21.80	21.95	21.71	22.2	16QAM	10MHz	25	25
21.85	21.96	21.81	22.2	16QAM	10MHz	50	0
21.98	22.02	21.92	22.2	64QAM	10MHz	1	0
21.85	21.99	21.79	22.2	64QAM	10MHz	1	24
21.79	21.97	21.75	22.2	64QAM	10MHz	1	49
20.92	20.98	20.88	21.2	64QAM	10MHz	25	0
20.82	20.97	20.78	21.2	64QAM	10MHz	25	12
20.77	20.92	20.68	21.2	64QAM	10MHz	25	25
20.82	20.93	20.78	21.2	64QAM	10MHz	50	0
18.99	19.03	18.93	19.2	256QAM	10MHz	1	0
18.86	19.00	18.80	19.2	256QAM	10MHz	1	24
18.80	18.98	18.76	19.2	256QAM	10MHz	1	49
18.97	19.01	18.91	19.2	256QAM	10MHz	25	0
18.84	18.98	18.78	19.2	256QAM	10MHz	25	12
18.78	18.96	18.74	19.2	256QAM	10MHz	25	25
18.93	18.97	18.87	19.2	256QAM	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)				
23.99	24.03	23.93	24.2	QPSK	5MHz	1	0
23.86	24.00	23.80	24.2	QPSK	5MHz	1	12
23.80	23.98	23.76	24.2	QPSK	5MHz	1	24
22.93	22.99	22.89	23.2	QPSK	5MHz	12	0
22.83	22.98	22.79	23.2	QPSK	5MHz	12	6
22.78	22.93	22.69	23.2	QPSK	5MHz	12	13
22.83	22.94	22.79	23.2	QPSK	5MHz	25	0
22.97	23.01	22.91	23.2	16QAM	5MHz	1	0
22.84	22.98	22.78	23.2	16QAM	5MHz	1	12
22.78	22.96	22.74	23.2	16QAM	5MHz	1	24
21.91	21.97	21.87	22.2	16QAM	5MHz	12	0
21.81	21.96	21.77	22.2	16QAM	5MHz	12	6
21.76	21.91	21.67	22.2	16QAM	5MHz	12	13
21.81	21.92	21.77	22.2	16QAM	5MHz	25	0
21.94	21.98	21.88	22.2	64QAM	5MHz	1	0
21.81	21.95	21.75	22.2	64QAM	5MHz	1	12
21.75	21.93	21.71	22.2	64QAM	5MHz	1	24
20.88	20.94	20.84	21.2	64QAM	5MHz	12	0
20.78	20.93	20.74	21.2	64QAM	5MHz	12	6
20.73	20.88	20.64	21.2	64QAM	5MHz	12	13
20.78	20.89	20.74	21.2	64QAM	5MHz	25	0
18.95	18.99	18.89	19.2	256QAM	5MHz	1	0
18.82	18.96	18.76	19.2	256QAM	5MHz	1	12
18.76	18.94	18.72	19.2	256QAM	5MHz	1	24
18.93	18.97	18.87	19.2	256QAM	5MHz	12	0
18.80	18.94	18.74	19.2	256QAM	5MHz	12	6
18.74	18.92	18.70	19.2	256QAM	5MHz	12	13
18.89	18.93	18.83	19.2	256QAM	5MHz	25	0

NR Band n2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
372000	376000	380000	Channel				
1860	1880	1900	Freq. (MHz)				
19.40	19.42	19.39	19.5	DFT-S $\pi/2$ BPSK	20MHz	1	1
19.31	19.40	19.29	19.5	DFT-S $\pi/2$ BPSK	20MHz	1	53
19.29	19.38	19.20	19.5	DFT-S $\pi/2$ BPSK	20MHz	1	104
17.90	17.96	17.87	19	DFT-S $\pi/2$ BPSK	20MHz	50	0
19.33	19.41	19.35	19.5	DFT-S $\pi/2$ BPSK	20MHz	50	28
17.89	17.93	17.79	19	DFT-S $\pi/2$ BPSK	20MHz	50	56
17.82	17.89	17.79	19	DFT-S $\pi/2$ BPSK	20MHz	100	0
19.42	19.44	19.41	19.5	DFT-S QPSK	20MHz	1	1
19.33	19.42	19.31	19.5	DFT-S QPSK	20MHz	1	53
19.31	19.40	19.22	19.5	DFT-S QPSK	20MHz	1	104
18.42	18.48	18.39	18.5	DFT-S QPSK	20MHz	50	0
19.39	19.41	19.33	19.5	DFT-S QPSK	20MHz	50	28
18.41	18.45	18.31	18.5	DFT-S QPSK	20MHz	50	56
18.34	18.41	18.31	18.5	DFT-S QPSK	20MHz	100	0
18.24	18.35	18.20	18.5	DFT-S 16QAM	20MHz	1	1
16.91	16.93	16.90	17	DFT-S 64QAM	20MHz	1	1
14.90	14.92	14.89	15	DFT-S 256QAM	20MHz	1	1
17.89	17.91	17.88	18	CP QPSK	20MHz	1	1

NR Band n2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
371500	376000	380500	Channel				
1857.5	1880	1902.5	Freq. (MHz)				
19.37	19.39	19.36	19.5	DFT-S $\pi/2$ BPSK	15MHz	1	1
19.28	19.37	19.26	19.5	DFT-S $\pi/2$ BPSK	15MHz	1	40
19.26	19.35	19.17	19.5	DFT-S $\pi/2$ BPSK	15MHz	1	77
17.87	17.93	17.84	19	DFT-S $\pi/2$ BPSK	15MHz	36	0
19.30	19.38	19.32	19.5	DFT-S $\pi/2$ BPSK	15MHz	36	22
17.86	17.90	17.76	19	DFT-S $\pi/2$ BPSK	15MHz	36	43
17.79	17.86	17.76	19	DFT-S $\pi/2$ BPSK	15MHz	75	0
19.39	19.41	19.38	19.5	DFT-S QPSK	15MHz	1	1
19.30	19.39	19.28	19.5	DFT-S QPSK	15MHz	1	40
19.28	19.37	19.19	19.5	DFT-S QPSK	15MHz	1	77
18.39	18.45	18.36	18.5	DFT-S QPSK	15MHz	36	0
19.36	19.38	19.30	19.5	DFT-S QPSK	15MHz	36	22
18.38	18.42	18.28	18.5	DFT-S QPSK	15MHz	36	43
18.31	18.38	18.28	18.5	DFT-S QPSK	15MHz	75	0
18.21	18.32	18.17	18.5	DFT-S 16QAM	15MHz	1	1
16.88	16.90	16.87	17	DFT-S 64QAM	15MHz	1	1
14.87	14.89	14.86	15	DFT-S 256QAM	15MHz	1	1
17.86	17.88	17.85	18	CP QPSK	15MHz	1	1

NR Band n2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
371000	376000	381000	Channel				
1855	1880	1905	Freq. (MHz)				
19.32	19.34	19.31	19.5	DFT-S $\pi/2$ BPSK	10MHz	1	1
19.23	19.32	19.21	19.5	DFT-S $\pi/2$ BPSK	10MHz	1	26
19.21	19.30	19.12	19.5	DFT-S $\pi/2$ BPSK	10MHz	1	50
17.82	17.88	17.79	19	DFT-S $\pi/2$ BPSK	10MHz	25	0
19.25	19.33	19.27	19.5	DFT-S $\pi/2$ BPSK	10MHz	25	14
17.81	17.85	17.71	19	DFT-S $\pi/2$ BPSK	10MHz	25	27
17.74	17.81	17.71	19	DFT-S $\pi/2$ BPSK	10MHz	50	0
19.34	19.36	19.33	19.5	DFT-S QPSK	10MHz	1	1
19.25	19.34	19.23	19.5	DFT-S QPSK	10MHz	1	26
19.23	19.32	19.14	19.5	DFT-S QPSK	10MHz	1	50
18.34	18.40	18.31	18.5	DFT-S QPSK	10MHz	25	0
19.31	19.33	19.25	19.5	DFT-S QPSK	10MHz	25	14
18.33	18.37	18.23	18.5	DFT-S QPSK	10MHz	25	27
18.26	18.33	18.23	18.5	DFT-S QPSK	10MHz	50	0
18.16	18.27	18.12	18.5	DFT-S 16QAM	10MHz	1	1
16.83	16.85	16.82	17	DFT-S 64QAM	10MHz	1	1
14.82	14.84	14.81	15	DFT-S 256QAM	10MHz	1	1
17.81	17.83	17.80	18	CP QPSK	10MHz	1	1

NR Band n2							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
370500	376000	381500	Channel				
1852.5	1880	1907.5	Freq. (MHz)				
19.28	19.30	19.27	19.5	DFT-S $\pi/2$ BPSK	5MHz	1	1
19.19	19.28	19.17	19.5	DFT-S $\pi/2$ BPSK	5MHz	1	13
19.17	19.26	19.08	19.5	DFT-S $\pi/2$ BPSK	5MHz	1	23
17.78	17.84	17.75	19	DFT-S $\pi/2$ BPSK	5MHz	12	0
19.21	19.29	19.23	19.5	DFT-S $\pi/2$ BPSK	5MHz	12	7
17.77	17.81	17.67	19	DFT-S $\pi/2$ BPSK	5MHz	12	13
17.70	17.77	17.67	19	DFT-S $\pi/2$ BPSK	5MHz	25	0
19.30	19.32	19.29	19.5	DFT-S QPSK	5MHz	1	1
19.21	19.30	19.19	19.5	DFT-S QPSK	5MHz	1	13
19.19	19.28	19.10	19.5	DFT-S QPSK	5MHz	1	23
18.30	18.36	18.27	18.5	DFT-S QPSK	5MHz	12	0
19.27	19.29	19.21	19.5	DFT-S QPSK	5MHz	12	7
18.29	18.33	18.19	18.5	DFT-S QPSK	5MHz	12	13
18.22	18.29	18.19	18.5	DFT-S QPSK	5MHz	25	0
18.12	18.23	18.08	18.5	DFT-S 16QAM	5MHz	1	1
16.79	16.81	16.78	17	DFT-S 64QAM	5MHz	1	1
14.78	14.80	14.77	15	DFT-S 256QAM	5MHz	1	1
17.77	17.79	17.76	18	CP QPSK	5MHz	1	1

NR Band n5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
166800	167300	167800	Channel				
834	836.5	839	Freq. (MHz)				
21.05	21.09	21.00	21.2	DFT-S $\pi/2$ BPSK	20MHz	1	1
20.99	21.05	20.94	21.2	DFT-S $\pi/2$ BPSK	20MHz	1	53
20.89	21.03	20.87	21.2	DFT-S $\pi/2$ BPSK	20MHz	1	104
20.53	20.57	20.48	20.7	DFT-S $\pi/2$ BPSK	20MHz	50	0
21.02	21.06	20.97	21.2	DFT-S $\pi/2$ BPSK	20MHz	50	28
20.49	20.53	20.44	20.7	DFT-S $\pi/2$ BPSK	20MHz	50	56
20.46	20.50	20.40	20.7	DFT-S $\pi/2$ BPSK	20MHz	100	0
21.11	21.15	21.06	21.2	DFT-S QPSK	20MHz	1	1
21.05	21.11	21.00	21.2	DFT-S QPSK	20MHz	1	53
20.95	21.09	20.93	21.2	DFT-S QPSK	20MHz	1	104
20.03	20.06	19.95	20.2	DFT-S QPSK	20MHz	50	0
21.06	21.10	21.02	21.2	DFT-S QPSK	20MHz	50	28
20.00	20.04	19.96	20.2	DFT-S QPSK	20MHz	50	56
20.01	20.03	19.95	20.2	DFT-S QPSK	20MHz	100	0
19.98	20.01	19.92	20.2	DFT-S 16QAM	20MHz	1	1
18.60	18.64	18.55	18.7	DFT-S 64QAM	20MHz	1	1
16.58	16.62	16.53	16.7	DFT-S 256QAM	20MHz	1	1
19.55	19.59	19.50	19.7	CP QPSK	20MHz	1	1

NR Band n5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
166300	167300	168300	Channel				
831.5	836.5	841.5	Freq. (MHz)				
21.00	21.04	20.95	21.2	DFT-S $\pi/2$ BPSK	15MHz	1	1
20.94	21.00	20.89	21.2	DFT-S $\pi/2$ BPSK	15MHz	1	40
20.84	20.98	20.82	21.2	DFT-S $\pi/2$ BPSK	15MHz	1	77
20.48	20.52	20.43	20.7	DFT-S $\pi/2$ BPSK	15MHz	36	0
20.97	21.01	20.92	21.2	DFT-S $\pi/2$ BPSK	15MHz	36	22
20.44	20.48	20.39	20.7	DFT-S $\pi/2$ BPSK	15MHz	36	43
20.41	20.45	20.35	20.7	DFT-S $\pi/2$ BPSK	15MHz	75	0
21.06	21.10	21.01	21.2	DFT-S QPSK	15MHz	1	1
21.00	21.06	20.95	21.2	DFT-S QPSK	15MHz	1	40
20.90	21.04	20.88	21.2	DFT-S QPSK	15MHz	1	77
19.98	20.01	19.90	20.2	DFT-S QPSK	15MHz	36	0
21.01	21.05	20.97	21.2	DFT-S QPSK	15MHz	36	22
19.95	19.99	19.91	20.2	DFT-S QPSK	15MHz	36	43
19.96	19.98	19.90	20.2	DFT-S QPSK	15MHz	75	0
19.93	19.96	19.87	20.2	DFT-S 16QAM	15MHz	1	1
18.55	18.59	18.50	18.7	DFT-S 64QAM	15MHz	1	1
16.53	16.57	16.48	16.7	DFT-S 256QAM	15MHz	1	1
19.50	19.54	19.45	19.7	CP QPSK	15MHz	1	1

NR Band n5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
165800	167300	168800	Channel				
829	836.5	844	Freq. (MHz)				
20.95	20.99	20.90	21.2	DFT-S $\pi/2$ BPSK	10MHz	1	1
20.89	20.95	20.84	21.2	DFT-S $\pi/2$ BPSK	10MHz	1	26
20.79	20.93	20.77	21.2	DFT-S $\pi/2$ BPSK	10MHz	1	50
20.43	20.47	20.38	20.7	DFT-S $\pi/2$ BPSK	10MHz	25	0
20.92	20.96	20.87	21.2	DFT-S $\pi/2$ BPSK	10MHz	25	14
20.39	20.43	20.34	20.7	DFT-S $\pi/2$ BPSK	10MHz	25	27
20.36	20.40	20.30	20.7	DFT-S $\pi/2$ BPSK	10MHz	50	0
21.01	21.05	20.96	21.2	DFT-S QPSK	10MHz	1	1
20.95	21.01	20.90	21.2	DFT-S QPSK	10MHz	1	26
20.85	20.99	20.83	21.2	DFT-S QPSK	10MHz	1	50
19.93	19.96	19.85	20.2	DFT-S QPSK	10MHz	25	0
20.96	21.00	20.92	21.2	DFT-S QPSK	10MHz	25	14
19.90	19.94	19.86	20.2	DFT-S QPSK	10MHz	25	27
19.91	19.93	19.85	20.2	DFT-S QPSK	10MHz	50	0
19.88	19.91	19.82	20.2	DFT-S 16QAM	10MHz	1	1
18.50	18.54	18.45	18.7	DFT-S 64QAM	10MHz	1	1
16.48	16.52	16.43	16.7	DFT-S 256QAM	10MHz	1	1
19.45	19.49	19.40	19.7	CP QPSK	10MHz	1	1

