



REPORT No.: SZ21110383S01

Annex E Conducted Power

Full Power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	TX Channel	128	189		251	128	189		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	32.33	32.33	32.34	33.50	23.33	23.33	23.34	24.50	0.02
GPRS 1 Tx slot	32.33	32.35	32.33	33.50	23.33	23.35	23.33	24.50	
GPRS 2 Tx slots	30.54	30.56	30.49	31.50	24.54	24.56	24.49	25.50	0.07
GPRS 3 Tx slots	28.50	28.51	28.54	29.50	24.24	24.25	24.28	25.24	0.04
GPRS 4 Tx slots	26.53	26.57	26.52	27.50	23.53	23.57	23.52	24.50	0.05
EDGE 1 Tx slot	25.22	25.24	25.20	26.50	16.22	16.24	16.20	17.50	0.04
EDGE 2 Tx slots	24.61	24.63	24.57	25.50	18.61	18.63	18.57	19.50	0.06
EDGE 3 Tx slots	22.61	22.61	22.59	23.50	18.35	18.35	18.33	19.24	0.02
EDGE 4 Tx slots	20.19	20.21	20.22	21.50	17.19	17.21	17.22	18.50	0.03
Mode		Max.	32.35		Max.	24.56			
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	TX Channel	512	661		810	512	661		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	29.45	29.48	29.43	30.50	20.45	20.48	20.43	21.50	0.06
GPRS 1 Tx slot	29.46	29.49	29.44	30.50	20.46	20.49	20.44	21.50	
GPRS 2 Tx slots	26.80	26.81	26.79	27.50	20.80	20.81	20.79	21.50	0.02
GPRS 3 Tx slots	25.66	25.69	25.65	26.50	21.40	21.43	21.39	22.24	0.04
GPRS 4 Tx slots	23.26	23.31	23.27	24.50	20.26	20.31	20.27	21.50	0.05
EDGE 1 Tx slot	25.54	25.64	25.47	26.50	16.54	16.64	16.47	17.50	0.17
EDGE 2 Tx slots	24.56	24.63	24.46	25.50	18.56	18.63	18.46	19.50	0.17
EDGE 3 Tx slots	22.29	22.37	22.36	23.50	18.03	18.11	18.10	19.24	0.08
EDGE 4 Tx slots	20.58	20.62	20.51	21.50	17.58	17.62	17.51	18.50	0.11
Mode		Max.	29.49		Max.	21.43			
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			Tune-up Limit (dBm)
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182	
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99 RMC 12.2Kbps	23.02	23.05	23.03	24.00	23.09	23.16	23.05	24.00	23.12	23.17	23.14	24.00
3GPP Rel 6 HSDPA Subtest-1	22.13	22.16	22.14	23.00	22.11	22.31	22.06	23.00	22.49	22.24	22.33	23.00
3GPP Rel 6 HSDPA Subtest-2	22.10	22.13	22.06	23.00	22.14	22.23	22.04	23.00	22.45	22.25	22.35	23.00
3GPP Rel 6 HSDPA Subtest-3	22.06	22.14	21.95	23.00	22.12	22.23	22.01	23.00	22.41	22.27	22.31	23.00
3GPP Rel 6 HSDPA Subtest-4	22.08	22.16	21.96	23.00	22.14	22.14	22.02	23.00	22.42	22.30	22.32	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.18	22.14	22.29	23.00	22.09	22.15	22.20	23.00	22.68	22.65	22.70	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	22.20	22.10	22.28	23.00	22.18	22.16	22.10	23.00	22.70	22.64	22.64	23.50
3GPP Rel 8 DC-HSDPA Subtest-3	22.28	22.25	22.30	23.00	22.18	22.13	22.19	23.00	22.69	22.65	22.67	23.50
3GPP Rel 8 DC-HSDPA Subtest-4	22.22	22.29	22.28	23.00	22.16	22.10	22.15	23.00	22.68	22.66	22.66	23.50
3GPP Rel 6 HSUPA Subtest-1	21.95	21.94	21.91	22.50	21.67	21.55	21.66	22.50	22.39	22.23	22.31	23.00
3GPP Rel 6 HSUPA Subtest-2	21.93	21.95	21.93	22.50	21.66	21.55	21.68	22.50	22.38	22.20	22.34	23.00
3GPP Rel 6 HSUPA Subtest-3	21.91	21.95	21.80	22.50	21.65	21.53	21.59	22.50	22.32	22.22	22.27	23.00
3GPP Rel 6 HSUPA Subtest-4	21.90	21.89	21.91	22.50	21.63	21.54	21.67	22.50	22.34	22.16	22.20	23.00
3GPP Rel 6 HSUPA Subtest-5	21.89	21.93	21.83	22.50	21.64	21.63	21.60	22.50	22.33	22.21	22.25	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	21.91	21.93	21.66	22.50	21.73	21.49	21.56	22.50	22.24	22.17	22.27	23.00
Attenuator		Cable Loss	0.8		Cable Loss	0.6			Cable Loss	0.6		
Mode		Max.	23.05		Max.	23.16			Max.	23.17		

3	16QAM	8	0	22.57	22.70	22.62	23
3	16QAM	8	4	22.64	22.61	22.67	
3	16QAM	8	7	22.54	22.59	22.62	
3	16QAM	15	0	22.57	22.61	22.56	23
3	64QAM	1	0	22.10	22.03	22.06	
3	64QAM	1	8	22.52	22.51	22.11	
3	64QAM	1	14	22.13	22.49	22.13	23
3	64QAM	8	0	22.05	22.07	21.91	
3	64QAM	8	4	22.15	22.05	22.05	
3	64QAM	8	7	22.25	22.14	22.00	23
3	64QAM	15	0	22.10	22.10	22.08	
Channel				18607	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.03	23.06	23.01	24
1.4	QPSK	1	3	22.93	22.91	22.90	
1.4	QPSK	1	5	22.90	22.88	22.86	
1.4	QPSK	3	0	22.90	22.90	22.86	
1.4	QPSK	3	1	22.94	22.91	22.89	
1.4	QPSK	3	3	22.96	23.00	22.89	
1.4	QPSK	6	0	21.98	21.97	21.96	23
1.4	16QAM	1	0	22.02	22.02	21.96	23
1.4	16QAM	1	3	21.98	22.18	22.16	
1.4	16QAM	1	5	21.86	22.06	21.74	
1.4	16QAM	3	0	21.88	21.93	21.90	
1.4	16QAM	3	1	22.06	21.88	21.93	
1.4	16QAM	3	3	22.08	22.05	21.79	
1.4	16QAM	6	0	22.09	22.02	21.97	23
1.4	64QAM	1	0	21.97	21.89	21.92	23
1.4	64QAM	1	3	21.99	22.20	22.08	
1.4	64QAM	1	5	21.97	22.32	21.91	
1.4	64QAM	3	0	22.00	22.06	22.07	
1.4	64QAM	3	1	22.09	22.06	22.27	
1.4	64QAM	3	3	22.01	22.15	21.92	
1.4	64QAM	6	0	22.06	22.09	21.98	23

3	16QAM	8	0	21.92	21.93	22.02	23
3	16QAM	8	4	22.02	22.02	22.03	
3	16QAM	8	7	22.24	22.32	22.36	
3	16QAM	15	0	22.24	22.22	22.29	23
3	64QAM	1	0	21.91	22.00	21.98	
3	64QAM	1	8	22.10	21.98	22.14	
3	64QAM	1	14	21.91	21.98	21.81	23
3	64QAM	8	0	21.89	21.93	21.87	
3	64QAM	8	4	22.01	21.99	22.03	
3	64QAM	8	7	21.95	22.02	22.14	23
3	64QAM	15	0	21.91	21.99	21.90	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.96	23.01	22.99	24
1.4	QPSK	1	3	22.90	22.90	22.94	
1.4	QPSK	1	5	22.76	22.85	22.87	
1.4	QPSK	3	0	22.84	22.81	22.80	
1.4	QPSK	3	1	22.80	22.90	22.95	
1.4	QPSK	3	3	22.79	22.86	22.85	
1.4	QPSK	6	0	21.95	21.97	21.93	23
1.4	16QAM	1	0	21.89	22.36	22.02	23
1.4	16QAM	1	3	22.02	22.10	22.14	
1.4	16QAM	1	5	22.08	22.24	22.04	
1.4	16QAM	3	0	22.11	22.15	22.06	
1.4	16QAM	3	1	22.12	22.15	22.17	
1.4	16QAM	3	3	22.11	22.23	22.12	
1.4	16QAM	6	0	22.02	22.03	21.94	23
1.4	64QAM	1	0	21.80	21.74	21.88	23
1.4	64QAM	1	3	22.06	22.04	22.16	
1.4	64QAM	1	5	21.97	21.93	21.77	
1.4	64QAM	3	0	21.88	21.86	22.05	
1.4	64QAM	3	1	21.79	21.94	21.91	
1.4	64QAM	3	3	21.85	22.02	21.90	
1.4	64QAM	6	0	21.84	21.85	21.92	23

1.4	16QAM	3	0	22.68	22.44	22.69	23.5
1.4	16QAM	3	1	22.68	22.47	22.60	
1.4	16QAM	3	3	22.68	22.45	22.41	
1.4	16QAM	6	0	23.04	23.01	22.98	22.5
1.4	64QAM	1	0	21.93	21.90	21.95	
1.4	64QAM	1	3	21.99	21.99	21.99	
1.4	64QAM	1	5	21.89	21.92	22.03	
1.4	64QAM	3	0	21.98	21.99	21.99	
1.4	64QAM	3	1	22.03	21.91	21.95	
1.4	64QAM	3	3	21.95	21.99	21.90	
1.4	64QAM	6	0	22.02	21.95	21.66	22.5

3	16QAM	8	0	22.06	22.06	21.97	23
3	16QAM	8	4	22.09	22.08	22.14	
3	16QAM	8	7	22.01	22.16	22.10	
3	16QAM	15	0	22.11	22.09	22.05	23
3	64QAM	1	0	22.25	22.15	22.25	
3	64QAM	1	8	22.27	22.05	22.15	
3	64QAM	1	14	21.92	22.18	22.25	23
3	64QAM	8	0	22.04	22.03	22.16	
3	64QAM	8	4	22.14	22.10	22.11	
3	64QAM	8	7	22.03	21.97	22.01	23
3	64QAM	15	0	22.05	22.07	22.04	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.72	22.63	22.64	24
1.4	QPSK	1	3	22.78	22.80	22.80	
1.4	QPSK	1	5	22.70	22.58	22.74	
1.4	QPSK	3	0	22.69	22.62	22.69	
1.4	QPSK	3	1	22.66	22.72	22.63	
1.4	QPSK	3	3	22.67	22.63	22.55	
1.4	QPSK	6	0	22.27	22.12	22.31	23
1.4	16QAM	1	0	22.19	22.19	22.39	23
1.4	16QAM	1	3	22.19	22.28	22.40	
1.4	16QAM	1	5	22.02	22.22	22.10	
1.4	16QAM	3	0	21.97	21.94	22.20	
1.4	16QAM	3	1	22.06	21.96	22.08	
1.4	16QAM	3	3	22.07	22.08	22.02	
1.4	16QAM	6	0	21.96	21.87	21.88	23
1.4	64QAM	1	0	22.30	22.15	22.31	23
1.4	64QAM	1	3	22.03	22.12	22.12	
1.4	64QAM	1	5	22.00	22.00	22.11	
1.4	64QAM	3	0	22.09	22.07	22.09	
1.4	64QAM	3	1	22.08	22.12	22.16	
1.4	64QAM	3	3	22.08	22.01	22.03	
1.4	64QAM	6	0	21.98	22.08	22.09	23

Band 38(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.00	23.07	23.04	24
20	QPSK	1	49	22.99	23.01	23.01	
20	QPSK	1	99	22.91	22.97	22.94	
20	QPSK	50	0	22.11	22.33	22.19	23
20	QPSK	50	24	22.04	22.11	22.07	
20	QPSK	50	50	22.08	22.13	22.07	
20	QPSK	100	0	21.96	22.07	22.10	23
20	16QAM	1	0	22.08	22.08	22.01	
20	16QAM	1	49	22.07	21.67	22.07	
20	16QAM	1	99	22.23	22.22	22.33	23
20	16QAM	50	0	22.08	22.22	21.83	
20	16QAM	50	24	22.19	22.01	21.92	
20	16QAM	50	50	22.18	21.82	21.86	23
20	16QAM	100	0	22.19	22.22	21.88	
20	64QAM	1	0	22.00	22.28	22.31	
20	64QAM	1	49	22.00	22.19	22.29	23
20	64QAM	1	99	22.02	22.29	22.33	
20	64QAM	50	0	22.01	22.00	21.89	
20	64QAM	50	24	22.03	21.99	21.98	23
20	64QAM	50	50	22.01	21.78	22.00	
20	64QAM	100	0	22.01	21.97	21.88	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2585	2612.5	
15	QPSK	1	0	22.91	22.91	22.92	24
15	QPSK	1	37	22.92	22.84	22.95	
15	QPSK	1	74	22.73	22.95	22.92	
15	QPSK	36	0	22.04	22.29	22.33	23
15	QPSK	36	20	22.24	22.33	22.29	
15	QPSK	36	39	22.31	22.29	22.22	
15	QPSK	75	0	22.19	22.19	22.20	23
15	16QAM	1	0	22.27	22.29	22.19	
15	16QAM	1	37	22.29	22.33	22.01	
15	16QAM	1	74	22.30	22.20	22.00	23
15	16QAM	36	0	22.07	22.03	21.92	
15	16QAM	36	20	22.05	22.19	21.96	
15	16QAM	36	39	22.07	22.09	21.94	23
15	16QAM	75	0	22.03	21.98	21.92	
15	64QAM	1	0	22.14	22.03	22.19	
15	64QAM	1	37	22.02	22.03	22.01	23
15	64QAM	1	74	21.97	22.05	22.22	
15	64QAM	36	0	21.89	22.04	21.97	
15	64QAM	36	20	22.17	22.03	21.91	23
15	64QAM	36	39	22.01	22.01	22.02	
15	64QAM	75	0	22.19	22.01	22.05	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.94	22.95	22.95	24
10	QPSK	1	25	22.94	22.74	22.94	
10	QPSK	1	49	22.88	22.90	22.93	
10	QPSK	25	0	22.03	21.89	21.89	23
10	QPSK	25	12	22.26	22.22	21.93	
10	QPSK	25	25	22.27	22.29	21.89	
10	QPSK	50	0	22.25	22.17	21.89	23
10	16QAM	1	0	22.11	21.88	22.19	
10	16QAM	1	25	21.99	21.89	22.29	
10	16QAM	1	49	22.36	21.92	22.01	23
10	16QAM	25	0	21.89	22.00	21.96	
10	16QAM	25	12	22.19	21.89	22.02	
10	16QAM	25	25	21.89	22.03	22.08	23
10	16QAM	50	0	22.01	22.05	21.97	
10	64QAM	1	0	22.01	22.04	21.97	
10	64QAM	1	25	21.92	22.17	22.07	23
10	64QAM	1	49	22.28	22.02	22.07	
10	64QAM	25	0	21.87	21.87	21.97	
10	64QAM	25	12	21.87	22.07	22.08	23
10	64QAM	25	25	21.83	22.03	21.99	
10	64QAM	50	0	21.89	22.05	21.95	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.80	22.90	22.74	24
5	QPSK	1	12	22.74	22.95	22.93	
5	QPSK	1	24	22.74	22.73	22.72	
5	QPSK	12	0	22.16	22.64	22.23	23
5	QPSK	12	7	22.30	22.29	22.29	
5	QPSK	12	13	22.16	22.20	22.22	
5	QPSK	25	0	22.22	22.23	21.89	23
5	16QAM	1	0	22.40	22.51	22.41	
5	16QAM	1	12	22.01	22.19	21.89	
5	16QAM	1	24	22.01	22.02	22.01	23
5	16QAM	12	0	22.02	22.07	22.01	
5	16QAM	12	7	22.01	22.03	22.01	
5	16QAM	12	13	21.92	22.04	22.01	23
5	16QAM	25	0	22.19	21.91	22.09	
5	64QAM	1	0	21.95	22.28	21.89	
5	64QAM	1	12	22.22	22.22	22.29	23
5	64QAM	1	24	22.22	22.22	22.19	
5	64QAM	12	0	21.93	22.05	22.01	
5	64QAM	12	7	22.02	22.03	21.94	23
5	64QAM	12	13	22.01	22.04	21.91	
5	64QAM	25	0	22.05	22.07	21.98	

Band 40 (2.3G Band-1)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			Tune-up limit (dBm)
Frequency (MHz)				2310			
10	QPSK	1	0		22.84		24
10	QPSK	1	25		22.75		
10	QPSK	1	49		22.73		
10	QPSK	25	0		22.14		23
10	QPSK	25	12		22.01		
10	QPSK	25	25		22.06		
10	QPSK	50	0		21.84		23
10	16QAM	1	0		21.93		
10	16QAM	1	25		21.91		
10	16QAM	1	49		21.95		23
10	16QAM	25	0		21.84		
10	16QAM	25	12		21.91		
10	16QAM	25	25		21.88		23
10	16QAM	50	0		21.95		
10	64QAM	1	0		22.02		
10	64QAM	1	25		21.81		23
10	64QAM	1	49		22.07		
10	64QAM	25	0		21.64		
10	64QAM	25	12		21.84		23
10	64QAM	25	25		21.91		
10	64QAM	50	0		21.84		
Channel				38725	38750	38775	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.78	22.73	22.64	24
5	QPSK	1	12	22.69	22.68	22.79	
5	QPSK	1	24	22.75	22.77	22.61	
5	QPSK	12	0	21.94	21.87	21.99	23
5	QPSK	12	7	21.99	21.85	21.95	
5	QPSK	12	13	21.87	21.83	21.88	
5	QPSK	25	0	21.90	21.76	21.97	23
5	16QAM	1	0	21.94	21.91	21.99	
5	16QAM	1	12	22.10	22.01	22.08	
5	16QAM	1	24	22.02	21.91	21.90	23
5	16QAM	12	0	21.86	21.76	21.92	
5	16QAM	12	7	21.88	21.82	21.85	
5	16QAM	12	13	21.95	21.73	21.92	23
5	16QAM	25	0	21.92	21.84	21.87	
5	64QAM	1	0	22.04	22.07	21.82	
5	64QAM	1	12	22.05	21.45	21.41	23
5	64QAM	1	24	22.08	21.69	21.45	
5	64QAM	12	0	21.83	21.89	21.99	
5	64QAM	12	7	21.88	21.92	21.95	23
5	64QAM	12	13	21.92	21.87	21.89	
5	64QAM	25	0	21.93	21.89	21.92	

