



REPORT No.: SZ25020294S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacturer's document.

Full Power

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		32.50	32.39	32.45	33.50	23.50	23.39	23.45	24.50
GPRS 1 Tx slot		32.51	32.54	32.47	33.50	23.51	23.54	23.47	24.50
GPRS 2 Tx slots		31.09	31.05	30.95	32.00	25.09	25.05	24.95	26.00
GPRS 3 Tx slots		29.65	29.63	29.59	30.50	25.39	25.37	25.33	26.24
GPRS 4 Tx slots		27.63	28.10	27.74	29.00	24.63	25.10	24.74	26.00
EDGE 1 Tx slot		25.95	26.03	25.87	27.00	16.95	17.03	16.87	18.00
EDGE 2 Tx slots		24.73	24.95	24.88	26.00	18.73	18.95	18.88	20.00
EDGE 3 Tx slots		22.89	22.86	22.73	24.00	18.63	18.60	18.47	19.74
EDGE 4 Tx slots		20.81	21.04	20.73	22.00	17.81	18.04	17.73	19.00
Mode			Max.	32.54			Max.	25.39	
Attenuator		Cable Loss : 0.6							
Date		3/18							

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		30.04	30.09	30.10	30.50	21.04	21.09	21.10	21.50
GPRS 1 Tx slot		30.05	30.11	30.03	30.50	21.05	21.11	21.03	21.50
GPRS 2 Tx slots		28.35	28.49	28.45	29.50	22.35	22.49	22.45	23.50
GPRS 3 Tx slots		26.48	26.52	26.55	27.50	22.22	22.26	22.29	23.24
GPRS 4 Tx slots		24.67	24.73	24.62	25.50	21.67	21.73	21.62	22.50
EDGE 1 Tx slot		25.67	25.75	25.59	26.50	16.67	16.75	16.59	17.50
EDGE 2 Tx slots		23.77	23.99	23.92	25.00	17.77	17.99	17.92	19.00
EDGE 3 Tx slots		22.11	22.09	22.03	23.00	17.85	17.83	17.77	18.74
EDGE 4 Tx slots		20.09	20.11	20.13	21.00	17.09	17.11	17.13	18.00
Mode			Max.	30.11			Max.	22.49	
Attenuator		Cable Loss : 0.8							
Date		3/18							

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			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	23.60	23.64	23.58	24.00	23.33	23.51	23.29	24.00	24.00	24.07	23.99	25.00
3GPP Rel 5	HSDPA Subtest-1	22.33	22.50	22.48	23.50	21.98	22.12	22.03	23.00	22.56	22.47	22.50	23.50
3GPP Rel 5	HSDPA Subtest-2	22.26	22.43	22.57	23.50	22.12	22.18	22.02	23.00	22.59	22.54	22.40	23.50
3GPP Rel 5	HSDPA Subtest-3	21.91	21.95	22.12	23.00	22.13	22.16	22.01	23.00	22.65	22.58	22.52	23.50
3GPP Rel 5	HSDPA Subtest-4	21.94	22.00	22.09	23.00	22.17	22.20	22.06	23.00	22.67	22.63	22.49	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	22.81	22.92	22.92	23.50	22.91	23.08	22.94	23.50	23.58	23.34	23.43	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.89	22.99	22.95	23.50	22.94	23.09	23.00	23.50	23.62	23.44	23.50	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.92	23.00	22.97	23.50	22.96	23.09	23.01	23.50	23.67	23.45	23.52	24.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.94	23.02	22.99	23.50	22.95	23.08	23.00	23.50	23.70	23.45	23.51	24.50
3GPP Rel 6	HSUPA Subtest-1	22.93	23.01	22.95	23.50	23.01	23.18	23.03	23.50	23.71	23.48	23.64	24.50
3GPP Rel 6	HSUPA Subtest-2	22.90	22.99	22.97	23.50	22.97	23.15	22.99	23.50	23.62	23.40	23.56	24.50
3GPP Rel 6	HSUPA Subtest-3	22.96	22.98	22.99	23.50	22.98	23.14	23.01	23.50	23.73	23.47	23.64	24.50
3GPP Rel 6	HSUPA Subtest-4	22.92	22.94	22.90	23.50	22.95	23.12	22.97	23.50	23.59	23.34	23.50	24.50
3GPP Rel 6	HSUPA Subtest-5	23.01	22.98	22.96	23.50	23.00	23.17	23.03	23.50	23.71	23.47	23.63	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.93	22.99	22.97	23.50	22.98	23.11	23.03	23.50	23.72	23.47	23.68	24.50
Attenuator		Cable Loss				Cable Loss				Cable Loss			
Mode			Max.	23.64			Max.	23.51			Max.	24.07	
Date		3/18				3/18				3/18			

Band 2 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	24
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.82	23.02	22.76	23
20	QPSK	1	49	22.80	22.84	22.77	
20	QPSK	1	99	22.74	22.81	22.78	
20	QPSK	50	0	22.37	22.30	22.33	
20	QPSK	50	24	22.32	22.26	22.24	
20	QPSK	50	50	22.29	22.32	22.25	23
20	QPSK	100	0	22.32	22.33	22.22	
20	16QAM	1	0	21.99	21.90	21.73	
20	16QAM	1	49	21.87	21.96	21.91	
20	16QAM	1	99	21.97	21.74	22.01	
20	16QAM	50	0	20.28	20.23	20.27	22
20	16QAM	50	24	20.49	20.34	20.33	
20	16QAM	50	50	20.36	20.39	20.41	
20	16QAM	100	0	20.34	20.36	20.32	
Channel				18675	18900	19125	24
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.77	22.93	22.69	23
15	QPSK	1	37	22.68	22.83	22.69	
15	QPSK	1	74	22.65	22.74	22.73	
15	QPSK	36	0	22.31	22.26	22.26	
15	QPSK	36	20	22.20	22.16	22.21	
15	QPSK	36	39	22.19	22.23	22.18	23
15	QPSK	75	0	22.30	22.25	22.15	
15	16QAM	1	0	21.91	21.78	21.72	
15	16QAM	1	37	21.75	21.95	21.88	
15	16QAM	1	74	21.93	21.73	21.94	
15	16QAM	36	0	20.26	20.19	20.23	22
15	16QAM	36	20	20.37	20.28	20.23	
15	16QAM	36	39	20.28	20.34	20.31	
15	16QAM	75	0	20.27	20.28	20.31	
Channel				18650	18900	19150	24
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.67	22.83	22.61	23
10	QPSK	1	25	22.56	22.74	22.62	
10	QPSK	1	49	22.63	22.69	22.71	
10	QPSK	25	0	22.26	22.15	22.19	
10	QPSK	25	12	22.18	22.14	22.12	
10	QPSK	25	25	22.13	22.17	22.09	23
10	QPSK	50	0	22.29	22.24	22.04	
10	16QAM	1	0	21.90	21.77	21.64	
10	16QAM	1	25	21.72	21.90	21.84	
10	16QAM	1	49	21.84	21.62	21.82	
10	16QAM	25	0	20.17	20.18	20.17	22
10	16QAM	25	12	20.36	20.21	20.14	
10	16QAM	25	25	20.23	20.33	20.23	
10	16QAM	50	0	20.26	20.24	20.25	
Channel				18625	18900	19175	24
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.44	22.64	22.44	23
5	QPSK	1	12	22.47	22.59	22.54	
5	QPSK	1	24	22.43	22.62	22.50	
5	QPSK	12	0	22.16	22.06	22.17	
5	QPSK	12	7	22.04	21.96	22.03	
5	QPSK	12	13	21.94	22.13	21.86	23
5	QPSK	25	0	22.16	22.20	21.92	
5	16QAM	1	0	21.74	21.62	21.49	
5	16QAM	1	12	21.67	21.86	21.76	
5	16QAM	1	24	21.65	21.42	21.65	
5	16QAM	12	0	20.10	20.07	20.04	22
5	16QAM	12	7	20.23	20.14	20.00	
5	16QAM	12	13	20.01	20.27	20.01	
5	16QAM	25	0	20.17	20.16	20.14	
Channel				18615	18900	19185	24
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.71	22.80	22.66	23
3	QPSK	1	8	22.69	22.74	22.66	
3	QPSK	1	14	22.64	22.72	22.68	
3	QPSK	8	0	22.27	22.20	22.23	
3	QPSK	8	4	22.21	22.15	22.14	
3	QPSK	8	7	22.18	22.22	22.14	23
3	QPSK	15	0	22.21	22.24	22.11	
3	16QAM	1	0	21.89	21.80	21.62	
3	16QAM	1	8	21.76	21.85	21.80	
3	16QAM	1	14	21.86	21.64	21.90	
3	16QAM	8	0	20.18	20.12	20.17	22
3	16QAM	8	4	20.40	20.25	20.22	
3	16QAM	8	7	20.25	20.28	20.30	
3	16QAM	15	0	20.25	20.26	20.23	
Channel				18607	18900	19193	24
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.66	22.73	22.61	23
1.4	QPSK	1	3	22.63	22.67	22.60	
1.4	QPSK	1	5	22.58	22.65	22.61	
1.4	QPSK	3	0	22.21	22.14	22.17	
1.4	QPSK	3	1	22.16	22.11	22.09	
1.4	QPSK	3	3	22.14	22.17	22.08	23
1.4	QPSK	6	0	22.15	22.17	22.07	
1.4	16QAM	1	0	21.82	21.73	21.57	
1.4	16QAM	1	3	21.71	21.79	21.74	
1.4	16QAM	1	5	21.80	21.59	21.84	
1.4	16QAM	3	0	20.12	20.07	20.11	22
1.4	16QAM	3	1	20.32	20.19	20.16	
1.4	16QAM	3	3	20.21	20.24	20.24	
1.4	16QAM	6	0	20.19	20.19	20.16	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
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	22.45	22.46	22.42	23.5
20	QPSK	1	49	22.37	22.37	22.36	
20	QPSK	1	99	22.30	22.31	22.32	
20	QPSK	50	0	21.67	21.86	21.79	
20	QPSK	50	24	21.79	21.81	21.81	
20	QPSK	50	50	21.78	21.82	21.89	22.5
20	QPSK	100	0	21.77	21.82	21.77	
20	16QAM	1	0	21.47	21.70	21.76	
20	16QAM	1	49	21.70	21.79	21.64	
20	16QAM	1	99	21.80	21.82	21.89	
20	16QAM	50	0	20.25	20.19	20.24	21.5
20	16QAM	50	24	20.28	20.20	20.21	
20	16QAM	50	50	20.32	20.20	20.19	
20	16QAM	100	0	20.24	20.26	20.22	
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	22.39	22.40	22.32	23.5
15	QPSK	1	37	22.28	22.30	22.22	
15	QPSK	1	74	22.29	22.23	22.24	
15	QPSK	36	0	21.83	21.83	21.69	
15	QPSK	36	20	21.76	21.82	21.80	
15	QPSK	36	39	21.72	21.73	21.83	22.5
15	QPSK	75	0	21.73	21.79	21.74	
15	16QAM	1	0	21.40	21.68	21.72	
15	16QAM	1	37	21.73	21.72	21.57	
15	16QAM	1	74	21.78	21.73	21.88	
15	16QAM	36	0	20.22	20.14	20.20	21.5
15	16QAM	36	20	20.26	20.12	20.15	
15	16QAM	36	39	20.29	20.17	20.16	
15	16QAM	75	0	20.18	20.21	20.20	
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	22.32	22.36	22.28	23.5
10	QPSK	1	25	22.22	22.26	22.18	
10	QPSK	1	49	22.26	22.21	22.15	
10	QPSK	25	0	21.77	21.77	21.66	
10	QPSK	25	12	21.73	21.77	21.74	
10	QPSK	25	25	21.68	21.70	21.76	22.5
10	QPSK	50	0	21.63	21.73	21.65	
10	16QAM	1	0	21.36	21.60	21.70	
10	16QAM	1	25	21.72	21.66	21.56	
10	16QAM	1	49	21.72	21.72	21.63	
10	16QAM	25	0	20.16	20.10	20.17	21.5
10	16QAM	25	12	20.24	20.03	20.05	
10	16QAM	25	25	20.28	20.13	20.15	
10	16QAM	50	0	20.11	20.11	20.15	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	22.24	22.19	22.27	23.5
5	QPSK	1	12	22.12	22.24	22.09	
5	QPSK	1	24	22.18	22.14	22.06	
5	QPSK	12	0	21.76	21.74	21.59	
5	QPSK	12	7	21.68	21.74	21.68	
5	QPSK	12	13	21.65	21.60	21.75	22.5
5	QPSK	25	0	21.56	21.66	21.60	
5	16QAM	1	0	21.29	21.59	21.62	
5	16QAM	1	12	21.70	21.63	21.46	
5	16QAM	1	24	21.65	21.69	21.77	
5	16QAM	12	0	20.14	20.07	20.09	21.5
5	16QAM	12	7	20.14	20.00	19.96	
5	16QAM	12	13	20.25	20.05	20.09	
5	16QAM	25	0	20.06	20.01	20.12	
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	22.16	22.08	22.07	23.5
3	QPSK	1	8	22.03	22.16	22.11	
3	QPSK	1	14	22.06	22.11	21.97	
3	QPSK	8	0	21.72	21.63	21.56	
3	QPSK	8	4	21.65	21.65	21.58	
3	QPSK	8	7	21.58	21.57	21.63	22.5
3	QPSK	15	0	21.48	21.63	21.52	
3	16QAM	1	0	21.20	21.54	21.56	
3	16QAM	1	8	21.66	21.61	21.36	
3	16QAM	1	14	21.56	21.65	21.65	
3	16QAM	8	0	20.11	20.01	20.05	21.5
3	16QAM	8	4	20.04	19.90	19.91	
3	16QAM	8	7	20.23	20.01	20.04	
3	16QAM	15	0	19.99	19.97	20.02	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.08	22.02	22.07	23.5
1.4	QPSK	1	3	21.94	22.09	21.91	
1.4	QPSK	1	5	22.05	22.03	21.94	
1.4	QPSK	3	0	21.63	21.58	21.55	
1.4	QPSK	3	1	21.60	21.56	21.57	
1.4	QPSK	3	3	21.53	21.50	21.58	22.5
1.4	QPSK	6	0	21.43	21.54	21.48	
1.4	16QAM	1	0	21.30	21.44	21.46	
1.4	16QAM	1	3	21.65	21.53	21.28	
1.4	16QAM	1	5	21.55	21.61	21.56	
1.4	16QAM	3	0	21.22	21.14	21.19	21.5
1.4	16QAM	3	1	21.19	21.08	21.08	
1.4	16QAM	3	3	21.39	21.20	21.14	
1.4	16QAM	6	0	19.98	19.96	20.00	