NR Band n5							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
165300	167300	169300	Channel				
826.5	836.5	846.5	Freq. (MHz)				
20.92	20.96	20.87	21.2	DFT-S $\pi/2$ BPSK	5MHz	1	1
20.86	20.92	20.81	21.2	DFT-S $\pi/2$ BPSK	5MHz	1	13
20.76	20.90	20.74	21.2	DFT-S $\pi/2$ BPSK	5MHz	1	23
20.40	20.44	20.35	20.7	DFT-S $\pi/2$ BPSK	5MHz	12	0
20.89	20.93	20.84	21.2	DFT-S $\pi/2$ BPSK	5MHz	12	7
20.36	20.40	20.31	20.7	DFT-S $\pi/2$ BPSK	5MHz	12	13
20.33	20.37	20.27	20.7	DFT-S $\pi/2$ BPSK	5MHz	25	0
20.98	21.02	20.93	21.2	DFT-S QPSK	5MHz	1	1
20.92	20.98	20.87	21.2	DFT-S QPSK	5MHz	1	13
20.82	20.96	20.80	21.2	DFT-S QPSK	5MHz	1	23
19.90	19.93	19.82	20.2	DFT-S QPSK	5MHz	12	0
20.93	20.97	20.89	21.2	DFT-S QPSK	5MHz	12	7
19.87	19.91	19.83	20.2	DFT-S QPSK	5MHz	12	13
19.88	19.90	19.82	20.2	DFT-S QPSK	5MHz	25	0
19.85	19.88	19.79	20.2	DFT-S 16QAM	5MHz	1	1
18.47	18.51	18.42	18.7	DFT-S 64QAM	5MHz	1	1
16.45	16.49	16.40	16.7	DFT-S 256QAM	5MHz	1	1
19.42	19.46	19.37	19.7	CP QPSK	5MHz	1	1

NR Band n66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
346000	349000	352000	Channel				
1730	1745	1760	Freq. (MHz)				
22.29	22.33	22.23	22.4	DFT-S $\pi/2$ BPSK	40MHz	1	1
22.23	22.30	22.19	22.4	DFT-S $\pi/2$ BPSK	40MHz	1	108
22.19	22.23	22.18	22.4	DFT-S $\pi/2$ BPSK	40MHz	1	214
21.77	21.81	21.71	21.9	DFT-S $\pi/2$ BPSK	40MHz	108	0
22.27	22.31	22.21	22.4	DFT-S $\pi/2$ BPSK	40MHz	108	54
21.74	21.78	21.68	21.9	DFT-S $\pi/2$ BPSK	40MHz	108	108
21.70	21.71	21.64	21.9	DFT-S $\pi/2$ BPSK	40MHz	216	0
22.31	22.35	22.25	22.4	DFT-S QPSK	40MHz	1	1
22.25	22.32	22.21	22.4	DFT-S QPSK	40MHz	1	108
22.21	22.25	22.20	22.4	DFT-S QPSK	40MHz	1	214
21.31	21.39	21.29	21.4	DFT-S QPSK	40MHz	108	0
22.25	22.31	22.21	22.4	DFT-S QPSK	40MHz	108	54
21.25	21.35	21.24	21.4	DFT-S QPSK	40MHz	108	108
21.24	21.33	21.20	21.4	DFT-S QPSK	40MHz	216	0
21.20	21.25	21.15	21.4	DFT-S 16QAM	40MHz	1	1
19.75	19.79	19.69	19.9	DFT-S 64QAM	40MHz	1	1
17.79	17.83	17.73	17.9	DFT-S 256QAM	40MHz	1	1
20.80	20.84	20.74	20.9	CP QPSK	40MHz	1	1

NR Band n66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
345000	349000	353000	Channel				
1725	1745	1765	Freq. (MHz)				
22.23	22.27	22.17	22.4	DFT-S $\pi/2$ BPSK	30MHz	1	1
22.17	22.24	22.13	22.4	DFT-S $\pi/2$ BPSK	30MHz	1	80
22.13	22.17	22.12	22.4	DFT-S $\pi/2$ BPSK	30MHz	1	158
21.71	21.75	21.65	21.9	DFT-S $\pi/2$ BPSK	30MHz	80	0
22.21	22.25	22.15	22.4	DFT-S $\pi/2$ BPSK	30MHz	80	40
21.68	21.72	21.62	21.9	DFT-S $\pi/2$ BPSK	30MHz	80	80
21.64	21.65	21.58	21.9	DFT-S $\pi/2$ BPSK	30MHz	160	0
22.25	22.29	22.19	22.4	DFT-S QPSK	30MHz	1	1
22.19	22.26	22.15	22.4	DFT-S QPSK	30MHz	1	80
22.15	22.19	22.14	22.4	DFT-S QPSK	30MHz	1	158
21.25	21.33	21.23	21.4	DFT-S QPSK	30MHz	80	0
22.19	22.25	22.15	22.4	DFT-S QPSK	30MHz	80	40
21.19	21.29	21.18	21.4	DFT-S QPSK	30MHz	80	80
21.18	21.27	21.14	21.4	DFT-S QPSK	30MHz	160	0
21.14	21.19	21.09	21.4	DFT-S 16QAM	30MHz	1	1
19.69	19.73	19.63	19.9	DFT-S 64QAM	30MHz	1	1
17.73	17.77	17.67	17.9	DFT-S 256QAM	30MHz	1	1
20.74	20.78	20.68	20.9	CP QPSK	30MHz	1	1

NR Band n66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
344500	349000	353500	Channel				
1722.5	1745	1767.5	Freq. (MHz)				
22.21	22.25	22.15	22.4	DFT-S $\pi/2$ BPSK	25MHz	1	1
22.15	22.22	22.11	22.4	DFT-S $\pi/2$ BPSK	25MHz	1	67
22.11	22.15	22.10	22.4	DFT-S $\pi/2$ BPSK	25MHz	1	131
21.69	21.73	21.63	21.9	DFT-S $\pi/2$ BPSK	25MHz	64	0
22.19	22.23	22.13	22.4	DFT-S $\pi/2$ BPSK	25MHz	64	35
21.66	21.70	21.60	21.9	DFT-S $\pi/2$ BPSK	25MHz	64	69
21.62	21.63	21.56	21.9	DFT-S $\pi/2$ BPSK	25MHz	128	0
22.23	22.27	22.17	22.4	DFT-S QPSK	25MHz	1	1
22.17	22.24	22.13	22.4	DFT-S QPSK	25MHz	1	67
22.13	22.17	22.12	22.4	DFT-S QPSK	25MHz	1	131
21.23	21.31	21.21	21.4	DFT-S QPSK	25MHz	64	0
22.17	22.23	22.13	22.4	DFT-S QPSK	25MHz	64	35
21.17	21.27	21.16	21.4	DFT-S QPSK	25MHz	64	69
21.16	21.25	21.12	21.4	DFT-S QPSK	25MHz	128	0
21.12	21.17	21.07	21.4	DFT-S 16QAM	25MHz	1	1
19.67	19.71	19.61	19.9	DFT-S 64QAM	25MHz	1	1
17.71	17.75	17.65	17.9	DFT-S 256QAM	25MHz	1	1
20.72	20.76	20.66	20.9	CP QPSK	25MHz	1	1

NR Band n66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
344000	349000	354000	Channel				
1720	1745	1770	Freq. (MHz)				
22.16	22.20	22.10	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	1
22.10	22.17	22.06	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	53
22.06	22.10	22.05	22.4	DFT-S $\pi/2$ BPSK	20MHz	1	104
21.64	21.68	21.58	21.9	DFT-S $\pi/2$ BPSK	20MHz	50	0
22.14	22.18	22.08	22.4	DFT-S $\pi/2$ BPSK	20MHz	50	28
21.61	21.65	21.55	21.9	DFT-S $\pi/2$ BPSK	20MHz	50	56
21.57	21.58	21.51	21.9	DFT-S $\pi/2$ BPSK	20MHz	100	0
22.18	22.22	22.12	22.4	DFT-S QPSK	20MHz	1	1
22.12	22.19	22.08	22.4	DFT-S QPSK	20MHz	1	53
22.08	22.12	22.07	22.4	DFT-S QPSK	20MHz	1	104
21.18	21.26	21.16	21.4	DFT-S QPSK	20MHz	50	0
22.12	22.18	22.08	22.4	DFT-S QPSK	20MHz	50	28
21.12	21.22	21.11	21.4	DFT-S QPSK	20MHz	50	56
21.11	21.20	21.07	21.4	DFT-S QPSK	20MHz	100	0
21.07	21.12	21.02	21.4	DFT-S 16QAM	20MHz	1	1
19.62	19.66	19.56	19.9	DFT-S 64QAM	20MHz	1	1
17.66	17.70	17.60	17.9	DFT-S 256QAM	20MHz	1	1
20.67	20.71	20.61	20.9	CP QPSK	20MHz	1	1

NR Band n66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
343500	349000	354500	Channel				
1717.5	1745	1772.5	Freq. (MHz)				
22.14	22.18	22.08	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	1
22.08	22.15	22.04	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	40
22.04	22.08	22.03	22.4	DFT-S $\pi/2$ BPSK	15MHz	1	77
21.62	21.66	21.56	21.9	DFT-S $\pi/2$ BPSK	15MHz	36	0
22.12	22.16	22.06	22.4	DFT-S $\pi/2$ BPSK	15MHz	36	22
21.59	21.63	21.53	21.9	DFT-S $\pi/2$ BPSK	15MHz	36	43
21.55	21.56	21.49	21.9	DFT-S $\pi/2$ BPSK	15MHz	75	0
22.16	22.20	22.10	22.4	DFT-S QPSK	15MHz	1	1
22.10	22.17	22.06	22.4	DFT-S QPSK	15MHz	1	40
22.06	22.10	22.05	22.4	DFT-S QPSK	15MHz	1	77
21.16	21.24	21.14	21.4	DFT-S QPSK	15MHz	36	0
22.10	22.16	22.06	22.4	DFT-S QPSK	15MHz	36	22
21.10	21.20	21.09	21.4	DFT-S QPSK	15MHz	36	43
21.09	21.18	21.05	21.4	DFT-S QPSK	15MHz	75	0
21.05	21.10	21.00	21.4	DFT-S 16QAM	15MHz	1	1
19.60	19.64	19.54	19.9	DFT-S 64QAM	15MHz	1	1
17.64	17.68	17.58	17.9	DFT-S 256QAM	15MHz	1	1
20.65	20.69	20.59	20.9	CP QPSK	15MHz	1	1

NR Band n66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
343000	349000	355000	Channel				
1715	1745	1775	Freq. (MHz)				
22.11	22.15	22.05	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	1
22.05	22.12	22.01	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	26
22.01	22.05	22.00	22.4	DFT-S $\pi/2$ BPSK	10MHz	1	50
21.59	21.63	21.53	21.9	DFT-S $\pi/2$ BPSK	10MHz	25	0
22.09	22.13	22.03	22.4	DFT-S $\pi/2$ BPSK	10MHz	25	14
21.56	21.60	21.50	21.9	DFT-S $\pi/2$ BPSK	10MHz	25	27
21.52	21.53	21.46	21.9	DFT-S $\pi/2$ BPSK	10MHz	50	0
22.13	22.17	22.07	22.4	DFT-S QPSK	10MHz	1	1
22.07	22.14	22.03	22.4	DFT-S QPSK	10MHz	1	26
22.03	22.07	22.02	22.4	DFT-S QPSK	10MHz	1	50
21.13	21.21	21.11	21.4	DFT-S QPSK	10MHz	25	0
22.07	22.13	22.03	22.4	DFT-S QPSK	10MHz	25	14
21.07	21.17	21.06	21.4	DFT-S QPSK	10MHz	25	27
21.06	21.15	21.02	21.4	DFT-S QPSK	10MHz	50	0
21.02	21.07	20.97	21.4	DFT-S 16QAM	10MHz	1	1
19.57	19.61	19.51	19.9	DFT-S 64QAM	10MHz	1	1
17.61	17.65	17.55	17.9	DFT-S 256QAM	10MHz	1	1
20.62	20.66	20.56	20.9	CP QPSK	10MHz	1	1

NR Band n66							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
342500	349000	355500	Channel				
1712.5	1745	1777.5	Freq. (MHz)				
22.07	22.11	22.01	22.4	DFT-S $\pi/2$ BPSK	5MHz	1	1
22.01	22.08	21.97	22.4	DFT-S $\pi/2$ BPSK	5MHz	1	13
21.97	22.01	21.96	22.4	DFT-S $\pi/2$ BPSK	5MHz	1	23
21.55	21.59	21.49	21.9	DFT-S $\pi/2$ BPSK	5MHz	12	0
22.05	22.09	21.99	22.4	DFT-S $\pi/2$ BPSK	5MHz	12	7
21.52	21.56	21.46	21.9	DFT-S $\pi/2$ BPSK	5MHz	12	13
21.48	21.49	21.42	21.9	DFT-S $\pi/2$ BPSK	5MHz	25	0
22.09	22.13	22.03	22.4	DFT-S QPSK	5MHz	1	1
22.03	22.10	21.99	22.4	DFT-S QPSK	5MHz	1	13
21.99	22.03	21.98	22.4	DFT-S QPSK	5MHz	1	23
21.09	21.17	21.07	21.4	DFT-S QPSK	5MHz	12	0
22.03	22.09	21.99	22.4	DFT-S QPSK	5MHz	12	7
21.03	21.13	21.02	21.4	DFT-S QPSK	5MHz	12	13
21.02	21.11	20.98	21.4	DFT-S QPSK	5MHz	25	0
20.98	21.03	20.93	21.4	DFT-S 16QAM	5MHz	1	1
19.53	19.57	19.47	19.9	DFT-S 64QAM	5MHz	1	1
17.57	17.61	17.51	17.9	DFT-S 256QAM	5MHz	1	1
20.58	20.62	20.52	20.9	CP QPSK	5MHz	1	1