Band 40 (2.3G Band-2)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			
10	QPSK	1	0		22.83		24
10	QPSK	1	25		22.74		
10	QPSK	1	49		22.70		
10	QPSK	25	0		22.04		23
10	QPSK	25	12		21.96		
10	QPSK	25	25		21.97		
10	QPSK	50	0		21.94		23
10	16QAM	1	0		22.04		
10	16QAM	1	25		21.95		
10	16QAM	1	49		21.87		23
10	16QAM	25	0		21.99		
10	16QAM	25	12		22.02		
10	16QAM	25	25		22.01		23
10	16QAM	50	0		21.98		
10	64QAM	1	0		22.07		
10	64QAM	1	25		22.00		23
10	64QAM	1	49		21.84		
10	64QAM	25	0		21.96		
10	64QAM	25	12		21.95		23
10	64QAM	25	25		21.92		
10	64QAM	50	0		21.81		
Channel				39175			
Frequency (MHz)				2352.5			
5	QPSK	1	0	22.71	22.66	22.75	24
5	QPSK	1	12	22.66	22.70	22.73	
5	QPSK	1	24	22.59	22.78	22.78	
5	QPSK	12	0	21.94	21.93	21.99	23
5	QPSK	12	7	21.96	21.97	21.99	
5	QPSK	12	13	21.94	21.97	21.97	
5	QPSK	25	0	21.89	21.87	22.03	23
5	16QAM	1	0	22.00	22.06	22.04	
5	16QAM	1	12	21.95	21.93	21.99	
5	16QAM	1	24	21.84	21.75	21.82	23
5	16QAM	12	0	21.92	21.88	22.05	
5	16QAM	12	7	21.84	21.97	22.05	
5	16QAM	12	13	21.90	21.91	21.87	23
5	16QAM	25	0	21.97	21.92	22.01	
5	64QAM	1	0	22.05	21.70	21.74	
5	64QAM	1	12	22.16	21.54	21.66	23
5	64QAM	1	24	22.17	21.72	21.61	
5	64QAM	12	0	21.83	21.86	21.94	
5	64QAM	12	7	21.79	21.80	21.87	23
5	64QAM	12	13	21.84	21.85	21.88	
5	64QAM	25	0	21.92	21.86	21.93	

Band 41 (2535~2655MHz)

BW [MHz]	Modulation	RB Size	RB Offset	Low channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				40140	40390	40640	40890	41140	
Frequency (MHz)				2545	2570	2595	2620	2645	
20	QPSK	1	0	22.98	23.08	23.10	23.03	23.04	24
20	QPSK	1	49	22.94	23.03	23.03	23.04	23.04	
20	QPSK	1	99	22.88	23.04	22.99	23.09	22.84	
20	QPSK	50	0	22.14	22.16	22.20	22.18	22.13	
20	QPSK	50	24	22.14	22.12	21.97	21.94	21.94	23
20	QPSK	50	50	22.17	22.10	21.98	21.97	22.04	
20	QPSK	100	0	22.14	22.17	22.04	21.98	21.94	
20	16QAM	1	0	22.18	22.34	21.97	22.04	21.94	
20	16QAM	1	49	22.17	22.22	21.97	21.92	21.94	23
20	16QAM	1	99	22.24	22.14	22.04	22.02	22.04	
20	16QAM	50	0	22.15	22.24	21.97	22.27	21.94	
20	16QAM	50	24	22.13	22.45	21.94	22.04	21.94	
20	16QAM	50	50	22.19	22.51	22.40	22.01	22.04	23
20	16QAM	100	0	22.13	22.44	22.39	22.08	21.97	
20	64QAM	1	0	22.28	22.19	22.19	22.02	21.98	
20	64QAM	1	49	22.21	22.31	22.01	22.30	21.98	
20	64QAM	1	99	22.11	22.06	21.97	22.06	21.94	23
20	64QAM	50	0	22.07	22.03	22.00	21.95	22.04	
20	64QAM	50	24	21.92	22.19	22.07	22.04	21.97	
20	64QAM	50	50	22.02	22.18	22.21	22.10	22.03	
20	64QAM	100	0	22.00	22.28	22.24	21.92	22.04	
Channel				40115	40375	40640	40903	41165	
Frequency (MHz)				2542.5	2568.5	2595	2621.3	2647.5	
15	QPSK	1	0	22.64	22.80	23.00	22.87	22.86	24
15	QPSK	1	37	22.63	22.98	23.04	22.87	22.97	
15	QPSK	1	74	22.63	22.96	22.97	22.80	22.77	
15	QPSK	36	0	21.80	22.14	21.99	22.19	22.80	
15	QPSK	36	20	22.05	22.19	21.95	22.15	22.87	23
15	QPSK	36	39	22.21	22.22	21.94	22.18	22.82	
15	QPSK	75	0	21.99	22.24	21.97	22.21	22.79	
15	16QAM	1	0	21.93	22.05	22.34	21.99	21.79	
15	16QAM	1	37	22.14	22.22	21.91	22.05	21.88	23
15	16QAM	1	74	22.10	22.14	21.48	21.89	21.81	
15	16QAM	36	0	21.97	22.21	21.88	22.08	22.26	
15	16QAM	36	20	22.02	22.15	21.84	22.04	22.28	
15	16QAM	36	39	22.09	22.28	22.38	22.08	22.04	23
15	16QAM	75	0	22.00	22.29	21.86	22.08	21.64	
15	64QAM	1	0	22.10	22.00	22.24	21.88	22.38	
15	64QAM	1	37	22.38	22.14	22.38	22.01	21.50	
15	64QAM	1	74	22.35	22.07	22.17	22.35	21.23	23
15	64QAM	36	0	21.79	22.13	21.95	22.09	21.87	
15	64QAM	36	20	21.94	22.24	22.39	22.02	21.76	
15	64QAM	36	39	21.89	22.23	22.36	22.08	21.68	
15	64QAM	75	0	21.87	22.24	22.36	22.12	21.76	
Channel				40090	40365	40640	40915	41190	
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	22.68	22.89	22.97	22.85	22.84	24
10	QPSK	1	25	22.88	22.94	22.84	22.80	22.79	
10	QPSK	1	49	22.65	22.81	23.04	23.04	22.80	
10	QPSK	25	0	21.98	22.39	22.27	22.23	22.04	
10	QPSK	25	12	22.04	22.38	22.16	22.23	22.04	23
10	QPSK	25	25	22.08	22.47	22.11	22.27	22.40	
10	QPSK	50	0	22.13	22.51	22.19	22.25	21.64	
10	16QAM	1	0	21.99	21.86	22.01	22.26	21.84	
10	16QAM	1	25	22.17	21.95	22.16	22.09	21.88	23
10	16QAM	1	49	22.03	21.91	22.08	22.22	22.03	
10	16QAM	25	0	22.03	21.94	22.22	22.40	21.69	
10	16QAM	25	12	22.16	21.91	22.08	22.34	21.45	
10	16QAM	25	25	22.13	21.98	22.20	22.47	21.96	23
10	16QAM	50	0	22.11	21.94	22.18	22.36	21.72	
10	64QAM	1	0	21.73	22.09	21.69	22.03	22.09	
10	64QAM	1	25	21.76	22.21	21.86	22.08	22.04	
10	64QAM	1	49	21.74	22.10	21.73	21.99	21.85	23
10	64QAM	25	0	21.81	22.24	21.94	22.12	22.01	
10	64QAM	25	12	21.84	22.21	21.83	22.12	21.76	
10	64QAM	25	25	21.93	22.25	21.92	22.09	21.99	
10	64QAM	50	0	21.89	22.22	21.97	22.18	22.05	
Channel				40065	40353	40640	40928	41215	
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	22.65	22.74	22.97	22.94	22.75	24
5	QPSK	1	12	22.64	22.89	22.84	22.97	22.79	
5	QPSK	1	24	22.77	22.80	22.94	22.67	22.80	
5	QPSK	12	0	21.98	22.12	22.16	22.25	21.96	
5	QPSK	12	7	22.06	22.25	22.01	22.31	22.18	23
5	QPSK	12	13	22.00	22.25	22.23	22.37	22.24	
5	QPSK	25	0	22.03	22.26	22.24	22.39	22.17	
5	16QAM	1	0	22.27	22.09	22.25	21.94	22.08	
5	16QAM	1	12	21.88	22.26	22.42	22.10	21.98	23
5	16QAM	1	24	21.74	22.12	22.23	21.95	22.24	
5	16QAM	12	0	21.92	21.87	22.09	22.07	22.04	
5	16QAM	12	7	22.04	21.82	22.19	22.18	22.17	
5	16QAM	12	13	22.10	21.95	22.09	22.11	21.96	23
5	16QAM	25	0	22.02	21.83	22.17	22.18	21.94	
5	64QAM	1	0	22.29	22.14	22.41	21.96	21.99	
5	64QAM	1	12	22.29	22.15	22.34	22.05	21.95	
5	64QAM	1	24	22.14	22.00	22.27	21.91	22.28	23
5	64QAM	12	0	22.09	22.18	21.87	21.99	21.95	
5	64QAM	12	7	22.10	21.66	21.95	22.17	22.03	
5	64QAM	12	13	22.08	21.65	21.74	22.05	21.94	
5	64QAM	25	0	21.82	21.65	21.80	22.14	21.76	

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	18.69	20.00	18	98.78
	CH 6	2437	17.71	19.00	18	
	CH 11	2462	17.47	19.00	18	
802.11g 6Mbps	CH 1	2412	18.09	20.00	17	91.13
	CH 6	2437	17.10	19.00	17	
	CH 11	2462	16.75	18.00	17	
802.11n-HT20 MCS0	CH 1	2412	18.27	20.00	17	90.76
	CH 6	2437	17.66	19.00	17	
	CH 11	2462	17.29	19.00	17	
802.11n-HT40 MCS0	CH 3	2422	16.49	18.00	17	79.85
	CH 6	2437	16.58	18.00	17	
	CH 9	2452	17.53	19.00	17	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	16.35	18.00	17	91.10
	CH 44	5220	16.39	18.00	17	
	CH 48	5240	16.80	18.00	17	
802.11n-HT20 MCS0	CH 36	5180	15.34	17.00	17	91.21
	CH 44	5220	15.77	17.00	17	
	CH 48	5240	16.52	18.00	17	
802.11n-HT40 MCS0	CH 38	5190	16.31	18.00	17	88.77
	CH 46	5230	16.78	18.00	17	
802.11ac-VHT20 MCS0	CH 36	5180	16.19	18.00	17	90.91
	CH 44	5220	16.25	18.00	17	
	CH 48	5240	16.66	18.00	17	
802.11ac-VHT40 MCS0	CH 38	5190	15.92	17.00	17	80.00
	CH 46	5230	16.18	18.00	17	
802.11ac-VHT80 MCS0	CH 42	5210	15.66	17.00	17	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	16.86	18.00	17	91.10
	CH 60	5300	17.03	19.00	17	
	CH 64	5320	16.88	18.00	17	
802.11n-HT20 MCS0	CH 52	5260	16.47	18.00	17	91.21
	CH 60	5300	16.10	18.00	17	
	CH 64	5320	16.37	18.00	17	
802.11n-HT40 MCS0	CH 54	5270	17.02	19.00	17	88.77
	CH 62	5310	16.70	18.00	17	
802.11ac-VHT20 MCS0	CH 52	5260	16.60	18.00	17	90.91
	CH 60	5300	16.64	18.00	17	
	CH 64	5320	16.57	18.00	17	
802.11ac-VHT40 MCS0	CH 54	5270	16.37	18.00	17	80.00
	CH 62	5310	16.04	18.00	17	
802.11ac-VHT80 MCS0	CH 58	5290	15.68	17.00	17	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	15.96	17.50	17	91.10
	CH 120	5600	16.66	18.00	17	
	CH 140	5700	16.27	18.00	17	
802.11n-HT20 MCS0	CH 100	5500	15.55	17.00	17	91.21
	CH 120	5600	15.74	17.00	17	
	CH 140	5700	15.49	17.00	17	
802.11n-HT40 MCS0	CH 102	5510	15.93	17.50	17	88.77
	CH 126	5630	16.90	18.50	17	
	CH 134	5670	16.28	18.00	17	
802.11ac-VHT20 MCS0	CH 100	5500	15.71	17.00	17	90.91
	CH 120	5600	16.27	18.00	17	

	802.11ac-VHT40 MCS0	CH 140	5700	16.02	18.00	17	80.00	
		CH 102	5510	15.23	17.00	17		
		CH 126	5630	16.02	18.00	17		
	802.11ac-VHT80 MCS0	CH 134	5670	15.58	17.00	17	70.76	
		CH 106	5530	15.24	17.00	17		
		CH 122	5610	15.48	17.00	17		
			CH 138	5690	15.06	17.00	17	

5GHz WLAN ANT 2

5.8GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a MCS0		CH 149	5745	15.28	17.00	17
CH 157			5785	16.12	18.00	17	
CH 165			5825	16.17	18.00	17	
802.11n-HT20 MCS0		CH 149	5745	15.34	17.00	17	91.21
		CH 157	5785	15.40	17.00	17	
		CH 165	5825	15.48	17.00	17	
802.11n-HT40 MCS0		CH 151	5755	16.21	18.00	17	88.77
		CH 159	5795	15.86	17.00	17	
802.11ac-VHT20 MCS0		CH 149	5745	15.83	17.00	17	90.91
		CH 157	5785	15.79	17.00	17	
		CH 165	5825	15.98	17.50	17	
802.11ac-VHT40 MCS0		CH 151	5755	15.56	17.00	17	80.00
		CH 159	5795	15.28	17.00	17	
802.11ac-VHT80 MCS0		CH 155	5775	15.21	17.00	17	70.76

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	7.39	6.38	6.17
	CH 39	2441	7.13	6.02	6.12
	CH 78	2480	8.26	7.10	6.99
Tune-up Limit			10	9	8.5
Duty Cycle %			77.6	77.07	77.07

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
LE	CH 00	2402	-2.68	-2.46	N/A
	CH 19	2440	-4.40	-4.17	N/A
	CH 39	2480	-4.04	-3.77	N/A
Tune-up Limit			0.5	0.5	N/A
Duty Cycle %			31.65	32.54	N/A

Reduced Power Level 1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	TX Channel	128	189		251	128	189		
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot	28.33	28.33	28.34	29.50	19.33	19.33	19.34	20.50	0.02
GPRS 1 Tx slot	28.33	28.35	28.33	29.50	19.33	19.35	19.33	20.50	
GPRS 2 Tx slots	26.54	26.56	26.49	27.50	20.54	20.56	20.49	21.50	0.07
GPRS 3 Tx slots	24.50	24.51	24.54	25.50	20.24	20.25	20.28	21.24	0.04
GPRS 4 Tx slots	22.53	22.57	22.52	23.50	19.53	19.57	19.52	20.50	0.05
EDGE 1 Tx slot	21.22	21.24	21.20	22.50	12.22	12.24	12.20	13.50	0.04
EDGE 2 Tx slots	20.61	20.63	20.57	21.50	14.61	14.63	14.57	15.50	0.06
EDGE 3 Tx slots	18.61	18.61	18.59	19.50	14.35	14.35	14.33	15.24	0.02
EDGE 4 Tx slots	16.19	16.21	16.22	17.50	13.19	13.21	13.22	14.50	0.03
Mode		Max.	28.35		Max.	20.56			
Attenuator	Cable Loss : 0.6								

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	TX Channel	512	661		810	512	661		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	24.45	24.48	24.43	25.50	15.45	15.48	15.43	16.50	0.06
GPRS 1 Tx slot	24.46	24.49	24.44	25.50	15.46	15.49	15.44	16.50	
GPRS 2 Tx slots	21.80	21.81	21.79	22.50	15.80	15.81	15.79	16.50	0.02
GPRS 3 Tx slots	20.66	20.69	20.65	21.50	16.40	16.43	16.39	17.24	0.04
GPRS 4 Tx slots	18.26	18.31	18.27	19.50	15.26	15.31	15.27	16.50	0.05
EDGE 1 Tx slot	20.54	20.64	20.47	21.50	11.54	11.64	11.47	12.50	0.17
EDGE 2 Tx slots	19.56	19.63	19.46	20.50	13.56	13.63	13.46	14.50	0.17
EDGE 3 Tx slots	17.29	17.37	17.36	18.50	13.03	13.11	13.10	14.24	0.08
EDGE 4 Tx slots	15.58	15.62	15.51	16.50	12.58	12.62	12.51	13.50	0.11
Mode		Max.	24.49		Max.	16.43			
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	WCDMA Band V			Tune-up Limit (dBm)	
	TX Channel	9262	9400		9538	1312	1413		1513	4132	4182		4233
Rx Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	15.02	15.05	15.03	16.00	16.09	16.16	16.05	17.00	20.12	20.17	20.14	21.00
3GPP Rel 6	HSDPA Subtest-1	14.13	14.16	14.14	15.00	15.11	15.31	15.06	16.00	19.49	19.24	19.33	20.00
3GPP Rel 6	HSDPA Subtest-2	14.10	14.13	14.06	15.00	15.14	15.23	15.04	16.00	19.45	19.25	19.35	20.00
3GPP Rel 6	HSDPA Subtest-3	14.06	14.14	13.95	15.00	15.12	15.23	15.01	16.00	19.41	19.27	19.31	20.00
3GPP Rel 6	HSDPA Subtest-4	14.08	14.16	13.96	15.00	15.14	15.14	15.02	16.00	19.42	19.30	19.32	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	14.18	14.14	14.29	15.00	15.09	15.15	15.20	16.00	19.68	19.65	19.70	20.50
3GPP Rel 8	DC-HSDPA Subtest-2	14.20	14.10	14.28	15.00	15.18	15.16	15.10	16.00	19.70	19.64	19.64	20.50
3GPP Rel 8	DC-HSDPA Subtest-3	14.28	14.25	14.30	15.00	15.18	15.13	15.19	16.00	19.69	19.65	19.67	20.50
3GPP Rel 8	DC-HSDPA Subtest-4	14.22	14.29	14.28	15.00	15.16	15.10	15.15	16.00	19.68	19.66	19.66	20.50
3GPP Rel 6	HSUPA Subtest-1	13.95	13.94	13.91	14.50	14.67	14.55	14.66	15.50	19.39	19.23	19.31	20.00
3GPP Rel 6	HSUPA Subtest-2	13.93	13.95	13.93	14.50	14.66	14.55	14.68	15.50	19.38	19.20	19.34	20.00
3GPP Rel 6	HSUPA Subtest-3	13.91	13.95	13.80	14.50	14.65	14.53	14.59	15.50	19.32	19.22	19.27	20.00
3GPP Rel 6	HSUPA Subtest-4	13.90	13.89	13.91	14.50	14.63	14.54	14.67	15.50	19.34	19.16	19.20	20.00
3GPP Rel 6	HSUPA Subtest-5	13.89	13.93	13.83	14.50	14.64	14.63	14.60	15.50	19.33	19.21	19.25	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.91	13.93	13.66	14.50	14.73	14.49	14.56	15.50	19.24	19.17	19.27	20.00
Attenuator		Cable Loss			0.8		Cable Loss		0.6		Cable Loss		0.6
Mode		Max.	15.05			Max.	16.16			Max.	20.17		