Band 5 (Celluar Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	24.8
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.38	23.50	23.44	24.8
10	QPSK	1	25	23.40	23.46	23.28	
10	QPSK	1	49	23.27	23.35	23.23	
10	QPSK	25	0	22.98	23.12	23.02	
10	QPSK	25	12	23.06	23.03	22.95	23.8
10	QPSK	25	25	22.93	22.93	22.93	
10	QPSK	50	0	22.79	22.85	22.62	
10	16QAM	1	0	22.95	22.87	22.81	
10	16QAM	1	25	22.94	23.05	22.95	23.8
10	16QAM	1	49	22.93	22.94	22.81	
10	16QAM	25	0	21.14	21.12	21.08	
10	16QAM	25	12	21.11	21.02	20.99	
10	16QAM	25	25	21.22	21.11	21.05	22.8
10	16QAM	50	0	21.22	21.03	21.08	
Channel				20425	20525	20625	24.8
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.35	23.40	23.37	24.8
5	QPSK	1	12	23.35	23.45	23.25	
5	QPSK	1	24	23.22	23.34	23.18	
5	QPSK	12	0	22.95	23.04	22.96	
5	QPSK	12	7	23.05	22.98	22.86	23.8
5	QPSK	12	13	22.86	22.87	22.90	
5	QPSK	25	0	22.74	22.84	22.78	
5	16QAM	1	0	22.90	22.79	22.76	
5	16QAM	1	12	22.91	22.98	22.94	23.8
5	16QAM	1	24	22.83	22.86	22.77	
5	16QAM	12	0	21.11	21.02	21.03	
5	16QAM	12	7	21.02	20.96	20.90	
5	16QAM	12	13	21.20	21.07	21.00	22.8
5	16QAM	25	0	21.21	20.95	20.98	
Channel				20415	20525	20635	24.8
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.26	23.30	23.27	24.8
3	QPSK	1	8	23.34	23.42	23.19	
3	QPSK	1	14	23.18	23.33	23.08	
3	QPSK	8	0	22.94	22.97	22.94	
3	QPSK	8	4	22.95	22.91	22.80	23.8
3	QPSK	8	7	22.76	22.81	22.81	
3	QPSK	15	0	22.69	22.80	22.77	
3	16QAM	1	0	22.84	22.75	22.69	
3	16QAM	1	8	22.82	22.89	22.93	23.8
3	16QAM	1	14	22.80	22.76	22.72	
3	16QAM	8	0	21.06	20.98	21.00	
3	16QAM	8	4	20.97	20.88	20.87	
3	16QAM	8	7	21.17	21.05	20.92	22.8
3	16QAM	15	0	21.14	20.89	20.95	
Channel				20407	20525	20643	24.8
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.16	23.23	23.20	24.8
1.4	QPSK	1	3	23.29	23.34	23.18	
1.4	QPSK	1	5	23.14	23.26	22.99	
1.4	QPSK	3	0	22.88	22.96	22.88	
1.4	QPSK	3	1	22.85	22.84	22.71	23.8
1.4	QPSK	3	3	22.69	22.76	22.75	
1.4	QPSK	6	0	22.59	22.79	22.75	
1.4	16QAM	1	0	22.75	22.70	22.62	
1.4	16QAM	1	3	22.81	22.81	22.92	23.8
1.4	16QAM	1	5	22.75	22.75	22.65	
1.4	16QAM	3	0	21.98	21.89	21.93	
1.4	16QAM	3	1	21.87	21.82	21.81	
1.4	16QAM	3	3	22.11	22.04	21.90	22.8
1.4	16QAM	6	0	21.04	20.87	20.85	

Band 7 (2600MHz Band) (dBm) Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	24.2
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.97	23.03	22.90	24.2
20	QPSK	1	49	22.91	22.98	22.99	
20	QPSK	1	99	22.98	22.97	22.98	
20	QPSK	50	0	22.39	22.50	22.45	
20	QPSK	50	24	22.47	22.43	22.43	23.2
20	QPSK	50	50	22.44	22.44	22.45	
20	QPSK	100	0	22.40	22.43	22.38	
20	16QAM	1	0	22.35	22.31	22.34	
20	16QAM	1	49	22.39	22.43	22.36	23.2
20	16QAM	1	99	22.44	22.50	22.42	
20	16QAM	50	0	21.33	21.48	21.55	
20	16QAM	50	24	21.39	21.41	21.33	
20	16QAM	50	50	21.42	21.44	21.31	22.2
20	16QAM	100	0	21.39	21.37	21.51	
Channel				20825	21100	21375	24.2
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.86	23.05	22.93	24.2
15	QPSK	1	37	22.83	22.92	22.96	
15	QPSK	1	74	22.90	22.92	22.96	
15	QPSK	36	0	22.34	22.42	22.35	
15	QPSK	36	20	22.46	22.32	22.36	23.2
15	QPSK	36	39	22.41	22.33	22.36	
15	QPSK	75	0	22.38	22.32	22.33	
15	16QAM	1	0	22.28	22.28	22.31	
15	16QAM	1	37	22.29	22.37	22.29	23.2
15	16QAM	1	74	22.41	22.38	22.34	
15	16QAM	36	0	21.31	21.40	21.50	
15	16QAM	36	20	21.30	21.29	21.26	
15	16QAM	36	39	21.40	21.33	21.21	22.2
15	16QAM	75	0	21.31	21.26	21.46	
Channel				20800	21100	21400	24.2
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.85	22.94	22.87	24.2
10	QPSK	1	25	22.75	22.80	22.86	
10	QPSK	1	49	22.82	22.84	22.92	
10	QPSK	25	0	22.31	22.41	22.30	
10	QPSK	25	12	22.38	22.27	22.33	23.2
10	QPSK	25	25	22.32	22.22	22.32	
10	QPSK	50	0	22.34	22.29	22.31	
10	16QAM	1	0	22.18	22.17	22.24	
10	16QAM	1	25	22.17	22.36	22.28	23.2
10	16QAM	1	49	22.30	22.27	22.29	
10	16QAM	25	0	21.25	21.29	21.46	
10	16QAM	25	12	21.22	21.26	21.25	
10	16QAM	25	25	21.36	21.27	21.20	22.2
10	16QAM	50	0	21.26	21.20	21.43	
Channel				20775	21100	21425	24.2
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.80	22.87	22.77	24.2
5	QPSK	1	12	22.74	22.78	22.74	
5	QPSK	1	24	22.70	22.72	22.89	
5	QPSK	12	0	22.22	22.29	22.21	
5	QPSK	12	7	22.34	22.26	22.27	23.2
5	QPSK	12	13	22.31	22.12	22.30	
5	QPSK	25	0	22.24	22.23	22.19	
5	16QAM	1	0	22.12	22.12	22.21	
5	16QAM	1	12	22.14	22.31	22.23	23.2
5	16QAM	1	24	22.21	22.25	22.22	
5	16QAM	12	0	21.15	21.27	21.34	
5	16QAM	12	7	21.20	21.20	21.14	
5	16QAM	12	13	21.27	21.23	21.13	22.2
5	16QAM	25	0	21.14	21.15	21.41	

Band 13(700MHz Band) (dBm) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			Tune-up limit (dBm)
Frequency (MHz)				782			
10	QPSK	1	0		23.57		24.5
10	QPSK	1	25		23.39		
10	QPSK	1	49		23.46		
10	QPSK	25	0		23.14		23.5
10	QPSK	25	12		23.07		
10	QPSK	25	25		22.96		
10	QPSK	50	0		23.07		23.5
10	16QAM	1	0		22.92		
10	16QAM	1	25		23.08		
10	16QAM	1	49		23.09		23
10	16QAM	25	0		21.99		
10	16QAM	25	12		22.03		
10	16QAM	25	25		22.07		
10	16QAM	50	0		22.06		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.11	23.46	23.30	24.5
5	QPSK	1	12	23.36	23.38	23.28	
5	QPSK	1	24	23.34	23.42	23.37	
5	QPSK	12	0	23.03	23.10	23.08	23.5
5	QPSK	12	7	23.03	23.02	23.00	
5	QPSK	12	13	22.93	22.94	22.86	
5	QPSK	25	0	23.04	23.02	22.96	23.5
5	16QAM	1	0	22.81	22.82	22.84	
5	16QAM	1	12	22.97	23.05	23.05	
5	16QAM	1	24	23.08	22.99	23.04	23
5	16QAM	12	0	21.94	21.92	21.88	
5	16QAM	12	7	21.91	21.99	21.96	
5	16QAM	12	13	21.95	22.02	22.01	
5	16QAM	25	0	22.04	21.94	21.96	

Band 26 for FCC (dBm) (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.76	22.94	22.81	24
15	QPSK	1	37	22.75	22.78	22.79	
15	QPSK	1	74	22.65	22.80	22.82	
15	QPSK	36	0	21.76	21.79	21.70	23
15	QPSK	36	20	21.98	21.89	21.96	
15	QPSK	36	39	21.98	21.93	21.90	
15	QPSK	75	0	21.92	21.91	21.97	23
15	16QAM	1	0	22.16	22.13	22.00	
15	16QAM	1	37	21.91	21.98	21.98	
15	16QAM	1	74	21.96	21.91	22.02	22
15	16QAM	36	0	20.64	20.66	20.77	
15	16QAM	36	20	20.62	20.67	20.64	
15	16QAM	36	39	20.74	21.00	20.73	
15	16QAM	75	0	20.78	20.72	20.69	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.68	22.83	22.71	24
10	QPSK	1	25	22.72	22.67	22.78	
10	QPSK	1	49	22.60	22.74	22.70	
10	QPSK	25	0	21.72	21.69	21.63	23
10	QPSK	25	12	21.95	21.82	21.91	
10	QPSK	25	25	21.90	21.90	21.85	
10	QPSK	50	0	21.84	21.89	21.89	23
10	16QAM	1	0	22.12	22.07	21.91	
10	16QAM	1	25	21.80	21.91	21.87	
10	16QAM	1	49	21.86	21.84	21.93	22
10	16QAM	25	0	20.55	20.65	20.73	
10	16QAM	25	12	20.61	20.62	20.61	
10	16QAM	25	25	20.69	20.68	20.66	
10	16QAM	50	0	20.72	20.61	20.64	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.69	22.72	22.65	24
5	QPSK	1	12	22.53	22.74	22.67	
5	QPSK	1	24	22.42	22.67	22.66	
5	QPSK	12	0	21.65	21.68	21.55	23
5	QPSK	12	7	21.94	21.68	21.79	
5	QPSK	12	13	21.74	21.75	21.76	
5	QPSK	25	0	21.81	21.76	21.85	23
5	16QAM	1	0	22.03	21.94	21.94	
5	16QAM	1	12	21.77	21.86	21.81	
5	16QAM	1	24	21.79	21.71	21.85	22
5	16QAM	12	0	20.47	20.56	20.55	
5	16QAM	12	7	20.51	20.46	20.54	
5	16QAM	12	13	20.56	20.53	20.68	
5	16QAM	25	0	20.63	20.52	20.61	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.63	22.61	22.62	24
3	QPSK	1	8	22.47	22.71	22.66	
3	QPSK	1	14	22.39	22.65	22.60	
3	QPSK	8	0	21.62	21.66	21.48	23
3	QPSK	8	4	21.92	21.58	21.75	
3	QPSK	8	7	21.62	21.69	21.68	
3	QPSK	15	0	21.75	21.70	21.74	23
3	16QAM	1	0	21.93	21.89	21.87	
3	16QAM	1	8	21.65	21.83	21.70	
3	16QAM	1	14	21.67	21.60	21.84	22
3	16QAM	8	0	20.46	20.51	20.43	
3	16QAM	8	4	20.41	20.36	20.43	
3	16QAM	8	7	20.52	20.45	20.58	
3	16QAM	15	0	20.58	20.49	20.60	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.60	22.50	22.58	24
1.4	QPSK	1	3	22.35	22.59	22.55	
1.4	QPSK	1	5	22.30	22.60	22.51	
1.4	QPSK	3	0	22.06	22.09	22.13	
1.4	QPSK	3	1	22.44	22.06	22.20	
1.4	QPSK	3	3	22.05	22.16	22.10	
1.4	QPSK	6	0	21.66	21.67	21.67	23
1.4	16QAM	1	0	21.86	21.79	21.85	
1.4	16QAM	1	3	21.58	21.74	21.58	23
1.4	16QAM	1	5	21.62	21.50	21.72	
1.4	16QAM	3	0	21.18	21.22	21.17	
1.4	16QAM	3	1	21.14	21.14	21.20	
1.4	16QAM	3	3	21.04	21.18	21.03	
1.4	16QAM	6	0	20.50	20.45	20.53	22