NR Band n71							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
134600	136100	137600	Channel				
673	680.5	688	Freq. (MHz)				
23.76	23.79	23.71	23.9	DFT-S $\pi/2$ BPSK	20MHz	1	1
23.72	23.76	23.68	23.9	DFT-S $\pi/2$ BPSK	20MHz	1	53
23.68	23.74	23.64	23.9	DFT-S $\pi/2$ BPSK	20MHz	1	104
23.24	23.27	23.19	23.4	DFT-S $\pi/2$ BPSK	20MHz	50	0
23.71	23.74	23.66	23.9	DFT-S $\pi/2$ BPSK	20MHz	50	28
23.22	23.25	23.17	23.4	DFT-S $\pi/2$ BPSK	20MHz	50	56
23.15	23.20	23.13	23.4	DFT-S $\pi/2$ BPSK	20MHz	100	0
23.82	23.85	23.77	23.9	DFT-S QPSK	20MHz	1	1
23.78	23.82	23.74	23.9	DFT-S QPSK	20MHz	1	53
23.74	23.80	23.70	23.9	DFT-S QPSK	20MHz	1	104
22.79	22.82	22.75	22.9	DFT-S QPSK	20MHz	50	0
23.77	23.81	23.69	23.9	DFT-S QPSK	20MHz	50	28
22.80	22.81	22.70	22.9	DFT-S QPSK	20MHz	50	56
22.77	22.80	22.69	22.9	DFT-S QPSK	20MHz	100	0
22.69	22.74	22.61	22.9	DFT-S 16QAM	20MHz	1	1
21.29	21.32	21.24	21.4	DFT-S 64QAM	20MHz	1	1
19.30	19.33	19.25	19.4	DFT-S 256QAM	20MHz	1	1
22.30	22.33	22.25	22.4	CP QPSK	20MHz	1	1

NR Band n71							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
134100	136100	138100	Channel				
670.5	680.5	690.5	Freq. (MHz)				
23.70	23.73	23.65	23.9	DFT-S $\pi/2$ BPSK	15MHz	1	1
23.66	23.70	23.62	23.9	DFT-S $\pi/2$ BPSK	15MHz	1	40
23.62	23.68	23.58	23.9	DFT-S $\pi/2$ BPSK	15MHz	1	77
23.18	23.21	23.13	23.4	DFT-S $\pi/2$ BPSK	15MHz	36	0
23.65	23.68	23.60	23.9	DFT-S $\pi/2$ BPSK	15MHz	36	22
23.16	23.19	23.11	23.4	DFT-S $\pi/2$ BPSK	15MHz	36	43
23.09	23.14	23.07	23.4	DFT-S $\pi/2$ BPSK	15MHz	75	0
23.76	23.79	23.71	23.9	DFT-S QPSK	15MHz	1	1
23.72	23.76	23.68	23.9	DFT-S QPSK	15MHz	1	40
23.68	23.74	23.64	23.9	DFT-S QPSK	15MHz	1	77
22.73	22.76	22.69	22.9	DFT-S QPSK	15MHz	36	0
23.71	23.75	23.63	23.9	DFT-S QPSK	15MHz	36	22
22.74	22.75	22.64	22.9	DFT-S QPSK	15MHz	36	43
22.71	22.74	22.63	22.9	DFT-S QPSK	15MHz	75	0
22.63	22.68	22.55	22.9	DFT-S 16QAM	15MHz	1	1
21.23	21.26	21.18	21.4	DFT-S 64QAM	15MHz	1	1
19.24	19.27	19.19	19.4	DFT-S 256QAM	15MHz	1	1
22.24	22.27	22.19	22.4	CP QPSK	15MHz	1	1

NR Band n71							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
133600	136100	138600	Channel				
668	680.5	693	Freq. (MHz)				
23.68	23.71	23.63	23.9	DFT-S $\pi/2$ BPSK	10MHz	1	1
23.64	23.68	23.60	23.9	DFT-S $\pi/2$ BPSK	10MHz	1	26
23.60	23.66	23.56	23.9	DFT-S $\pi/2$ BPSK	10MHz	1	50
23.16	23.19	23.11	23.4	DFT-S $\pi/2$ BPSK	10MHz	25	0
23.63	23.66	23.58	23.9	DFT-S $\pi/2$ BPSK	10MHz	25	14
23.14	23.17	23.09	23.4	DFT-S $\pi/2$ BPSK	10MHz	25	27
23.07	23.12	23.05	23.4	DFT-S $\pi/2$ BPSK	10MHz	50	0
23.74	23.77	23.69	23.9	DFT-S QPSK	10MHz	1	1
23.70	23.74	23.66	23.9	DFT-S QPSK	10MHz	1	26
23.66	23.72	23.62	23.9	DFT-S QPSK	10MHz	1	50
22.71	22.74	22.67	22.9	DFT-S QPSK	10MHz	25	0
23.69	23.73	23.61	23.9	DFT-S QPSK	10MHz	25	14
22.72	22.73	22.62	22.9	DFT-S QPSK	10MHz	25	27
22.69	22.72	22.61	22.9	DFT-S QPSK	10MHz	50	0
22.61	22.66	22.53	22.9	DFT-S 16QAM	10MHz	1	1
21.21	21.24	21.16	21.4	DFT-S 64QAM	10MHz	1	1
19.22	19.25	19.17	19.4	DFT-S 256QAM	10MHz	1	1
22.22	22.25	22.17	22.4	CP QPSK	10MHz	1	1

NR Band n71							
Maximum Average Power (dBm)			Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
133100	136100	139100	Channel				
665.5	680.5	695.5	Freq. (MHz)				
23.63	23.66	23.58	23.9	DFT-S $\pi/2$ BPSK	5MHz	1	1
23.59	23.63	23.55	23.9	DFT-S $\pi/2$ BPSK	5MHz	1	13
23.55	23.61	23.51	23.9	DFT-S $\pi/2$ BPSK	5MHz	1	23
23.11	23.14	23.06	23.4	DFT-S $\pi/2$ BPSK	5MHz	12	0
23.58	23.61	23.53	23.9	DFT-S $\pi/2$ BPSK	5MHz	12	7
23.09	23.12	23.04	23.4	DFT-S $\pi/2$ BPSK	5MHz	12	13
23.02	23.07	23.00	23.4	DFT-S $\pi/2$ BPSK	5MHz	25	0
23.69	23.72	23.64	23.9	DFT-S QPSK	5MHz	1	1
23.65	23.69	23.61	23.9	DFT-S QPSK	5MHz	1	13
23.61	23.67	23.57	23.9	DFT-S QPSK	5MHz	1	23
22.66	22.69	22.62	22.9	DFT-S QPSK	5MHz	12	0
23.64	23.68	23.56	23.9	DFT-S QPSK	5MHz	12	7
22.67	22.68	22.57	22.9	DFT-S QPSK	5MHz	12	13
22.64	22.67	22.56	22.9	DFT-S QPSK	5MHz	25	0
22.56	22.61	22.48	22.9	DFT-S 16QAM	5MHz	1	1
21.16	21.19	21.11	21.4	DFT-S 64QAM	5MHz	1	1
19.17	19.20	19.12	19.4	DFT-S 256QAM	5MHz	1	1
22.17	22.20	22.12	22.4	CP QPSK	5MHz	1	1

NR Band n48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
638000	640444	642888	645332	Channel				
3570	3606.66	3643.32	3679.98	Freq. (MHz)				
19.80	19.87	19.76	19.70	19.9	DFT-S $\pi/2$ BPSK	40MHz	1	1
19.80	19.83	19.70	19.61	19.9	DFT-S $\pi/2$ BPSK	40MHz	1	53
19.75	19.80	19.67	19.60	19.9	DFT-S $\pi/2$ BPSK	40MHz	1	104
19.24	19.31	19.20	19.14	19.4	DFT-S $\pi/2$ BPSK	40MHz	50	0
19.78	19.85	19.74	19.75	19.9	DFT-S $\pi/2$ BPSK	40MHz	50	28
19.24	19.27	19.14	19.05	19.4	DFT-S $\pi/2$ BPSK	40MHz	50	56
19.19	19.24	19.11	19.04	19.4	DFT-S $\pi/2$ BPSK	40MHz	100	0
19.82	19.89	19.78	19.72	19.9	DFT-S QPSK	40MHz	1	1
19.82	19.85	19.72	19.63	19.9	DFT-S QPSK	40MHz	1	53
19.77	19.82	19.69	19.62	19.9	DFT-S QPSK	40MHz	1	104
18.82	18.88	18.71	18.69	18.9	DFT-S QPSK	40MHz	50	0
19.78	19.88	19.69	19.67	19.9	DFT-S QPSK	40MHz	50	28
18.77	18.84	18.73	18.67	18.9	DFT-S QPSK	40MHz	50	56
18.78	18.82	18.69	18.61	18.9	DFT-S QPSK	40MHz	100	0
18.71	18.78	18.67	18.61	18.9	DFT-S 16QAM	40MHz	1	1
17.28	17.35	17.24	17.18	17.4	DFT-S 64QAM	40MHz	1	1
15.26	15.33	15.22	15.16	15.4	DFT-S 256QAM	40MHz	1	1
18.31	18.38	18.27	18.21	18.4	CP QPSK	40MHz	1	1

NR Band n48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
637668	640334	643000	645666	Channel				
3565.02	3605.01	3645	3684.99	Freq. (MHz)				
19.74	19.81	19.70	19.64	19.9	DFT-S $\pi/2$ BPSK	30MHz	1	1
19.74	19.77	19.64	19.55	19.9	DFT-S $\pi/2$ BPSK	30MHz	1	39
19.69	19.74	19.61	19.54	19.9	DFT-S $\pi/2$ BPSK	30MHz	1	76
19.18	19.25	19.14	19.08	19.4	DFT-S $\pi/2$ BPSK	30MHz	36	0
19.72	19.79	19.68	19.69	19.9	DFT-S $\pi/2$ BPSK	30MHz	36	21
19.18	19.21	19.08	18.99	19.4	DFT-S $\pi/2$ BPSK	30MHz	36	42
19.13	19.18	19.05	18.98	19.4	DFT-S $\pi/2$ BPSK	30MHz	75	0
19.76	19.83	19.72	19.66	19.9	DFT-S QPSK	30MHz	1	1
19.76	19.79	19.66	19.57	19.9	DFT-S QPSK	30MHz	1	39
19.71	19.76	19.63	19.56	19.9	DFT-S QPSK	30MHz	1	76
18.76	18.82	18.65	18.63	18.9	DFT-S QPSK	30MHz	36	0
19.72	19.82	19.63	19.61	19.9	DFT-S QPSK	30MHz	36	21
18.71	18.78	18.67	18.61	18.9	DFT-S QPSK	30MHz	36	42
18.72	18.76	18.63	18.55	18.9	DFT-S QPSK	30MHz	75	0
18.65	18.72	18.61	18.55	18.9	DFT-S 16QAM	30MHz	1	1
17.22	17.29	17.18	17.12	17.4	DFT-S 64QAM	30MHz	1	1
15.20	15.27	15.16	15.10	15.4	DFT-S 256QAM	30MHz	1	1
18.25	18.32	18.21	18.15	18.4	CP QPSK	30MHz	1	1

NR Band n48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
637334	640220	643114	646000	Channel				
3560.01	3603.3	3646.71	3690	Freq. (MHz)				
19.70	19.77	19.66	19.60	19.9	DFT-S $\pi/2$ BPSK	20MHz	1	1
19.70	19.73	19.60	19.51	19.9	DFT-S $\pi/2$ BPSK	20MHz	1	26
19.65	19.70	19.57	19.50	19.9	DFT-S $\pi/2$ BPSK	20MHz	1	49
19.14	19.21	19.10	19.04	19.4	DFT-S $\pi/2$ BPSK	20MHz	25	0
19.68	19.75	19.64	19.65	19.9	DFT-S $\pi/2$ BPSK	20MHz	25	13
19.14	19.17	19.04	18.95	19.4	DFT-S $\pi/2$ BPSK	20MHz	25	26
19.09	19.14	19.01	18.94	19.4	DFT-S $\pi/2$ BPSK	20MHz	50	0
19.72	19.79	19.68	19.62	19.9	DFT-S QPSK	20MHz	1	1
19.72	19.75	19.62	19.53	19.9	DFT-S QPSK	20MHz	1	26
19.67	19.72	19.59	19.52	19.9	DFT-S QPSK	20MHz	1	49
18.72	18.78	18.61	18.59	18.9	DFT-S QPSK	20MHz	25	0
19.68	19.78	19.59	19.57	19.9	DFT-S QPSK	20MHz	25	13
18.67	18.74	18.63	18.57	18.9	DFT-S QPSK	20MHz	25	26
18.68	18.72	18.59	18.51	18.9	DFT-S QPSK	20MHz	50	0
18.61	18.68	18.57	18.51	18.9	DFT-S 16QAM	20MHz	1	1
17.18	17.25	17.14	17.08	17.4	DFT-S 64QAM	20MHz	1	1
15.16	15.23	15.12	15.06	15.4	DFT-S 256QAM	20MHz	1	1
18.21	18.28	18.17	18.11	18.4	CP QPSK	20MHz	1	1

NR Band n48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
637168	640168	643166	646166	Channel				
3557.52	3602.52	3647.49	3692.49	Freq. (MHz)				
19.67	19.74	19.63	19.57	19.9	DFT-S $\pi/2$ BPSK	15MHz	1	1
19.67	19.70	19.57	19.48	19.9	DFT-S $\pi/2$ BPSK	15MHz	1	19
19.62	19.67	19.54	19.47	19.9	DFT-S $\pi/2$ BPSK	15MHz	1	36
19.11	19.18	19.07	19.01	19.4	DFT-S $\pi/2$ BPSK	15MHz	18	0
19.65	19.72	19.61	19.62	19.9	DFT-S $\pi/2$ BPSK	15MHz	18	10
19.11	19.14	19.01	18.92	19.4	DFT-S $\pi/2$ BPSK	15MHz	18	20
19.06	19.11	18.98	18.91	19.4	DFT-S $\pi/2$ BPSK	15MHz	36	0
19.69	19.76	19.65	19.59	19.9	DFT-S QPSK	15MHz	1	1
19.69	19.72	19.59	19.50	19.9	DFT-S QPSK	15MHz	1	19
19.64	19.69	19.56	19.49	19.9	DFT-S QPSK	15MHz	1	36
18.69	18.75	18.58	18.56	18.9	DFT-S QPSK	15MHz	18	0
19.65	19.75	19.56	19.54	19.9	DFT-S QPSK	15MHz	18	10
18.64	18.71	18.60	18.54	18.9	DFT-S QPSK	15MHz	18	20
18.65	18.69	18.56	18.48	18.9	DFT-S QPSK	15MHz	36	0
18.58	18.65	18.54	18.48	18.9	DFT-S 16QAM	15MHz	1	1
17.15	17.22	17.11	17.05	17.4	DFT-S 64QAM	15MHz	1	1
15.13	15.20	15.09	15.03	15.4	DFT-S 256QAM	15MHz	1	1
18.18	18.25	18.14	18.08	18.4	CP QPSK	15MHz	1	1