Band 2 (1900MHz Band)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	15.11	15.14	15.08	16		
20	QPSK	1	49	15.09	15.03	14.96			
20	QPSK	1	99	15.03	14.99	14.97			
20	QPSK	50	0	14.19	14.28	14.21	15		
20	QPSK	50	24	14.20	14.25	14.25			
20	QPSK	50	50	14.25	14.21	14.27			
20	QPSK	100	0	14.18	14.27	14.23	15		
20	16QAM	1	0	14.24	14.24	14.26			
20	16QAM	1	49	14.08	14.38	14.34			
20	16QAM	1	99	14.33	14.18	14.58	15		
20	16QAM	50	0	14.26	14.23	14.21			
20	16QAM	50	24	14.22	14.27	14.28			
20	16QAM	50	50	14.30	14.27	14.34	15		
20	16QAM	100	0	14.33	14.34	14.21			
20	64QAM	1	0	14.28	14.47	14.21			
20	64QAM	1	49	14.23	14.41	14.32	15		
20	64QAM	1	99	14.18	14.51	14.51			
20	64QAM	50	0	14.28	14.20	14.25			
20	64QAM	50	24	14.31	14.25	14.30	15		
20	64QAM	50	50	14.30	14.31	14.25			
20	64QAM	100	0	14.18	14.15	14.16			
Channel				18675	18900	19125	Tune-up limit (dBm)		
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	14.92	14.95	14.86	16		
15	QPSK	1	37	14.71	15.07	14.95			
15	QPSK	1	74	15.08	15.00	15.08			
15	QPSK	36	0	14.05	14.14	14.13	15		
15	QPSK	36	20	14.04	14.23	14.20			
15	QPSK	36	39	14.16	14.17	14.14			
15	QPSK	75	0	14.08	14.14	14.10	15		
15	16QAM	1	0	14.17	14.25	14.19			
15	16QAM	1	37	14.30	14.33	14.19			
15	16QAM	1	74	14.25	14.37	14.37	15		
15	16QAM	36	0	14.04	14.09	14.12			
15	16QAM	36	20	14.13	14.06	14.19			
15	16QAM	36	39	14.18	14.27	14.24	15		
15	16QAM	75	0	14.05	14.07	14.16			
15	64QAM	1	0	14.25	14.01	14.07			
15	64QAM	1	37	14.24	14.05	14.47	15		
15	64QAM	1	74	14.13	14.17	14.32			
15	64QAM	36	0	13.98	14.15	14.03			
15	64QAM	36	20	14.18	14.20	14.10	15		
15	64QAM	36	39	14.06	14.11	14.20			
15	64QAM	75	0	14.05	14.12	14.11			
Channel				18650	18900	19150	Tune-up limit (dBm)		
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	14.89	14.88	14.98	16		
10	QPSK	1	25	15.00	15.10	14.98			
10	QPSK	1	49	14.89	14.97	14.89			
10	QPSK	25	0	14.16	14.17	14.13	15		
10	QPSK	25	12	14.12	14.24	14.17			
10	QPSK	25	25	14.03	14.16	14.12			
10	QPSK	50	0	14.09	14.18	14.16	15		
10	16QAM	1	0	14.57	14.50	14.49			
10	16QAM	1	25	14.26	14.22	14.29			
10	16QAM	1	49	14.21	14.29	14.08	15		
10	16QAM	25	0	14.11	14.10	14.07			
10	16QAM	25	12	14.27	14.07	14.07			
10	16QAM	25	25	14.07	14.27	14.37	15		
10	16QAM	50	0	14.64	14.57	14.61			
10	64QAM	1	0	14.15	14.20	14.20			
10	64QAM	1	25	14.18	14.23	14.27	15		
10	64QAM	1	49	13.85	13.98	13.95			
10	64QAM	25	0	14.15	14.19	14.20			
10	64QAM	25	12	14.18	14.16	14.17	15		
10	64QAM	25	25	14.11	13.89	14.11			
10	64QAM	50	0	14.12	14.12	14.09			
Channel				18625	18900	19175	Tune-up limit (dBm)		
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	15.03	15.08	15.02	16		
5	QPSK	1	12	15.02	14.97	15.00			
5	QPSK	1	24	14.98	15.06	15.07			
5	QPSK	12	0	14.15	14.06	14.13	15		
5	QPSK	12	7	14.16	14.21	14.13			
5	QPSK	12	13	14.15	14.14	14.17			
5	QPSK	25	0	14.14	14.12	14.14	15		
5	16QAM	1	0	14.27	14.17	14.55			
5	16QAM	1	12	14.25	14.18	14.55			
5	16QAM	1	24	14.28	14.15	14.54	15		
5	16QAM	12	0	14.37	14.51	14.37			
5	16QAM	12	7	14.27	14.27	14.07			
5	16QAM	12	13	14.07	14.40	14.17	15		
5	16QAM	25	0	14.17	14.63	14.61			
5	64QAM	1	0	14.37	14.09	14.14			
5	64QAM	1	12	14.53	14.19	14.30	15		
5	64QAM	1	24	14.54	14.18	14.20			
5	64QAM	12	0	14.19	14.12	14.11			
5	64QAM	12	7	14.25	14.09	14.09	15		
5	64QAM	12	13	14.22	14.18	14.16			
5	64QAM	25	0	14.29	14.09	14.16			
Channel				18615	18900	19185	Tune-up limit (dBm)		
Frequency (MHz)				1851.5	1880	1908.5			
3	QPSK	1	0	14.97	15.04	14.96	16		
3	QPSK	1	8	15.07	15.10	14.93			
3	QPSK	1	14	15.08	14.95	14.95			
3	QPSK	8	0	14.03	13.98	14.00	15		
3	QPSK	8	4	14.09	14.03	14.04			
3	QPSK	8	7	14.09	14.03	13.99			
3	QPSK	15	0	14.01	14.09	14.02	15		
3	16QAM	1	0	14.17	14.08	14.02			
3	16QAM	1	8	14.21	14.15	14.11			
3	16QAM	1	14	14.14	14.11	13.99			

Band 4 (AWS Band)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	15.00	15.08	15.07	16		
20	QPSK	1	49	14.86	14.94	14.93			
20	QPSK	1	99	14.78	14.91	15.03			
20	QPSK	50	0	14.16	14.20	14.17	15		
20	QPSK	50	24	14.07	14.15	14.15			
20	QPSK	50	50	13.96	14.07	14.08			
20	QPSK	100	0	14.06	14.10	14.17	15		
20	16QAM	1	0	13.93	14.23	14.10			
20	16QAM	1	49	14.08	13.85	13.99			
20	16QAM	1	99	13.87	14.09	13.93	15		
20	16QAM	50	0	14.06	13.99	14.13			
20	16QAM	50	24	14.32	14.43	14.32			
20	16QAM	50	50	14.28	14.29	14.29	15		
20	16QAM	100	0	14.30	14.38	14.39			
20	64QAM	1	0	14.04	14.15	14.37			
20	64QAM	1	49	14.08	14.01	13.89	15		
20	64QAM	1	99	14.35	13.92	14.39			
20	64QAM	50	0	14.05	14.14	14.09			
20	64QAM	50	24	14.07	14.18	14.12	15		
20	64QAM	50	50	14.11	14.06	14.08			
20	64QAM	100	0	14.14	14.12	14.21			
Channel				20025	20175	20325	Tune-up limit (dBm)		
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	14.87	14.91	15.01	16		
15	QPSK	1	37	14.91	15.00	14.92			
15	QPSK	1	74	14.78	15.00	15.03			
15	QPSK	36	0	14.01	14.08	14.11	15		
15	QPSK	36	20	14.05	14.18	14.14			
15	QPSK	36	39	14.10	14.09	14.18			
15	QPSK	75	0	14.05	14.07	14.08	15		
15	16QAM	1	0	13.99	14.21	13.93			
15	16QAM	1	37	14.07	14.07	13.91			
15	16QAM	1	74	13.93	14.23	14.02	15		
15	16QAM	36	0	13.94	13.96	14.15			
15	16QAM	36	20	13.89	13.96	14.02			
15	16QAM	36	39	13.85	13.94	14.00	15		
15	16QAM	75	0	13.98	13.97	14.08			
15	64QAM	1	0	13.91	14.22	14.27			
15	64QAM	1	37	14.33	14.09	14.15	15		
15	64QAM	1	74	14.37	14.08	14.12			
15	64QAM	36	0	14.02	14.09	14.13			
15	64QAM								

3	16QAM	8	0	14.57	14.70	14.62	15	
3	16QAM	8	4	14.64	14.61	14.67		
3	16QAM	8	7	14.54	14.59	14.62		
3	16QAM	15	0	14.57	14.61	14.56		
3	64QAM	1	0	14.10	14.03	14.06		
3	64QAM	1	8	14.52	14.51	14.11		
3	64QAM	1	14	14.13	14.49	14.13		
3	64QAM	8	0	14.05	14.07	13.91		
3	64QAM	8	4	14.15	14.05	14.05		
3	64QAM	8	7	14.25	14.14	14.00		
3	64QAM	15	0	14.10	14.10	14.08		
Channel				18807	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	15.03	15.06	15.01		16
1.4	QPSK	1	3	14.93	14.91	14.90		
1.4	QPSK	1	5	14.90	14.88	14.86		
1.4	QPSK	3	0	14.90	14.90	14.86		
1.4	QPSK	3	1	14.94	14.91	14.89		
1.4	QPSK	3	3	14.96	15.00	14.89		
1.4	QPSK	6	0	13.98	13.97	13.96		
1.4	16QAM	1	0	14.02	14.02	13.96		
1.4	16QAM	1	3	13.98	14.18	14.16		
1.4	16QAM	1	5	13.86	14.06	13.74		
1.4	16QAM	3	0	13.88	13.93	13.90		
1.4	16QAM	3	1	14.06	13.88	13.93		
1.4	16QAM	3	3	14.08	14.05	13.79		
1.4	16QAM	6	0	14.09	14.02	13.97		
1.4	64QAM	1	0	13.97	13.89	13.92		
1.4	64QAM	1	3	13.99	14.20	14.08		
1.4	64QAM	1	5	13.97	14.32	13.91		
1.4	64QAM	3	0	14.00	14.06	14.07		
1.4	64QAM	3	1	14.09	14.06	14.27		
1.4	64QAM	3	3	14.01	14.15	13.92		
1.4	64QAM	6	0	14.06	14.09	13.98		

3	16QAM	8	0	13.92	13.93	14.02	15	
3	16QAM	8	4	14.02	14.02	14.03		
3	16QAM	8	7	14.24	14.32	14.36		
3	16QAM	15	0	14.24	14.22	14.29		
3	64QAM	1	0	13.91	14.00	13.98		
3	64QAM	1	8	14.10	13.98	14.14		
3	64QAM	1	14	13.91	13.98	13.81		
3	64QAM	8	0	13.89	13.93	13.87		
3	64QAM	8	4	14.01	13.99	14.03		
3	64QAM	8	7	13.95	14.02	14.14		
3	64QAM	15	0	13.91	13.99	13.90		
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	14.96	15.01	14.99		16
1.4	QPSK	1	3	14.90	14.90	14.94		
1.4	QPSK	1	5	14.76	14.85	14.87		
1.4	QPSK	3	0	14.84	14.81	14.80		
1.4	QPSK	3	1	14.80	14.90	14.95		
1.4	QPSK	3	3	14.79	14.86	14.85		
1.4	QPSK	6	0	13.95	13.97	13.93		
1.4	16QAM	1	0	13.89	14.36	14.02		
1.4	16QAM	1	3	14.02	14.10	14.14		
1.4	16QAM	1	5	14.08	14.24	14.04		
1.4	16QAM	3	0	14.11	14.15	14.06		
1.4	16QAM	3	1	14.12	14.15	14.17		
1.4	16QAM	3	3	14.11	14.23	14.12		
1.4	16QAM	6	0	14.02	14.03	13.94		
1.4	64QAM	1	0	13.80	13.74	13.88		
1.4	64QAM	1	3	14.06	14.04	14.16		
1.4	64QAM	1	5	13.97	13.93	13.77		
1.4	64QAM	3	0	13.88	13.86	14.05		
1.4	64QAM	3	1	13.79	13.94	13.91		
1.4	64QAM	3	3	13.85	14.02	13.90		
1.4	64QAM	6	0	13.84	13.85	13.92		

Band 5 (Cellular Band)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	20.51	20.52	20.44	21.5		
10	QPSK	1	25	20.37	20.40	20.20			
10	QPSK	1	49	20.29	20.41	20.09			
10	QPSK	25	0	19.82	19.84	19.65	20.5		
10	QPSK	25	12	19.58	19.60	19.65			
10	QPSK	25	25	19.58	19.69	19.74			
10	QPSK	50	0	19.64	19.52	19.66	20.5		
10	16QAM	1	0	19.68	19.87	19.58			
10	16QAM	1	25	19.91	19.94	19.62			
10	16QAM	1	49	19.74	19.80	19.87	20.5		
10	16QAM	25	0	19.83	19.84	19.66			
10	16QAM	25	12	19.77	19.85	19.63			
10	16QAM	25	25	19.80	19.73	19.76	20.5		
10	16QAM	50	0	19.81	19.72	19.62			
10	64QAM	1	0	19.77	19.87	19.75			
10	64QAM	1	25	19.74	19.94	19.74	20.5		
10	64QAM	1	49	19.63	19.85	19.76			
10	64QAM	25	0	19.74	19.85	19.52			
10	64QAM	25	12	19.73	19.90	19.61	20.5		
10	64QAM	25	25	19.85	19.74	19.44			
10	64QAM	50	0	19.81	19.77	19.63			
Channel				20425	20525	20625	Tune-up limit (dBm)		
Frequency (MHz)				826.5	836.5	846.5			
5	QPSK	1	0	20.46	20.42	20.40		21.5	
5	QPSK	1	12	20.36	20.47	20.31			
5	QPSK	1	24	20.36	20.31	20.31			
5	QPSK	12	0	19.73	19.78	19.64	20.5		
5	QPSK	12	7	19.80	19.81	19.73			
5	QPSK	12	13	19.85	19.69	19.64			
5	QPSK	25	0	19.76	19.72	19.64	20.5		
5	16QAM	1	0	20.05	19.98	19.74			
5	16QAM	1	12	19.75	19.97	19.73			
5	16QAM	1	24	19.62	19.97	19.80	20.5		
5	16QAM	12	0	19.71	19.80	19.79			
5	16QAM	12	7	19.78	19.81	19.63			
5	16QAM	12	13	19.78	19.69	19.74	20.5		
5	16QAM	25	0	19.79	19.84	19.79			
5	64QAM	1	0	19.86	19.74	19.85			
5	64QAM	1	12	19.74	19.68	19.82	20.5		
5	64QAM	1	24	19.88	19.72	19.66			
5	64QAM	12	0	19.60	19.74	19.54			
5	64QAM	12	7	19.64	19.80	19.58	20.5		
5	64QAM	12	13	19.82	19.77	19.34			
5	64QAM	25	0	19.70	19.77	19.38			
Channel				20415	20525	20635	Tune-up limit (dBm)		
Frequency (MHz)				825.5	836.5	847.5			
3	QPSK	1	0	20.45	20.46	20.31		21.5	
3	QPSK	1	8	20.41	20.42	20.33			
3	QPSK	1	14	20.42	20.40	20.14			
3	QPSK	8	0	19.66	19.79	19.77	20.5		
3	QPSK	8	4	19.80	19.86	19.83			
3	QPSK	8	7	19.75	19.77	19.64			
3	QPSK	15	0	19.73	19.79	19.78	20.5		
3	16QAM	1	0	19.75	19.86	19.93			
3	16QAM	1	8	19.68	19.94	19.78			
3	16QAM	1	14	19.73	19.99	19.74	20.5		
3	16QAM	8	0	19.69	19.78	19.52			
3	16QAM	8	4	19.85	19.96	19.53			
3	16QAM	8	7	19.77	19.83	19.57	20.5		
3	16QAM	15	0	19.71	19.73	19.28			
3	64QAM	1	0	19.66	19.54	19.75			
3	64QAM	1	8	19.54	19.78	19.54	20.5		
3	64QAM	1	14	19.56	19.74	19.55			
3	64QAM	8	0	19.66	19.76	19.74			
3	64QAM	8	4	19.88	19.72	19.66	20.5		
3	64QAM	8	7	19.83	19.75	19.72			
3	64QAM	15	0	19.72	19.82	19.62			
Channel				20407	20525	20643	Tune-up limit (dBm)		
Frequency (MHz)				824.7	836.5	848.3			
1.4	QPSK	1	0	20.46	20.43	20.47		21.5	
1.4	QPSK	1	3	20.49	20.42	20.49			
1.4	QPSK	1	5	20.38	20.32	20.33			
1.4	QPSK	3	0	20.39	20.45	20.41	20.5		
1.4	QPSK	3	1	20.45	20.32	20.42			
1.4	QPSK	3	3	20.46	20.38	20.38			
1.4	QPSK	6	0	19.71	19.70	19.69	20.5		
1.4	16QAM	1	0	19.84	19.65	19.82			
1.4	16QAM	1	3	19.64	19.88	19.77			
1.4	16QAM	1	5	20.03	19.71	19.77	20.5		
1.4	16QAM	3	0	19.56	19.54	19.68			
1.4	16QAM	3	1	19.59	19.86	19.72			
1.4	16QAM	3	3	19.67	19.78	19.66	20.5		
1.4	16QAM	6	0	19.86	19.73	19.77			
1.4	64QAM	1	0	19.39	19.56	19.58			
1.4	64QAM	1	3	19.70	19.71	19.66	20.5		
1.4	64QAM	1	5	19.65	19.64	19.52			
1.4	64QAM	3	0	19.31	19.58	19.59			
1.4	64QAM	3	1	19.59	19.53	19.54	20.5		
1.4	64QAM	3	3	19.49	19.66	19.70			
1.4	64QAM	6	0	19.70	19.82	19.71			