Band 38(only on channel required) (dBm)

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	23.70	23.82	23.78	24.8
20	QPSK	1	49	23.68	23.67	23.68	
20	QPSK	1	99	23.47	23.57	23.63	
20	QPSK	50	0	22.83	22.87	22.74	23.8
20	QPSK	50	24	22.75	22.69	22.74	
20	QPSK	50	50	22.70	22.69	22.68	
20	QPSK	100	0	22.74	22.68	22.80	
20	16QAM	1	0	22.90	22.96	22.72	23.8
20	16QAM	1	49	22.63	22.78	22.72	
20	16QAM	1	99	22.68	22.64	22.83	
20	16QAM	50	0	21.74	21.72	21.89	22.8
20	16QAM	50	24	21.64	21.79	21.77	
20	16QAM	50	50	21.77	21.81	21.80	
20	16QAM	100	0	21.83	21.75	21.78	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.64	23.70	23.70	24.8
15	QPSK	1	37	23.56	23.63	23.67	
15	QPSK	1	74	23.35	23.56	23.56	
15	QPSK	36	0	22.75	22.83	22.62	23.8
15	QPSK	36	20	22.72	22.59	22.71	
15	QPSK	36	39	22.59	22.68	22.57	
15	QPSK	75	0	22.71	22.61	22.72	23.8
15	16QAM	1	0	22.86	22.90	22.68	
15	16QAM	1	37	22.57	22.72	22.71	
15	16QAM	1	74	22.67	22.58	22.75	22.8
15	16QAM	36	0	21.66	21.61	21.82	
15	16QAM	36	20	21.60	21.73	21.71	
15	16QAM	36	39	21.66	21.80	21.70	
15	16QAM	75	0	21.75	21.74	21.76	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.53	23.62	23.61	24.8
10	QPSK	1	25	23.50	23.57	23.59	
10	QPSK	1	49	23.32	23.54	23.51	
10	QPSK	25	0	22.64	22.73	22.61	23.8
10	QPSK	25	12	22.61	22.56	22.66	
10	QPSK	25	25	22.47	22.67	22.56	
10	QPSK	50	0	22.62	22.52	22.69	23.8
10	16QAM	1	0	22.84	22.83	22.61	
10	16QAM	1	25	22.51	22.64	22.62	
10	16QAM	1	49	22.56	22.53	22.66	22.8
10	16QAM	25	0	21.57	21.54	21.80	
10	16QAM	25	12	21.52	21.69	21.69	
10	16QAM	25	25	21.55	21.73	21.62	
10	16QAM	50	0	21.73	21.68	21.75	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.41	23.50	23.55	24.8
5	QPSK	1	12	23.43	23.47	23.56	
5	QPSK	1	24	23.20	23.51	23.41	
5	QPSK	12	0	22.61	22.63	22.56	23.8
5	QPSK	12	7	22.58	22.48	22.64	
5	QPSK	12	13	22.38	22.62	22.54	
5	QPSK	25	0	22.58	22.40	22.63	23.8
5	16QAM	1	0	22.74	22.73	22.49	
5	16QAM	1	12	22.46	22.60	22.56	
5	16QAM	1	24	22.52	22.45	22.63	22.8
5	16QAM	12	0	21.52	21.43	21.76	
5	16QAM	12	7	21.42	21.62	21.67	
5	16QAM	12	13	21.46	21.69	21.52	
5	16QAM	25	0	21.62	21.65	21.64	

Band 41 (2535~2655MHz) (dBm)

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	23.75	23.77	23.87	23.69	23.80	
20	QPSK	1	49	23.30	23.24	23.30	23.12	23.23	24.8
20	QPSK	1	99	23.03	22.95	22.95	22.87	22.94	
20	QPSK	50	0	22.65	22.75	22.45	22.92	22.69	
20	QPSK	50	24	22.91	22.65	22.59	22.63	22.66	23.8
20	QPSK	50	50	22.90	22.57	22.46	22.65	22.55	
20	QPSK	100	0	22.99	22.60	22.56	22.72	22.61	
20	16QAM	1	0	22.76	22.69	22.80	22.89	22.87	23.8
20	16QAM	1	49	22.92	22.92	22.72	22.84	22.90	
20	16QAM	1	99	22.82	22.81	22.74	22.81	22.86	
20	16QAM	50	0	21.69	21.73	21.59	21.84	21.68	22.8
20	16QAM	50	24	21.96	21.76	21.58	21.72	21.69	
20	16QAM	50	50	21.92	21.70	21.54	21.68	21.68	
20	16QAM	100	0	21.84	21.87	21.69	21.82	21.77	Tune-up limit (dBm)
Channel				40115	40378	40640	40903	41165	
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	23.68	23.58	23.76	23.49	23.71	24.8
15	QPSK	1	37	23.25	23.15	23.20	23.07	23.16	
15	QPSK	1	74	22.97	22.85	22.87	22.82	22.93	
15	QPSK	36	0	22.54	22.65	22.44	22.85	22.68	23.8
15	QPSK	36	20	22.79	22.61	22.48	22.55	22.54	
15	QPSK	36	39	22.82	22.48	22.34	22.59	22.45	
15	QPSK	75	0	22.92	22.56	22.55	22.63	22.50	23.8
15	16QAM	1	0	22.74	22.85	22.73	22.81	22.81	
15	16QAM	1	37	22.81	22.86	22.64	22.78	22.87	
15	16QAM	1	74	22.73	22.72	22.68	22.71	22.84	22.8
15	16QAM	36	0	21.91	21.70	21.57	21.77	21.62	
15	16QAM	36	20	21.87	21.74	21.47	21.70	21.59	
15	16QAM	36	39	21.82	21.62	21.44	21.60	21.67	Tune-up limit (dBm)
15	16QAM	75	0	21.79	21.86	21.64	21.71	21.74	
Channel				40090	40365	40640	40915	41190	
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	23.67	23.47	23.67	23.41	23.68	24.8
10	QPSK	1	25	23.22	23.06	23.09	23.04	23.06	
10	QPSK	1	49	22.93	22.75	22.86	22.81	22.83	
10	QPSK	25	0	22.45	22.60	22.43	22.82	22.67	23.8
10	QPSK	25	12	22.69	22.54	22.46	22.53	22.43	
10	QPSK	25	25	22.72	22.40	22.28	22.55	22.37	
10	QPSK	50	0	22.80	22.53	22.45	22.58	22.47	23.8
10	16QAM	1	0	22.81	22.82	22.62	22.71	22.72	
10	16QAM	1	25	22.70	22.79	22.56	22.77	22.77	
10	16QAM	1	49	22.72	22.71	22.60	22.64	22.81	22.8
10	16QAM	25	0	21.85	21.63	21.49	21.76	21.59	
10	16QAM	25	12	21.78	21.67	21.43	21.60	21.57	
10	16QAM	25	25	21.72	21.56	21.36	21.49	21.55	Tune-up limit (dBm)
10	16QAM	50	0	21.74	21.82	21.54	21.59	21.73	
Channel				40065	40353	40640	40928	41215	
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	23.60	23.42	23.57	23.32	23.63	24.8
5	QPSK	1	12	23.21	23.05	23.06	22.95	22.96	
5	QPSK	1	24	22.86	22.67	22.79	22.74	22.82	
5	QPSK	12	0	22.41	22.53	22.32	22.77	22.59	23.8
5	QPSK	12	7	22.58	22.47	22.39	22.47	22.38	
5	QPSK	12	13	22.71	22.31	22.19	22.45	22.31	
5	QPSK	25	0	22.73	22.44	22.44	22.52	22.41	23.8
5	16QAM	1	0	22.70	22.72	22.52	22.70	22.67	
5	16QAM	1	12	22.69	22.75	22.51	22.73	22.68	
5	16QAM	1	24	22.65	22.65	22.49	22.58	22.78	22.8
5	16QAM	12	0	21.81	21.55	21.40	21.68	21.55	
5	16QAM	12	7	21.70	21.55	21.36	21.52	21.55	
5	16QAM	12	13	21.60	21.45	21.34	21.44	21.53	Tune-up limit (dBm)
5	16QAM	25	0	21.64	21.71	21.50	21.52	21.70	

Band 66 (dBm)

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	23.51	23.58	23.46	24
20	QPSK	1	49	23.26	23.32	23.28	
20	QPSK	1	99	23.24	23.39	23.41	23
20	QPSK	50	0	22.46	22.57	22.49	
20	QPSK	50	24	22.44	22.38	22.43	
20	QPSK	50	50	22.47	22.43	22.41	
20	QPSK	100	0	22.40	22.37	22.41	23
20	16QAM	1	0	22.70	22.63	22.53	
20	16QAM	1	49	22.43	22.45	22.43	
20	16QAM	1	99	22.40	22.45	22.54	22
20	16QAM	50	0	21.45	21.49	21.55	
20	16QAM	50	24	21.43	21.47	21.43	
20	16QAM	50	50	21.50	21.49	21.48	
20	16QAM	100	0	21.53	21.53	21.48	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.50	23.49	23.44	24
15	QPSK	1	37	23.23	23.23	23.25	
15	QPSK	1	74	23.22	23.30	23.32	23
15	QPSK	36	0	22.36	22.45	22.44	
15	QPSK	36	20	22.39	22.34	22.39	
15	QPSK	36	39	22.40	22.33	22.39	
15	QPSK	75	0	22.32	22.25	22.40	23
15	16QAM	1	0	22.66	22.61	22.47	
15	16QAM	1	37	22.41	22.38	22.35	
15	16QAM	1	74	22.29	22.35	22.49	22
15	16QAM	36	0	21.41	21.43	21.45	
15	16QAM	36	20	21.34	21.42	21.34	
15	16QAM	36	39	21.45	21.46	21.42	
15	16QAM	75	0	21.41	21.49	21.41	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.38	23.42	23.34	24
10	QPSK	1	25	23.19	23.14	23.17	
10	QPSK	1	49	23.12	23.22	23.23	23
10	QPSK	25	0	22.24	22.44	22.32	
10	QPSK	25	12	22.38	22.23	22.31	
10	QPSK	25	25	22.35	22.25	22.31	
10	QPSK	50	0	22.24	22.19	22.34	23
10	16QAM	1	0	22.65	22.51	22.43	
10	16QAM	1	25	22.30	22.30	22.34	
10	16QAM	1	49	22.22	22.29	22.47	22
10	16QAM	25	0	21.31	21.37	21.41	
10	16QAM	25	12	21.33	21.41	21.33	
10	16QAM	25	25	21.40	21.35	21.41	
10	16QAM	50	0	21.36	21.48	21.35	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.33	23.37	23.32	24
5	QPSK	1	12	23.12	23.07	23.07	
5	QPSK	1	24	23.11	23.16	23.13	23
5	QPSK	12	0	22.16	22.39	22.23	
5	QPSK	12	7	22.27	22.14	22.30	
5	QPSK	12	13	22.27	22.17	22.24	
5	QPSK	25	0	22.12	22.08	22.32	23
5	16QAM	1	0	22.58	22.42	22.40	
5	16QAM	1	12	22.29	22.26	22.26	
5	16QAM	1	24	22.15	22.19	22.39	22
5	16QAM	12	0	21.20	21.30	21.30	
5	16QAM	12	7	21.30	21.31	21.32	
5	16QAM	12	13	21.38	21.32	21.38	
5	16QAM	25	0	21.24	21.42	21.25	
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.25	23.28	23.25	24
3	QPSK	1	8	23.05	23.02	22.95	
3	QPSK	1	14	23.00	23.14	23.11	23
3	QPSK	8	0	22.08	22.36	22.21	
3	QPSK	8	4	22.21	22.12	22.19	
3	QPSK	8	7	22.26	22.06	22.22	
3	QPSK	15	0	22.06	22.03	22.27	23
3	16QAM	1	0	22.54	22.33	22.36	
3	16QAM	1	8	22.19	22.24	22.16	
3	16QAM	1	14	22.05	22.12	22.37	22
3	16QAM	8	0	21.17	21.18	21.27	
3	16QAM	8	4	21.27	21.28	21.30	
3	16QAM	8	7	21.28	21.24	21.33	
3	16QAM	15	0	21.13	21.34	21.19	
Channel				131979	132322	132665	
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.14	23.20	23.22	24
1.4	QPSK	1	3	22.95	22.94	22.84	
1.4	QPSK	1	5	22.95	23.07	23.06	
1.4	QPSK	3	0	22.82	23.01	22.85	
1.4	QPSK	3	1	22.92	22.78	22.85	23
1.4	QPSK	3	3	22.93	22.75	22.87	
1.4	QPSK	6	0	21.97	22.02	22.19	23
1.4	16QAM	1	0	22.44	22.21	22.30	
1.4	16QAM	1	3	22.16	22.19	22.06	
1.4	16QAM	1	5	22.20	22.06	22.34	
1.4	16QAM	3	0	21.84	21.82	21.93	23
1.4	16QAM	3	1	21.97	21.95	22.04	
1.4	16QAM	3	3	21.94	21.91	21.97	
1.4	16QAM	6	0	21.06	21.31	21.07	22