NR Band n48								
Maximum Average Power (dBm)				Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
637000	640110	643222	646332	Channel				
3555	3601.65	3648.33	3694.98	Freq. (MHz)				
19.62	19.69	19.58	19.52	19.9	DFT-S $\pi/2$ BPSK	10MHz	1	1
19.62	19.65	19.52	19.43	19.9	DFT-S $\pi/2$ BPSK	10MHz	1	11
19.57	19.62	19.49	19.42	19.9	DFT-S $\pi/2$ BPSK	10MHz	1	22
19.06	19.13	19.02	18.96	19.4	DFT-S $\pi/2$ BPSK	10MHz	12	0
19.60	19.67	19.56	19.57	19.9	DFT-S $\pi/2$ BPSK	10MHz	12	6
19.06	19.09	18.96	18.87	19.4	DFT-S $\pi/2$ BPSK	10MHz	12	12
19.01	19.06	18.93	18.86	19.4	DFT-S $\pi/2$ BPSK	10MHz	24	0
19.64	19.71	19.60	19.54	19.9	DFT-S QPSK	10MHz	1	1
19.64	19.67	19.54	19.45	19.9	DFT-S QPSK	10MHz	1	11
19.59	19.64	19.51	19.44	19.9	DFT-S QPSK	10MHz	1	22
18.64	18.70	18.53	18.51	18.9	DFT-S QPSK	10MHz	12	0
19.60	19.70	19.51	19.49	19.9	DFT-S QPSK	10MHz	12	6
18.59	18.66	18.55	18.49	18.9	DFT-S QPSK	10MHz	12	12
18.60	18.64	18.51	18.43	18.9	DFT-S QPSK	10MHz	24	0
18.53	18.60	18.49	18.43	18.9	DFT-S 16QAM	10MHz	1	1
17.10	17.17	17.06	17.00	17.4	DFT-S 64QAM	10MHz	1	1
15.08	15.15	15.04	14.98	15.4	DFT-S 256QAM	10MHz	1	1
18.13	18.20	18.09	18.03	18.4	CP QPSK	10MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
650000	652400	654800	657200	659600	662000	Channel				
3750	3786	3822	3858	3894	3930	Freq. (MHz)				
19.65	19.69	19.72	19.60	19.51	19.39	19.8	DFT-S $\pi/2$ BPSK	100MHz	1	1
19.62	19.65	19.71	19.59	19.52	19.42	19.8	DFT-S $\pi/2$ BPSK	100MHz	1	137
19.44	19.46	19.63	19.38	19.37	19.27	19.8	DFT-S $\pi/2$ BPSK	100MHz	1	271
19.14	19.18	19.21	19.09	19.00	18.88	19.3	DFT-S $\pi/2$ BPSK	100MHz	135	0
19.62	19.66	19.69	19.57	19.48	19.36	19.8	DFT-S $\pi/2$ BPSK	100MHz	135	69
19.12	19.14	19.19	19.08	18.98	18.84	19.3	DFT-S $\pi/2$ BPSK	100MHz	135	138
19.02	19.12	19.11	19.03	18.84	18.77	19.3	DFT-S $\pi/2$ BPSK	100MHz	270	0
19.71	19.75	19.78	19.66	19.57	19.45	19.8	DFT-S QPSK	100MHz	1	1
19.68	19.71	19.77	19.65	19.58	19.48	19.8	DFT-S QPSK	100MHz	1	137
19.50	19.52	19.69	19.44	19.43	19.33	19.8	DFT-S QPSK	100MHz	1	271
18.62	18.69	18.75	18.55	18.44	18.34	18.8	DFT-S QPSK	100MHz	135	0
19.66	19.68	19.72	19.58	19.52	19.42	19.8	DFT-S QPSK	100MHz	135	69
18.69	18.74	18.75	18.62	18.62	18.55	18.8	DFT-S QPSK	100MHz	135	138
18.61	18.65	18.69	18.58	18.52	18.41	18.8	DFT-S QPSK	100MHz	270	0
18.50	18.54	18.62	18.44	18.41	18.33	18.8	DFT-S 16QAM	100MHz	1	1
17.20	17.24	17.27	17.15	17.06	16.94	17.3	DFT-S 64QAM	100MHz	1	1
15.13	15.17	15.20	15.08	14.99	14.87	15.3	DFT-S 256QAM	100MHz	1	1
18.17	18.21	18.24	18.12	18.03	17.91	18.3	CP QPSK	100MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
649668	652200	654734	657266	659800	662332	Channel				
3745.02	3783	3821.01	3858.99	3897	3934.98	Freq. (MHz)				
19.59	19.63	19.66	19.54	19.45	19.33	19.8	DFT-S $\pi/2$ BPSK	90MHz	1	1
19.56	19.59	19.65	19.53	19.46	19.36	19.8	DFT-S $\pi/2$ BPSK	90MHz	1	123
19.38	19.40	19.57	19.32	19.31	19.21	19.8	DFT-S $\pi/2$ BPSK	90MHz	1	243
19.08	19.12	19.15	19.03	18.94	18.82	19.3	DFT-S $\pi/2$ BPSK	90MHz	120	0
19.56	19.60	19.63	19.51	19.42	19.30	19.8	DFT-S $\pi/2$ BPSK	90MHz	120	63
19.06	19.08	19.13	19.02	18.92	18.78	19.3	DFT-S $\pi/2$ BPSK	90MHz	120	125
18.96	19.06	19.05	18.97	18.78	18.71	19.3	DFT-S $\pi/2$ BPSK	90MHz	243	0
19.65	19.69	19.72	19.60	19.51	19.39	19.8	DFT-S QPSK	90MHz	1	1
19.62	19.65	19.71	19.59	19.52	19.42	19.8	DFT-S QPSK	90MHz	1	123
19.44	19.46	19.63	19.38	19.37	19.27	19.8	DFT-S QPSK	90MHz	1	243
18.56	18.63	18.69	18.49	18.38	18.28	18.8	DFT-S QPSK	90MHz	120	0
19.60	19.62	19.66	19.52	19.46	19.36	19.8	DFT-S QPSK	90MHz	120	63
18.63	18.68	18.69	18.56	18.56	18.49	18.8	DFT-S QPSK	90MHz	120	125
18.55	18.59	18.63	18.52	18.46	18.35	18.8	DFT-S QPSK	90MHz	243	0
18.44	18.48	18.56	18.38	18.35	18.27	18.8	DFT-S 16QAM	90MHz	1	1
17.14	17.18	17.21	17.09	17.00	16.88	17.3	DFT-S 64QAM	90MHz	1	1
15.07	15.11	15.14	15.02	14.93	14.81	15.3	DFT-S 256QAM	90MHz	1	1
18.11	18.15	18.18	18.06	17.97	17.85	18.3	CP QPSK	90MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
649334	652000	654666	657334	660000	662666	Channel				
3740.01	3780	3819.99	3860.01	3900	3939.99	Freq. (MHz)				
19.54	19.58	19.61	19.49	19.40	19.28	19.8	DFT-S $\pi/2$ BPSK	80MHz	1	1
19.51	19.54	19.60	19.48	19.41	19.31	19.8	DFT-S $\pi/2$ BPSK	80MHz	1	109
19.33	19.35	19.52	19.27	19.26	19.16	19.8	DFT-S $\pi/2$ BPSK	80MHz	1	215
19.03	19.07	19.10	18.98	18.89	18.77	19.3	DFT-S $\pi/2$ BPSK	80MHz	108	0
19.51	19.55	19.58	19.46	19.37	19.25	19.8	DFT-S $\pi/2$ BPSK	80MHz	108	55
19.01	19.03	19.08	18.97	18.87	18.73	19.3	DFT-S $\pi/2$ BPSK	80MHz	108	109
18.91	19.01	19.00	18.92	18.73	18.66	19.3	DFT-S $\pi/2$ BPSK	80MHz	216	0
19.60	19.64	19.67	19.55	19.46	19.34	19.8	DFT-S QPSK	80MHz	1	1
19.57	19.60	19.66	19.54	19.47	19.37	19.8	DFT-S QPSK	80MHz	1	109
19.39	19.41	19.58	19.33	19.32	19.22	19.8	DFT-S QPSK	80MHz	1	215
18.51	18.58	18.64	18.44	18.33	18.23	18.8	DFT-S QPSK	80MHz	108	0
19.55	19.57	19.61	19.47	19.41	19.31	19.8	DFT-S QPSK	80MHz	108	55
18.58	18.63	18.64	18.51	18.51	18.44	18.8	DFT-S QPSK	80MHz	108	109
18.50	18.54	18.58	18.47	18.41	18.30	18.8	DFT-S QPSK	80MHz	216	0
18.39	18.43	18.51	18.33	18.30	18.22	18.8	DFT-S 16QAM	80MHz	1	1
17.09	17.13	17.16	17.04	16.95	16.83	17.3	DFT-S 64QAM	80MHz	1	1
15.02	15.06	15.09	14.97	14.88	14.76	15.3	DFT-S 256QAM	80MHz	1	1
18.06	18.10	18.13	18.01	17.92	17.80	18.3	CP QPSK	80MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
649000	651800	654600	657400	660200	663000	Channel				
3735	3777	3819	3861	3903	3945	Freq. (MHz)				
19.47	19.51	19.54	19.42	19.33	19.21	19.8	DFT-S $\pi/2$ BPSK	70MHz	1	1
19.44	19.47	19.53	19.41	19.34	19.24	19.8	DFT-S $\pi/2$ BPSK	70MHz	1	95
19.26	19.28	19.45	19.20	19.19	19.09	19.8	DFT-S $\pi/2$ BPSK	70MHz	1	187
18.96	19.00	19.03	18.91	18.82	18.70	19.3	DFT-S $\pi/2$ BPSK	70MHz	90	0
19.44	19.48	19.51	19.39	19.30	19.18	19.8	DFT-S $\pi/2$ BPSK	70MHz	90	50
18.94	18.96	19.01	18.90	18.80	18.66	19.3	DFT-S $\pi/2$ BPSK	70MHz	90	99
18.84	18.94	18.93	18.85	18.66	18.59	19.3	DFT-S $\pi/2$ BPSK	70MHz	180	0
19.53	19.57	19.60	19.48	19.39	19.27	19.8	DFT-S QPSK	70MHz	1	1
19.50	19.53	19.59	19.47	19.40	19.30	19.8	DFT-S QPSK	70MHz	1	95
19.32	19.34	19.51	19.26	19.25	19.15	19.8	DFT-S QPSK	70MHz	1	187
18.44	18.51	18.57	18.37	18.26	18.16	18.8	DFT-S QPSK	70MHz	90	0
19.48	19.50	19.54	19.40	19.34	19.24	19.8	DFT-S QPSK	70MHz	90	50
18.51	18.56	18.57	18.44	18.44	18.37	18.8	DFT-S QPSK	70MHz	90	99
18.43	18.47	18.51	18.40	18.34	18.23	18.8	DFT-S QPSK	70MHz	180	0
18.32	18.36	18.44	18.26	18.23	18.15	18.8	DFT-S 16QAM	70MHz	1	1
17.02	17.06	17.09	16.97	16.88	16.76	17.3	DFT-S 64QAM	70MHz	1	1
14.95	14.99	15.02	14.90	14.81	14.69	15.3	DFT-S 256QAM	70MHz	1	1
17.99	18.03	18.06	17.94	17.85	17.73	18.3	CP QPSK	70MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
648668	651600	654534	657466	660400	663332	Channel				
3730.02	3774	3818.01	3861.99	3906	3949.98	Freq. (MHz)				
19.44	19.48	19.51	19.39	19.30	19.18	19.8	DFT-S $\pi/2$ BPSK	60MHz	1	1
19.41	19.44	19.50	19.38	19.31	19.21	19.8	DFT-S $\pi/2$ BPSK	60MHz	1	81
19.23	19.25	19.42	19.17	19.16	19.06	19.8	DFT-S $\pi/2$ BPSK	60MHz	1	160
18.93	18.97	19.00	18.88	18.79	18.67	19.3	DFT-S $\pi/2$ BPSK	60MHz	81	0
19.41	19.45	19.48	19.36	19.27	19.15	19.8	DFT-S $\pi/2$ BPSK	60MHz	81	41
18.91	18.93	18.98	18.87	18.77	18.63	19.3	DFT-S $\pi/2$ BPSK	60MHz	81	81
18.81	18.91	18.90	18.82	18.63	18.56	19.3	DFT-S $\pi/2$ BPSK	60MHz	162	0
19.50	19.54	19.57	19.45	19.36	19.24	19.8	DFT-S QPSK	60MHz	1	1
19.47	19.50	19.56	19.44	19.37	19.27	19.8	DFT-S QPSK	60MHz	1	81
19.29	19.31	19.48	19.23	19.22	19.12	19.8	DFT-S QPSK	60MHz	1	160
18.41	18.48	18.54	18.34	18.23	18.13	18.8	DFT-S QPSK	60MHz	81	0
19.45	19.47	19.51	19.37	19.31	19.21	19.8	DFT-S QPSK	60MHz	81	41
18.48	18.53	18.54	18.41	18.41	18.34	18.8	DFT-S QPSK	60MHz	81	81
18.40	18.44	18.48	18.37	18.31	18.20	18.8	DFT-S QPSK	60MHz	162	0
18.29	18.33	18.41	18.23	18.20	18.12	18.8	DFT-S 16QAM	60MHz	1	1
16.99	17.03	17.06	16.94	16.85	16.73	17.3	DFT-S 64QAM	60MHz	1	1
14.92	14.96	14.99	14.87	14.78	14.66	15.3	DFT-S 256QAM	60MHz	1	1
17.96	18.00	18.03	17.91	17.82	17.70	18.3	CP QPSK	60MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
648334	651400	654466	657534	660600	663666	Channel				
3725.01	3771	3816.99	3863.01	3909	3954.99	Freq. (MHz)				
19.40	19.44	19.47	19.35	19.26	19.14	19.8	DFT-S $\pi/2$ BPSK	50MHz	1	1
19.37	19.40	19.46	19.34	19.27	19.17	19.8	DFT-S $\pi/2$ BPSK	50MHz	1	67
19.19	19.21	19.38	19.13	19.12	19.02	19.8	DFT-S $\pi/2$ BPSK	50MHz	1	131
18.89	18.93	18.96	18.84	18.75	18.63	19.3	DFT-S $\pi/2$ BPSK	50MHz	64	0
19.37	19.41	19.44	19.32	19.23	19.11	19.8	DFT-S $\pi/2$ BPSK	50MHz	64	35
18.87	18.89	18.94	18.83	18.73	18.59	19.3	DFT-S $\pi/2$ BPSK	50MHz	64	69
18.77	18.87	18.86	18.78	18.59	18.52	19.3	DFT-S $\pi/2$ BPSK	50MHz	128	0
19.46	19.50	19.53	19.41	19.32	19.20	19.8	DFT-S QPSK	50MHz	1	1
19.43	19.46	19.52	19.40	19.33	19.23	19.8	DFT-S QPSK	50MHz	1	1
19.25	19.27	19.44	19.19	19.18	19.08	19.8	DFT-S QPSK	50MHz	1	67
18.37	18.44	18.50	18.30	18.19	18.09	18.8	DFT-S QPSK	50MHz	1	131
19.41	19.43	19.47	19.33	19.27	19.17	19.8	DFT-S QPSK	50MHz	64	0
18.44	18.49	18.50	18.37	18.37	18.30	18.8	DFT-S QPSK	50MHz	64	35
18.36	18.40	18.44	18.33	18.27	18.16	18.8	DFT-S QPSK	50MHz	64	69
18.25	18.29	18.37	18.19	18.16	18.08	18.8	DFT-S 16QAM	50MHz	128	0
16.95	16.99	17.02	16.90	16.81	16.69	17.3	DFT-S 64QAM	50MHz	1	1
14.88	14.92	14.95	14.83	14.74	14.62	15.3	DFT-S 256QAM	50MHz	1	1
17.92	17.96	17.99	17.87	17.78	17.66	18.3	CP QPSK	50MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
648000	651200	654400	657600	660800	664000	Channel				
3720	3768	3816	3864	3912	3960	Freq. (MHz)				
19.36	19.40	19.43	19.31	19.22	19.10	19.8	DFT-S $\pi/2$ BPSK	40MHz	1	1
19.33	19.36	19.42	19.30	19.23	19.13	19.8	DFT-S $\pi/2$ BPSK	40MHz	1	53
19.15	19.17	19.34	19.09	19.08	18.98	19.8	DFT-S $\pi/2$ BPSK	40MHz	1	104
18.85	18.89	18.92	18.80	18.71	18.59	19.3	DFT-S $\pi/2$ BPSK	40MHz	50	0
19.33	19.37	19.40	19.28	19.19	19.07	19.8	DFT-S $\pi/2$ BPSK	40MHz	50	28
18.83	18.85	18.90	18.79	18.69	18.55	19.3	DFT-S $\pi/2$ BPSK	40MHz	50	56
18.73	18.83	18.82	18.74	18.55	18.48	19.3	DFT-S $\pi/2$ BPSK	40MHz	100	0
19.42	19.46	19.49	19.37	19.28	19.16	19.8	DFT-S QPSK	40MHz	1	1
19.39	19.42	19.48	19.36	19.29	19.19	19.8	DFT-S QPSK	40MHz	1	53
19.21	19.23	19.40	19.15	19.14	19.04	19.8	DFT-S QPSK	40MHz	1	104
18.33	18.40	18.46	18.26	18.15	18.05	18.8	DFT-S QPSK	40MHz	50	0
19.37	19.39	19.43	19.29	19.23	19.13	19.8	DFT-S QPSK	40MHz	50	28
18.40	18.45	18.46	18.33	18.33	18.26	18.8	DFT-S QPSK	40MHz	50	56
18.32	18.36	18.40	18.29	18.23	18.12	18.8	DFT-S QPSK	40MHz	100	0
18.21	18.25	18.33	18.15	18.12	18.04	18.8	DFT-S 16QAM	40MHz	128	0
16.91	16.95	16.98	16.86	16.77	16.65	17.3	DFT-S 64QAM	40MHz	1	1
14.84	14.88	14.91	14.79	14.70	14.58	15.3	DFT-S 256QAM	40MHz	1	1
17.88	17.92	17.95	17.83	17.74	17.62	18.3	CP QPSK	40MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
647668	651000	654334	657666	661000	664332	Channel				
3715.02	3765	3815.01	3864.99	3915	3964.98	Freq. (MHz)				
19.33	19.37	19.40	19.28	19.19	19.07	19.8	DFT-S $\pi/2$ BPSK	30MHz	1	1
19.30	19.33	19.39	19.27	19.20	19.10	19.8	DFT-S $\pi/2$ BPSK	30MHz	1	39
19.12	19.14	19.31	19.06	19.05	18.95	19.8	DFT-S $\pi/2$ BPSK	30MHz	1	76
18.82	18.86	18.89	18.77	18.68	18.56	19.3	DFT-S $\pi/2$ BPSK	30MHz	36	0
19.30	19.34	19.37	19.25	19.16	19.04	19.8	DFT-S $\pi/2$ BPSK	30MHz	36	21
18.80	18.82	18.87	18.76	18.66	18.52	19.3	DFT-S $\pi/2$ BPSK	30MHz	36	42
18.70	18.80	18.79	18.71	18.52	18.45	19.3	DFT-S $\pi/2$ BPSK	30MHz	75	0
19.39	19.43	19.46	19.34	19.25	19.13	19.8	DFT-S QPSK	30MHz	1	1
19.36	19.39	19.45	19.33	19.26	19.16	19.8	DFT-S QPSK	30MHz	1	39
19.18	19.20	19.37	19.12	19.11	19.01	19.8	DFT-S QPSK	30MHz	1	76
18.30	18.37	18.43	18.23	18.12	18.02	18.8	DFT-S QPSK	30MHz	36	0
19.34	19.36	19.40	19.26	19.20	19.10	19.8	DFT-S QPSK	30MHz	36	21
18.37	18.42	18.43	18.30	18.30	18.23	18.8	DFT-S QPSK	30MHz	36	42
18.29	18.33	18.37	18.26	18.20	18.09	18.8	DFT-S QPSK	30MHz	75	0
18.18	18.22	18.30	18.12	18.09	18.01	18.8	DFT-S 16QAM	30MHz	128	0
16.88	16.92	16.95	16.83	16.74	16.62	17.3	DFT-S 64QAM	30MHz	1	1
14.81	14.85	14.88	14.76	14.67	14.55	15.3	DFT-S 256QAM	30MHz	1	1
17.85	17.89	17.92	17.80	17.71	17.59	18.3	CP QPSK	30MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
647500	650900	654300	657700	661100	664500	Channel				
3712.5	3763.5	3814.5	3865.5	3916.5	3967.5	Freq. (MHz)				
19.31	19.35	19.38	19.26	19.17	19.05	19.8	DFT-S $\pi/2$ BPSK	25MHz	1	1
19.28	19.31	19.37	19.25	19.18	19.08	19.8	DFT-S $\pi/2$ BPSK	25MHz	1	33
19.10	19.12	19.29	19.04	19.03	18.93	19.8	DFT-S $\pi/2$ BPSK	25MHz	1	63
18.80	18.84	18.87	18.75	18.66	18.54	19.3	DFT-S $\pi/2$ BPSK	25MHz	32	0
19.28	19.32	19.35	19.23	19.14	19.02	19.8	DFT-S $\pi/2$ BPSK	25MHz	32	17
18.78	18.80	18.85	18.74	18.64	18.50	19.3	DFT-S $\pi/2$ BPSK	25MHz	32	33
18.68	18.78	18.77	18.69	18.50	18.43	19.3	DFT-S $\pi/2$ BPSK	25MHz	64	0
19.37	19.41	19.44	19.32	19.23	19.11	19.8	DFT-S QPSK	25MHz	1	1
19.34	19.37	19.43	19.31	19.24	19.14	19.8	DFT-S QPSK	25MHz	1	33
19.16	19.18	19.35	19.10	19.09	18.99	19.8	DFT-S QPSK	25MHz	1	63
18.28	18.35	18.41	18.21	18.10	18.00	18.8	DFT-S QPSK	25MHz	32	0
19.32	19.34	19.38	19.24	19.18	19.08	19.8	DFT-S QPSK	25MHz	32	17
18.35	18.40	18.41	18.28	18.28	18.21	18.8	DFT-S QPSK	25MHz	32	33
18.27	18.31	18.35	18.24	18.18	18.07	18.8	DFT-S QPSK	25MHz	64	0
18.16	18.20	18.28	18.10	18.07	17.99	18.8	DFT-S 16QAM	25MHz	128	0
16.86	16.90	16.93	16.81	16.72	16.60	17.3	DFT-S 64QAM	25MHz	1	1
14.79	14.83	14.86	14.74	14.65	14.53	15.3	DFT-S 256QAM	25MHz	1	1
17.83	17.87	17.90	17.78	17.69	17.57	18.3	CP QPSK	25MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
647334	650800	654266	657734	661200	664666	Channel				
3710.01	3762	3813.99	3866.01	3918	3969.99	Freq. (MHz)				
19.25	19.29	19.32	19.20	19.11	18.99	19.8	DFT-S $\pi/2$ BPSK	20MHz	1	1
19.22	19.25	19.31	19.19	19.12	19.02	19.8	DFT-S $\pi/2$ BPSK	20MHz	1	26
19.04	19.06	19.23	18.98	18.97	18.87	19.8	DFT-S $\pi/2$ BPSK	20MHz	1	49
18.74	18.78	18.81	18.69	18.60	18.48	19.3	DFT-S $\pi/2$ BPSK	20MHz	25	0
19.22	19.26	19.29	19.17	19.08	18.96	19.8	DFT-S $\pi/2$ BPSK	20MHz	25	13
18.72	18.74	18.79	18.68	18.58	18.44	19.3	DFT-S $\pi/2$ BPSK	20MHz	25	26
18.62	18.72	18.71	18.63	18.44	18.37	19.3	DFT-S $\pi/2$ BPSK	20MHz	50	0
19.31	19.35	19.38	19.26	19.17	19.05	19.8	DFT-S QPSK	20MHz	1	1
19.28	19.31	19.37	19.25	19.18	19.08	19.8	DFT-S QPSK	20MHz	1	26
19.10	19.12	19.29	19.04	19.03	18.93	19.8	DFT-S QPSK	20MHz	1	49
18.22	18.29	18.35	18.15	18.04	17.94	18.8	DFT-S QPSK	20MHz	25	0
19.26	19.28	19.32	19.18	19.12	19.02	19.8	DFT-S QPSK	20MHz	25	13
18.29	18.34	18.35	18.22	18.22	18.15	18.8	DFT-S QPSK	20MHz	25	26
18.21	18.25	18.29	18.18	18.12	18.01	18.8	DFT-S QPSK	20MHz	50	0
18.10	18.14	18.22	18.04	18.01	17.93	18.8	DFT-S 16QAM	20MHz	128	0
16.80	16.84	16.87	16.75	16.66	16.54	17.3	DFT-S 64QAM	20MHz	1	1
14.73	14.77	14.80	14.68	14.59	14.47	15.3	DFT-S 256QAM	20MHz	1	1
17.77	17.81	17.84	17.72	17.63	17.51	18.3	CP QPSK	20MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
647168	650700	654234	657766	661300	664832	Channel				
3707.52	3760.5	3813.51	3866.49	3919.5	3972.48	Freq. (MHz)				
19.17	19.21	19.24	19.12	19.03	18.91	19.8	DFT-S $\pi/2$ BPSK	15MHz	1	1
19.14	19.17	19.23	19.11	19.04	18.94	19.8	DFT-S $\pi/2$ BPSK	15MHz	1	19
18.96	18.98	19.15	18.90	18.89	18.79	19.8	DFT-S $\pi/2$ BPSK	15MHz	1	36
18.66	18.70	18.73	18.61	18.52	18.40	19.3	DFT-S $\pi/2$ BPSK	15MHz	18	0
19.14	19.18	19.21	19.09	19.00	18.88	19.8	DFT-S $\pi/2$ BPSK	15MHz	18	10
18.64	18.66	18.71	18.60	18.50	18.36	19.3	DFT-S $\pi/2$ BPSK	15MHz	18	20
18.54	18.64	18.63	18.55	18.36	18.29	19.3	DFT-S $\pi/2$ BPSK	15MHz	36	0
19.23	19.27	19.30	19.18	19.09	18.97	19.8	DFT-S QPSK	15MHz	1	1
19.20	19.23	19.29	19.17	19.10	19.00	19.8	DFT-S QPSK	15MHz	1	19
19.02	19.04	19.21	18.96	18.95	18.85	19.8	DFT-S QPSK	15MHz	1	36
18.14	18.21	18.27	18.07	17.96	17.86	18.8	DFT-S QPSK	15MHz	18	0
19.18	19.20	19.24	19.10	19.04	18.94	19.8	DFT-S QPSK	15MHz	18	10
18.21	18.26	18.27	18.14	18.14	18.07	18.8	DFT-S QPSK	15MHz	18	20
18.13	18.17	18.21	18.10	18.04	17.93	18.8	DFT-S QPSK	15MHz	36	0
18.02	18.06	18.14	17.96	17.93	17.85	18.8	DFT-S 16QAM	15MHz	128	0
16.72	16.76	16.79	16.67	16.58	16.46	17.3	DFT-S 64QAM	15MHz	1	1
14.65	14.69	14.72	14.60	14.51	14.39	15.3	DFT-S 256QAM	15MHz	1	1
17.69	17.73	17.76	17.64	17.55	17.43	18.3	CP QPSK	15MHz	1	1