Band 7 (2600MHz Band)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560			
20	QPSK	1	0	14.10	14.11	14.03	15		
20	QPSK	1	49	14.05	14.09	13.98			
20	QPSK	1	99	14.00	13.95	14.00			
20	QPSK	50	0	13.16	13.23	13.20	14		
20	QPSK	50	24	12.92	12.89	12.79			
20	QPSK	50	50	13.02	13.05	13.02			
20	QPSK	100	0	12.97	12.99	12.96	14		
20	16QAM	1	0	12.78	12.88	13.06			
20	16QAM	1	49	12.93	12.79	13.07			
20	16QAM	1	99	12.87	13.18	12.83	14		
20	16QAM	50	0	12.72	12.82	12.75			
20	16QAM	50	24	12.77	12.69	12.80			
20	16QAM	50	50	12.85	12.90	12.73	14		
20	16QAM	100	0	12.73	12.85	12.83			
20	64QAM	1	0	12.61	12.45	12.18			
20	64QAM	1	49	12.55	12.52	12.57	14		
20	64QAM	1	99	12.53	12.58	12.49			
20	64QAM	50	0	12.47	12.48	12.53			
20	64QAM	50	24	12.52	12.53	12.53	14		
20	64QAM	50	50	12.56	12.63	12.48			
20	64QAM	100	0	12.49	12.46	12.58			
Channel				20825	21100	21375	Tune-up limit (dBm)		
Frequency (MHz)				2507.5	2535	2562.5			
15	QPSK	1	0	13.93	14.02	14.02		15	
15	QPSK	1	37	14.03	14.00	14.04			
15	QPSK	1	74	13.97	14.04	14.04			
15	QPSK	36	0	12.75	12.84	12.86	14		
15	QPSK	36	20	12.83	12.90	12.85			
15	QPSK	36	39	12.86	12.89	12.93			
15	QPSK	75	0	12.92	12.85	12.87	14		
15	16QAM	1	0	13.28	13.39	13.46			
15	16QAM	1	37	13.10	13.21	13.19			
15	16QAM	1	74	13.14	13.14	13.36	14		
15	16QAM	36	0	12.73	12.84	12.86			
15	16QAM	36	20	12.80	12.83	12.82			
15	16QAM	36	39	12.86	12.84	12.73	14		
15	16QAM	75	0	12.81	12.89	12.81			
15	64QAM	1	0	12.71	12.68	12.56			
15	64QAM	1	37	12.61	12.76	12.85	14		
15	64QAM	1	74	12.60	12.72	12.78			
15	64QAM	36	0	12.45	12.53	12.52			
15	64QAM	36	20	12.56	12.55	12.62	14		
15	64QAM	36	39	12.60	12.51	12.53			
15	64QAM	75	0	12.45	12.55	12.50			
Channel				20900	21100	21400	Tune-up limit (dBm)		
Frequency (MHz)				2505	2535	2565			
10	QPSK	1	0	13.92	13.79	13.82		15	
10	QPSK	1	25	13.95	13.85	13.87			
10	QPSK	1	49	13.88	13.85	13.87			
10	QPSK	25	0	12.67	12.67	12.66	14		
10	QPSK	25	12	12.63	12.75	12.80			
10	QPSK	25	25	12.56	12.74	12.74		</	

Band 26 for FCC							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	21.50	21.54	21.51	22.5
15	QPSK	1	37	21.48	21.45	21.51	
15	QPSK	1	74	21.46	21.44	21.46	
15	QPSK	36	0	20.82	20.90	20.78	21.5
15	QPSK	36	20	20.71	20.65	20.50	
15	QPSK	36	39	20.73	20.52	20.58	
15	QPSK	75	0	20.79	20.53	20.60	21.5
15	16QAM	1	0	20.51	20.66	20.94	
15	16QAM	1	37	20.47	20.58	20.72	
15	16QAM	1	74	20.62	20.51	20.52	21.5
15	16QAM	36	0	20.62	20.48	20.51	
15	16QAM	36	20	20.57	20.37	20.52	
15	16QAM	36	39	20.64	20.44	20.52	21.5
15	16QAM	75	0	20.52	20.54	20.54	
15	64QAM	1	0	19.94	19.81	19.63	
15	64QAM	1	37	19.59	19.63	19.73	21.5
15	64QAM	1	74	19.63	19.59	19.91	
15	64QAM	36	0	19.99	19.80	19.79	
15	64QAM	36	20	20.08	19.80	19.71	21.5
15	64QAM	36	39	20.06	19.86	19.62	
15	64QAM	75	0	20.00	19.83	19.76	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.42	21.46	21.43	22.5
10	QPSK	1	25	21.45	21.44	21.37	
10	QPSK	1	49	21.31	21.44	21.36	
10	QPSK	25	0	20.84	20.65	20.51	21.5
10	QPSK	25	12	20.80	20.62	20.41	
10	QPSK	25	25	20.79	20.63	20.48	
10	QPSK	50	0	20.80	20.68	20.50	21.5
10	16QAM	1	0	20.52	20.84	20.61	
10	16QAM	1	25	20.61	20.70	20.75	
10	16QAM	1	49	20.55	20.54	20.52	21.5
10	16QAM	25	0	20.56	20.70	20.99	
10	16QAM	25	12	20.57	20.73	20.81	
10	16QAM	25	25	20.74	20.62	20.68	21.5
10	16QAM	50	0	20.91	20.78	20.80	
10	64QAM	1	0	19.89	19.89	19.71	
10	64QAM	1	25	19.99	19.71	19.73	21.5
10	64QAM	1	49	19.71	19.70	19.70	
10	64QAM	25	0	20.06	19.83	19.78	
10	64QAM	25	12	19.82	19.84	19.77	21.5
10	64QAM	25	25	19.72	19.85	19.60	
10	64QAM	50	0	20.02	19.81	19.74	
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.41	21.46	21.42	22.5
5	QPSK	1	12	21.36	21.40	21.42	
5	QPSK	1	24	21.32	21.44	21.44	
5	QPSK	12	0	20.78	20.60	20.49	21.5
5	QPSK	12	7	20.88	20.59	20.59	
5	QPSK	12	13	20.77	20.54	20.48	
5	QPSK	25	0	20.81	20.62	20.67	21.5
5	16QAM	1	0	20.52	20.52	20.53	
5	16QAM	1	12	20.56	20.46	20.43	
5	16QAM	1	24	20.61	20.61	20.66	21.5
5	16QAM	12	0	20.89	20.71	20.69	
5	16QAM	12	7	20.74	20.76	20.45	
5	16QAM	12	13	20.86	20.71	20.50	21.5
5	16QAM	25	0	20.41	20.55	20.52	
5	64QAM	1	0	19.90	19.72	19.70	
5	64QAM	1	12	19.79	19.90	19.71	21.5
5	64QAM	1	24	19.73	19.70	19.70	
5	64QAM	12	0	20.00	19.78	19.61	
5	64QAM	12	7	19.59	19.91	19.62	21.5
5	64QAM	12	13	19.99	19.88	19.54	
5	64QAM	25	0	19.99	19.78	19.60	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.45	21.42	21.47	22.5
3	QPSK	1	8	21.36	21.44	21.36	
3	QPSK	1	14	21.41	21.37	21.43	
3	QPSK	8	0	20.68	20.52	20.71	21.5
3	QPSK	8	4	20.85	20.59	20.48	
3	QPSK	8	7	20.85	20.58	20.69	
3	QPSK	15	0	20.70	20.50	20.60	21.5
3	16QAM	1	0	20.81	20.75	20.76	
3	16QAM	1	8	20.80	20.69	20.72	
3	16QAM	1	14	20.78	20.63	20.63	21.5
3	16QAM	8	0	20.87	20.50	20.57	
3	16QAM	8	4	20.81	20.48	20.52	
3	16QAM	8	7	20.57	20.54	20.48	21.5
3	16QAM	15	0	20.64	20.51	20.61	
3	64QAM	1	0	19.59	20.03	19.82	
3	64QAM	1	8	19.89	19.99	19.73	21.5
3	64QAM	1	14	19.83	19.99	19.89	
3	64QAM	8	0	19.72	19.77	19.67	
3	64QAM	8	4	19.72	19.81	19.67	21.5
3	64QAM	8	7	19.99	19.87	19.66	
3	64QAM	15	0	19.99	19.85	19.64	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.32	21.42	21.42	22.5
1.4	QPSK	1	3	21.31	21.42	21.34	
1.4	QPSK	1	5	21.31	21.33	21.33	
1.4	QPSK	3	0	21.45	21.33	21.35	
1.4	QPSK	3	1	21.36	21.36	21.41	
1.4	QPSK	3	3	21.36	21.42	21.44	21.5
1.4	QPSK	6	0	20.46	20.68	20.71	
1.4	16QAM	1	0	20.51	20.58	20.58	
1.4	16QAM	1	3	20.58	20.52	20.52	
1.4	16QAM	1	5	20.67	20.81	20.62	

Band 66							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	14.98	15.04	15.02	16
20	QPSK	1	49	14.83	14.82	14.78	
20	QPSK	1	99	14.76	14.75	14.78	
20	QPSK	50	0	14.21	14.28	14.24	15
20	QPSK	50	24	14.02	14.04	14.17	
20	QPSK	50	50	14.06	14.14	14.02	
20	QPSK	100	0	14.04	14.04	13.96	15
20	16QAM	1	0	14.09	13.85	14.13	
20	16QAM	1	49	14.14	13.88	13.94	
20	16QAM	1	99	14.14	14.32	14.11	15
20	16QAM	50	0	14.26	14.23	14.20	
20	16QAM	50	24	14.15	14.15	14.16	
20	16QAM	50	50	14.12	14.04	14.00	15
20	16QAM	100	0	14.08	14.11	14.17	
20	64QAM	1	0	14.24	14.01	14.34	
20	64QAM	1	49	14.01	14.34	14.33	15
20	64QAM	1	99	14.24	14.36	14.44	
20	64QAM	50	0	14.20	14.10	14.23	
20	64QAM	50	24	14.14	14.08	14.20	15
20	64QAM	50	50	14.16	14.04	14.10	
20	64QAM	100	0	14.15	14.15	14.13	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	14.84	14.88	14.86	16
15	QPSK	1	37	14.98	14.84	14.82	
15	QPSK	1	74	14.82	14.78	14.76	
15	QPSK	36	0	14.03	14.00	14.04	15
15	QPSK	36	20	14.03	13.95	14.05	
15	QPSK	36	39	13.89	13.94	13.91	
15	QPSK	75	0	13.98	14.02	13.95	15
15	16QAM	1	0	13.97	13.84	14.14	
15	16QAM	1	37	13.84	14.14	14.07	
15	16QAM	1	74	13.94	13.84	13.84	15
15	16QAM	36	0	14.15	14.15	14.06	
15	16QAM	36	20	14.18	14.17	14.23	
15	16QAM	36	39	14.10	14.25	14.19	15
15	16QAM	75	0	14.20	14.18	14.14	
15	64QAM	1	0	14.34	14.24	14.34	
15	64QAM	1	37	14.36	14.14	14.24	15
15	64QAM	1	74	14.01	14.27	14.34	
15	64QAM	36	0	14.13	14.12	14.25	
15	64QAM	36	20	14.23	14.19	14.20	15
15	64QAM	36	39	14.12	14.06	14.10	
15	64QAM	75	0	14.14	14.16	14.13	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	14.82	14.82	14.83	16
10	QPSK	1	25	14.72	14.70	14.78	
10	QPSK	1	49	14.86	14.74	14.64	
10	QPSK	25	0	14.29	14.22	14.29	15
10	QPSK	25	12	14.26	14.45	14.23	
10	QPSK	25	25	14.27	14.23	14.15	
10	QPSK	50	0	14.35	14.20	14.39	15
10	16QAM	1	0	14.27	14.27	14.47	
10	16QAM	1	25	14.27	14.36	14.48	
10	16QAM	1	49	14.10	14.30	14.18	15
10	16QAM	25	0	14.11	14.28	14.	

1.4	16QAM	3	0	20.68	20.44	20.69	21.5
1.4	16QAM	3	1	20.68	20.47	20.60	
1.4	16QAM	3	3	20.68	20.45	20.41	
1.4	16QAM	6	0	21.04	21.01	20.99	21.5
1.4	64QAM	1	0	19.93	19.90	19.95	
1.4	64QAM	1	3	19.99	19.99	19.99	21.5
1.4	64QAM	1	5	19.89	19.92	20.03	
1.4	64QAM	3	0	19.98	19.99	19.99	
1.4	64QAM	3	1	20.03	19.91	19.95	
1.4	64QAM	3	3	19.95	19.99	19.90	
1.4	64QAM	6	0	20.02	19.95	19.66	21.5

3	16QAM	8	0	14.06	14.06	13.97	15
3	16QAM	8	4	14.09	14.08	14.14	
3	16QAM	8	7	14.01	14.16	14.10	
3	16QAM	15	0	14.11	14.09	14.05	15
3	64QAM	1	0	14.25	14.15	14.25	
3	64QAM	1	8	14.27	14.05	14.15	15
3	64QAM	1	14	13.92	14.18	14.25	
3	64QAM	8	0	14.04	14.03	14.16	
3	64QAM	8	4	14.14	14.10	14.11	15
3	64QAM	8	7	14.03	13.97	14.01	
3	64QAM	15	0	14.05	14.07	14.04	15
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	14.72	14.63	14.64	16
1.4	QPSK	1	3	14.78	14.80	14.80	
1.4	QPSK	1	5	14.70	14.58	14.74	
1.4	QPSK	3	0	14.69	14.62	14.69	
1.4	QPSK	3	1	14.66	14.72	14.63	
1.4	QPSK	3	3	14.67	14.63	14.55	15
1.4	QPSK	6	0	14.27	14.12	14.31	
1.4	16QAM	1	0	14.19	14.19	14.39	15
1.4	16QAM	1	3	14.19	14.28	14.40	
1.4	16QAM	1	5	14.02	14.22	14.10	
1.4	16QAM	3	0	13.97	13.94	14.20	15
1.4	16QAM	3	1	14.06	13.96	14.08	
1.4	16QAM	3	3	14.07	14.08	14.02	
1.4	16QAM	6	0	13.96	13.87	13.88	15
1.4	64QAM	1	0	14.30	14.15	14.31	
1.4	64QAM	1	3	14.03	14.12	14.12	15
1.4	64QAM	1	5	14.00	14.00	14.11	
1.4	64QAM	3	0	14.09	14.07	14.09	
1.4	64QAM	3	1	14.08	14.12	14.16	
1.4	64QAM	3	3	14.08	14.01	14.03	
1.4	64QAM	6	0	13.98	14.08	14.09	15

Band 38(only on channel required)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				37850	38000	38150	19		
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	18.00	18.07	18.04			
20	QPSK	1	49	17.99	18.01	18.01			
20	QPSK	1	99	17.91	17.97	17.94			
20	QPSK	50	0	17.11	17.33	17.19			
20	QPSK	50	24	17.04	17.11	17.07			
20	QPSK	50	50	17.08	17.13	17.07			
20	QPSK	100	0	16.96	17.07	17.10			
20	16QAM	1	0	17.08	17.08	17.01			
20	16QAM	1	49	17.07	16.67	17.07			
20	16QAM	1	99	17.23	17.22	17.33			
20	16QAM	50	0	17.08	17.22	16.83			
20	16QAM	50	24	17.19	17.01	16.92			
20	16QAM	50	50	17.18	16.82	16.86			
20	16QAM	100	0	17.19	17.22	16.88			
20	64QAM	1	0	17.00	17.28	17.31			
20	64QAM	1	49	17.00	17.19	17.29			
20	64QAM	1	99	17.02	17.29	17.33			
20	64QAM	50	0	17.01	17.00	16.89			
20	64QAM	50	24	17.03	16.99	16.98			
20	64QAM	50	50	17.01	16.78	17.00			
20	64QAM	100	0	17.01	16.97	16.88			
Channel				37825	38000	38175	19		
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	17.91	17.91	17.92			
15	QPSK	1	37	17.92	17.84	17.95			
15	QPSK	1	74	17.73	17.95	17.92			
15	QPSK	36	0	17.04	17.29	17.33			
15	QPSK	36	20	17.24	17.33	17.29			
15	QPSK	36	39	17.31	17.29	17.22			
15	QPSK	75	0	17.19	17.19	17.20			
15	16QAM	1	0	17.27	17.29	17.19			
15	16QAM	1	37	17.29	17.33	17.01			
15	16QAM	1	74	17.30	17.20	17.00			
15	16QAM	36	0	17.07	17.03	16.92			
15	16QAM	36	20	17.05	17.19	16.96			
15	16QAM	36	39	17.07	17.09	16.94			
15	16QAM	75	0	17.03	16.98	16.92			
15	64QAM	1	0	17.14	17.03	17.19			
15	64QAM	1	37	17.02	17.03	17.01			
15	64QAM	1	74	16.97	17.05	17.22			
15	64QAM	36	0	16.89	17.04	16.97			
15	64QAM	36	20	17.17	17.03	16.91			
15	64QAM	36	39	17.01	17.01	17.02			
15	64QAM	75	0	17.19	17.01	17.05			
Channel				37800	38000	38200	19		
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	17.94	17.95	17.95			
10	QPSK	1	25	17.94	17.74	17.94			
10	QPSK	1	49	17.88	17.90	17.93			
10	QPSK	25	0	17.03	16.89	16.89			
10	QPSK	25	12	17.26	17.22	16.93			
10	QPSK	25	25	17.27	17.29	16.89			
10	QPSK	50	0	17.25	17.17	16.89			
10	16QAM	1	0	17.11	16.88	17.19			
10	16QAM	1	25	16.99	16.89	17.29			
10	16QAM	1	49	17.36	16.92	17.01			
10	16QAM	25	0	16.89	17.00	16.96			
10	16QAM	25	12	17.19	16.89	17.02			
10	16QAM	25	25	16.89	17.03	17.08			
10	16QAM	50	0	17.01	17.05	16.97			
10	64QAM	1	0	17.01	17.04	16.97			
10	64QAM	1	25	16.92	17.17	17.07			
10	64QAM	1	49	17.28	17.02	17.07			
10	64QAM	25	0	16.87	16.87	16.97			
10	64QAM	25	12	16.87	17.07	17.08			
10	64QAM	25	25	16.83	17.03	16.99			
10	64QAM	50	0	16.89	17.05	16.95			
Channel				37775	38000	38225	19		
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	17.80	17.90	17.74			
5	QPSK	1	12	17.74	17.95	17.93			
5	QPSK	1	24	17.74	17.73	17.72			
5	QPSK	12	0	17.16	17.64	17.23			
5	QPSK	12	7	17.30	17.29	17.29			
5	QPSK	12	13	17.18	17.20	17.22			
5	QPSK	25	0	17.22	17.23	16.89			
5	16QAM	1	0	17.40	17.51	17.41			
5	16QAM	1	12	17.01	17.19	16.89			
5	16QAM	1	24	17.01	17.02	17.01			
5	16QAM	12	0	17.02	17.07	17.01			
5	16QAM	12	7	17.01	17.03	17.01			
5	16QAM	12	13	16.92	17.04	17.01			
5	16QAM	25	0	17.19	16.91	17.09			
5	64QAM	1	0	16.95	17.28	16.89			
5	64QAM	1	12	17.22	17.22	17.29			
5	64QAM	1	24	17.22	17.22	17.19			
5	64QAM	12	0	16.93	17.05	17.01			
5	64QAM	12	7	17.02	17.03	16.94			
5	64QAM	12	13	17.01	17.04	16.91			
5	64QAM	25	0	17.05	17.07	16.98			