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	17.78	19.50	default	97.88
		CH 6	2437	17.40	19.00	default	
		CH 11	2462	18.05	20.00	default	
	802.11g 6Mbps	CH 1	2412	16.61	18.50	default	88.55
		CH 6	2437	16.23	18.00	default	
		CH 11	2462	16.73	18.50	default	
	802.11n-HT20 MCS0	CH 1	2412	16.51	18.50	default	87.22
		CH 6	2437	16.01	18.00	default	
		CH 11	2462	16.56	18.50	default	
	802.11n-HT40 MCS0	CH 3	2422	15.64	17.50	default	74.24
		CH 6	2437	14.75	16.50	default	
		CH 9	2452	15.19	17.00	default	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	17.86	19.50	default	88.54
		CH 44	5220	16.25	20.00	default	
		CH 48	5240	17.57	19.50	default	
	802.11n-HT20 MCS0	CH 36	5180	17.65	19.50	default	86.76
		CH 44	5220	17.63	19.50	default	
		CH 48	5240	17.32	19.00	default	
	802.11n-HT40 MCS0	CH 38	5190	16.08	18.00	default	77.63
		CH 46	5230	16.01	18.00	default	
		CH 36	5180	17.68	19.50	default	
	802.11ac-VHT20 MCS0	CH 44	5220	17.68	19.50	default	86.76
		CH 48	5240	17.33	19.00	default	
		CH 38	5190	16.71	18.50	14.00	
	802.11ac-VHT40 MCS0	CH 46	5230	16.68	18.50	14.00	76.62
		CH 42	5210	16.45	18.00	default	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 1	802.11a 6Mbps	CH 52	5260	18.09	20.00	default	88.54
		CH 60	5300	18.48	20.00	default	
		CH 64	5320	17.67	19.50	default	
	802.11n-HT20 MCS0	CH 52	5260	17.46	19.00	default	87.31
		CH 60	5300	17.85	19.50	default	
		CH 64	5320	17.05	19.00	default	
	802.11n-HT40 MCS0	CH 54	5270	16.16	18.00	default	77.63
		CH 62	5310	16.62	18.50	default	
		CH 52	5260	17.44	19.00	default	
	802.11ac-VHT20 MCS0	CH 60	5300	17.90	19.50	default	87.41
		CH 64	5320	17.04	19.00	default	
		CH 54	5270	16.87	18.50	14.00	
	802.11ac-VHT40 MCS0	CH 62	5310	16.91	18.50	14.00	76.62
		CH 58	5290	16.53	18.50	default	

5GHzWLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 1	802.11a 6Mbps	CH 100	5500	17.51	19.50	default	89.10
		CH 116	5580	17.86	19.50	default	
		CH 140	5700	18.12	20.00	default	
	802.11n-HT20 MCS0	CH 100	5500	16.92	18.50	default	86.76
		CH 116	5580	17.26	19.00	default	
		CH 140	5700	17.50	19.50	default	
	802.11n-HT40 MCS0	CH 102	5610	15.88	17.50	default	77.63
		CH 110	5590	15.97	17.50	default	
		CH 134	5670	15.83	17.50	default	
	802.11ac-VHT20 MCS0	CH 100	5500	16.90	18.50	default	87.41
		CH 116	5580	17.21	19.00	default	
		CH 140	5700	17.52	19.50	default	
	802.11ac-VHT40 MCS0	CH 102	5610	16.15	18.00	14.00	77.63
		CH 110	5590	16.12	18.00	14.00	
		CH 134	5670	16.44	18.00	14.00	
	802.11ac-VHT80 MCS0	CH 106	5630	15.61	17.50	default	63.83
		CH 138	5690	16.25	18.00	default	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.6GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	17.32	19.00	default	88.54
		CH 157	5785	17.26	19.00	default	
		CH 165	5825	17.45	19.00	default	
	802.11n-HT20 MCS0	CH 149	5745	16.67	18.50	default	87.31
		CH 157	5785	16.34	18.00	default	
		CH 165	5825	16.37	18.00	default	
	802.11n-HT40 MCS0	CH 151	5755	15.50	17.50	default	77.63
		CH 159	5795	15.82	17.50	default	
		CH 149	5745	16.63	18.50	default	
	802.11ac-VHT20 MCS0	CH 157	5785	16.29	18.00	default	86.76
		CH 165	5825	16.79	18.50	default	
		CH 151	5755	16.05	18.00	14.00	
	802.11ac-VHT40 MCS0	CH 159	5795	16.29	18.00	14.00	77.63
		CH 155	5775	15.52	17.50	default	

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
BR / EDR	CH 00	2402	9.27	11.00	5.55	7.50	4.49	6.00
	CH 39	2441	9.78	11.50	6.06	8.00	6.15	8.00
	CH 78	2480	8.53	10.50	5.38	7.00	5.52	7.50
Duty Cycle %			77.6		78.13		78.09	

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
LE	CH 00	2402	-2.22	-0.50	-1.74	-0.50
	CH 19	2440	-2.48	-0.50	-2.14	-0.50
	CH 39	2480	-2.26	-0.50	-2.60	-1.00
Tune-up Limit			31.91		32.77	

Reduced Power Level 1

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		128	189	251		128	189	251	
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot		29.00	28.89	28.95	30.00	20.00	19.89	19.95	21.00
GPRS 1 Tx slot		29.01	29.04	28.97	30.00	20.01	20.04	19.97	21.00
GPRS 2 Tx slots		27.59	27.55	27.45	28.50	21.59	21.55	21.45	22.50
GPRS 3 Tx slots		26.15	26.13	26.09	27.00	21.89	21.87	21.83	22.74
GPRS 4 Tx slots		24.13	24.60	24.24	25.50	21.13	21.60	21.24	22.50
EDGE 1 Tx slot		22.45	22.53	22.37	23.50	13.45	13.53	13.37	14.50
EDGE 2 Tx slots		21.23	21.45	21.38	22.50	15.23	15.45	15.38	16.50
EDGE 3 Tx slots		19.39	19.36	19.23	20.50	15.13	15.10	14.97	16.24
EDGE 4 Tx slots		17.31	17.54	17.23	18.50	14.31	14.54	14.23	15.50
Mode			Max.	29.04			Max.	21.89	
Attenuator		Cable Loss : 0.6							
Date		3/18							

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot		24.54	24.59	24.60	25.00	15.54	15.59	15.60	16.00
GPRS 1 Tx slot		24.55	24.61	24.53	25.00	15.55	15.61	15.53	16.00
GPRS 2 Tx slots		22.85	22.99	22.95	24.00	16.85	16.99	16.95	18.00
GPRS 3 Tx slots		20.98	21.02	21.05	22.00	16.72	16.76	16.79	17.74
GPRS 4 Tx slots		19.17	19.23	19.12	20.00	16.17	16.23	16.12	17.00
EDGE 1 Tx slot		20.17	20.25	20.09	21.00	11.17	11.25	11.09	12.00
EDGE 2 Tx slots		18.27	18.49	18.42	19.50	12.27	12.49	12.42	13.50
EDGE 3 Tx slots		16.61	16.59	16.53	17.50	12.35	12.33	12.27	13.24
EDGE 4 Tx slots		14.59	14.61	14.63	15.50	11.59	11.61	11.63	12.50
Mode			Max.	24.61			Max.	16.99	
Attenuator		Cable Loss : 0.8							
Date		3/18							

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			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	17.60	17.64	17.58	18.00	17.33	17.51	17.29	18.00	19.50	19.57	19.49	20.50
3GPP Rel 5	HSDPA Subtest-1	16.33	16.50	16.48	17.50	15.98	16.12	16.03	17.00	18.06	17.97	18.00	19.00
3GPP Rel 5	HSDPA Subtest-2	16.26	16.43	16.57	17.50	16.12	16.18	16.02	17.00	18.09	18.04	17.90	19.00
3GPP Rel 5	HSDPA Subtest-3	15.91	15.95	16.12	17.00	16.13	16.16	16.01	17.00	18.15	18.08	18.02	19.00
3GPP Rel 5	HSDPA Subtest-4	15.94	16.00	16.09	17.00	16.17	16.20	16.06	17.00	18.17	18.13	17.99	19.00
3GPP Rel 8	DC-HSDPA Subtest-1	16.81	16.92	16.92	17.50	16.91	17.08	16.94	17.50	19.08	18.84	18.93	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.89	16.99	16.95	17.50	16.94	17.09	17.00	17.50	19.12	18.94	19.00	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.92	17.00	16.97	17.50	16.96	17.09	17.01	17.50	19.17	18.95	19.02	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	16.94	17.02	16.99	17.50	16.95	17.08	17.00	17.50	19.20	18.95	19.01	20.00
3GPP Rel 6	HSUPA Subtest-1	16.93	17.01	16.95	17.50	17.01	17.18	17.03	17.50	19.21	18.98	19.14	20.00
3GPP Rel 6	HSUPA Subtest-2	16.90	16.99	16.97	17.50	16.97	17.15	16.99	17.50	19.12	18.90	19.06	20.00
3GPP Rel 6	HSUPA Subtest-3	16.96	16.98	16.99	17.50	16.98	17.14	17.01	17.50	19.23	18.97	19.14	20.00
3GPP Rel 6	HSUPA Subtest-4	16.92	16.94	16.90	17.50	16.95	17.12	16.97	17.50	19.09	18.84	19.00	20.00
3GPP Rel 6	HSUPA Subtest-5	17.01	16.98	16.96	17.50	17.00	17.17	17.03	17.50	19.21	18.97	19.13	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.93	16.99	16.97	17.50	16.98	17.11	17.03	17.50	19.22	18.97	19.18	20.00
Attenuator		Cable Loss				Cable Loss				Cable Loss			
Mode			Max.	17.64			Max.	17.51			Max.	19.57	
Date		3/18				3/18				3/18			