NR Band n77										
Maximum Average Power (dBm)						Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
647000	647000	651500	656000	660500	665000	Channel				
3705	3705	3772.5	3840	3907.5	3975	Freq. (MHz)				
19.11	19.15	19.18	19.06	18.97	18.85	19.8	DFT-S $\pi/2$ BPSK	10MHz	1	1
19.08	19.11	19.17	19.05	18.98	18.88	19.8	DFT-S $\pi/2$ BPSK	10MHz	1	11
18.90	18.92	19.09	18.84	18.83	18.73	19.8	DFT-S $\pi/2$ BPSK	10MHz	1	22
18.60	18.64	18.67	18.55	18.46	18.34	19.3	DFT-S $\pi/2$ BPSK	10MHz	12	0
19.08	19.12	19.15	19.03	18.94	18.82	19.8	DFT-S $\pi/2$ BPSK	10MHz	12	6
18.58	18.60	18.65	18.54	18.44	18.30	19.3	DFT-S $\pi/2$ BPSK	10MHz	12	12
18.48	18.58	18.57	18.49	18.30	18.23	19.3	DFT-S $\pi/2$ BPSK	10MHz	24	0
19.17	19.21	19.24	19.12	19.03	18.91	19.8	DFT-S QPSK	10MHz	1	1
19.14	19.17	19.23	19.11	19.04	18.94	19.8	DFT-S QPSK	10MHz	1	11
18.96	18.98	19.15	18.90	18.89	18.79	19.8	DFT-S QPSK	10MHz	1	22
18.08	18.15	18.21	18.01	17.90	17.80	18.8	DFT-S QPSK	10MHz	12	0
19.12	19.14	19.18	19.04	18.98	18.88	19.8	DFT-S QPSK	10MHz	12	6
18.15	18.20	18.21	18.08	18.08	18.01	18.8	DFT-S QPSK	10MHz	12	12
18.07	18.11	18.15	18.04	17.98	17.87	18.8	DFT-S QPSK	10MHz	24	0
17.96	18.00	18.08	17.90	17.87	17.79	18.8	DFT-S 16QAM	10MHz	128	0
16.66	16.70	16.73	16.61	16.52	16.40	17.3	DFT-S 64QAM	10MHz	1	1
14.59	14.63	14.66	14.54	14.45	14.33	15.3	DFT-S 256QAM	10MHz	1	1
17.63	17.67	17.70	17.58	17.49	17.37	18.3	CP QPSK	10MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
633334	635000	636666	638334	640000	Channel				
3500.01	3525	3549.99	3575.01	3600	Freq. (MHz)				
19.66	19.62	19.48	19.36	19.72	19.8	DFT-S $\pi/2$ BPSK	100MHz	1	1
19.62	19.56	19.46	19.35	19.69	19.8	DFT-S $\pi/2$ BPSK	100MHz	1	137
19.59	19.52	19.38	19.34	19.65	19.8	DFT-S $\pi/2$ BPSK	100MHz	1	271
19.14	19.10	18.96	18.84	19.20	19.3	DFT-S $\pi/2$ BPSK	100MHz	135	0
19.62	19.58	19.44	19.32	19.68	19.8	DFT-S $\pi/2$ BPSK	100MHz	135	69
19.10	19.04	18.94	18.83	19.17	19.3	DFT-S $\pi/2$ BPSK	100MHz	135	138
19.07	19.00	18.86	18.82	19.13	19.3	DFT-S $\pi/2$ BPSK	100MHz	270	0
19.72	19.68	19.54	19.42	19.78	19.8	DFT-S QPSK	100MHz	1	1
19.68	19.62	19.52	19.41	19.75	19.8	DFT-S QPSK	100MHz	1	137
19.65	19.58	19.44	19.40	19.71	19.8	DFT-S QPSK	100MHz	1	271
18.71	18.66	18.54	18.42	18.78	18.8	DFT-S QPSK	100MHz	135	0
19.69	19.66	19.52	19.41	19.71	19.8	DFT-S QPSK	100MHz	135	69
18.70	18.69	18.68	18.55	18.80	18.8	DFT-S QPSK	100MHz	135	138
18.69	18.66	18.61	18.54	18.72	18.8	DFT-S QPSK	100MHz	270	0
18.62	18.60	18.54	18.45	18.69	18.8	DFT-S 16QAM	100MHz	1	1
17.18	17.14	17.00	16.88	17.24	17.3	DFT-S 64QAM	100MHz	1	1
15.15	15.11	14.97	14.85	15.21	15.3	DFT-S 256QAM	100MHz	1	1
18.19	18.15	18.01	17.89	18.25	18.3	CP QPSK	100MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
633000	634834	636666	638500	640332	Channel				
3495	3522.51	3549.99	3577.5	3604.98	Freq. (MHz)				
19.60	19.56	19.42	19.30	19.66	19.8	DFT-S $\pi/2$ BPSK	90MHz	1	1
19.56	19.50	19.40	19.29	19.63	19.8	DFT-S $\pi/2$ BPSK	90MHz	1	123
19.53	19.46	19.32	19.28	19.59	19.8	DFT-S $\pi/2$ BPSK	90MHz	1	243
19.08	19.04	18.90	18.78	19.14	19.3	DFT-S $\pi/2$ BPSK	90MHz	120	0
19.56	19.52	19.38	19.26	19.62	19.8	DFT-S $\pi/2$ BPSK	90MHz	120	63
19.04	18.98	18.88	18.77	19.11	19.3	DFT-S $\pi/2$ BPSK	90MHz	120	125
19.01	18.94	18.80	18.76	19.07	19.3	DFT-S $\pi/2$ BPSK	90MHz	243	0
19.66	19.62	19.48	19.36	19.72	19.8	DFT-S QPSK	90MHz	1	1
19.62	19.56	19.46	19.35	19.69	19.8	DFT-S QPSK	90MHz	1	123
19.59	19.52	19.38	19.34	19.65	19.8	DFT-S QPSK	90MHz	1	243
18.65	18.60	18.48	18.36	18.72	18.8	DFT-S QPSK	90MHz	120	0
19.63	19.60	19.46	19.35	19.65	19.8	DFT-S QPSK	90MHz	120	63
18.64	18.63	18.62	18.49	18.74	18.8	DFT-S QPSK	90MHz	120	125
18.63	18.60	18.55	18.48	18.66	18.8	DFT-S QPSK	90MHz	243	0
18.56	18.54	18.48	18.39	18.63	18.8	DFT-S 16QAM	90MHz	1	1
17.12	17.08	16.94	16.82	17.18	17.3	DFT-S 64QAM	90MHz	1	1
15.09	15.05	14.91	14.79	15.15	15.3	DFT-S 256QAM	90MHz	1	1
18.13	18.09	17.95	17.83	18.19	18.3	CP QPSK	90MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
632668	634666	636666	638666	640666	Channel				
3490.02	3519.99	3549.99	3579.99	3609.99	Freq. (MHz)				
19.56	19.52	19.38	19.26	19.62	19.8	DFT-S $\pi/2$ BPSK	80MHz	1	1
19.52	19.46	19.36	19.25	19.59	19.8	DFT-S $\pi/2$ BPSK	80MHz	1	109
19.49	19.42	19.28	19.24	19.55	19.8	DFT-S $\pi/2$ BPSK	80MHz	1	215
19.04	19.00	18.86	18.74	19.10	19.3	DFT-S $\pi/2$ BPSK	80MHz	108	0
19.52	19.48	19.34	19.22	19.58	19.8	DFT-S $\pi/2$ BPSK	80MHz	108	55
19.00	18.94	18.84	18.73	19.07	19.3	DFT-S $\pi/2$ BPSK	80MHz	108	109
18.97	18.90	18.76	18.72	19.03	19.3	DFT-S $\pi/2$ BPSK	80MHz	216	0
19.62	19.58	19.44	19.32	19.68	19.8	DFT-S QPSK	80MHz	1	1
19.58	19.52	19.42	19.31	19.65	19.8	DFT-S QPSK	80MHz	1	109
19.55	19.48	19.34	19.30	19.61	19.8	DFT-S QPSK	80MHz	1	215
18.61	18.56	18.44	18.32	18.68	18.8	DFT-S QPSK	80MHz	108	0
19.59	19.56	19.42	19.31	19.61	19.8	DFT-S QPSK	80MHz	108	55
18.60	18.59	18.58	18.45	18.70	18.8	DFT-S QPSK	80MHz	108	109
18.59	18.56	18.51	18.44	18.62	18.8	DFT-S QPSK	80MHz	216	0
18.52	18.50	18.44	18.35	18.59	18.8	DFT-S 16QAM	80MHz	1	1
17.08	17.04	16.90	16.78	17.14	17.3	DFT-S 64QAM	80MHz	1	1
15.05	15.01	14.87	14.75	15.11	15.3	DFT-S 256QAM	80MHz	1	1
18.09	18.05	17.91	17.79	18.15	18.3	CP QPSK	80MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
632334	634500	636666	638834	641000	Channel				
3485.01	3517.5	3549.99	3582.51	3615	Freq. (MHz)				
19.54	19.50	19.36	19.24	19.60	19.8	DFT-S $\pi/2$ BPSK	70MHz	1	1
19.50	19.44	19.34	19.23	19.57	19.8	DFT-S $\pi/2$ BPSK	70MHz	1	95
19.47	19.40	19.26	19.22	19.53	19.8	DFT-S $\pi/2$ BPSK	70MHz	1	187
19.02	18.98	18.84	18.72	19.08	19.3	DFT-S $\pi/2$ BPSK	70MHz	90	0
19.50	19.46	19.32	19.20	19.56	19.8	DFT-S $\pi/2$ BPSK	70MHz	90	50
18.98	18.92	18.82	18.71	19.05	19.3	DFT-S $\pi/2$ BPSK	70MHz	90	99
18.95	18.88	18.74	18.70	19.01	19.3	DFT-S $\pi/2$ BPSK	70MHz	180	0
19.60	19.56	19.42	19.30	19.66	19.8	DFT-S QPSK	70MHz	1	1
19.56	19.50	19.40	19.29	19.63	19.8	DFT-S QPSK	70MHz	1	95
19.53	19.46	19.32	19.28	19.59	19.8	DFT-S QPSK	70MHz	1	187
18.59	18.54	18.42	18.30	18.66	18.8	DFT-S QPSK	70MHz	90	0
19.57	19.54	19.40	19.29	19.59	19.8	DFT-S QPSK	70MHz	90	50
18.58	18.57	18.56	18.43	18.68	18.8	DFT-S QPSK	70MHz	90	99
18.57	18.54	18.49	18.42	18.60	18.8	DFT-S QPSK	70MHz	180	0
18.50	18.48	18.42	18.33	18.57	18.8	DFT-S 16QAM	70MHz	1	1
17.06	17.02	16.88	16.76	17.12	17.3	DFT-S 64QAM	70MHz	1	1
15.03	14.99	14.85	14.73	15.09	15.3	DFT-S 256QAM	70MHz	1	1
18.07	18.03	17.89	17.77	18.13	18.3	CP QPSK	70MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
632000	634334	636666	639000	641332	Channel				
3480	3515.01	3549.99	3585	3619.98	Freq. (MHz)				
19.50	19.46	19.32	19.20	19.56	19.8	DFT-S $\pi/2$ BPSK	60MHz	1	1
19.46	19.40	19.30	19.19	19.53	19.8	DFT-S $\pi/2$ BPSK	60MHz	1	81
19.43	19.36	19.22	19.18	19.49	19.8	DFT-S $\pi/2$ BPSK	60MHz	1	160
18.98	18.94	18.80	18.68	19.04	19.3	DFT-S $\pi/2$ BPSK	60MHz	81	0
19.46	19.42	19.28	19.16	19.52	19.8	DFT-S $\pi/2$ BPSK	60MHz	81	41
18.94	18.88	18.78	18.67	19.01	19.3	DFT-S $\pi/2$ BPSK	60MHz	81	81
18.91	18.84	18.70	18.66	18.97	19.3	DFT-S $\pi/2$ BPSK	60MHz	162	0
19.56	19.52	19.38	19.26	19.62	19.8	DFT-S QPSK	60MHz	1	1
19.52	19.46	19.36	19.25	19.59	19.8	DFT-S QPSK	60MHz	1	81
19.49	19.42	19.28	19.24	19.55	19.8	DFT-S QPSK	60MHz	1	160
18.55	18.50	18.38	18.26	18.62	18.8	DFT-S QPSK	60MHz	81	0
19.53	19.50	19.36	19.25	19.55	19.8	DFT-S QPSK	60MHz	81	41
18.54	18.53	18.52	18.39	18.64	18.8	DFT-S QPSK	60MHz	81	81
18.53	18.50	18.45	18.38	18.56	18.8	DFT-S QPSK	60MHz	162	0
18.46	18.44	18.38	18.29	18.53	18.8	DFT-S 16QAM	60MHz	1	1
17.02	16.98	16.84	16.72	17.08	17.3	DFT-S 64QAM	60MHz	1	1
14.99	14.95	14.81	14.69	15.05	15.3	DFT-S 256QAM	60MHz	1	1
18.03	17.99	17.85	17.73	18.09	18.3	CP QPSK	60MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
631668	634166	636666	639166	641666	Channel				
3475.02	3512.49	3549.99	3587.49	3624.99	Freq. (MHz)				
19.48	19.44	19.30	19.18	19.54	19.8	DFT-S $\pi/2$ BPSK	50MHz	1	1
19.44	19.38	19.28	19.17	19.51	19.8	DFT-S $\pi/2$ BPSK	50MHz	1	67
19.41	19.34	19.20	19.16	19.47	19.8	DFT-S $\pi/2$ BPSK	50MHz	1	131
18.96	18.92	18.78	18.66	19.02	19.3	DFT-S $\pi/2$ BPSK	50MHz	64	0
19.44	19.40	19.26	19.14	19.50	19.8	DFT-S $\pi/2$ BPSK	50MHz	64	35
18.92	18.86	18.76	18.65	18.99	19.3	DFT-S $\pi/2$ BPSK	50MHz	64	69
18.89	18.82	18.68	18.64	18.95	19.3	DFT-S $\pi/2$ BPSK	50MHz	128	0
19.54	19.50	19.36	19.24	19.60	19.8	DFT-S QPSK	50MHz	1	1
19.50	19.44	19.34	19.23	19.57	19.8	DFT-S QPSK	50MHz	1	1
19.47	19.40	19.26	19.22	19.53	19.8	DFT-S QPSK	50MHz	1	67
18.53	18.48	18.36	18.24	18.60	18.8	DFT-S QPSK	50MHz	1	131
19.51	19.48	19.34	19.23	19.53	19.8	DFT-S QPSK	50MHz	64	0
18.52	18.51	18.50	18.37	18.62	18.8	DFT-S QPSK	50MHz	64	35
18.51	18.48	18.43	18.36	18.54	18.8	DFT-S QPSK	50MHz	64	69
18.44	18.42	18.36	18.27	18.51	18.8	DFT-S 16QAM	50MHz	128	0
17.00	16.96	16.82	16.70	17.06	17.3	DFT-S 64QAM	50MHz	1	1
14.97	14.93	14.79	14.67	15.03	15.3	DFT-S 256QAM	50MHz	1	1
18.01	17.97	17.83	17.71	18.07	18.3	CP QPSK	50MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
631334	634000	636666	639334	642000	Channel				
3470.01	3510	3549.99	3590.01	3630	Freq. (MHz)				
19.43	19.39	19.25	19.13	19.49	19.8	DFT-S $\pi/2$ BPSK	40MHz	1	1
19.39	19.33	19.23	19.12	19.46	19.8	DFT-S $\pi/2$ BPSK	40MHz	1	53
19.36	19.29	19.15	19.11	19.42	19.8	DFT-S $\pi/2$ BPSK	40MHz	1	104
18.91	18.87	18.73	18.61	18.97	19.3	DFT-S $\pi/2$ BPSK	40MHz	50	0
19.39	19.35	19.21	19.09	19.45	19.8	DFT-S $\pi/2$ BPSK	40MHz	50	28
18.87	18.81	18.71	18.60	18.94	19.3	DFT-S $\pi/2$ BPSK	40MHz	50	56
18.84	18.77	18.63	18.59	18.90	19.3	DFT-S $\pi/2$ BPSK	40MHz	100	0
19.49	19.45	19.31	19.19	19.55	19.8	DFT-S QPSK	40MHz	1	1
19.45	19.39	19.29	19.18	19.52	19.8	DFT-S QPSK	40MHz	1	53
19.42	19.35	19.21	19.17	19.48	19.8	DFT-S QPSK	40MHz	1	104
18.48	18.43	18.31	18.19	18.55	18.8	DFT-S QPSK	40MHz	50	0
19.46	19.43	19.29	19.18	19.48	19.8	DFT-S QPSK	40MHz	50	28
18.47	18.46	18.45	18.32	18.57	18.8	DFT-S QPSK	40MHz	50	56
18.46	18.43	18.38	18.31	18.49	18.8	DFT-S QPSK	40MHz	100	0
18.39	18.37	18.31	18.22	18.46	18.8	DFT-S 16QAM	40MHz	128	0
16.95	16.91	16.77	16.65	17.01	17.3	DFT-S 64QAM	40MHz	1	1
14.92	14.88	14.74	14.62	14.98	15.3	DFT-S 256QAM	40MHz	1	1
17.96	17.92	17.78	17.66	18.02	18.3	CP QPSK	40MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
631000	633834	636666	639500	642332	Channel				
3465	3507.51	3549.99	3592.5	3634.98	Freq. (MHz)				
19.40	19.36	19.22	19.10	19.46	19.8	DFT-S $\pi/2$ BPSK	30MHz	1	1
19.36	19.30	19.20	19.09	19.43	19.8	DFT-S $\pi/2$ BPSK	30MHz	1	39
19.33	19.26	19.12	19.08	19.39	19.8	DFT-S $\pi/2$ BPSK	30MHz	1	76
18.88	18.84	18.70	18.58	18.94	19.3	DFT-S $\pi/2$ BPSK	30MHz	36	0
19.36	19.32	19.18	19.06	19.42	19.8	DFT-S $\pi/2$ BPSK	30MHz	36	21
18.84	18.78	18.68	18.57	18.91	19.3	DFT-S $\pi/2$ BPSK	30MHz	36	42
18.81	18.74	18.60	18.56	18.87	19.3	DFT-S $\pi/2$ BPSK	30MHz	75	0
19.46	19.42	19.28	19.16	19.52	19.8	DFT-S QPSK	30MHz	1	1
19.42	19.36	19.26	19.15	19.49	19.8	DFT-S QPSK	30MHz	1	39
19.39	19.32	19.18	19.14	19.45	19.8	DFT-S QPSK	30MHz	1	76
18.45	18.40	18.28	18.16	18.52	18.8	DFT-S QPSK	30MHz	36	0
19.43	19.40	19.26	19.15	19.45	19.8	DFT-S QPSK	30MHz	36	21
18.44	18.43	18.42	18.29	18.54	18.8	DFT-S QPSK	30MHz	36	42
18.43	18.40	18.35	18.28	18.46	18.8	DFT-S QPSK	30MHz	75	0
18.36	18.34	18.28	18.19	18.43	18.8	DFT-S 16QAM	30MHz	128	0
16.92	16.88	16.74	16.62	16.98	17.3	DFT-S 64QAM	30MHz	1	1
14.89	14.85	14.71	14.59	14.95	15.3	DFT-S 256QAM	30MHz	1	1
17.93	17.89	17.75	17.63	17.99	18.3	CP QPSK	30MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
630834	633750	636666	639584	642500	Channel				
3462.51	3506.25	3549.99	3593.76	3637.5	Freq. (MHz)				
19.36	19.32	19.18	19.06	19.42	19.8	DFT-S $\pi/2$ BPSK	25MHz	1	1
19.32	19.26	19.16	19.05	19.39	19.8	DFT-S $\pi/2$ BPSK	25MHz	1	33
19.29	19.22	19.08	19.04	19.35	19.8	DFT-S $\pi/2$ BPSK	25MHz	1	63
18.84	18.80	18.66	18.54	18.90	19.3	DFT-S $\pi/2$ BPSK	25MHz	32	0
19.32	19.28	19.14	19.02	19.38	19.8	DFT-S $\pi/2$ BPSK	25MHz	32	17
18.80	18.74	18.64	18.53	18.87	19.3	DFT-S $\pi/2$ BPSK	25MHz	32	33
18.77	18.70	18.56	18.52	18.83	19.3	DFT-S $\pi/2$ BPSK	25MHz	64	0
19.42	19.38	19.24	19.12	19.48	19.8	DFT-S QPSK	25MHz	1	1
19.38	19.32	19.22	19.11	19.45	19.8	DFT-S QPSK	25MHz	1	33
19.35	19.28	19.14	19.10	19.41	19.8	DFT-S QPSK	25MHz	1	63
18.41	18.36	18.24	18.12	18.48	18.8	DFT-S QPSK	25MHz	32	0
19.39	19.36	19.22	19.11	19.41	19.8	DFT-S QPSK	25MHz	32	17
18.40	18.39	18.38	18.25	18.50	18.8	DFT-S QPSK	25MHz	32	33
18.39	18.36	18.31	18.24	18.42	18.8	DFT-S QPSK	25MHz	64	0
18.32	18.30	18.24	18.15	18.39	18.8	DFT-S 16QAM	25MHz	128	0
16.88	16.84	16.70	16.58	16.94	17.3	DFT-S 64QAM	25MHz	1	1
14.85	14.81	14.67	14.55	14.91	15.3	DFT-S 256QAM	25MHz	1	1
17.89	17.85	17.71	17.59	17.95	18.3	CP QPSK	25MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
630668	633666	636666	639666	642666	Channel				
3460.02	3504.99	3549.99	3594.99	3639.99	Freq. (MHz)				
19.35	19.31	19.17	19.05	19.41	19.8	DFT-S $\pi/2$ BPSK	20MHz	1	1
19.31	19.25	19.15	19.04	19.38	19.8	DFT-S $\pi/2$ BPSK	20MHz	1	26
19.28	19.21	19.07	19.03	19.34	19.8	DFT-S $\pi/2$ BPSK	20MHz	1	49
18.83	18.79	18.65	18.53	18.89	19.3	DFT-S $\pi/2$ BPSK	20MHz	25	0
19.31	19.27	19.13	19.01	19.37	19.8	DFT-S $\pi/2$ BPSK	20MHz	25	13
18.79	18.73	18.63	18.52	18.86	19.3	DFT-S $\pi/2$ BPSK	20MHz	25	26
18.76	18.69	18.55	18.51	18.82	19.3	DFT-S $\pi/2$ BPSK	20MHz	50	0
19.41	19.37	19.23	19.11	19.47	19.8	DFT-S QPSK	20MHz	1	1
19.37	19.31	19.21	19.10	19.44	19.8	DFT-S QPSK	20MHz	1	26
19.34	19.27	19.13	19.09	19.40	19.8	DFT-S QPSK	20MHz	1	49
18.40	18.35	18.23	18.11	18.47	18.8	DFT-S QPSK	20MHz	25	0
19.38	19.35	19.21	19.10	19.40	19.8	DFT-S QPSK	20MHz	25	13
18.39	18.38	18.37	18.24	18.49	18.8	DFT-S QPSK	20MHz	25	26
18.38	18.35	18.30	18.23	18.41	18.8	DFT-S QPSK	20MHz	50	0
18.31	18.29	18.23	18.14	18.38	18.8	DFT-S 16QAM	20MHz	128	0
16.87	16.83	16.69	16.57	16.93	17.3	DFT-S 64QAM	20MHz	1	1
14.84	14.80	14.66	14.54	14.90	15.3	DFT-S 256QAM	20MHz	1	1
17.88	17.84	17.70	17.58	17.94	18.3	CP QPSK	20MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
630500	633584	636666	639750	642832	Channel				
3457.5	3503.76	3549.99	3596.25	3642.48	Freq. (MHz)				
19.29	19.25	19.11	18.99	19.35	19.8	DFT-S $\pi/2$ BPSK	15MHz	1	1
19.25	19.19	19.09	18.98	19.32	19.8	DFT-S $\pi/2$ BPSK	15MHz	1	19
19.22	19.15	19.01	18.97	19.28	19.8	DFT-S $\pi/2$ BPSK	15MHz	1	36
18.77	18.73	18.59	18.47	18.83	19.3	DFT-S $\pi/2$ BPSK	15MHz	18	0
19.25	19.21	19.07	18.95	19.31	19.8	DFT-S $\pi/2$ BPSK	15MHz	18	10
18.73	18.67	18.57	18.46	18.80	19.3	DFT-S $\pi/2$ BPSK	15MHz	18	20
18.70	18.63	18.49	18.45	18.76	19.3	DFT-S $\pi/2$ BPSK	15MHz	36	0
19.35	19.31	19.17	19.05	19.41	19.8	DFT-S QPSK	15MHz	1	1
19.31	19.25	19.15	19.04	19.38	19.8	DFT-S QPSK	15MHz	1	19
19.28	19.21	19.07	19.03	19.34	19.8	DFT-S QPSK	15MHz	1	36
18.34	18.29	18.17	18.05	18.41	18.8	DFT-S QPSK	15MHz	18	0
19.32	19.29	19.15	19.04	19.34	19.8	DFT-S QPSK	15MHz	18	10
18.33	18.32	18.31	18.18	18.43	18.8	DFT-S QPSK	15MHz	18	20
18.32	18.29	18.24	18.17	18.35	18.8	DFT-S QPSK	15MHz	36	0
18.25	18.23	18.17	18.08	18.32	18.8	DFT-S 16QAM	15MHz	128	0
16.81	16.77	16.63	16.51	16.87	17.3	DFT-S 64QAM	15MHz	1	1
14.78	14.74	14.60	14.48	14.84	15.3	DFT-S 256QAM	15MHz	1	1
17.82	17.78	17.64	17.52	17.88	18.3	CP QPSK	15MHz	1	1