Band 40 (2.3G Band-1)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				38750			19		
Frequency (MHz)				2310					
10	QPSK	1	0		18.04				
10	QPSK	1	25		17.95				
10	QPSK	1	49		17.93				
10	QPSK	25	0		17.34				
10	QPSK	25	12		17.21				
10	QPSK	25	25		17.26				
10	QPSK	50	0		17.04				
10	16QAM	1	0		17.13				
10	16QAM	1	25		17.11				
10	16QAM	1	49		17.15				
10	16QAM	25	0		17.04				
10	16QAM	25	12		17.11				
10	16QAM	25	25		17.08				
10	16QAM	50	0		17.15				
10	64QAM	1	0		17.22				
10	64QAM	1	25		17.01				
10	64QAM	1	49		17.27				
10	64QAM	25	0		16.84				
10	64QAM	25	12		17.04				
10	64QAM	25	25		17.11				
10	64QAM	50	0		17.04				
Channel				38725	38750	38775	19		
Frequency (MHz)				2307.5	2310	2312.5			
5	QPSK	1	0	17.98	17.93	17.84			
5	QPSK	1	12	17.89	17.88	17.99			
5	QPSK	1	24	17.95	17.97	17.81			
5	QPSK	12	0	17.14	17.07	17.19			
5	QPSK	12	7	17.19	17.05	17.15			
5	QPSK	12	13	17.07	17.03	17.08			
5	QPSK	25	0	17.10	16.96	17.17			
5	16QAM	1	0	17.14	17.11	17.19			
5	16QAM	1	12	17.30	17.21	17.28			
5	16QAM	1	24	17.22	17.11	17.10			
5	16QAM	12	0	17.06	16.96	17.12			
5	16QAM	12	7	17.08	17.02	17.05			
5	16QAM	12	13	17.15	16.93	17.12			
5	16QAM	25	0	17.12	17.04	17.07			
5	64QAM	1	0	17.24	17.27	17.02			
5	64QAM	1	12	17.25	16.85	16.61			
5	64QAM	1	24	17.28	16.89	16.65			
5	64QAM	12	0	17.03	17.09	17.19			
5	64QAM	12	7	17.08	17.12	17.15			
5	64QAM	12	13	17.12	17.07	17.09			
5	64QAM	25	0	17.13	17.09	17.12			

Band 40 (2.3G Band-2)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			
10	QPSK	1	0		18.03		19
10	QPSK	1	25		17.94		
10	QPSK	1	49		17.90		
10	QPSK	25	0		17.24		18
10	QPSK	25	12		17.16		
10	QPSK	25	25		17.17		
10	QPSK	50	0		17.14		18
10	16QAM	1	0		17.24		
10	16QAM	1	25		17.15		
10	16QAM	1	49		17.07		18
10	16QAM	25	0		17.19		
10	16QAM	25	12		17.22		
10	16QAM	25	25		17.21		18
10	16QAM	50	0		17.18		
10	64QAM	1	0		17.27		
10	64QAM	1	25		17.20		18
10	64QAM	1	49		17.04		
10	64QAM	25	0		17.16		
10	64QAM	25	12		17.15		18
10	64QAM	25	25		17.12		
10	64QAM	50	0		17.01		
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	17.91	17.86	17.95	19
5	QPSK	1	12	17.86	17.90	17.93	
5	QPSK	1	24	17.79	17.98	17.98	
5	QPSK	12	0	17.14	17.13	17.19	18
5	QPSK	12	7	17.16	17.17	17.19	
5	QPSK	12	13	17.14	17.17	17.17	
5	QPSK	25	0	17.09	17.07	17.23	18
5	16QAM	1	0	17.20	17.26	17.24	
5	16QAM	1	12	17.15	17.13	17.19	
5	16QAM	1	24	17.04	16.95	17.02	18
5	16QAM	12	0	17.12	17.08	17.25	
5	16QAM	12	7	17.04	17.17	17.25	
5	16QAM	12	13	17.10	17.11	17.07	18
5	16QAM	25	0	17.17	17.12	17.21	
5	64QAM	1	0	17.25	16.90	16.94	
5	64QAM	1	12	17.36	16.74	16.86	18
5	64QAM	1	24	17.37	16.92	16.81	
5	64QAM	12	0	17.03	17.06	17.14	
5	64QAM	12	7	16.99	17.00	17.07	18
5	64QAM	12	13	17.04	17.05	17.08	
5	64QAM	25	0	17.12	17.06	17.13	

Band 41 (2535~2655MHz)

BW [MHz]	Modulation	RB Size	RB Offset	Low channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				40140	40390	40640	40890	41140	
Frequency (MHz)				2545	2570	2595	2620	2645	
20	QPSK	1	0	17.98	18.08	18.10	18.03	18.04	24
20	QPSK	1	49	17.94	18.03	18.03	18.04	18.04	
20	QPSK	1	99	17.88	18.04	17.99	18.09	17.84	
20	QPSK	50	0	17.14	17.16	17.20	17.18	17.13	
20	QPSK	50	24	17.14	17.12	16.97	16.94	16.94	23
20	QPSK	50	50	17.17	17.10	16.98	16.97	17.04	
20	QPSK	100	0	17.14	17.17	17.04	16.98	16.94	
20	16QAM	1	0	17.18	17.34	16.97	17.04	16.94	
20	16QAM	1	49	17.17	17.22	16.97	16.92	16.94	23
20	16QAM	1	99	17.24	17.14	17.04	17.02	17.04	
20	16QAM	50	0	17.15	17.24	16.97	17.27	16.94	
20	16QAM	50	24	17.13	17.45	16.94	17.04	16.94	
20	16QAM	50	50	17.19	17.51	17.40	17.01	17.04	23
20	16QAM	100	0	17.13	17.44	17.39	17.08	16.97	
20	64QAM	1	0	17.28	17.19	17.19	17.02	16.98	
20	64QAM	1	49	17.21	17.31	17.01	17.30	16.98	
20	64QAM	1	99	17.11	17.06	16.97	17.06	16.94	23
20	64QAM	50	0	17.07	17.03	17.00	16.95	17.04	
20	64QAM	50	24	16.92	17.19	17.07	17.04	16.97	
20	64QAM	50	50	17.02	17.18	17.21	17.10	17.03	
20	64QAM	100	0	17.00	17.28	17.24	16.92	17.04	
Channel				40115	40378	40640	40903	41165	
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	17.64	17.80	18.00	17.87	17.86	24
15	QPSK	1	37	17.63	17.98	18.04	17.87	17.97	
15	QPSK	1	74	17.63	17.96	17.97	17.80	17.77	
15	QPSK	36	0	16.80	17.14	16.99	17.19	17.80	
15	QPSK	36	20	17.05	17.19	16.95	17.15	17.87	23
15	QPSK	36	39	17.21	17.22	16.94	17.18	17.82	
15	QPSK	75	0	16.99	17.24	16.97	17.21	17.79	
15	16QAM	1	0	16.93	17.05	17.34	16.99	16.79	
15	16QAM	1	37	17.14	17.22	16.91	17.05	16.88	23
15	16QAM	1	74	17.10	17.14	16.48	16.89	16.81	
15	16QAM	36	0	16.97	17.21	16.88	17.08	17.26	
15	16QAM	36	20	17.02	17.15	16.84	17.04	17.28	
15	16QAM	36	39	17.09	17.28	17.38	17.08	17.04	23
15	16QAM	75	0	17.00	17.29	16.86	17.08	16.64	
15	64QAM	1	0	17.10	17.00	17.24	16.88	17.38	
15	64QAM	1	37	17.38	17.14	17.38	17.01	16.50	
15	64QAM	1	74	17.35	17.07	17.17	17.35	16.23	23
15	64QAM	36	0	16.79	17.13	16.95	17.09	16.87	
15	64QAM	36	20	16.94	17.24	17.39	17.02	16.76	
15	64QAM	36	39	16.89	17.23	17.36	17.08	16.68	
15	64QAM	75	0	16.87	17.24	17.36	17.12	16.76	
Channel				40090	40365	40640	40915	41190	
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	17.68	17.89	17.97	17.85	17.84	24
10	QPSK	1	25	17.88	17.94	17.84	17.80	17.79	
10	QPSK	1	49	17.65	17.81	18.04	18.04	17.80	
10	QPSK	25	0	16.98	17.39	17.27	17.23	17.04	
10	QPSK	25	12	17.04	17.38	17.16	17.23	17.04	23
10	QPSK	25	25	17.08	17.47	17.11	17.27	17.40	
10	QPSK	50	0	17.13	17.51	17.19	17.25	16.64	
10	16QAM	1	0	16.99	16.86	17.01	17.26	16.84	
10	16QAM	1	25	17.17	16.95	17.16	17.09	16.88	23
10	16QAM	1	49	17.03	16.91	17.08	17.22	17.03	
10	16QAM	25	0	17.03	16.94	17.22	17.40	16.69	
10	16QAM	25	12	17.16	16.91	17.08	17.34	16.45	
10	16QAM	25	25	17.13	16.98	17.20	17.47	16.96	23
10	16QAM	50	0	17.11	16.94	17.18	17.36	16.72	
10	64QAM	1	0	16.73	17.09	16.69	17.03	17.09	
10	64QAM	1	25	16.76	17.21	16.86	17.08	17.04	
10	64QAM	1	49	16.74	17.10	16.73	16.99	16.85	23
10	64QAM	25	0	16.81	17.24	16.94	17.12	17.01	
10	64QAM	25	12	16.84	17.21	16.83	17.12	16.76	
10	64QAM	25	25	16.93	17.25	16.92	17.09	16.99	
10	64QAM	50	0	16.89	17.22	16.97	17.18	17.05	
Channel				40065	40353	40640	40928	41215	
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	17.65	17.74	17.97	17.94	17.75	24
5	QPSK	1	12	17.64	17.89	17.84	17.97	17.79	
5	QPSK	1	24	17.77	17.80	17.94	17.67	17.80	
5	QPSK	12	0	16.98	17.12	17.16	17.25	16.96	
5	QPSK	12	7	17.06	17.25	17.01	17.31	17.18	23
5	QPSK	12	13	17.00	17.25	17.23	17.37	17.24	
5	QPSK	25	0	17.03	17.26	17.24	17.39	17.17	
5	16QAM	1	0	17.27	17.09	17.25	16.94	17.08	
5	16QAM	1	12	16.88	17.26	17.42	17.10	16.98	23
5	16QAM	1	24	16.74	17.12	17.23	16.95	17.24	
5	16QAM	12	0	16.92	16.87	17.09	17.07	17.04	
5	16QAM	12	7	17.04	16.82	17.19	17.18	17.17	
5	16QAM	12	13	17.10	16.95	17.09	17.11	16.96	23
5	16QAM	25	0	17.02	16.83	17.17	17.18	16.94	
5	64QAM	1	0	17.29	17.14	17.41	16.96	16.99	
5	64QAM	1	12	17.29	17.15	17.34	17.05	16.95	
5	64QAM	1	24	17.14	17.00	17.27	16.91	17.28	23
5	64QAM	12	0	17.09	17.18	16.87	16.99	16.95	
5	64QAM	12	7	17.10	16.86	16.95	17.17	17.03	
5	64QAM	12	13	17.08	16.65	16.74	17.05	16.94	
5	64QAM	25	0	16.82	16.65	16.80	17.14	16.76	

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	16.65	18.00	16	98.78
	CH 6	2437	15.67	17.00	16	
	CH 11	2462	15.43	17.00	16	
802.11g 6Mbps	CH 1	2412	16.05	18.00	15	91.13
	CH 6	2437	15.06	17.00	15	
	CH 11	2462	14.71	16.00	15	
802.11n-HT20 MCS0	CH 1	2412	16.23	18.00	15	90.76
	CH 6	2437	15.62	17.00	15	
	CH 11	2462	15.25	17.00	15	
802.11n-HT40 MCS0	CH 3	2422	14.45	16.00	15	79.85
	CH 6	2437	14.54	16.00	15	
	CH 9	2452	15.49	17.00	15	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	13.31	15.00	14	91.10
	CH 44	5220	13.35	15.00	14	
	CH 48	5240	13.76	15.00	14	
802.11n-HT20 MCS0	CH 36	5180	12.30	14.00	14	91.21
	CH 44	5220	12.73	14.00	14	
	CH 48	5240	13.48	15.00	14	
802.11n-HT40 MCS0	CH 38	5190	13.27	15.00	14	88.77
	CH 46	5230	13.74	15.00	14	
802.11ac-VHT20 MCS0	CH 36	5180	13.15	15.00	14	90.91
	CH 44	5220	13.21	15.00	14	
	CH 48	5240	13.62	15.00	14	
802.11ac-VHT40 MCS0	CH 38	5190	12.88	14.00	14	80.00
	CH 46	5230	13.14	15.00	14	
802.11ac-VHT80 MCS0	CH 42	5210	12.62	14.00	14	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	11.86	13.00	12	91.10
	CH 60	5300	12.03	14.00	12	
	CH 64	5320	11.88	13.00	12	
802.11n-HT20 MCS0	CH 52	5260	11.47	13.00	12	91.21
	CH 60	5300	11.10	13.00	12	
	CH 64	5320	11.37	13.00	12	
802.11n-HT40 MCS0	CH 54	5270	12.02	14.00	12	88.77
	CH 62	5310	11.70	13.00	12	
802.11ac-VHT20 MCS0	CH 52	5260	11.60	13.00	12	90.91
	CH 60	5300	11.64	13.00	12	
	CH 64	5320	11.57	13.00	12	
802.11ac-VHT40 MCS0	CH 54	5270	11.37	13.00	12	80.00
	CH 62	5310	11.04	13.00	12	
802.11ac-VHT80 MCS0	CH 58	5290	10.68	12.00	12	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	12.89	14.50	14	91.10
	CH 120	5600	13.59	15.00	14	
	CH 140	5700	13.20	15.00	14	
802.11n-HT20 MCS0	CH 100	5500	12.48	14.00	14	91.21
	CH 120	5600	12.67	14.00	14	
	CH 140	5700	12.42	14.00	14	
802.11n-HT40 MCS0	CH 102	5510	12.86	14.50	14	88.77
	CH 126	5630	13.83	15.50	14	
	CH 134	5670	13.21	15.00	14	
802.11ac-VHT20 MCS0	CH 100	5500	12.64	14.00	14	90.91
	CH 120	5600	13.20	15.00	14	

	802.11ac-VHT40 MCS0	CH 140	5700	12.95	14.50	14	80.00
		CH 102	5510	12.16	14.00	14	
		CH 126	5630	12.95	14.50	14	
	802.11ac-VHT80 MCS0	CH 134	5670	12.51	14.00	14	70.76
		CH 106	5530	12.17	14.00	14	
		CH 122	5610	12.41	14.00	14	
		CH 138	5690	11.99	13.00	14	

5GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 2	802.11a MCS0	CH 149	5745	12.24	14.00	14	91.10
		CH 157	5785	13.08	15.00	14	
		CH 165	5825	13.13	15.00	14	
	802.11n-HT20 MCS0	CH 149	5745	12.30	14.00	14	91.21
		CH 157	5785	12.36	14.00	14	
		CH 165	5825	12.44	14.00	14	
	802.11n-HT40 MCS0	CH 151	5755	13.17	15.00	14	88.77
		CH 159	5795	12.82	14.00	14	
	802.11ac-VHT20 MCS0	CH 149	5745	12.79	14.00	14	90.91
		CH 157	5785	12.75	14.00	14	
		CH 165	5825	12.94	14.50	14	
	802.11ac-VHT40 MCS0	CH 151	5755	12.52	14.00	14	80.00
		CH 159	5795	12.24	14.00	14	
	802.11ac-VHT80 MCS0	CH 155	5775	12.17	14.00	14	70.76

Reduced Power Level 2

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	512	661	810		512	661	810		
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot	27.45	27.48	27.43	28.50	18.45	18.48	18.43	19.50	0.06
GPRS 1 Tx slot	27.46	27.49	27.44	28.50	18.46	18.49	18.44	19.50	
GPRS 2 Tx slots	24.80	24.81	24.79	25.50	18.80	18.81	18.79	19.50	0.02
GPRS 3 Tx slots	23.66	23.69	23.65	24.50	19.40	19.43	19.39	20.24	0.04
GPRS 4 Tx slots	21.26	21.31	21.27	22.50	18.26	18.31	18.27	19.50	0.05
EDGE 1 Tx slot	23.54	23.64	23.47	24.50	14.54	14.64	14.47	15.50	0.17
EDGE 2 Tx slots	22.56	22.63	22.46	23.50	16.56	16.63	16.46	17.50	0.17
EDGE 3 Tx slots	20.29	20.37	20.36	21.50	16.03	16.11	16.10	17.24	0.08
EDGE 4 Tx slots	18.58	18.62	18.51	19.50	15.58	15.62	15.51	16.50	0.11
Mode		Max.	27.49			Max.	19.43		
Attenuator	Cable Loss : 0.8								

Band	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)	
	9262	9400	9538		1312	1413	1513		
TX Channel	9262	9400	9538		1312	1413	1513		
Rx Channel	9662	9800	9938		1537	1638	1738		
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6		
3GPP Rel 99	RMC 12.2Kbps	19.02	19.05	19.03	20.00	20.09	20.16	20.05	21.00
3GPP Rel 6	HSDPA Subtest-1	18.13	18.16	18.14	19.00	19.11	19.31	19.06	20.00
3GPP Rel 6	HSDPA Subtest-2	18.10	18.13	18.06	19.00	19.14	19.23	19.04	20.00
3GPP Rel 6	HSDPA Subtest-3	18.06	18.14	17.95	19.00	19.12	19.23	19.01	20.00
3GPP Rel 6	HSDPA Subtest-4	18.08	18.16	17.96	19.00	19.14	19.14	19.02	20.00
3GPP Rel 8	DC-HSDPA Subtest-1	18.18	18.14	18.29	19.00	19.09	19.15	19.20	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	18.20	18.10	18.28	19.00	19.18	19.16	19.10	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	18.28	18.25	18.30	19.00	19.18	19.13	19.19	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.22	18.29	18.28	19.00	19.16	19.10	19.15	20.00
3GPP Rel 6	HSUPA Subtest-1	17.95	17.94	17.91	18.50	18.67	18.55	18.66	19.50
3GPP Rel 6	HSUPA Subtest-2	17.93	17.95	17.93	18.50	18.66	18.55	18.68	19.50
3GPP Rel 6	HSUPA Subtest-3	17.91	17.95	17.80	18.50	18.65	18.53	18.59	19.50
3GPP Rel 6	HSUPA Subtest-4	17.90	17.89	17.91	18.50	18.63	18.54	18.67	19.50
3GPP Rel 6	HSUPA Subtest-5	17.89	17.93	17.83	18.50	18.64	18.63	18.60	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.91	17.93	17.66	18.50	18.73	18.49	18.56	19.50
Attenuator		Cable Loss	0.8			Cable Loss	0.6		
Mode		Max.	19.05			Max.	20.16		