Band 2 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1880	1880	1900	
20	QPSK	1	0	14.82	15.02	14.76	16
20	QPSK	1	49	14.80	14.84	14.77	
20	QPSK	1	99	14.74	14.81	14.78	
20	QPSK	50	0	14.37	14.30	14.33	15
20	QPSK	50	24	14.32	14.26	14.24	
20	QPSK	50	50	14.29	14.32	14.25	
20	QPSK	100	0	14.32	14.33	14.22	15
20	16QAM	1	0	13.99	13.90	13.73	
20	16QAM	1	49	13.87	13.96	13.91	
20	16QAM	1	99	13.97	13.74	14.01	14
20	16QAM	50	0	12.28	12.23	12.27	
20	16QAM	50	24	12.49	12.34	12.33	
20	16QAM	50	50	12.36	12.39	12.41	14
20	16QAM	100	0	12.34	12.36	12.32	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	14.77	14.93	14.69	16
15	QPSK	1	37	14.68	14.83	14.69	
15	QPSK	1	74	14.65	14.74	14.73	
15	QPSK	36	0	14.31	14.26	14.26	15
15	QPSK	36	20	14.20	14.16	14.21	
15	QPSK	36	39	14.19	14.23	14.18	
15	QPSK	75	0	14.30	14.25	14.15	15
15	16QAM	1	0	13.91	13.78	13.72	
15	16QAM	1	37	13.75	13.95	13.88	
15	16QAM	1	74	13.93	13.73	13.94	14
15	16QAM	36	0	12.26	12.19	12.23	
15	16QAM	36	20	12.37	12.28	12.23	
15	16QAM	36	39	12.28	12.34	12.31	14
15	16QAM	75	0	12.27	12.28	12.31	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	14.67	14.83	14.61	16
10	QPSK	1	25	14.56	14.74	14.62	
10	QPSK	1	49	14.63	14.69	14.71	
10	QPSK	25	0	14.26	14.15	14.19	15
10	QPSK	25	12	14.18	14.14	14.12	
10	QPSK	25	25	14.13	14.17	14.09	
10	QPSK	50	0	14.29	14.24	14.04	15
10	16QAM	1	0	13.90	13.77	13.64	
10	16QAM	1	25	13.72	13.90	13.84	
10	16QAM	1	49	13.84	13.62	13.82	14
10	16QAM	25	0	12.17	12.18	12.17	
10	16QAM	25	12	12.36	12.21	12.14	
10	16QAM	25	25	12.23	12.33	12.23	14
10	16QAM	50	0	12.26	12.24	12.25	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	14.44	14.64	14.44	16
5	QPSK	1	12	14.47	14.59	14.54	
5	QPSK	1	24	14.43	14.62	14.50	
5	QPSK	12	0	14.16	14.06	14.17	15
5	QPSK	12	7	14.04	13.96	14.03	
5	QPSK	12	13	13.94	14.13	13.86	
5	QPSK	25	0	14.16	14.20	13.92	15
5	16QAM	1	0	13.74	13.62	13.49	
5	16QAM	1	12	13.67	13.86	13.76	
5	16QAM	1	24	13.65	13.42	13.65	14
5	16QAM	12	0	12.10	12.07	12.04	
5	16QAM	12	7	12.23	12.14	12.00	
5	16QAM	12	13	12.01	12.27	12.01	14
5	16QAM	25	0	12.17	12.16	12.14	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	14.71	14.80	14.66	16
3	QPSK	1	8	14.69	14.74	14.66	
3	QPSK	1	14	14.64	14.72	14.68	
3	QPSK	8	0	14.27	14.20	14.23	15
3	QPSK	8	4	14.21	14.15	14.14	
3	QPSK	8	7	14.18	14.22	14.14	
3	QPSK	15	0	14.21	14.24	14.11	15
3	16QAM	1	0	13.89	13.80	13.62	
3	16QAM	1	8	13.76	13.85	13.80	
3	16QAM	1	14	13.86	13.64	13.90	14
3	16QAM	8	0	12.18	12.12	12.17	
3	16QAM	8	4	12.40	12.25	12.22	
3	16QAM	8	7	12.25	12.28	12.30	14
3	16QAM	15	0	12.25	12.26	12.23	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	14.66	14.73	14.61	16
1.4	QPSK	1	3	14.63	14.67	14.60	
1.4	QPSK	1	5	14.58	14.65	14.61	
1.4	QPSK	3	0	14.21	14.14	14.17	15
1.4	QPSK	3	1	14.16	14.11	14.09	
1.4	QPSK	3	3	14.14	14.17	14.08	
1.4	QPSK	6	0	14.15	14.17	14.07	15
1.4	16QAM	1	0	13.82	13.73	13.57	
1.4	16QAM	1	3	13.71	13.79	13.74	
1.4	16QAM	1	5	13.80	13.59	13.84	15
1.4	16QAM	3	0	12.12	12.07	12.11	
1.4	16QAM	3	1	12.32	12.19	12.16	
1.4	16QAM	3	3	12.21	12.24	12.24	14
1.4	16QAM	6	0	12.19	12.19	12.16	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
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	15.95	15.96	15.92	17
20	QPSK	1	49	15.87	15.87	15.86	
20	QPSK	1	99	15.80	15.81	15.82	
20	QPSK	50	0	15.37	15.36	15.29	16
20	QPSK	50	24	15.29	15.31	15.31	
20	QPSK	50	50	15.28	15.32	15.39	
20	QPSK	100	0	15.27	15.32	15.27	16
20	16QAM	1	0	14.97	15.20	15.26	
20	16QAM	1	49	15.20	15.29	15.14	
20	16QAM	1	99	15.30	15.32	15.39	15
20	16QAM	50	0	13.75	13.69	13.74	
20	16QAM	50	24	13.78	13.70	13.71	
20	16QAM	50	50	13.82	13.70	13.69	15
20	16QAM	100	0	13.74	13.76	13.72	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	15.89	15.90	15.82	17
15	QPSK	1	37	15.78	15.80	15.72	
15	QPSK	1	74	15.79	15.73	15.74	
15	QPSK	36	0	15.33	15.33	15.19	16
15	QPSK	36	20	15.26	15.32	15.30	
15	QPSK	36	39	15.22	15.23	15.33	
15	QPSK	75	0	15.23	15.29	15.24	16
15	16QAM	1	0	14.90	15.18	15.22	
15	16QAM	1	37	15.23	15.22	15.07	
15	16QAM	1	74	15.28	15.23	15.38	15
15	16QAM	36	0	13.72	13.64	13.70	
15	16QAM	36	20	13.76	13.62	13.65	
15	16QAM	36	39	13.79	13.67	13.66	15
15	16QAM	75	0	13.68	13.71	13.70	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	15.82	15.86	15.78	17
10	QPSK	1	25	15.72	15.76	15.68	
10	QPSK	1	49	15.76	15.71	15.65	
10	QPSK	25	0	15.27	15.27	15.16	16
10	QPSK	25	12	15.23	15.27	15.24	
10	QPSK	25	25	15.18	15.20	15.26	
10	QPSK	50	0	15.13	15.23	15.15	16
10	16QAM	1	0	14.86	15.10	15.20	
10	16QAM	1	25	15.22	15.16	15.06	
10	16QAM	1	49	15.22	15.22	15.33	15
10	16QAM	25	0	13.66	13.60	13.67	
10	16QAM	25	12	13.74	13.53	13.55	
10	16QAM	25	25	13.78	13.63	13.65	15
10	16QAM	50	0	13.61	13.61	13.65	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	15.74	15.69	15.77	17
5	QPSK	1	12	15.62	15.74	15.59	
5	QPSK	1	24	15.68	15.64	15.56	
5	QPSK	12	0	15.26	15.24	15.09	16
5	QPSK	12	7	15.18	15.24	15.18	
5	QPSK	12	13	15.15	15.10	15.25	
5	QPSK	25	0	15.06	15.16	15.10	16
5	16QAM	1	0	14.79	15.09	15.12	
5	16QAM	1	12	15.20	15.13	14.96	
5	16QAM	1	24	15.15	15.19	15.27	15
5	16QAM	12	0	13.64	13.57	13.59	
5	16QAM	12	7	13.64	13.50	13.46	
5	16QAM	12	13	13.75	13.55	13.59	15
5	16QAM	25	0	13.56	13.51	13.62	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	15.66	15.58	15.67	17
3	QPSK	1	8	15.53	15.66	15.51	
3	QPSK	1	14	15.56	15.61	15.47	
3	QPSK	8	0	15.22	15.13	15.06	16
3	QPSK	8	4	15.15	15.15	15.08	
3	QPSK	8	7	15.08	15.07	15.13	
3	QPSK	15	0	14.98	15.13	15.02	16
3	16QAM	1	0	14.70	15.04	15.06	
3	16QAM	1	8	15.16	15.11	14.86	
3	16QAM	1	14	15.06	15.15	15.15	15
3	16QAM	8	0	13.61	13.51	13.55	
3	16QAM	8	4	13.54	13.40	13.41	
3	16QAM	8	7	13.73	13.51	13.54	15
3	16QAM	15	0	13.49	13.47	13.52	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	15.58	15.52	15.57	17
1.4	QPSK	1	3	15.44	15.59	15.41	
1.4	QPSK	1	5	15.55	15.53	15.44	
1.4	QPSK	3	0	15.13	15.08	15.05	16
1.4	QPSK	3	1	15.10	15.06	15.07	
1.4	QPSK	3	3	15.03	15.00	15.08	
1.4	QPSK	6	0	14.93	15.04	14.98	16
1.4	16QAM	1	0	14.80	14.94	14.96	
1.4	16QAM	1	3	15.15	15.03	14.78	
1.4	16QAM	1	5	15.05	15.11	15.06	15
1.4	16QAM	3	0	14.72	14.64	14.69	
1.4	16QAM	3	1	14.69	14.58	14.58	
1.4	16QAM	3	3	14.89	14.70	14.64	15
1.4	16QAM	6	0	13.48	13.46	13.50	

Band 5 (Celluar Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	22.8
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	21.38	21.50	21.44	21.8
10	QPSK	1	25	21.40	21.46	21.28	
10	QPSK	1	49	21.27	21.35	21.23	
10	QPSK	25	0	20.98	21.12	21.02	
10	QPSK	25	12	21.06	21.03	20.95	21.8
10	QPSK	25	25	20.93	20.93	20.93	
10	QPSK	50	0	20.79	20.85	20.82	
10	16QAM	1	0	20.95	20.87	20.81	
10	16QAM	1	25	20.94	21.05	20.95	21.8
10	16QAM	1	49	20.93	20.94	20.81	
10	16QAM	25	0	19.14	19.12	19.08	
10	16QAM	25	12	19.11	19.02	18.99	
10	16QAM	25	25	19.22	19.11	19.05	20.8
10	16QAM	50	0	19.22	19.03	19.08	
Channel				20425	20525	20625	22.8
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	21.35	21.40	21.37	21.8
5	QPSK	1	12	21.35	21.45	21.25	
5	QPSK	1	24	21.22	21.34	21.18	
5	QPSK	12	0	20.95	21.04	20.96	
5	QPSK	12	7	21.05	20.98	20.86	21.8
5	QPSK	12	13	20.86	20.87	20.90	
5	QPSK	25	0	20.74	20.84	20.78	
5	16QAM	1	0	20.90	20.79	20.76	
5	16QAM	1	12	20.91	20.98	20.94	21.8
5	16QAM	1	24	20.83	20.86	20.77	
5	16QAM	12	0	19.11	19.02	19.03	
5	16QAM	12	7	19.02	18.96	18.90	
5	16QAM	12	13	19.20	19.07	19.00	20.8
5	16QAM	25	0	19.21	18.95	18.98	
Channel				20415	20525	20635	22.8
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	21.26	21.30	21.27	21.8
3	QPSK	1	8	21.34	21.42	21.19	
3	QPSK	1	14	21.18	21.33	21.08	
3	QPSK	8	0	20.94	20.97	20.94	
3	QPSK	8	4	20.95	20.91	20.80	21.8
3	QPSK	8	7	20.76	20.81	20.81	
3	QPSK	15	0	20.69	20.80	20.77	
3	16QAM	1	0	20.84	20.75	20.69	
3	16QAM	1	8	20.82	20.89	20.93	21.8
3	16QAM	1	14	20.80	20.76	20.72	
3	16QAM	8	0	19.06	18.98	19.00	
3	16QAM	8	4	18.97	18.88	18.87	
3	16QAM	8	7	19.17	19.05	18.92	20.8
3	16QAM	15	0	19.14	18.89	18.95	
Channel				20407	20525	20643	22.8
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	21.16	21.23	21.20	21.8
1.4	QPSK	1	3	21.29	21.34	21.18	
1.4	QPSK	1	5	21.14	21.26	20.99	
1.4	QPSK	3	0	20.88	20.96	20.88	
1.4	QPSK	3	1	20.85	20.84	20.71	21.8
1.4	QPSK	3	3	20.69	20.76	20.75	
1.4	QPSK	6	0	20.59	20.79	20.75	
1.4	16QAM	1	0	20.75	20.70	20.62	
1.4	16QAM	1	3	20.81	20.81	20.92	21.8
1.4	16QAM	1	5	20.75	20.75	20.65	
1.4	16QAM	3	0	19.98	19.89	19.93	
1.4	16QAM	3	1	19.87	19.82	19.81	
1.4	16QAM	3	3	20.11	20.04	19.90	20.8
1.4	16QAM	6	0	19.04	18.87	18.85	