NR Band n77									
Maximum Average Power (dBm)					Tune up (dBm)	Modulation	Bandwidth	# of Resource Blocks	Resource Block Offset
630334	633500	636666	639834	643000	Channel				
3455.01	3502.5	3549.99	3597.51	3645	Freq. (MHz)				
19.26	19.22	19.08	18.96	19.32	19.8	DFT-S $\pi/2$ BPSK	10MHz	1	1
19.22	19.16	19.06	18.95	19.29	19.8	DFT-S $\pi/2$ BPSK	10MHz	1	11
19.19	19.12	18.98	18.94	19.25	19.8	DFT-S $\pi/2$ BPSK	10MHz	1	22
18.74	18.70	18.56	18.44	18.80	19.3	DFT-S $\pi/2$ BPSK	10MHz	12	0
19.22	19.18	19.04	18.92	19.28	19.8	DFT-S $\pi/2$ BPSK	10MHz	12	6
18.70	18.64	18.54	18.43	18.77	19.3	DFT-S $\pi/2$ BPSK	10MHz	12	12
18.67	18.60	18.46	18.42	18.73	19.3	DFT-S $\pi/2$ BPSK	10MHz	24	0
19.32	19.28	19.14	19.02	19.38	19.8	DFT-S QPSK	10MHz	1	1
19.28	19.22	19.12	19.01	19.35	19.8	DFT-S QPSK	10MHz	1	11
19.25	19.18	19.04	19.00	19.31	19.8	DFT-S QPSK	10MHz	1	22
18.31	18.26	18.14	18.02	18.38	18.8	DFT-S QPSK	10MHz	12	0
19.29	19.26	19.12	19.01	19.31	19.8	DFT-S QPSK	10MHz	12	6
18.30	18.29	18.28	18.15	18.40	18.8	DFT-S QPSK	10MHz	12	12
18.29	18.26	18.21	18.14	18.32	18.8	DFT-S QPSK	10MHz	24	0
18.22	18.20	18.14	18.05	18.29	18.8	DFT-S 16QAM	10MHz	128	0
16.78	16.74	16.60	16.48	16.84	17.3	DFT-S 64QAM	10MHz	1	1
14.75	14.71	14.57	14.45	14.81	15.3	DFT-S 256QAM	10MHz	1	1
17.79	17.75	17.61	17.49	17.85	18.3	CP QPSK	10MHz	1	1