3	16QAM	8	0	18.57	18.70	18.82	19	
3	16QAM	8	4	18.64	18.61	18.67		
3	16QAM	8	7	18.54	18.59	18.62		
3	16QAM	15	0	18.57	18.61	18.56		
3	64QAM	1	0	18.10	18.03	18.06		
3	64QAM	1	8	18.52	18.51	18.11		
3	64QAM	1	14	18.13	18.49	18.13		
3	64QAM	8	0	18.05	18.07	17.91		
3	64QAM	8	4	18.15	18.05	18.05		
3	64QAM	8	7	18.25	18.14	18.00		
3	64QAM	15	0	18.10	18.10	18.08		
Channel				18807	18900	19193		Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.03	19.06	19.01		20
1.4	QPSK	1	3	18.93	18.91	18.90		
1.4	QPSK	1	5	18.90	18.88	18.86		
1.4	QPSK	3	0	18.90	18.90	18.86		
1.4	QPSK	3	1	18.94	18.91	18.89		
1.4	QPSK	3	3	18.96	19.00	18.89		
1.4	QPSK	6	0	17.98	17.97	17.96		
1.4	16QAM	1	0	18.02	18.02	17.96		
1.4	16QAM	1	3	17.98	18.18	18.16		
1.4	16QAM	1	5	17.86	18.06	17.74		
1.4	16QAM	3	0	17.88	17.93	17.90		
1.4	16QAM	3	1	18.06	17.88	17.93		
1.4	16QAM	3	3	18.08	18.05	17.79		
1.4	16QAM	6	0	18.09	18.02	17.97		
1.4	64QAM	1	0	17.97	17.89	17.92		
1.4	64QAM	1	3	17.99	18.20	18.08		
1.4	64QAM	1	5	17.97	18.32	17.91		
1.4	64QAM	3	0	18.00	18.06	18.07		
1.4	64QAM	3	1	18.09	18.06	18.27		
1.4	64QAM	3	3	18.01	18.15	17.92		
1.4	64QAM	6	0	18.06	18.09	17.98		
19								

3	16QAM	8	0	18.92	18.93	19.02	20	
3	16QAM	8	4	19.02	19.02	19.03		
3	16QAM	8	7	19.24	19.32	19.36		
3	16QAM	15	0	19.24	19.22	19.29		
3	64QAM	1	0	18.91	19.00	18.98		
3	64QAM	1	8	19.10	18.98	19.14		
3	64QAM	1	14	18.91	18.98	18.81		
3	64QAM	8	0	18.89	18.93	18.87		
3	64QAM	8	4	19.01	18.99	19.03		
3	64QAM	8	7	18.95	19.02	19.14		
3	64QAM	15	0	18.91	18.99	18.90		
Channel				19957	20175	20393		Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.96	20.01	19.99		21
1.4	QPSK	1	3	19.90	19.90	19.94		
1.4	QPSK	1	5	19.76	19.85	19.87		
1.4	QPSK	3	0	19.84	19.81	19.80		
1.4	QPSK	3	1	19.80	19.90	19.95		
1.4	QPSK	3	3	19.79	19.86	19.85		
1.4	QPSK	6	0	18.95	18.97	18.93		
1.4	16QAM	1	0	18.89	19.36	19.02		
1.4	16QAM	1	3	19.02	19.10	19.14		
1.4	16QAM	1	5	19.08	19.24	19.04		
1.4	16QAM	3	0	19.11	19.15	19.06		
1.4	16QAM	3	1	19.12	19.15	19.17		
1.4	16QAM	3	3	19.11	19.23	19.12		
1.4	16QAM	6	0	19.02	19.03	18.94		
1.4	64QAM	1	0	18.80	18.74	18.88		
1.4	64QAM	1	3	19.06	19.04	19.16		
1.4	64QAM	1	5	18.97	18.93	18.77		
1.4	64QAM	3	0	18.88	18.86	19.05		
1.4	64QAM	3	1	18.79	18.94	18.91		
1.4	64QAM	3	3	18.85	19.02	18.90		
1.4	64QAM	6	0	18.84	18.85	18.92		
20								

3	16QAM	8	0	19.06	19.06	18.97	20
3	16QAM	8	4	19.09	19.08	19.14	
3	16QAM	8	7	19.01	19.16	19.10	
3	16QAM	15	0	19.11	19.09	19.05	20
3	64QAM	1	0	19.25	19.15	19.25	
3	64QAM	1	8	19.27	19.05	19.15	
3	64QAM	1	14	18.92	19.18	19.25	20
3	64QAM	8	0	19.04	19.03	19.16	
3	64QAM	8	4	19.14	19.10	19.11	
3	64QAM	8	7	19.03	18.97	19.01	20
3	64QAM	15	0	19.05	19.07	19.04	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	19.72	19.63	19.64	21
1.4	QPSK	1	3	19.78	19.80	19.80	
1.4	QPSK	1	5	19.70	19.58	19.74	
1.4	QPSK	3	0	19.69	19.62	19.69	
1.4	QPSK	3	1	19.66	19.72	19.63	
1.4	QPSK	3	3	19.67	19.63	19.55	
1.4	QPSK	6	0	19.27	19.12	19.31	20
1.4	16QAM	1	0	19.19	19.19	19.39	20
1.4	16QAM	1	3	19.19	19.28	19.40	
1.4	16QAM	1	5	19.02	19.22	19.10	
1.4	16QAM	3	0	18.97	18.94	19.20	
1.4	16QAM	3	1	19.06	18.96	19.08	
1.4	16QAM	3	3	19.07	19.08	19.02	
1.4	16QAM	6	0	18.96	18.87	18.88	20
1.4	64QAM	1	0	19.30	19.15	19.31	20
1.4	64QAM	1	3	19.03	19.12	19.12	
1.4	64QAM	1	5	19.00	19.00	19.11	
1.4	64QAM	3	0	19.09	19.07	19.09	
1.4	64QAM	3	1	19.08	19.12	19.16	
1.4	64QAM	3	3	19.08	19.01	19.03	
1.4	64QAM	6	0	18.98	19.08	19.09	20

Band 40 (2.3G Band-1)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0		20.04		21
10	QPSK	1	25		19.95		
10	QPSK	1	49		19.93		
10	QPSK	25	0		19.34		20
10	QPSK	25	12		19.21		
10	QPSK	25	25		19.26		
10	QPSK	50	0		19.04		20
10	16QAM	1	0		19.13		
10	16QAM	1	25		19.11		
10	16QAM	1	49		19.15		20
10	16QAM	25	0		19.04		
10	16QAM	25	12		19.11		
10	16QAM	25	25		19.08		20
10	16QAM	50	0		19.15		
10	64QAM	1	0		19.22		
10	64QAM	1	25		19.01		20
10	64QAM	1	49		19.27		
10	64QAM	25	0		18.84		
10	64QAM	25	12		19.04		20
10	64QAM	25	25		19.11		
10	64QAM	50	0		19.04		
Channel				38725	38750	38775	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.98	19.93	19.84	21
5	QPSK	1	12	19.89	19.88	19.99	
5	QPSK	1	24	19.95	19.97	19.81	
5	QPSK	12	0	19.14	19.07	19.19	20
5	QPSK	12	7	19.19	19.05	19.15	
5	QPSK	12	13	19.07	19.03	19.06	
5	QPSK	25	0	19.10	18.96	19.17	20
5	16QAM	1	0	19.14	19.11	19.19	
5	16QAM	1	12	19.30	19.21	19.28	
5	16QAM	1	24	19.22	19.11	19.10	20
5	16QAM	12	0	19.06	18.96	19.12	
5	16QAM	12	7	19.08	19.02	19.05	
5	16QAM	12	13	19.15	18.93	19.12	20
5	16QAM	25	0	19.12	19.04	19.07	
5	64QAM	1	0	19.24	19.27	19.02	
5	64QAM	1	12	19.25	18.65	18.61	20
5	64QAM	1	24	19.28	18.89	18.65	
5	64QAM	12	0	19.03	19.09	19.19	
5	64QAM	12	7	19.08	19.12	19.15	20
5	64QAM	12	13	19.12	19.07	19.09	
5	64QAM	25	0	19.13	19.09	19.12	

Band 40 (2.3G Band-2)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			
10	QPSK	1	0		20.03		21
10	QPSK	1	25		19.94		
10	QPSK	1	49		19.90		
10	QPSK	25	0		19.24		20
10	QPSK	25	12		19.16		
10	QPSK	25	25		19.17		
10	QPSK	50	0		19.14		20
10	16QAM	1	0		19.24		
10	16QAM	1	25		19.15		
10	16QAM	1	49		19.07		20
10	16QAM	25	0		19.19		
10	16QAM	25	12		19.22		
10	16QAM	25	25		19.21		20
10	16QAM	50	0		19.18		
10	64QAM	1	0		19.27		
10	64QAM	1	25		19.20		20
10	64QAM	1	49		19.04		
10	64QAM	25	0		19.16		
10	64QAM	25	12		19.15		20
10	64QAM	25	25		19.12		
10	64QAM	50	0		19.01		
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	19.91	19.86	19.95	21
5	QPSK	1	12	19.86	19.90	19.93	
5	QPSK	1	24	19.79	19.98	19.98	
5	QPSK	12	0	19.14	19.13	19.19	20
5	QPSK	12	7	19.16	19.17	19.19	
5	QPSK	12	13	19.14	19.17	19.17	
5	QPSK	25	0	19.09	19.07	19.23	20
5	16QAM	1	0	19.20	19.26	19.24	
5	16QAM	1	12	19.15	19.13	19.19	
5	16QAM	1	24	19.04	18.95	19.02	20
5	16QAM	12	0	19.12	19.08	19.25	
5	16QAM	12	7	19.04	19.17	19.25	
5	16QAM	12	13	19.10	19.11	19.07	20
5	16QAM	25	0	19.17	19.12	19.21	
5	64QAM	1	0	19.25	18.90	18.94	
5	64QAM	1	12	19.36	18.74	18.86	20
5	64QAM	1	24	19.37	18.92	18.81	
5	64QAM	12	0	19.03	19.06	19.14	
5	64QAM	12	7	18.99	19.00	19.07	20
5	64QAM	12	13	19.04	19.05	19.08	
5	64QAM	25	0	19.12	19.06	19.13	

Reduced Power Level 3

GSM1900 TX Channel	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.45	25.48	25.43	26.50	16.45	16.48	16.43	17.50
GPRS 1 Tx slot	25.46	25.49	25.44	26.50	16.46	16.49	16.44	17.50
GPRS 2 Tx slots	22.80	22.81	22.79	23.50	16.80	16.81	16.79	17.50
GPRS 3 Tx slots	21.66	21.69	21.65	22.50	17.40	17.43	17.39	18.24
GPRS 4 Tx slots	19.26	19.31	19.27	20.50	16.26	16.31	16.27	17.50
EDGE 1 Tx slot	21.54	21.64	21.47	22.50	12.54	12.64	12.47	13.50
EDGE 2 Tx slots	20.56	20.63	20.46	21.50	14.56	14.63	14.46	15.50
EDGE 3 Tx slots	18.29	18.37	18.36	19.50	14.03	14.11	14.10	15.24
EDGE 4 Tx slots	16.58	16.62	16.51	17.50	13.58	13.62	13.51	14.50
Mode		Max.	25.49			Max.	17.43	
Attenuator	Cable Loss : 0.8							

Band TX Channel	WCDMA Band II			Tune-up Limit (dBm)	WCDMA Band IV			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513	
Rx Channel	9662	9800	9938		1537	1638	1738	
Frequency (MHz)	1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99 RMC 12.2Kbps	19.02	19.05	19.03	20.00	19.09	19.16	19.05	20.00
3GPP Rel 6 HSDPA Subtest-1	18.13	18.16	18.14	19.00	18.11	18.31	18.06	19.00
3GPP Rel 6 HSDPA Subtest-2	18.10	18.13	18.06	19.00	18.14	18.23	18.04	19.00
3GPP Rel 6 HSDPA Subtest-3	18.06	18.14	17.95	19.00	18.12	18.23	18.01	19.00
3GPP Rel 6 HSDPA Subtest-4	18.08	18.16	17.96	19.00	18.14	18.14	18.02	19.00
3GPP Rel 8 DC-HSDPA Subtest-1	18.18	18.14	18.29	19.00	18.09	18.15	18.20	19.00
3GPP Rel 8 DC-HSDPA Subtest-2	18.20	18.10	18.28	19.00	18.18	18.16	18.10	19.00
3GPP Rel 8 DC-HSDPA Subtest-3	18.28	18.25	18.30	19.00	18.18	18.13	18.19	19.00
3GPP Rel 8 DC-HSDPA Subtest-4	18.22	18.29	18.28	19.00	18.16	18.10	18.15	19.00
3GPP Rel 6 HSUPA Subtest-1	17.95	17.94	17.91	18.50	17.67	17.55	17.66	18.50
3GPP Rel 6 HSUPA Subtest-2	17.93	17.95	17.93	18.50	17.66	17.55	17.68	18.50
3GPP Rel 6 HSUPA Subtest-3	17.91	17.95	17.80	18.50	17.65	17.53	17.59	18.50
3GPP Rel 6 HSUPA Subtest-4	17.90	17.89	17.91	18.50	17.63	17.54	17.67	18.50
3GPP Rel 6 HSUPA Subtest-5	17.89	17.93	17.83	18.50	17.64	17.63	17.60	18.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	17.91	17.93	17.66	18.50	17.73	17.49	17.56	18.50
Attenuator		Cable Loss	0.8			Cable Loss	0.6	
Mode		Max.	19.05			Max.	19.16	

3	16QAM	8	0	18.57	18.70	18.82	19
3	16QAM	8	4	18.64	18.61	18.67	
3	16QAM	8	7	18.54	18.59	18.62	
3	16QAM	15	0	18.57	18.61	18.56	19
3	64QAM	1	0	18.10	18.03	18.06	
3	64QAM	1	8	18.52	18.51	18.11	
3	64QAM	1	14	18.13	18.49	18.13	19
3	64QAM	8	0	18.05	18.07	17.91	
3	64QAM	8	4	18.15	18.05	18.05	
3	64QAM	8	7	18.25	18.14	18.00	19
3	64QAM	15	0	18.10	18.10	18.08	
Channel				18807	18900	19193	
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	19.03	19.06	19.01	20
1.4	QPSK	1	3	18.93	18.91	18.90	
1.4	QPSK	1	5	18.90	18.88	18.86	
1.4	QPSK	3	0	18.90	18.90	18.86	
1.4	QPSK	3	1	18.94	18.91	18.89	
1.4	QPSK	3	3	18.96	19.00	18.89	
1.4	QPSK	6	0	17.98	17.97	17.96	19
1.4	16QAM	1	0	18.02	18.02	17.96	19
1.4	16QAM	1	3	17.98	18.18	18.16	
1.4	16QAM	1	5	17.86	18.06	17.74	
1.4	16QAM	3	0	17.88	17.93	17.90	
1.4	16QAM	3	1	18.06	17.88	17.93	
1.4	16QAM	3	3	18.08	18.05	17.79	
1.4	16QAM	6	0	18.09	18.02	17.97	19
1.4	64QAM	1	0	17.97	17.89	17.92	19
1.4	64QAM	1	3	17.99	18.20	18.08	
1.4	64QAM	1	5	17.97	18.32	17.91	
1.4	64QAM	3	0	18.00	18.06	18.07	
1.4	64QAM	3	1	18.09	18.06	18.27	
1.4	64QAM	3	3	18.01	18.15	17.92	
1.4	64QAM	6	0	18.06	18.09	17.98	19

3	16QAM	8	0	17.92	17.93	18.02	19
3	16QAM	8	4	18.02	18.02	18.03	
3	16QAM	8	7	18.24	18.32	18.36	
3	16QAM	15	0	18.24	18.22	18.29	19
3	64QAM	1	0	17.91	18.00	17.98	
3	64QAM	1	8	18.10	17.98	18.14	
3	64QAM	1	14	17.91	17.98	17.81	19
3	64QAM	8	0	17.89	17.93	17.87	
3	64QAM	8	4	18.01	17.99	18.03	
3	64QAM	8	7	17.95	18.02	18.14	19
3	64QAM	15	0	17.91	17.99	17.90	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.96	19.01	18.99	20
1.4	QPSK	1	3	18.90	18.90	18.94	
1.4	QPSK	1	5	18.76	18.85	18.87	
1.4	QPSK	3	0	18.84	18.81	18.80	
1.4	QPSK	3	1	18.80	18.90	18.95	
1.4	QPSK	3	3	18.79	18.86	18.85	
1.4	QPSK	6	0	17.95	17.97	17.93	19
1.4	16QAM	1	0	17.89	18.36	18.02	19
1.4	16QAM	1	3	18.02	18.10	18.14	
1.4	16QAM	1	5	18.08	18.24	18.04	
1.4	16QAM	3	0	18.11	18.15	18.06	
1.4	16QAM	3	1	18.12	18.15	18.17	
1.4	16QAM	3	3	18.11	18.23	18.12	
1.4	16QAM	6	0	18.02	18.03	17.94	19
1.4	64QAM	1	0	17.80	17.74	17.88	19
1.4	64QAM	1	3	18.06	18.04	18.16	
1.4	64QAM	1	5	17.97	17.93	17.77	
1.4	64QAM	3	0	17.88	17.86	18.05	
1.4	64QAM	3	1	17.79	17.94	17.91	
1.4	64QAM	3	3	17.85	18.02	17.90	
1.4	64QAM	6	0	17.84	17.85	17.92	19