Band 7 (2600MHz Band) (dBm) Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	16.7
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	15.47	15.53	15.40	15.7
20	QPSK	1	49	15.41	15.48	15.49	
20	QPSK	1	99	15.48	15.47	15.48	
20	QPSK	50	0	14.89	15.00	14.95	
20	QPSK	50	24	14.97	14.93	14.93	15.7
20	QPSK	50	50	14.94	14.94	14.95	
20	QPSK	100	0	14.90	14.93	14.88	
20	16QAM	1	0	14.85	14.81	14.84	
20	16QAM	1	49	14.89	14.93	14.86	14.7
20	16QAM	1	99	14.94	15.00	14.92	
20	16QAM	50	0	13.83	13.98	14.05	
20	16QAM	50	24	13.89	13.91	13.83	
20	16QAM	50	50	13.92	13.94	13.81	14.7
20	16QAM	100	0	13.89	13.87	14.01	
Channel				20825	21100	21375	16.7
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	15.36	15.55	15.43	15.7
15	QPSK	1	37	15.33	15.42	15.46	
15	QPSK	1	74	15.40	15.42	15.46	
15	QPSK	36	0	14.84	14.92	14.85	
15	QPSK	36	20	14.96	14.82	14.86	15.7
15	QPSK	36	39	14.91	14.83	14.86	
15	QPSK	75	0	14.88	14.82	14.83	
15	16QAM	1	0	14.78	14.78	14.81	
15	16QAM	1	37	14.79	14.87	14.79	14.7
15	16QAM	1	74	14.91	14.88	14.84	
15	16QAM	36	0	13.81	13.90	14.00	
15	16QAM	36	20	13.80	13.79	13.76	
15	16QAM	36	39	13.90	13.83	13.71	14.7
15	16QAM	75	0	13.81	13.76	13.96	
Channel				20800	21100	21400	16.7
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	15.35	15.44	15.37	15.7
10	QPSK	1	25	15.25	15.30	15.36	
10	QPSK	1	49	15.32	15.34	15.42	
10	QPSK	25	0	14.81	14.91	14.80	
10	QPSK	25	12	14.88	14.77	14.83	15.7
10	QPSK	25	25	14.82	14.72	14.82	
10	QPSK	50	0	14.84	14.79	14.81	
10	16QAM	1	0	14.68	14.67	14.74	
10	16QAM	1	25	14.67	14.86	14.78	15.7
10	16QAM	1	49	14.80	14.77	14.79	
10	16QAM	25	0	13.75	13.79	13.96	
10	16QAM	25	12	13.72	13.76	13.75	
10	16QAM	25	25	13.86	13.77	13.70	14.7
10	16QAM	50	0	13.76	13.70	13.93	
Channel				20775	21100	21425	16.7
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	15.30	15.37	15.27	15.7
5	QPSK	1	12	15.24	15.28	15.24	
5	QPSK	1	24	15.20	15.22	15.39	
5	QPSK	12	0	14.72	14.79	14.71	
5	QPSK	12	7	14.84	14.76	14.77	15.7
5	QPSK	12	13	14.81	14.62	14.80	
5	QPSK	25	0	14.74	14.73	14.69	
5	16QAM	1	0	14.62	14.62	14.71	
5	16QAM	1	12	14.64	14.81	14.73	15.7
5	16QAM	1	24	14.71	14.75	14.72	
5	16QAM	12	0	13.65	13.77	13.84	
5	16QAM	12	7	13.70	13.70	13.64	
5	16QAM	12	13	13.77	13.73	13.63	14.7
5	16QAM	25	0	13.64	13.65	13.91	

Band 26 for FCC (dBm) (only on channel required)							
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	21.76	21.94	21.81	23
15	QPSK	1	37	21.75	21.78	21.79	
15	QPSK	1	74	21.65	21.80	21.82	
15	QPSK	36	0	20.76	20.79	20.70	22
15	QPSK	36	20	20.98	20.89	20.96	
15	QPSK	36	39	20.98	20.93	20.90	
15	QPSK	75	0	20.92	20.91	20.97	22
15	16QAM	1	0	21.16	21.13	21.00	
15	16QAM	1	37	20.91	20.98	20.98	
15	16QAM	1	74	20.96	20.91	21.02	21
15	16QAM	36	0	19.64	19.66	19.77	
15	16QAM	36	20	19.62	19.67	19.64	
15	16QAM	36	39	19.74	20.00	19.73	21
15	16QAM	75	0	19.78	19.72	19.69	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.68	21.83	21.71	23
10	QPSK	1	25	21.72	21.67	21.78	
10	QPSK	1	49	21.60	21.74	21.70	
10	QPSK	25	0	20.72	20.69	20.63	22
10	QPSK	25	12	20.95	20.82	20.91	
10	QPSK	25	25	20.90	20.90	20.85	
10	QPSK	50	0	20.84	20.89	20.89	22
10	16QAM	1	0	21.12	21.07	20.91	
10	16QAM	1	25	20.80	20.91	20.87	
10	16QAM	1	49	20.86	20.84	20.93	21
10	16QAM	25	0	19.55	19.65	19.73	
10	16QAM	25	12	19.61	19.62	19.61	
10	16QAM	25	25	19.69	19.88	19.66	21
10	16QAM	50	0	19.72	19.61	19.64	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.69	21.72	21.65	23
5	QPSK	1	12	21.53	21.74	21.67	
5	QPSK	1	24	21.42	21.67	21.66	
5	QPSK	12	0	20.65	20.68	20.55	22
5	QPSK	12	7	20.94	20.68	20.79	
5	QPSK	12	13	20.74	20.75	20.76	
5	QPSK	25	0	20.81	20.76	20.85	22
5	16QAM	1	0	21.03	20.94	20.94	
5	16QAM	1	12	20.77	20.86	20.81	
5	16QAM	1	24	20.79	20.71	20.85	21
5	16QAM	12	0	19.47	19.56	19.55	
5	16QAM	12	7	19.51	19.46	19.54	
5	16QAM	12	13	19.56	19.53	19.68	21
5	16QAM	25	0	19.63	19.52	19.61	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.63	21.61	21.62	23
3	QPSK	1	8	21.47	21.71	21.66	
3	QPSK	1	14	21.39	21.65	21.60	
3	QPSK	8	0	20.62	20.66	20.48	22
3	QPSK	8	4	20.92	20.58	20.75	
3	QPSK	8	7	20.62	20.69	20.68	
3	QPSK	15	0	20.75	20.70	20.74	22
3	16QAM	1	0	20.93	20.89	20.87	
3	16QAM	1	8	20.65	20.83	20.70	
3	16QAM	1	14	20.67	20.60	20.84	21
3	16QAM	8	0	19.46	19.51	19.43	
3	16QAM	8	4	19.41	19.36	19.43	
3	16QAM	8	7	19.52	19.45	19.58	21
3	16QAM	15	0	19.58	19.49	19.60	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.60	21.50	21.58	23
1.4	QPSK	1	3	21.35	21.59	21.55	
1.4	QPSK	1	5	21.30	21.60	21.51	
1.4	QPSK	3	0	21.06	21.09	21.13	22
1.4	QPSK	3	1	21.44	21.06	21.20	
1.4	QPSK	3	3	21.05	21.16	21.10	
1.4	QPSK	6	0	20.66	20.67	20.67	22
1.4	16QAM	1	0	20.86	20.79	20.85	
1.4	16QAM	1	3	20.58	20.74	20.58	
1.4	16QAM	1	5	20.62	20.50	20.72	22
1.4	16QAM	3	0	20.18	20.22	20.17	
1.4	16QAM	3	1	20.14	20.14	20.20	
1.4	16QAM	3	3	20.04	20.18	20.03	21
1.4	16QAM	6	0	19.50	19.45	19.53	

Band 38(only on channel required) (dBm)							
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	17.20	17.32	17.28	18.3
20	QPSK	1	49	17.18	17.17	17.18	
20	QPSK	1	99	16.97	17.07	17.13	
20	QPSK	50	0	16.33	16.37	16.24	17.3
20	QPSK	50	24	16.25	16.19	16.24	
20	QPSK	50	50	16.20	16.19	16.18	
20	QPSK	100	0	16.24	16.18	16.30	17.3
20	16QAM	1	0	16.40	16.46	16.22	
20	16QAM	1	49	16.13	16.28	16.22	
20	16QAM	1	99	16.18	16.14	16.33	16.3
20	16QAM	50	0	15.24	15.22	15.39	
20	16QAM	50	24	15.14	15.29	15.27	
20	16QAM	50	50	15.27	15.31	15.30	16.3
20	16QAM	100	0	15.33	15.25	15.28	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.14	17.20	17.20	18.3
15	QPSK	1	37	17.06	17.13	17.17	
15	QPSK	1	74	16.85	17.06	17.06	
15	QPSK	36	0	16.25	16.33	16.12	17.3
15	QPSK	36	20	16.22	16.09	16.21	
15	QPSK	36	39	16.09	16.18	16.07	
15	QPSK	75	0	16.21	16.11	16.22	17.3
15	16QAM	1	0	16.36	16.40	16.18	
15	16QAM	1	37	16.07	16.22	16.21	
15	16QAM	1	74	16.17	16.08	16.25	16.3
15	16QAM	36	0	15.16	15.11	15.32	
15	16QAM	36	20	15.10	15.23	15.21	
15	16QAM	36	39	15.16	15.30	15.20	16.3
15	16QAM	75	0	15.25	15.24	15.26	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	17.03	17.12	17.11	18.3
10	QPSK	1	25	17.00	17.07	17.09	
10	QPSK	1	49	16.82	17.04	17.01	
10	QPSK	25	0	16.14	16.23	16.11	17.3
10	QPSK	25	12	16.11	16.06	16.16	
10	QPSK	25	25	15.97	16.17	16.06	
10	QPSK	50	0	16.12	16.02	16.19	17.3
10	16QAM	1	0	16.34	16.33	16.11	
10	16QAM	1	25	16.01	16.14	16.12	
10	16QAM	1	49	16.06	16.03	16.16	16.3
10	16QAM	25	0	15.07	15.04	15.30	
10	16QAM	25	12	15.02	15.19	15.19	
10	16QAM	25	25	15.05	15.23	15.12	16.3
10	16QAM	50	0	15.23	15.18	15.25	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	16.91	17.00	17.05	18.3
5	QPSK	1	12	16.93	16.97	17.06	
5	QPSK	1	24	16.70	17.01	16.91	
5	QPSK	12	0	16.11	16.13	16.06	17.3
5	QPSK	12	7	16.08	15.98	16.14	
5	QPSK	12	13	15.88	16.12	16.04	
5	QPSK	25	0	16.08	15.90	16.13	17.3
5	16QAM	1	0	16.24	16.23	15.99	
5	16QAM	1	12	15.96	16.10	16.06	
5	16QAM	1	24	16.02	15.95	16.13	16.3
5	16QAM	12	0	15.02	14.93	15.26	
5	16QAM	12	7	14.92	15.12	15.17	
5	16QAM	12	13	14.96	15.19	15.02	16.3
5	16QAM	25	0	15.12	15.15	15.14	