WLAN 2.4 GHz										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11b	1	2412	18.40	18.50	17.35	17.50	0.00	0.00	0.00	0.00
	6	2437	18.44	18.50	17.44	17.50	0.00	0.00	0.00	0.00
	11	2462	18.36	18.50	17.25	17.50	0.00	0.00	0.00	0.00
	12	2467	18.42	18.50	15.44	15.50	0.00	0.00	0.00	0.00
	13	2472	15.44	15.50	15.34	15.50	0.00	0.00	0.00	0.00
802.11g	1	2412	18.39	18.50	15.41	15.50	0.00	0.00	0.00	0.00
	6	2437	18.41	18.50	17.38	17.50	0.00	0.00	0.00	0.00
	11	2462	18.40	18.50	14.89	15.00	0.00	0.00	0.00	0.00
	12	2467	15.45	15.50	11.93	12.00	0.00	0.00	0.00	0.00
	13	2472	11.40	11.50	8.44	8.50	0.00	0.00	0.00	0.00
802.11n HT20	1	2412	18.37	18.50	14.85	15.00	7.12	7.08	10.11	10.50
	6	2437	18.37	18.50	16.97	17.00	10.98	10.91	13.96	14.00
	11	2462	17.78	18.00	13.91	14.00	8.30	8.26	11.29	11.50
	12	2467	14.91	15.00	11.44	11.50	3.34	3.26	6.31	6.50
	13	2472	11.36	11.50	7.80	8.00	0.92	0.90	3.92	4.00
802.11n HT40	3	2422	15.93	16.00	12.39	12.50	6.28	6.21	9.26	9.50
	6	2437	16.88	17.00	13.34	13.50	6.41	6.38	9.41	10.00
	9	2452	15.87	16.00	12.46	12.50	5.77	5.64	8.72	9.00
	10	2457	10.42	10.50	6.84	7.00	0.00	0.00	2.90	3.00
	11	2462	10.89	11.00	7.33	7.50	0.96	0.95	3.97	4.00
802.11ax HE20	1	2412	17.32	17.50	13.88	14.50	7.33	7.35	10.35	10.50
	6	2437	18.40	18.50	16.79	17.50	11.32	11.35	14.35	14.50
	11	2462	17.89	18.00	13.92	14.50	7.34	7.44	10.41	10.50
	12	2467	14.77	15.00	11.10	12.00	3.88	3.92	6.92	7.00
	13	2472	8.02	9.00	4.71	5.50	0.15	0.11	2.95	3.00
802.11ax HE40	3	2422	15.10	16.00	11.64	12.50	6.78	6.83	9.82	10.00
	6	2437	16.65	17.00	12.58	13.50	6.81	6.86	9.85	10.00
	9	2452	15.23	16.00	11.43	12.50	5.96	5.82	8.90	9.00
	10	2457	10.72	11.00	7.03	7.50	1.06	1.03	4.06	4.50
	11	2462	8.44	9.00	4.76	5.50	0.00	0.00	2.30	2.50