Band 5 (Cellular Band)								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	22.51	22.52	22.44	23.5	
10	QPSK	1	25	22.37	22.40	22.20		
10	QPSK	1	49	22.29	22.41	22.09		
10	QPSK	25	0	21.82	21.84	21.65	22.5	
10	QPSK	25	12	21.58	21.60	21.65		
10	QPSK	25	25	21.58	21.69	21.74		
10	QPSK	50	0	21.64	21.52	21.66	22.5	
10	16QAM	1	0	21.68	21.87	21.58		
10	16QAM	1	25	21.91	21.94	21.62		
10	16QAM	1	49	21.74	21.80	21.87	22.5	
10	16QAM	25	0	21.83	21.84	21.66		
10	16QAM	25	12	21.77	21.85	21.63		
10	16QAM	25	25	21.80	21.73	21.76	22.5	
10	16QAM	50	0	21.81	21.72	21.62		
10	64QAM	1	0	21.77	21.87	21.75		
10	64QAM	1	25	21.74	21.94	21.74	22.5	
10	64QAM	1	49	21.63	21.85	21.76		
10	64QAM	25	0	21.74	21.85	21.52		
10	64QAM	25	12	21.73	21.90	21.61	22.5	
10	64QAM	25	25	21.85	21.74	21.44		
10	64QAM	50	0	21.81	21.77	21.63		
Channel				20425	20525	20625	Tune-up limit (dBm)	
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	22.46	22.42	22.40	23.5	
5	QPSK	1	12	22.36	22.47	22.31		
5	QPSK	1	24	22.36	22.31	22.31		
5	QPSK	12	0	21.73	21.78	21.64	22.5	
5	QPSK	12	7	21.80	21.81	21.73		
5	QPSK	12	13	21.85	21.69	21.64		
5	QPSK	25	0	21.76	21.72	21.64	22.5	
5	16QAM	1	0	22.05	21.98	21.74		
5	16QAM	1	12	21.75	21.97	21.73		
5	16QAM	1	24	21.62	21.97	21.80	22.5	
5	16QAM	12	0	21.71	21.80	21.79		
5	16QAM	12	7	21.78	21.81	21.63		
5	16QAM	12	13	21.78	21.69	21.74	22.5	
5	16QAM	25	0	21.79	21.84	21.79		
5	64QAM	1	0	21.86	21.74	21.85		
5	64QAM	1	12	21.74	21.68	21.82	22.5	
5	64QAM	1	24	21.88	21.72	21.66		
5	64QAM	12	0	21.80	21.74	21.54		
5	64QAM	12	7	21.64	21.80	21.58	22.5	
5	64QAM	12	13	21.82	21.77	21.34		
5	64QAM	25	0	21.70	21.77	21.38		
Channel				20415	20525	20635	Tune-up limit (dBm)	
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	22.45	22.46	22.31	23.5	
3	QPSK	1	8	22.41	22.42	22.33		
3	QPSK	1	14	22.42	22.40	22.14		
3	QPSK	8	0	21.66	21.79	21.77	22.5	
3	QPSK	8	4	21.80	21.86	21.83		
3	QPSK	8	7	21.75	21.77	21.64		
3	QPSK	15	0	21.73	21.79	21.78	22.5	
3	16QAM	1	0	21.75	21.86	21.93		
3	16QAM	1	8	21.68	21.94	21.78		
3	16QAM	1	14	21.73	21.99	21.74	22.5	
3	16QAM	8	0	21.69	21.78	21.52		
3	16QAM	8	4	21.85	21.96	21.53		
3	16QAM	8	7	21.77	21.83	21.57	22.5	
3	16QAM	15	0	21.71	21.73	21.28		
3	64QAM	1	0	21.66	21.54	21.75		
3	64QAM	1	8	21.54	21.78	21.54	22.5	
3	64QAM	1	14	21.56	21.74	21.55		
3	64QAM	8	0	21.66	21.76	21.74		
3	64QAM	8	4	21.88	21.72	21.66	22.5	
3	64QAM	8	7	21.83	21.75	21.72		
3	64QAM	15	0	21.72	21.82	21.62		
Channel				20407	20525	20643	Tune-up limit (dBm)	
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	22.46	22.43	22.47	23.5	
1.4	QPSK	1	3	22.49	22.42	22.49		
1.4	QPSK	1	5	22.38	22.32	22.33		
1.4	QPSK	3	0	22.39	22.45	22.41	22.5	
1.4	QPSK	3	1	22.45	22.32	22.42		
1.4	QPSK	3	3	22.46	22.38	22.38		
1.4	QPSK	6	0	21.71	21.70	21.69	22.5	
1.4	16QAM	1	0	21.84	21.65	21.82		
1.4	16QAM	1	3	21.64	21.88	21.77		
1.4	16QAM	1	5	22.03	21.71	21.77	22.5	
1.4	16QAM	3	0	21.56	21.54	21.68		
1.4	16QAM	3	1	21.59	21.86	21.72		
1.4	16QAM	3	3	21.67	21.78	21.66	22.5	
1.4	16QAM	6	0	21.86	21.73	21.77		
1.4	64QAM	1	0	21.39	21.56	21.58		
1.4	64QAM	1	3	21.70	21.71	21.66	22.5	
1.4	64QAM	1	5	21.65	21.64	21.52		
1.4	64QAM	3	0	21.31	21.58	21.59		
1.4	64QAM	3	1	21.59	21.53	21.54	22.5	
1.4	64QAM	3	3	21.49	21.66	21.70		
1.4	64QAM	6	0	21.70	21.82	21.71		

Band 7 (2600MHz Band)								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	20.10	20.11	20.03	21	
20	QPSK	1	49	20.05	20.09	19.98		
20	QPSK	1	99	20.00	19.95	20.00		
20	QPSK	50	0	19.16	19.23	19.20	20	
20	QPSK	50	24	18.92	18.89	18.79		
20	QPSK	50	50	19.02	19.05	19.02		
20	QPSK	100	0	18.97	18.99	18.96	20	
20	16QAM	1	0	18.78	18.88	19.06		
20	16QAM	1	49	18.93	18.79	19.07		
20	16QAM	1	99	18.87	19.18	18.83	20	
20	16QAM	50	0	18.72	18.82	18.75		
20	16QAM	50	24	18.77	18.69	18.80		
20	16QAM	50	50	18.85	18.90	18.73	20	
20	16QAM	100	0	18.73	18.85	18.83		
20	64QAM	1	0	18.61	18.45	18.18		
20	64QAM	1	49	18.55	18.52	18.57	20	
20	64QAM	1	99	18.53	18.58	18.49		
20	64QAM	50	0	18.47	18.48	18.53		
20	64QAM	50	24	18.52	18.53	18.53	20	
20	64QAM	50	50	18.56	18.63	18.48		
20	64QAM	100	0	18.49	18.46	18.58		
Channel				20825	21100	21375	Tune-up limit (dBm)	
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.93	20.02	20.02	21	
15	QPSK	1	37	20.03	20.00	20.04		
15	QPSK	1	74	19.97	20.04	20.04		
15	QPSK	36	0	18.75	18.84	18.86	20	
15	QPSK	36	20	18.83	18.90	18.85		
15	QPSK	36	39	18.86	18.89	18.93		
15	QPSK	75	0	18.92	18.85	18.87	20	
15	16QAM	1	0	19.28	19.39	19.46		
15	16QAM	1	37	19.10	19.21	19.19		
15	16QAM	1	74	19.14	19.14	19.36	20	
15	16QAM	36	0	18.73	18.84	18.86		
15	16QAM	36	20	18.80	18.83	18.82		
15	16QAM	36	39	18.86	18.84	18.73	20	
15	16QAM	75	0	18.81	18.89	18.81		
15	64QAM	1	0	18.71	18.68	18.56		
15	64QAM	1	37	18.61	18.76	18.85	20	
15	64QAM	1	74	18.60	18.72	18.78		
15	64QAM	36	0	18.45	18.53	18.52		
15	64QAM	36	20	18.56	18.55	18.62	20	
15	64QAM	36	39	18.60	18.51	18.53		
15	64QAM	75	0	18.45	18.55	18.50		
Channel				20800	21100	21400	Tune-up limit (dBm)	
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.92	19.79	19.82	21	
10	QPSK	1	25	19.95	19.85	19.87		
10	QPSK	1	49	19.88	19.85	19.87		
10	QPSK	25	0	18.67	18.67	18.66	20	
10	QPSK	25	12	18.63	18.75	18.80		
10	QPSK	25	25	18.56	18.74	18.74		
10	QPSK	50	0	18.65	18.77	18.76	20	
10	16QAM	1	0	18.90	19.08	18.93		
10	16QAM	1	25	18.89	18.91	18.96		
10	16QAM	1	49	19.36	19.26	19.17	20	
10	16QAM	25	0	18.79	18.67	18.75		
10	16QAM	25	12	18.61	18.78	18.71		
10	16QAM	25	25	18.66	18.69	18.61	20	
10	16QAM	50	0	18.69	18.78	18.63		
10	64QAM	1	0	18.71	18.67	18.65		
10	64QAM	1	25	18.40	18.65	18.48	20	
10	64QAM	1	49	18.51	18.75	18.56		
10	64QAM	25	0	18.37	18.35	18.39		
10	64QAM	25	12	18.39	18.50	18.43	20	
10	64QAM	25	25	18.32	18.22	18.21		
10	64QAM	50	0	18.26	18.32	18.24		
Channel				20775	21100	21425	Tune-up limit (dBm)	
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.96	19.87	19.77	21	
5	QPSK	1	12	19.83	19.76	19.84		
5	QPSK	1	24	19.77	19.83	19.87		
5	QPSK	12	0	18.47	18.55	18.47	20	
5	QPSK	12	7	18.54	18.69	18.61		
5	QPSK	12	13	18.56	18.72	18.57		
5	QPSK	25	0	18.57	18.58	18.53	20	
5	16QAM	1	0	18.75	18.73	18.79		
5	16QAM	1	12	18.80	19.02	18.92		
5	16QAM	1	24	18.86	19.05	18.87	20	
5	16QAM	12	0	18.77	18.83	18.74		
5	16QAM	12	7	18.66	18.68	18.64		
5	16QAM	12	13	18.66	18.72	18.85	20	

Band 66

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	18.98	19.04	19.02	20
20	QPSK	1	49	18.83	18.82	18.78	
20	QPSK	1	99	18.76	18.75	18.78	
20	QPSK	50	0	18.21	18.28	18.24	19
20	QPSK	50	24	18.02	18.04	18.17	
20	QPSK	50	50	18.06	18.14	18.02	
20	QPSK	100	0	18.04	18.04	17.96	19
20	16QAM	1	0	18.09	17.85	18.13	
20	16QAM	1	49	18.14	17.88	17.94	
20	16QAM	1	99	18.14	18.32	18.11	19
20	16QAM	50	0	18.26	18.23	18.20	
20	16QAM	50	24	18.15	18.15	18.16	
20	16QAM	50	50	18.12	18.04	18.00	19
20	16QAM	100	0	18.08	18.11	18.17	
20	64QAM	1	0	18.24	18.01	18.34	
20	64QAM	1	49	18.01	18.34	18.33	19
20	64QAM	1	99	18.24	18.36	18.44	
20	64QAM	50	0	18.20	18.10	18.23	
20	64QAM	50	24	18.14	18.08	18.20	19
20	64QAM	50	50	18.16	18.04	18.10	
20	64QAM	100	0	18.15	18.15	18.13	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	18.84	18.88	18.86	20
15	QPSK	1	37	18.98	18.84	18.82	
15	QPSK	1	74	18.82	18.78	18.76	
15	QPSK	36	0	18.03	18.00	18.04	19
15	QPSK	36	20	18.03	17.95	18.05	
15	QPSK	36	39	17.89	17.94	17.91	
15	QPSK	75	0	17.98	18.02	17.95	19
15	16QAM	1	0	17.97	17.84	18.14	
15	16QAM	1	37	17.84	18.14	18.07	
15	16QAM	1	74	17.94	17.84	17.84	19
15	16QAM	36	0	18.15	18.15	18.06	
15	16QAM	36	20	18.18	18.17	18.23	
15	16QAM	36	39	18.10	18.25	18.19	19
15	16QAM	75	0	18.20	18.18	18.14	
15	64QAM	1	0	18.34	18.24	18.34	
15	64QAM	1	37	18.36	18.14	18.24	19
15	64QAM	1	74	18.01	18.27	18.34	
15	64QAM	36	0	18.13	18.12	18.25	
15	64QAM	36	20	18.23	18.19	18.20	19
15	64QAM	36	39	18.12	18.06	18.10	
15	64QAM	75	0	18.14	18.16	18.13	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	18.82	18.82	18.83	20
10	QPSK	1	25	18.72	18.70	18.78	
10	QPSK	1	49	18.86	18.74	18.64	
10	QPSK	25	0	18.29	18.22	18.29	19
10	QPSK	25	12	18.26	18.45	18.23	
10	QPSK	25	25	18.27	18.23	18.15	
10	QPSK	50	0	18.35	18.20	18.39	19
10	16QAM	1	0	18.27	18.27	18.47	
10	16QAM	1	25	18.27	18.36	18.48	
10	16QAM	1	49	18.10	18.30	18.18	19
10	16QAM	25	0	18.11	18.28	18.16	
10	16QAM	25	12	18.10	18.30	18.21	
10	16QAM	25	25	18.01	18.06	18.06	19
10	16QAM	50	0	18.17	18.21	18.22	
10	64QAM	1	0	18.17	18.17	17.84	
10	64QAM	1	25	17.84	17.97	17.87	19
10	64QAM	1	49	17.84	17.84	17.84	
10	64QAM	25	0	18.17	18.15	18.17	
10	64QAM	25	12	18.16	18.20	18.24	19
10	64QAM	25	25	18.16	18.09	18.11	
10	64QAM	50	0	18.06	18.16	18.17	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	18.71	18.74	18.79	20
5	QPSK	1	12	18.74	18.74	18.73	
5	QPSK	1	24	18.82	18.72	18.78	
5	QPSK	12	0	17.98	18.00	17.96	19
5	QPSK	12	7	18.00	18.08	18.01	
5	QPSK	12	13	17.91	17.97	17.98	
5	QPSK	25	0	18.01	18.02	18.01	19
5	16QAM	1	0	18.50	18.19	18.20	
5	16QAM	1	12	18.13	18.42	18.37	
5	16QAM	1	24	18.25	18.14	18.49	19
5	16QAM	12	0	18.14	18.25	18.21	
5	16QAM	12	7	18.31	18.23	18.35	
5	16QAM	12	13	18.22	18.16	18.23	19
5	16QAM	25	0	18.23	18.25	18.17	
5	64QAM	1	0	17.84	18.24	18.04	
5	64QAM	1	12	18.14	18.14	18.14	19
5	64QAM	1	24	17.97	18.01	17.97	
5	64QAM	12	0	18.21	17.96	18.17	
5	64QAM	12	7	18.29	17.88	18.19	19
5	64QAM	12	13	18.12	18.24	18.19	
5	64QAM	25	0	18.19	18.27	18.14	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	18.78	18.69	18.68	20
3	QPSK	1	8	18.65	18.66	18.74	
3	QPSK	1	14	18.56	18.37	18.67	
3	QPSK	8	0	18.24	18.21	18.25	19
3	QPSK	8	4	18.24	18.16	18.26	
3	QPSK	8	7	18.10	18.15	18.12	
3	QPSK	15	0	18.19	18.23	18.16	19
3	16QAM	1	0	17.88	18.29	18.05	
3	16QAM	1	8	18.21	18.15	18.14	
3	16QAM	1	14	18.25	18.14	17.84	

3	16QAM	8	0	18.06	18.06	17.97	19
3	16QAM	8	4	18.09	18.08	18.14	
3	16QAM	8	7	18.01	18.16	18.10	
3	16QAM	15	0	18.11	18.09	18.05	19
3	64QAM	1	0	18.25	18.15	18.25	
3	64QAM	1	8	18.27	18.05	18.15	
3	64QAM	1	14	17.92	18.18	18.25	19
3	64QAM	8	0	18.04	18.03	18.16	
3	64QAM	8	4	18.14	18.10	18.11	
3	64QAM	8	7	18.03	17.97	18.01	19
3	64QAM	15	0	18.05	18.07	18.04	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.72	18.63	18.64	20
1.4	QPSK	1	3	18.78	18.80	18.80	
1.4	QPSK	1	5	18.70	18.58	18.74	
1.4	QPSK	3	0	18.69	18.62	18.69	
1.4	QPSK	3	1	18.66	18.72	18.63	
1.4	QPSK	3	3	18.67	18.63	18.55	
1.4	QPSK	6	0	18.27	18.12	18.31	19
1.4	16QAM	1	0	18.19	18.19	18.39	19
1.4	16QAM	1	3	18.19	18.28	18.40	
1.4	16QAM	1	5	18.02	18.22	18.10	
1.4	16QAM	3	0	17.97	17.94	18.20	
1.4	16QAM	3	1	18.06	17.96	18.08	
1.4	16QAM	3	3	18.07	18.08	18.02	
1.4	16QAM	6	0	17.96	17.87	17.88	19
1.4	64QAM	1	0	18.30	18.15	18.31	19
1.4	64QAM	1	3	18.03	18.12	18.12	
1.4	64QAM	1	5	18.00	18.00	18.11	
1.4	64QAM	3	0	18.09	18.07	18.09	
1.4	64QAM	3	1	18.08	18.12	18.16	
1.4	64QAM	3	3	18.08	18.01	18.03	
1.4	64QAM	6	0	17.98	18.08	18.09	19

Band 40 (2.3G Band-1)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			21
Frequency (MHz)				2310			
10	QPSK	1	0		20.04		21
10	QPSK	1	25		19.95		
10	QPSK	1	49		19.93		
10	QPSK	25	0		19.34		20
10	QPSK	25	12		19.21		
10	QPSK	25	25		19.26		
10	QPSK	50	0		19.04		20
10	16QAM	1	0		19.13		
10	16QAM	1	25		19.11		
10	16QAM	1	49		19.15		20
10	16QAM	25	0		19.04		
10	16QAM	25	12		19.11		
10	16QAM	25	25		19.08		20
10	16QAM	50	0		19.15		
10	64QAM	1	0		19.22		
10	64QAM	1	25		19.01		20
10	64QAM	1	49		19.27		
10	64QAM	25	0		18.84		
10	64QAM	25	12		19.04		20
10	64QAM	25	25		19.11		
10	64QAM	50	0		19.04		
Channel				38725	38750	38775	21
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	19.98	19.93	19.84	21
5	QPSK	1	12	19.89	19.88	19.99	
5	QPSK	1	24	19.95	19.97	19.81	
5	QPSK	12	0	19.14	19.07	19.19	20
5	QPSK	12	7	19.19	19.05	19.15	
5	QPSK	12	13	19.07	19.03	19.06	
5	QPSK	25	0	19.10	18.96	19.17	20
5	16QAM	1	0	19.14	19.11	19.19	
5	16QAM	1	12	19.30	19.21	19.28	
5	16QAM	1	24	19.22	19.11	19.10	20
5	16QAM	12	0	19.06	18.96	19.12	
5	16QAM	12	7	19.08	19.02	19.05	
5	16QAM	12	13	19.15	18.93	19.12	20
5	16QAM	25	0	19.12	19.04	19.07	
5	64QAM	1	0	19.24	19.27	19.02	
5	64QAM	1	12	19.25	18.85	18.61	20
5	64QAM	1	24	19.28	18.89	18.65	
5	64QAM	12	0	19.03	19.09	19.19	
5	64QAM	12	7	19.08	19.12	19.15	20
5	64QAM	12	13	19.12	19.07	19.09	
5	64QAM	25	0	19.13	19.09	19.12	