Band 41 (2535~2655MHz) (dBm)									
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	17.25	17.27	17.37	17.19	17.30	18.3
20	QPSK	1	49	16.80	16.74	16.80	16.62	16.73	
20	QPSK	1	99	16.53	16.45	16.45	16.37	16.44	
20	QPSK	50	0	16.15	16.25	15.95	16.42	16.19	17.3
20	QPSK	50	24	16.41	16.15	16.09	16.13	16.16	
20	QPSK	50	50	16.40	16.07	15.96	16.15	16.05	
20	QPSK	100	0	16.49	16.10	16.06	16.22	16.11	17.3
20	16QAM	1	0	16.26	16.19	16.30	16.39	16.37	
20	16QAM	1	49	16.42	16.42	16.22	16.34	16.40	
20	16QAM	1	99	16.32	16.31	16.24	16.31	16.36	16.3
20	16QAM	50	0	15.19	15.23	15.09	15.34	15.18	
20	16QAM	50	24	15.46	15.26	15.08	15.22	15.19	
20	16QAM	50	50	15.42	15.20	15.04	15.18	15.18	16.3
20	16QAM	100	0	15.34	15.37	15.19	15.32	15.27	
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	17.18	17.08	17.26	16.99	17.21	18.3
15	QPSK	1	37	16.75	16.65	16.70	16.57	16.66	
15	QPSK	1	74	16.47	16.35	16.37	16.32	16.43	
15	QPSK	36	0	16.04	16.15	15.94	16.35	16.18	17.3
15	QPSK	36	20	16.29	16.11	15.98	16.05	16.04	
15	QPSK	36	39	16.32	15.98	15.84	16.09	15.95	
15	QPSK	75	0	16.42	16.06	16.05	16.13	16.00	17.3
15	16QAM	1	0	16.24	16.35	16.23	16.31	16.31	
15	16QAM	1	37	16.31	16.36	16.14	16.28	16.37	
15	16QAM	1	74	16.23	16.22	16.18	16.21	16.34	16.3
15	16QAM	36	0	15.41	15.20	15.07	15.27	15.12	
15	16QAM	36	20	15.37	15.24	14.97	15.20	15.09	
15	16QAM	36	39	15.32	15.12	14.94	15.10	15.17	16.3
15	16QAM	75	0	15.29	15.36	15.14	15.21	15.24	
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	17.17	16.97	17.17	16.91	17.18	18.3
10	QPSK	1	25	16.72	16.56	16.59	16.54	16.56	
10	QPSK	1	49	16.43	16.25	16.36	16.31	16.33	
10	QPSK	25	0	15.95	16.10	15.93	16.32	16.17	17.3
10	QPSK	25	12	16.19	16.04	15.96	16.03	15.93	
10	QPSK	25	25	16.22	15.90	15.78	16.05	15.87	
10	QPSK	50	0	16.30	16.03	15.95	16.08	15.97	17.3
10	16QAM	1	0	16.31	16.32	16.12	16.21	16.22	
10	16QAM	1	25	16.20	16.29	16.06	16.27	16.27	
10	16QAM	1	49	16.22	16.21	16.10	16.14	16.31	16.3
10	16QAM	25	0	15.35	15.13	14.99	15.26	15.09	
10	16QAM	25	12	15.28	15.17	14.93	15.10	15.07	
10	16QAM	25	25	15.22	15.06	14.86	14.99	15.05	16.3
10	16QAM	50	0	15.24	15.32	15.04	15.09	15.23	
Channel				40065	40353	40640	40928	41215	Tune-up limit (dBm)
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	17.10	16.92	17.07	16.82	17.13	18.3
5	QPSK	1	12	16.71	16.55	16.56	16.45	16.46	
5	QPSK	1	24	16.36	16.17	16.29	16.24	16.32	
5	QPSK	12	0	15.91	16.03	15.82	16.27	16.09	17.3
5	QPSK	12	7	16.08	15.97	15.89	15.97	15.88	
5	QPSK	12	13	16.21	15.81	15.69	15.95	15.81	
5	QPSK	25	0	16.23	15.94	15.94	16.02	15.91	17.3
5	16QAM	1	0	16.20	16.22	16.02	16.20	16.17	
5	16QAM	1	12	16.19	16.25	16.01	16.23	16.18	
5	16QAM	1	24	16.15	16.15	15.99	16.08	16.28	16.3
5	16QAM	12	0	15.31	15.05	14.90	15.18	15.05	
5	16QAM	12	7	15.20	15.05	14.86	15.02	15.05	
5	16QAM	12	13	15.10	14.95	14.84	14.94	15.03	16.3
5	16QAM	25	0	15.14	15.21	15.00	15.02	15.20	

Band 66 (dBm)							
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	16.01	16.08	15.96	16.5
20	QPSK	1	49	15.76	15.82	15.78	
20	QPSK	1	99	15.74	15.89	15.91	
20	QPSK	50	0	14.96	15.07	14.99	15.5
20	QPSK	50	24	14.94	14.86	14.93	
20	QPSK	50	50	14.97	14.93	14.91	
20	QPSK	100	0	14.90	14.87	14.91	15.5
20	16QAM	1	0	15.20	15.13	15.03	
20	16QAM	1	49	14.93	14.95	14.93	
20	16QAM	1	99	14.90	14.95	15.04	14.5
20	16QAM	50	0	13.95	13.99	14.05	
20	16QAM	50	24	13.93	13.97	13.93	
20	16QAM	50	50	14.00	13.99	13.98	14.5
20	16QAM	100	0	14.03	14.03	13.98	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	16.00	15.99	15.94	16.5
15	QPSK	1	37	15.73	15.73	15.75	
15	QPSK	1	74	15.72	15.80	15.82	
15	QPSK	36	0	14.86	14.95	14.94	15.5
15	QPSK	36	20	14.89	14.84	14.89	
15	QPSK	36	39	14.90	14.83	14.89	
15	QPSK	75	0	14.82	14.75	14.90	15.5
15	16QAM	1	0	15.16	15.11	14.97	
15	16QAM	1	37	14.91	14.88	14.85	
15	16QAM	1	74	14.79	14.85	14.99	14.5
15	16QAM	36	0	13.91	13.93	13.95	
15	16QAM	36	20	13.84	13.92	13.84	
15	16QAM	36	39	13.95	13.96	13.92	14.5
15	16QAM	75	0	13.91	13.99	13.91	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	15.88	15.92	15.84	16.5
10	QPSK	1	25	15.69	15.64	15.67	
10	QPSK	1	49	15.62	15.72	15.73	
10	QPSK	25	0	14.74	14.94	14.82	15.5
10	QPSK	25	12	14.88	14.73	14.81	
10	QPSK	25	25	14.85	14.75	14.81	
10	QPSK	50	0	14.74	14.69	14.84	15.5
10	16QAM	1	0	15.15	15.01	14.93	
10	16QAM	1	25	14.80	14.80	14.84	
10	16QAM	1	49	14.72	14.79	14.97	14.5
10	16QAM	25	0	13.81	13.87	13.91	
10	16QAM	25	12	13.83	13.91	13.83	
10	16QAM	25	25	13.90	13.85	13.91	14.5
10	16QAM	50	0	13.86	13.98	13.85	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	15.83	15.87	15.82	16.5
5	QPSK	1	12	15.62	15.57	15.57	
5	QPSK	1	24	15.61	15.66	15.63	
5	QPSK	12	0	14.66	14.89	14.73	15.5
5	QPSK	12	7	14.77	14.64	14.80	
5	QPSK	12	13	14.77	14.67	14.74	
5	QPSK	25	0	14.62	14.58	14.82	15.5
5	16QAM	1	0	15.08	14.92	14.90	
5	16QAM	1	12	14.79	14.76	14.76	
5	16QAM	1	24	14.65	14.69	14.89	14.5
5	16QAM	12	0	13.70	13.80	13.80	
5	16QAM	12	7	13.80	13.81	13.82	
5	16QAM	12	13	13.88	13.82	13.88	14.5
5	16QAM	25	0	13.74	13.92	13.75	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	15.75	15.78	15.75	16.5
3	QPSK	1	8	15.55	15.52	15.45	
3	QPSK	1	14	15.50	15.64	15.61	
3	QPSK	8	0	14.58	14.86	14.71	15.5
3	QPSK	8	4	14.71	14.62	14.69	
3	QPSK	8	7	14.76	14.56	14.72	
3	QPSK	15	0	14.56	14.53	14.77	15.5
3	16QAM	1	0	15.04	14.83	14.86	
3	16QAM	1	8	14.69	14.74	14.66	
3	16QAM	1	14	14.55	14.62	14.87	14.5
3	16QAM	8	0	13.67	13.68	13.77	
3	16QAM	8	4	13.77	13.78	13.80	
3	16QAM	8	7	13.78	13.74	13.83	14.5
3	16QAM	15	0	13.63	13.84	13.69	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	15.64	15.70	15.72	16.5
1.4	QPSK	1	3	15.45	15.44	15.34	
1.4	QPSK	1	5	15.45	15.57	15.56	
1.4	QPSK	3	0	15.32	15.51	15.35	15.5
1.4	QPSK	3	1	15.42	15.28	15.35	
1.4	QPSK	3	3	15.43	15.25	15.37	
1.4	QPSK	6	0	14.47	14.52	14.69	15.5
1.4	16QAM	1	0	14.94	14.71	14.80	
1.4	16QAM	1	3	14.66	14.69	14.56	
1.4	16QAM	1	5	14.70	14.56	14.84	15.5
1.4	16QAM	3	0	14.34	14.32	14.43	
1.4	16QAM	3	1	14.47	14.45	14.54	
1.4	16QAM	3	3	14.44	14.41	14.47	14.5
1.4	16QAM	6	0	13.56	13.81	13.57	

Reduced Power Level 2

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	16.86	18.50	15.00	88.54
		CH 44	5220	17.25	19.00	15.00	
		CH 48	5240	16.97	18.50	15.00	
	802.11n-HT20 MCS0	CH 36	5180	16.65	18.50	15.00	86.76
		CH 44	5220	16.63	18.50	15.00	
		CH 48	5240	16.32	18.00	15.00	
	802.11n-HT40 MCS0	CH 38	5190	15.06	17.00	15.00	77.63
		CH 46	5230	15.01	17.00	15.00	
		CH 36	5180	16.68	18.50	15.00	
	802.11ac-VHT20 MCS0	CH 44	5220	16.68	18.50	15.00	86.76
		CH 48	5240	16.33	18.00	15.00	
		CH 38	5190	15.71	17.50	13.00	
	802.11ac-VHT40 MCS0	CH 46	5230	15.68	17.50	13.00	76.62
		CH 42	5210	15.45	17.00	15.00	
	802.11ac-VHT80 MCS0	CH 42	5210	15.45	17.00	15.00	63.83

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 1	802.11a 6Mbps	CH 52	5260	16.09	18.00	14.00	88.54
		CH 60	5300	16.48	18.00	14.00	
		CH 64	5320	15.67	17.50	14.00	
	802.11n-HT20 MCS0	CH 52	5260	15.46	17.00	14.00	87.31
		CH 60	5300	15.85	17.50	14.00	
		CH 64	5320	15.05	17.00	14.00	
	802.11n-HT40 MCS0	CH 54	5270	14.16	16.00	14.00	77.63
		CH 62	5310	14.62	16.50	14.00	
	802.11ac-VHT20 MCS0	CH 52	5260	15.44	17.00	14.00	87.41
		CH 60	5300	15.90	17.50	14.00	
		CH 64	5320	15.04	17.00	14.00	
	802.11ac-VHT40 MCS0	CH 54	5270	14.87	16.50	12.00	76.62
		CH 62	5310	14.91	16.50	12.00	
	802.11ac-VHT80 MCS0	CH 58	5290	14.53	16.50	14.00	63.04

5GHzWLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 1	802.11a 6Mbps	CH 100	5500	14.51	16.50	13.00	89.10
		CH 116	5580	14.86	16.50	13.00	
		CH 140	5700	15.12	17.00	13.00	
	802.11n-HT20 MCS0	CH 100	5500	13.92	15.50	13.00	86.76
		CH 116	5580	14.26	16.00	13.00	
		CH 140	5700	14.50	16.50	13.00	
	802.11n-HT40 MCS0	CH 102	5510	12.68	14.50	13.00	77.63
		CH 110	5550	12.57	14.50	13.00	
		CH 134	5670	12.83	14.50	13.00	
	802.11ac-VHT20 MCS0	CH 100	5500	13.90	15.50	13.00	87.41
		CH 116	5580	14.21	16.00	13.00	
		CH 140	5700	14.52	16.50	13.00	
	802.11ac-VHT40 MCS0	CH 102	5510	13.15	15.00	11.00	77.63
		CH 110	5550	13.12	15.00	11.00	
		CH 134	5670	13.44	15.00	11.00	
	802.11ac-VHT80 MCS0	CH 106	5530	12.61	14.50	13.00	63.83
		CH 138	5690	13.25	15.00	13.00	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	15.32	17.00	14.00	88.54
		CH 157	5785	15.26	17.00	14.00	
		CH 165	5825	15.45	17.00	14.00	
	802.11n-HT20 MCS0	CH 149	5745	14.67	16.50	14.00	87.31
		CH 157	5785	14.34	16.00	14.00	
		CH 165	5825	14.37	16.00	14.00	
	802.11n-HT40 MCS0	CH 151	5755	13.50	15.50	14.00	77.63
		CH 159	5795	13.82	15.50	14.00	
		CH 149	5745	14.63	16.50	14.00	
	802.11ac-VHT20 MCS0	CH 157	5785	14.29	16.00	14.00	86.76
		CH 165	5825	14.79	16.50	14.00	
		CH 151	5755	14.05	16.00	12.00	
	802.11ac-VHT40 MCS0	CH 159	5795	14.29	16.00	12.00	77.63
		CH 155	5775	13.52	15.50	14.00	
	802.11ac-VHT80 MCS0	CH 155	5775	13.52	15.50	14.00	62.50