WLAN 5.2 GHz										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11a	36	5180	14.34	15.00	19.32	19.50	0.00	0.00	0.00	0.00
	40	5200	14.61	15.00	19.25	19.50	0.00	0.00	0.00	0.00
	44	5220	14.81	15.00	19.30	19.50	0.00	0.00	0.00	0.00
	48	5240	14.76	15.00	19.14	19.50	0.00	0.00	0.00	0.00
802.11n HT20	36	5180	14.63	15.00	19.40	19.50	16.24	16.37	19.32	19.50
	40	5200	14.49	15.00	19.26	19.50	16.35	16.33	19.35	19.50
	44	5220	14.86	15.00	19.33	19.50	16.27	16.22	19.26	19.50
	48	5240	14.77	15.00	19.09	19.50	16.38	16.44	19.42	19.50
802.11n HT40	38	5190	14.83	15.00	19.12	19.50	15.89	15.77	18.84	19.00
	46	5230	14.66	15.00	19.28	19.50	17.35	17.41	20.39	20.50
802.11ac VHT80	42	5210	14.95	15.00	19.48	19.50	15.32	15.40	18.37	19.00
802.11ax HE20	36	5180	14.65	15.00	19.33	19.50	16.78	16.85	19.83	20.00
	40	5200	14.85	15.00	19.21	19.50	17.37	17.21	20.30	20.50
	44	5220	14.72	15.00	19.10	19.50	17.22	17.36	20.30	20.50
	48	5240	14.69	15.00	19.16	19.50	17.40	17.19	20.31	20.50
802.11ax HE40	38	5190	14.56	15.00	19.42	19.50	15.32	15.41	18.38	18.50
	46	5230	14.54	15.00	19.37	19.50	17.40	17.50	20.46	20.50
802.11ax HE80	42	5210	14.79	15.00	19.29	19.50	15.32	15.27	18.31	18.50

WLAN 5.3 GHz										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11a	52	5260	14.22	15.50	10.08	10.50	0.00	0.00	0.00	0.00
	56	5280	14.82	15.50	10.28	10.50	0.00	0.00	0.00	0.00
	60	5300	15.36	15.50	10.12	10.50	0.00	0.00	0.00	0.00
	64	5320	14.05	15.50	10.07	10.50	0.00	0.00	0.00	0.00
802.11n HT20	52	5260	13.59	15.50	10.03	10.50	9.39	9.19	12.30	12.50
	56	5280	14.38	15.50	10.32	10.50	9.21	9.16	12.20	12.50
	60	5300	13.99	15.50	10.12	10.50	9.22	9.38	12.31	12.50
	64	5320	14.86	15.50	10.01	10.50	9.28	9.22	12.26	12.50
802.11n HT40	54	5270	15.46	15.50	10.43	10.50	10.25	10.32	13.30	13.50
	62	5310	15.42	15.50	8.95	9.00	8.34	8.45	11.41	11.50
802.11ac VHT80	58	5290	14.42	15.00	8.37	9.00	5.77	5.61	8.70	8.90
802.11ac VHT160	50	5250	14.26	15.00	7.29	7.50	5.50	5.48	8.50	8.70
802.11ax HE20	52	5260	14.51	15.50	10.05	10.50	10.16	10.29	13.24	13.50
	56	5280	14.62	15.50	10.26	10.50	10.20	10.11	13.17	13.50
	60	5300	14.07	15.50	10.12	10.50	9.63	9.81	12.73	13.00
	64	5320	15.27	15.50	10.14	10.50	8.35	8.43	11.40	11.50
802.11ax HE40	54	5270	14.66	15.50	10.21	10.50	10.25	10.09	13.18	13.50
	62	5310	15.06	15.50	8.66	9.00	9.21	9.27	12.25	12.50
802.11ax HE80	58	5290	14.77	15.00	8.49	9.00	8.44	8.27	11.37	11.50
802.11ax HE160	50	5250	14.84	15.00	6.64	7.00	5.87	5.63	8.76	9.00

WLAN 5.6 GHz										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11a	100	5500	16.24	16.50	9.79	10.00	0.00	0.00	0.00	0.00
	116	5580	16.23	16.50	9.65	10.00	0.00	0.00	0.00	0.00
	124	5620	16.37	16.50	9.55	10.00	0.00	0.00	0.00	0.00
	132	5660	16.18	16.50	9.71	10.00	0.00	0.00	0.00	0.00
	140	5700	16.16	16.50	9.61	10.00	0.00	0.00	0.00	0.00
	144	5720	16.15	16.50	9.59	10.00	0.00	0.00	0.00	0.00
802.11n HT20	100	5500	16.21	16.50	9.75	10.00	7.18	7.32	10.26	10.50
	116	5580	16.13	16.50	9.63	10.00	7.22	7.21	10.23	10.50
	124	5620	16.15	16.50	9.76	10.00	7.17	7.19	10.19	10.50
	132	5660	16.16	16.50	9.57	10.00	7.23	7.30	10.28	10.50
	140	5700	16.31	16.50	9.74	10.00	7.22	7.31	10.28	10.50
	144	5720	16.19	16.50	9.76	10.00	6.27	6.33	9.31	9.50
802.11n HT40	102	5510	16.28	16.50	9.55	10.00	6.32	6.45	9.40	9.50
	110	5550	16.12	16.50	9.55	10.00	7.88	7.92	10.91	11.00
	126	5630	16.36	16.50	9.69	10.00	7.82	7.91	10.88	11.00
	134	5670	16.37	16.50	9.74	10.00	6.78	6.95	9.88	10.00
	142	5710	16.28	16.50	9.64	10.00	6.82	6.97	9.91	10.00
802.11ac VHT80	106	5530	16.44	16.50	9.87	10.00	6.74	6.55	9.66	10.00
	122	5610	16.42	16.50	9.85	10.00	6.74	6.54	9.65	10.00
	138	5690	16.40	16.50	9.81	10.00	6.61	6.55	9.59	10.00
802.11ax HE20	100	5500	16.24	16.50	9.77	10.00	7.36	7.31	10.35	10.50
	116	5580	16.10	16.50	9.78	10.00	7.29	7.30	10.31	10.50
	124	5620	16.27	16.50	9.78	10.00	7.22	7.25	10.22	10.50
	132	5660	16.34	16.50	9.75	10.00	0.40	0.43	3.43	3.50
	140	5700	16.25	16.50	9.78	10.00	5.77	5.82	8.81	9.00
	144	5720	16.11	16.50	9.63	10.00	6.23	6.11	9.18	9.50
802.11ax HE40	102	5510	16.13	16.50	9.73	10.00	6.33	6.20	9.28	9.50
	110	5550	16.24	16.50	9.68	10.00	7.40	7.17	10.30	10.50
	126	5630	16.38	16.50	9.55	10.00	7.40	7.16	10.30	10.50
	134	5670	16.25	16.50	9.74	10.00	7.25	7.37	10.32	10.50
	142	5710	16.30	16.50	9.77	10.00	7.22	7.40	10.32	10.50
802.11ax HE80	106	5530	16.37	16.50	9.60	10.00	6.88	6.66	9.78	10.00
	122	5610	16.16	16.50	9.71	10.00	6.88	6.65	9.77	10.00

WLAN 5.8 GHz										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11a	149	5745	15.18	15.50	8.83	9.00	0.00	0.00	0.00	0.00
	157	5785	15.16	15.50	8.74	9.00	0.00	0.00	0.00	0.00
	165	5825	15.21	15.50	8.65	9.00	0.00	0.00	0.00	0.00
802.11n HT20	149	5745	15.37	15.50	8.79	9.00	5.39	5.54	8.48	8.50
	157	5785	15.24	15.50	8.85	9.00	5.32	5.23	8.29	8.50
	165	5825	15.39	15.50	8.66	9.00	5.41	5.33	8.38	8.50
802.11n HT40	151	5755	15.45	15.50	8.95	9.00	5.21	5.54	8.39	8.50
	159	5795	15.32	15.50	8.84	9.00	5.64	5.31	8.49	8.50
802.11ac VHT80	155	5775	14.91	15.00	8.45	8.50	4.32	4.11	7.23	7.50
802.11ax HE20	149	5745	15.19	15.50	8.75	9.00	5.32	5.42	8.42	8.50
	157	5785	15.40	15.50	8.62	9.00	5.34	5.41	8.40	8.50
	165	5825	15.33	15.50	8.67	9.00	5.82	5.98	8.91	9.00
802.11ax HE40	151	5755	15.16	15.50	8.76	9.00	5.40	5.27	8.35	8.50
	159	5795	15.37	15.50	8.68	9.00	5.21	5.47	8.35	8.50
802.11ax HE80	155	5775	14.87	15.00	8.29	8.50	5.31	5.34	8.34	8.50

U-NII 5										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11ax HE20	1	5955	4.91	5.00	4.92	5.00	1.88	1.76	4.83	5.00
	45	6175	4.99	5.00	4.91	5.00	1.91	1.82	4.88	5.00
	93	6415	4.89	5.00	4.98	5.00	1.78	1.72	4.76	5.00
802.11ax HE40	3	5965	7.99	8.00	7.67	8.00	2.85	2.83	5.85	6.00
	43	6165	7.88	8.00	7.81	8.00	2.84	2.80	5.83	6.00
	91	6405	7.85	8.00	7.63	8.00	2.87	2.76	5.83	6.00
802.11ax HE80	7	5985	10.47	10.50	6.28	6.50	2.85	2.80	5.84	6.00
	39	6145	10.46	10.50	6.42	6.50	2.88	2.77	5.84	6.00
	87	6385	9.97	10.00	5.94	6.00	2.75	2.82	5.80	6.00
802.11ax HE160	15	6025	12.89	13.00	8.72	9.00	2.90	2.91	5.95	6.00
	47	6185	12.95	13.00	8.62	9.00	2.95	2.98	5.98	6.00
	79	6345	12.98	13.00	8.61	9.00	2.85	2.88	5.88	6.00

U-NII 6										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11ax HE20	97	6435	4.95	5.00	4.83	5.00	1.74	1.80	4.78	5.00
	105	6475	4.98	5.00	4.73	5.00	1.93	1.83	4.89	5.00
	113	6515	4.85	5.00	4.96	5.00	1.77	1.86	4.83	5.00
802.11ax HE40	99	6445	7.92	8.00	7.45	8.00	4.79	4.92	7.87	8.00
	107	6485	7.95	8.00	7.66	8.00	4.85	4.94	7.91	8.00
802.11ax HE80	103	6465	10.44	10.50	5.26	6.50	6.61	6.70	9.67	10.00
	119	6545	10.48	10.50	5.41	6.50	6.74	6.82	9.79	10.00
802.11ax HE160	111	6505	12.95	13.00	8.92	9.00	6.72	6.85	9.78	10.00

U-NII 7										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11ax HE20	117	6535	4.99	5.00	4.84	5.00	1.90	1.81	4.87	5.00
	149	6695	4.81	5.00	4.93	5.00	1.84	1.92	4.89	5.00
	181	6855	4.96	5.00	4.73	5.00	1.77	1.88	4.84	5.00
802.11ax HE40	115	6525	7.92	8.00	7.66	8.00	4.78	4.68	7.74	8.00
	147	6685	7.88	8.00	7.61	8.00	4.56	4.76	7.67	8.00
	179	6845	7.91	8.00	7.78	8.00	4.66	4.60	7.64	8.00
802.11ax HE80	135	6625	9.89	10.00	6.44	7.00	3.30	3.48	6.40	6.50
	151	6705	9.77	10.00	6.37	7.00	3.25	3.34	6.31	6.50
	167	6785	9.95	10.00	6.30	7.00	3.42	3.27	6.36	6.50
	183	6865	9.92	10.00	6.45	7.00	3.39	3.33	6.37	6.50
802.11ax HE160	143	6665	12.42	12.50	9.48	9.50	6.41	6.44	9.44	9.50
	175	6825	12.41	12.50	9.33	9.50	6.40	6.32	9.37	9.50

U-NII 8										
Mode	Channel	Frequency (MHz)	Main		Aux		MIMO			
			Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm) SISO A	Average power (dBm) SISO B	Average power (dBm) MIMO	Tune-Up Limit
802.11ax HE20	185	6875	4.82	5.00	4.68	5.00	1.76	1.86	4.82	5.00
	209	6995	4.71	5.00	4.72	5.00	1.66	1.94	4.81	5.00
	233	7115	0.90	1.00	0.83	1.00	0.00	0.00	0.93	1.00
802.11ax HE40	187	6885	7.87	8.00	7.67	8.00	4.63	4.77	7.71	8.00
	211	7005	7.82	8.00	7.66	8.00	4.61	4.71	7.69	8.00
	227	7085	7.92	8.00	7.88	8.00	4.70	4.82	7.77	8.00
802.11ax HE80	199	6945	10.45	10.50	6.94	7.00	3.33	3.44	6.40	6.50
	215	7025	10.44	10.50	6.79	7.00	3.46	3.28	6.38	6.50
802.11ax HE160	207	6985	12.97	13.00	9.42	9.50	3.92	3.88	6.88	7.00

BT 2.0 / 3.0					
Mode		Channel	Frequency (MHz)	Aux	
				Average power (dBm)	Tune-Up Limit
BR / EDR	1Mbps (GFSK)	0	2402	9.41	10.50
		39	2441	9.44	10.50
		78	2480	9.38	10.50
	2Mbps ($\pi/4$ DQPSK)	0	2402	7.72	8.00
		39	2441	7.85	8.00
		78	2480	7.71	8.00
	3Mbps (8-DPSK)	0	2402	7.11	8.00
		39	2441	7.17	8.00
		78	2480	7.10	8.00

BT 4.0 / 5.0					
Mode		Channel	Frequency (MHz)	Aux	
				Average power (dBm)	Tune-Up Limit
LE	1Mbps (GFSK)	0	2402	8.81	9.00
		19	2440	8.82	9.00
		39	2480	8.72	9.00
	2Mbps ($\pi/4$ DQPSK)	1	2404	8.70	9.00
		19	2440	8.79	9.00
		38	2478	8.66	9.00