Band 40 (2.3G Band-2)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			21
Frequency (MHz)				2355			
10	QPSK	1	0		20.03		21
10	QPSK	1	25		19.94		
10	QPSK	1	49		19.90		
10	QPSK	25	0		19.24		20
10	QPSK	25	12		19.16		
10	QPSK	25	25		19.17		
10	QPSK	50	0		19.14		20
10	16QAM	1	0		19.24		
10	16QAM	1	25		19.15		
10	16QAM	1	49		19.07		20
10	16QAM	25	0		19.19		
10	16QAM	25	12		19.22		
10	16QAM	25	25		19.21		20
10	16QAM	50	0		19.18		
10	64QAM	1	0		19.27		
10	64QAM	1	25		19.20		20
10	64QAM	1	49		19.04		
10	64QAM	25	0		19.16		
10	64QAM	25	12		19.15		20
10	64QAM	25	25		19.12		
10	64QAM	50	0		19.01		
Channel				39175	39200	39225	21
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	19.91	19.86	19.95	21
5	QPSK	1	12	19.86	19.90	19.93	
5	QPSK	1	24	19.79	19.98	19.98	
5	QPSK	12	0	19.14	19.13	19.19	20
5	QPSK	12	7	19.16	19.17	19.19	
5	QPSK	12	13	19.14	19.17	19.17	
5	QPSK	25	0	19.09	19.07	19.23	20
5	16QAM	1	0	19.20	19.26	19.24	
5	16QAM	1	12	19.15	19.13	19.19	
5	16QAM	1	24	19.04	18.95	19.02	20
5	16QAM	12	0	19.12	19.08	19.25	
5	16QAM	12	7	19.04	19.17	19.25	
5	16QAM	12	13	19.10	19.11	19.07	20
5	16QAM	25	0	19.17	19.12	19.21	
5	64QAM	1	0	19.25	18.90	18.94	
5	64QAM	1	12	19.36	18.74	18.86	20
5	64QAM	1	24	19.37	18.92	18.61	
5	64QAM	12	0	19.03	19.06	19.14	
5	64QAM	12	7	18.99	19.00	19.07	20
5	64QAM	12	13	19.04	19.05	19.08	
5	64QAM	25	0	19.12	19.06	19.13	

Reduced Power Level 4

5GHz WLAN ANT 2							
5.3GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	13.86	15.00	14	91.10
		CH 60	5300	14.03	16.00	14	
		CH 64	5320	13.88	15.00	14	
	802.11n-HT20 MCS0	CH 52	5260	13.47	15.00	14	91.21
		CH 60	5300	13.10	15.00	14	
		CH 64	5320	13.37	15.00	14	
	802.11n-HT40 MCS0	CH 54	5270	14.02	16.00	14	88.77
		CH 62	5310	13.70	15.00	14	
	802.11ac-VHT20 MCS0	CH 52	5260	13.60	15.00	14	90.91
CH 60		5300	13.64	15.00	14		
CH 64		5320	13.57	15.00	14		
802.11ac-VHT40 MCS0	CH 54	5270	13.37	15.00	14	80.00	
	CH 62	5310	13.04	15.00	14		
802.11ac-VHT80 MCS0	CH 58	5290	12.68	14.00	14	70.76	

Reduced Power Level 5

Band		WCDMA Band II			Tune-up Limit (dBm)
TX Channel		9262	9400	9538	
Rx Channel		9662	9800	9938	
Frequency (MHz)		1852.4	1880	1907.6	
3GPP Rel 99	RMC 12.2Kbps	14.02	14.05	14.03	15.00
3GPP Rel 6	HSDPA Subtest-1	13.13	13.16	13.14	14.00
3GPP Rel 6	HSDPA Subtest-2	13.10	13.13	13.06	14.00
3GPP Rel 6	HSDPA Subtest-3	13.06	13.14	12.95	14.00
3GPP Rel 6	HSDPA Subtest-4	13.08	13.16	12.96	14.00
3GPP Rel 8	DC-HSDPA Subtest-1	13.18	13.14	13.29	14.00
3GPP Rel 8	DC-HSDPA Subtest-2	13.20	13.10	13.28	14.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.28	13.25	13.30	14.00
3GPP Rel 8	DC-HSDPA Subtest-4	13.22	13.29	13.28	14.00
3GPP Rel 6	HSUPA Subtest-1	12.95	12.94	12.91	13.50
3GPP Rel 6	HSUPA Subtest-2	12.93	12.95	12.93	13.50
3GPP Rel 6	HSUPA Subtest-3	12.91	12.95	12.80	13.50
3GPP Rel 6	HSUPA Subtest-4	12.90	12.89	12.91	13.50
3GPP Rel 6	HSUPA Subtest-5	12.89	12.93	12.83	13.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	12.91	12.93	12.66	13.50
Attenuator			Cable Loss	0.8	
Mode			Max.	14.05	

Band 38(only on channel required)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	17.00	17.07	17.04	18
20	QPSK	1	49	16.99	17.01	17.01	
20	QPSK	1	99	16.91	16.97	16.94	
20	QPSK	50	0	16.11	16.33	16.19	17
20	QPSK	50	24	16.04	16.11	16.07	
20	QPSK	50	50	16.08	16.13	16.07	
20	QPSK	100	0	15.96	16.07	16.10	17
20	16QAM	1	0	16.08	16.08	16.01	
20	16QAM	1	49	16.07	15.67	16.07	
20	16QAM	1	99	16.23	16.22	16.33	17
20	16QAM	50	0	16.08	16.22	15.83	
20	16QAM	50	24	16.19	16.01	15.92	
20	16QAM	50	50	16.18	15.82	15.86	17
20	16QAM	100	0	16.19	16.22	15.88	
20	64QAM	1	0	16.00	16.28	16.31	
20	64QAM	1	49	16.00	16.19	16.29	17
20	64QAM	1	99	16.02	16.29	16.33	
20	64QAM	50	0	16.01	16.00	15.89	
20	64QAM	50	24	16.03	15.99	15.98	17
20	64QAM	50	50	16.01	15.78	16.00	
20	64QAM	100	0	16.01	15.97	15.88	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	16.91	16.91	16.92	18
15	QPSK	1	37	16.92	16.84	16.95	
15	QPSK	1	74	16.73	16.95	16.92	
15	QPSK	36	0	16.04	16.29	16.33	17
15	QPSK	36	20	16.24	16.33	16.29	
15	QPSK	36	39	16.31	16.29	16.22	
15	QPSK	75	0	16.19	16.19	16.20	17
15	16QAM	1	0	16.27	16.29	16.19	
15	16QAM	1	37	16.29	16.33	16.01	
15	16QAM	1	74	16.30	16.20	16.00	17
15	16QAM	36	0	16.07	16.03	15.92	
15	16QAM	36	20	16.05	16.19	15.96	
15	16QAM	36	39	16.07	16.09	15.94	17
15	16QAM	75	0	16.03	15.98	15.92	
15	64QAM	1	0	16.14	16.03	16.19	
15	64QAM	1	37	16.02	16.03	16.01	17
15	64QAM	1	74	15.97	16.05	16.22	
15	64QAM	36	0	15.89	16.04	15.97	
15	64QAM	36	20	16.17	16.03	15.91	17
15	64QAM	36	39	16.01	16.01	16.02	
15	64QAM	75	0	16.19	16.01	16.05	
Channel				37800	38000	38200	Tune-up limit

Frequency (MHz)				2575	2595	2615	(dBm)
10	QPSK	1	0	16.94	16.95	16.95	18
10	QPSK	1	25	16.94	16.74	16.94	
10	QPSK	1	49	16.88	16.90	16.93	
10	QPSK	25	0	16.03	15.89	15.89	17
10	QPSK	25	12	16.26	16.22	15.93	
10	QPSK	25	25	16.27	16.29	15.89	
10	QPSK	50	0	16.25	16.17	15.89	
10	16QAM	1	0	16.11	15.88	16.19	17
10	16QAM	1	25	15.99	15.89	16.29	
10	16QAM	1	49	16.36	15.92	16.01	
10	16QAM	25	0	15.89	16.00	15.96	17
10	16QAM	25	12	16.19	15.89	16.02	
10	16QAM	25	25	15.89	16.03	16.08	
10	16QAM	50	0	16.01	16.05	15.97	
10	64QAM	1	0	16.01	16.04	15.97	17
10	64QAM	1	25	15.92	16.17	16.07	
10	64QAM	1	49	16.28	16.02	16.07	
10	64QAM	25	0	15.87	15.87	15.97	17
10	64QAM	25	12	15.87	16.07	16.08	
10	64QAM	25	25	15.83	16.03	15.99	
10	64QAM	50	0	15.89	16.05	15.95	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	16.80	16.90	16.74	18
5	QPSK	1	12	16.74	16.95	16.93	
5	QPSK	1	24	16.74	16.73	16.72	
5	QPSK	12	0	16.16	16.64	16.23	17
5	QPSK	12	7	16.30	16.29	16.29	
5	QPSK	12	13	16.18	16.20	16.22	
5	QPSK	25	0	16.22	16.23	15.89	
5	16QAM	1	0	16.40	16.51	16.41	17
5	16QAM	1	12	16.01	16.19	15.89	
5	16QAM	1	24	16.01	16.02	16.01	
5	16QAM	12	0	16.02	16.07	16.01	17
5	16QAM	12	7	16.01	16.03	16.01	
5	16QAM	12	13	15.92	16.04	16.01	
5	16QAM	25	0	16.19	15.91	16.09	
5	64QAM	1	0	15.95	16.28	15.89	17
5	64QAM	1	12	16.22	16.22	16.29	
5	64QAM	1	24	16.22	16.22	16.19	
5	64QAM	12	0	15.93	16.05	16.01	17
5	64QAM	12	7	16.02	16.03	15.94	
5	64QAM	12	13	16.01	16.04	15.91	
5	64QAM	25	0	16.05	16.07	15.98	

Reduced Power Level 6

2.4GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11b 1Mbps	CH 1	2412	14.65	16.00	14	98.78
	CH 6	2437	13.67	15.00	14	
	CH 11	2462	13.43	15.00	14	
802.11g 6Mbps	CH 1	2412	14.05	16.00	13	91.13
	CH 6	2437	13.06	15.00	13	
	CH 11	2462	12.71	14.00	13	
802.11n-HT20 MCS0	CH 1	2412	14.23	16.00	13	90.76
	CH 6	2437	13.62	15.00	13	
	CH 11	2462	13.25	15.00	13	
802.11n-HT40 MCS0	CH 3	2422	12.45	14.00	13	79.85
	CH 6	2437	12.54	14.00	13	
	CH 9	2452	13.49	15.00	13	

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 36	5180	11.31	13.00	12	91.10
	CH 44	5220	11.35	13.00	12	
	CH 48	5240	11.76	13.00	12	
802.11n-HT20 MCS0	CH 36	5180	10.30	12.00	12	91.21
	CH 44	5220	10.73	12.00	12	
	CH 48	5240	11.48	13.00	12	
802.11n-HT40 MCS0	CH 38	5190	11.27	13.00	12	88.77
	CH 46	5230	11.74	13.00	12	
802.11ac-VHT20 MCS0	CH 36	5180	11.15	13.00	12	90.91
	CH 44	5220	11.21	13.00	12	
	CH 48	5240	11.62	13.00	12	
802.11ac-VHT40 MCS0	CH 38	5190	10.88	12.00	12	80.00
	CH 46	5230	11.14	13.00	12	
802.11ac-VHT80 MCS0	CH 42	5210	10.62	12.00	12	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 52	5260	9.86	11.00	10	91.10
	CH 60	5300	10.03	12.00	10	
	CH 64	5320	9.88	11.00	10	
802.11n-HT20 MCS0	CH 52	5260	9.47	11.00	10	91.21
	CH 60	5300	9.10	11.00	10	
	CH 64	5320	9.37	11.00	10	
802.11n-HT40 MCS0	CH 54	5270	10.02	12.00	10	88.77
	CH 62	5310	9.70	11.00	10	
802.11ac-VHT20 MCS0	CH 52	5260	9.60	11.00	10	90.91
	CH 60	5300	9.64	11.00	10	
	CH 64	5320	9.57	11.00	10	
802.11ac-VHT40 MCS0	CH 54	5270	9.37	11.00	10	80.00
	CH 62	5310	9.04	11.00	10	
802.11ac-VHT80 MCS0	CH 58	5290	8.68	10.00	10	70.76

5GHz WLAN ANT 2

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
802.11a 6Mbps	CH 100	5500	10.89	12.50	12	91.10
	CH 120	5600	11.59	13.00	12	
	CH 140	5700	11.20	13.00	12	
802.11n-HT20 MCS0	CH 100	5500	10.48	12.00	12	91.21
	CH 120	5600	10.67	12.00	12	
	CH 140	5700	10.42	12.00	12	
802.11n-HT40 MCS0	CH 102	5510	10.86	12.50	12	88.77
	CH 126	5630	11.83	13.50	12	
	CH 134	5670	11.21	13.00	12	
	CH 100	5500	10.64	12.00	12	

	802.11ac-VHT20 MCS0	CH 120	5600	11.20	13.00	12	90.91
		CH 140	5700	10.95	12.50	12	
	802.11ac-VHT40 MCS0	CH 102	5510	10.16	12.00	12	80.00
		CH 126	5630	10.95	12.50	12	
		CH 134	5670	10.51	12.00	12	
	802.11ac-VHT80 MCS0	CH 106	5530	10.17	12.00	12	70.76
		CH 122	5610	10.41	12.00	12	
		CH 138	5690	9.99	11.50	12	

5GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 2	802.11a MCS0	CH 149	5745	10.24	12.00	12	91.10
		CH 157	5785	11.08	13.00	12	
		CH 165	5825	11.13	13.00	12	
	802.11n-HT20 MCS0	CH 149	5745	10.30	12.00	12	91.21
		CH 157	5785	10.36	12.00	12	
		CH 165	5825	10.44	12.00	12	
	802.11n-HT40 MCS0	CH 151	5755	11.17	13.00	12	88.77
		CH 159	5795	10.82	12.00	12	
	802.11ac-VHT20 MCS0	CH 149	5745	10.79	12.00	12	90.91
CH 157		5785	10.75	12.00	12		
CH 165		5825	10.94	12.50	12		
802.11ac-VHT40 MCS0	CH 151	5755	10.52	12.00	12	80.00	
	CH 159	5795	10.24	12.00	12		
802.11ac-VHT80 MCS0	CH 155	5775	10.17	12.00	12	70.76	

Reduced Power Level 7

5GHz WLAN ANT 2

5.2GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	13.31	15.00	14	91.10
		CH 44	5220	13.35	15.00	14	
		CH 48	5240	13.76	15.00	14	
	802.11n-HT20 MCS0	CH 36	5180	12.30	14.00	14	91.21
		CH 44	5220	12.73	14.00	14	
		CH 48	5240	13.48	15.00	14	
	802.11n-HT40 MCS0	CH 38	5190	13.27	15.00	14	88.77
		CH 46	5230	13.74	15.00	14	
802.11ac-VHT20 MCS0	CH 36	5180	13.15	15.00	14	90.91	
	CH 44	5220	13.21	15.00	14		
	CH 48	5240	13.62	15.00	14		
802.11ac-VHT40 MCS0	CH 38	5190	12.88	14.00	14	80.00	
	CH 46	5230	13.14	15.00	14		
802.11ac-VHT80 MCS0	CH 42	5210	12.62	14.00	14	70.76	

5GHz WLAN ANT 2

5.3GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	11.86	13.00	12	91.10
		CH 60	5300	12.03	14.00	12	
		CH 64	5320	11.88	13.00	12	
	802.11n-HT20 MCS0	CH 52	5260	11.47	13.00	12	91.21
		CH 60	5300	11.10	13.00	12	
		CH 64	5320	11.37	13.00	12	
	802.11n-HT40 MCS0	CH 54	5270	12.02	14.00	12	88.77
		CH 62	5310	11.70	13.00	12	
	802.11ac-VHT20 MCS0	CH 52	5260	11.60	13.00	12	90.91
		CH 60	5300	11.64	13.00	12	
CH 64		5320	11.57	13.00	12		
802.11ac-VHT40 MCS0	CH 54	5270	11.37	13.00	12	80.00	
	CH 62	5310	11.04	13.00	12		
802.11ac-VHT80 MCS0	CH 58	5290	10.68	12.00	12	70.76	

5GHz WLAN ANT 2

5.5GHz WLAN ANT 2	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	12.89	14.50	14	91.10
		CH 120	5600	13.59	15.00	14	
		CH 140	5700	13.20	15.00	14	
	802.11n-HT20 MCS0	CH 100	5500	12.48	14.00	14	91.21
		CH 120	5600	12.67	14.00	14	
		CH 140	5700	12.42	14.00	14	
	802.11n-HT40 MCS0	CH 102	5510	12.86	14.50	14	88.77
		CH 126	5630	13.83	15.50	14	
		CH 134	5670	13.21	15.00	14	
802.11ac-VHT20 MCS0	CH 100	5500	12.64	14.00	14	90.91	
	CH 120	5600	13.20	15.00	14		

		CH 140	5700	12.95	14.50	14	
	802.11ac-VHT40 MCS0	CH 102	5510	12.16	14.00	14	80.00
		CH 126	5630	12.95	14.50	14	
		CH 134	5670	12.51	14.00	14	
	802.11ac-VHT80 MCS0	CH 106	5530	12.17	14.00	14	70.76
		CH 122	5610	12.41	14.00	14	
		CH 138	5690	11.99	13.50	14	

5GHz WLAN ANT 2

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 2	802.11a MCS0	CH 149	5745	12.24	14.00	14	91.10
		CH 157	5785	13.08	15.00	14	
		CH 165	5825	13.13	15.00	14	
	802.11n-HT20 MCS0	CH 149	5745	12.30	14.00	14	91.21
		CH 157	5785	12.36	14.00	14	
		CH 165	5825	12.44	14.00	14	
	802.11n-HT40 MCS0	CH 151	5755	13.17	15.00	14	88.77
		CH 159	5795	12.82	14.00	14	
	802.11ac-VHT20 MCS0	CH 149	5745	12.79	14.00	14	90.91
		CH 157	5785	12.75	14.00	14	
		CH 165	5825	12.94	14.50	14	
	802.11ac-VHT40 MCS0	CH 151	5755	12.52	14.00	14	80.00
		CH 159	5795	12.24	14.00	14	
	802.11ac-VHT80 MCS0	CH 155	5775	12.17	14.00	14	70.76