Reduced Power Level 3

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	13.78	15.50	default	97.88
		CH 6	2437	13.40	15.00	default	
		CH 11	2462	14.08	16.00	default	
	802.11g 6Mbps	CH 1	2412	12.61	14.50	default	88.55
		CH 6	2437	12.23	14.00	default	
		CH 11	2462	12.73	14.50	default	
	802.11n-HT20 MCS0	CH 1	2412	12.51	14.50	default	87.22
		CH 6	2437	12.01	14.00	default	
		CH 11	2462	12.56	14.50	default	
	802.11n-HT40 MCS0	CH 3	2422	11.64	13.50	default	74.24
		CH 6	2437	10.75	12.50	default	
		CH 9	2452	11.19	13.00	default	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	13.86	15.50	12.00	88.54
		CH 44	5220	14.26	16.00	12.00	
		CH 48	5240	13.97	15.50	12.00	
	802.11n-HT20 MCS0	CH 36	5180	13.65	15.50	12.00	86.76
		CH 44	5220	13.63	15.50	12.00	
		CH 48	5240	13.32	15.00	12.00	
	802.11n-HT40 MCS0	CH 38	5190	12.06	14.00	12.00	77.63
		CH 46	5230	12.01	14.00	12.00	
		CH 36	5180	13.68	15.50	12.00	
	802.11ac-VHT20 MCS0	CH 44	5220	13.88	15.50	12.00	86.76
		CH 48	5240	13.33	15.00	12.00	
		CH 38	5190	12.71	14.50	10.00	
	802.11ac-VHT40 MCS0	CH 46	5230	12.68	14.50	10.00	76.62
		CH 42	5210	12.45	14.00	12.00	
	802.11ac-VHT80 MCS0	CH 42	5210	12.45	14.00	12.00	63.83

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 1	802.11a 6Mbps	CH 52	5280	13.09	15.00	11.00	88.54
		CH 60	5300	13.48	15.00	11.00	
		CH 64	5320	12.67	14.50	11.00	
	802.11n-HT20 MCS0	CH 52	5280	12.46	14.00	11.00	87.31
		CH 60	5300	12.85	14.50	11.00	
		CH 64	5320	12.05	14.00	11.00	
	802.11n-HT40 MCS0	CH 54	5270	11.16	13.00	11.00	77.63
		CH 62	5310	11.62	13.50	11.00	
		CH 52	5280	12.44	14.00	11.00	
	802.11ac-VHT20 MCS0	CH 60	5300	12.90	14.50	11.00	87.41
		CH 64	5320	12.04	14.00	11.00	
		CH 54	5270	11.87	13.50	9.00	
	802.11ac-VHT40 MCS0	CH 62	5310	11.91	13.50	9.00	76.62
		CH 58	5290	11.53	13.50	11.00	
	802.11ac-VHT80 MCS0	CH 58	5290	11.53	13.50	11.00	63.04

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 1	802.11a 6Mbps	CH 100	5500	11.51	13.50	10.00	89.10
		CH 116	5580	11.86	13.50	10.00	
		CH 140	5700	12.12	14.00	10.00	
	802.11n-HT20 MCS0	CH 100	5500	10.92	12.50	10.00	86.76
		CH 116	5580	11.26	13.00	10.00	
		CH 140	5700	11.50	13.50	10.00	
	802.11n-HT40 MCS0	CH 102	5510	9.68	11.50	10.00	77.63
		CH 110	5550	9.57	11.50	10.00	
		CH 134	5670	9.83	11.50	10.00	
	802.11ac-VHT20 MCS0	CH 100	5500	10.90	12.50	10.00	87.41
		CH 116	5580	11.21	13.00	10.00	
		CH 140	5700	11.52	13.50	10.00	
	802.11ac-VHT40 MCS0	CH 102	5510	10.15	12.00	8.00	77.63
		CH 110	5550	10.12	12.00	8.00	
		CH 134	5670	10.44	12.00	8.00	
	802.11ac-VHT80 MCS0	CH 106	5530	9.61	11.50	10.00	63.83
		CH 138	5690	10.25	12.00	10.00	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	13.32	15.00	12.00	88.54
		CH 157	5785	13.26	15.00	12.00	
		CH 165	5825	13.48	15.00	12.00	
	802.11n-HT20 MCS0	CH 149	5745	12.67	14.50	12.00	87.31
		CH 157	5785	12.34	14.00	12.00	
		CH 165	5825	12.37	14.00	12.00	
	802.11n-HT40 MCS0	CH 151	5755	11.50	13.50	12.00	77.63
		CH 159	5795	11.82	13.50	12.00	
		CH 149	5745	12.63	14.50	12.00	
	802.11ac-VHT20 MCS0	CH 157	5785	12.29	14.00	12.00	86.76
		CH 165	5825	12.79	14.50	12.00	
		CH 151	5755	12.05	14.00	10.00	
	802.11ac-VHT40 MCS0	CH 159	5795	12.29	14.00	10.00	77.63
		CH 155	5775	11.52	13.50	12.00	
	802.11ac-VHT80 MCS0	CH 155	5775	11.52	13.50	12.00	62.90

Reduced Power Level 4

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)
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	21.10	21.14	21.08	21.50	19.83	20.01	19.79	20.50
3GPP Rel 5	HSDPA Subtest-1	19.83	20.00	19.98	21.00	18.48	18.62	18.53	19.50
3GPP Rel 5	HSDPA Subtest-2	19.76	19.93	20.07	21.00	18.62	18.68	18.52	19.50
3GPP Rel 5	HSDPA Subtest-3	19.41	19.45	19.62	20.50	18.63	18.66	18.51	19.50
3GPP Rel 5	HSDPA Subtest-4	19.44	19.50	19.59	20.50	18.67	18.70	18.56	19.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.31	20.42	20.42	21.00	19.41	19.58	19.44	20.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.39	20.49	20.45	21.00	19.44	19.59	19.50	20.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.42	20.50	20.47	21.00	19.46	19.59	19.51	20.00
3GPP Rel 8	DC-HSDPA Subtest-4	20.44	20.52	20.49	21.00	19.45	19.58	19.50	20.00
3GPP Rel 6	HSUPA Subtest-1	20.43	20.51	20.45	21.00	19.51	19.68	19.53	20.00
3GPP Rel 6	HSUPA Subtest-2	20.40	20.49	20.47	21.00	19.47	19.65	19.49	20.00
3GPP Rel 6	HSUPA Subtest-3	20.46	20.48	20.49	21.00	19.48	19.64	19.51	20.00
3GPP Rel 6	HSUPA Subtest-4	20.42	20.44	20.40	21.00	19.45	19.62	19.47	20.00
3GPP Rel 6	HSUPA Subtest-5	20.51	20.48	20.46	21.00	19.50	19.67	19.53	20.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.43	20.49	20.47	21.00	19.48	19.61	19.53	20.00
Attenuator			Cable Loss				Cable Loss		
Mode			Max.	21.14			Max.	20.01	
Date		3/18				3/18			

Band 2 (1900MHz Band) (dBm) Part 24E								
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	19.82	20.02	19.76	21	
20	QPSK	1	49	19.80	19.84	19.77		
20	QPSK	1	99	19.74	19.81	19.78		
20	QPSK	50	0	19.37	19.30	19.33		
20	QPSK	50	24	19.32	19.26	19.24	20	
20	QPSK	50	50	19.29	19.32	19.25		
20	QPSK	100	0	19.32	19.33	19.22		
20	16QAM	1	0	18.99	18.90	18.73		
20	16QAM	1	49	18.87	18.96	18.91	20	
20	16QAM	1	99	18.97	18.74	19.01		
20	16QAM	50	0	17.28	17.23	17.27		
20	16QAM	50	24	17.49	17.34	17.33		
20	16QAM	50	50	17.36	17.39	17.41	19	
20	16QAM	100	0	17.34	17.36	17.32		
Channel				18675	18900	19125	Tune-up limit (dBm)	
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.77	19.93	19.69	21	
15	QPSK	1	37	19.68	19.83	19.69		
15	QPSK	1	74	19.65	19.74	19.73		
15	QPSK	36	0	19.31	19.26	19.26		
15	QPSK	36	20	19.20	19.16	19.21	20	
15	QPSK	36	39	19.19	19.23	19.18		
15	QPSK	75	0	19.30	19.25	19.15		
15	16QAM	1	0	18.91	18.78	18.72		
15	16QAM	1	37	18.75	18.95	18.88	20	
15	16QAM	1	74	18.93	18.73	18.94		
15	16QAM	36	0	17.26	17.19	17.23		
15	16QAM	36	20	17.37	17.28	17.23		
15	16QAM	36	39	17.28	17.34	17.31	19	
15	16QAM	75	0	17.27	17.28	17.31		
Channel				18650	18900	19150	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.67	19.83	19.61	21	
10	QPSK	1	25	19.56	19.74	19.62		
10	QPSK	1	49	19.63	19.69	19.71		
10	QPSK	25	0	19.26	19.15	19.19		
10	QPSK	25	12	19.18	19.14	19.12	20	
10	QPSK	25	25	19.13	19.17	19.09		
10	QPSK	50	0	19.29	19.24	19.04		
10	16QAM	1	0	18.90	18.77	18.64		
10	16QAM	1	25	18.72	18.90	18.84	20	
10	16QAM	1	49	18.84	18.62	18.82		
10	16QAM	25	0	17.17	17.18	17.17		
10	16QAM	25	12	17.36	17.21	17.14		
10	16QAM	25	25	17.23	17.33	17.23	19	
10	16QAM	50	0	17.26	17.24	17.25		
Channel				18625	18900	19175	Tune-up limit (dBm)	
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.44	19.64	19.44	21	
5	QPSK	1	12	19.47	19.59	19.54		
5	QPSK	1	24	19.43	19.62	19.50		
5	QPSK	12	0	19.16	19.06	19.17		
5	QPSK	12	7	19.04	18.96	19.03	20	
5	QPSK	12	13	18.94	19.13	18.86		
5	QPSK	25	0	19.16	19.20	18.92		
5	16QAM	1	0	18.74	18.62	18.49		
5	16QAM	1	12	18.67	18.86	18.76	20	
5	16QAM	1	24	18.65	18.42	18.65		
5	16QAM	12	0	17.10	17.07	17.04		
5	16QAM	12	7	17.23	17.14	17.00		
5	16QAM	12	13	17.01	17.27	17.01	19	
5	16QAM	25	0	17.17	17.16	17.14		
Channel				18615	18900	19185	Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.71	19.80	19.66	21	
3	QPSK	1	8	19.69	19.74	19.66		
3	QPSK	1	14	19.64	19.72	19.68		
3	QPSK	8	0	19.27	19.20	19.23		
3	QPSK	8	4	19.21	19.15	19.14	20	
3	QPSK	8	7	19.18	19.22	19.14		
3	QPSK	15	0	19.21	19.24	19.11		
3	16QAM	1	0	18.89	18.80	18.62		
3	16QAM	1	8	18.76	18.85	18.80	20	
3	16QAM	1	14	18.86	18.64	18.90		
3	16QAM	8	0	17.18	17.12	17.17		
3	16QAM	8	4	17.40	17.25	17.22		
3	16QAM	8	7	17.25	17.28	17.30	19	
3	16QAM	15	0	17.25	17.26	17.23		
Channel				18607	18900	19193	Tune-up limit (dBm)	
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.66	19.73	19.61	21	
1.4	QPSK	1	3	19.63	19.67	19.60		
1.4	QPSK	1	5	19.58	19.65	19.61		
1.4	QPSK	3	0	19.21	19.14	19.17		
1.4	QPSK	3	1	19.16	19.11	19.09	20	
1.4	QPSK	3	3	19.14	19.17	19.08		
1.4	QPSK	6	0	19.15	19.17	19.07		
1.4	16QAM	1	0	18.82	18.73	18.57		
1.4	16QAM	1	3	18.71	18.79	18.74	20	
1.4	16QAM	1	5	18.80	18.59	18.84		
1.4	16QAM	3	0	17.12	17.07	17.11		
1.4	16QAM	3	1	17.32	17.19	17.16		
1.4	16QAM	3	3	17.21	17.24	17.24	19	
1.4	16QAM	6	0	17.19	17.19	17.16		

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)								
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	20.46	20.46	20.40	21.5	
20	QPSK	1	49	20.37	20.37	20.36		
20	QPSK	1	99	20.30	20.31	20.32		
20	QPSK	50	0	19.87	19.88	19.79		
20	QPSK	50	24	19.79	19.81	19.81	20.5	
20	QPSK	50	50	19.78	19.82	19.89		
20	QPSK	100	0	19.77	19.82	19.77		
20	16QAM	1	0	19.47	19.70	19.76		
20	16QAM	1	49	19.70	19.79	19.64	20.5	
20	16QAM	1	99	19.80	19.82	19.89		
20	16QAM	50	0	18.25	18.19	18.24		
20	16QAM	50	24	18.28	18.20	18.21		
20	16QAM	50	50	18.32	18.20	18.19	19.5	
20	16QAM	100	0	18.24	18.26	18.22		
Channel				20025	20175	20325	Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.39	20.40	20.32	21.5	
15	QPSK	1	37	20.28	20.30	20.22		
15	QPSK	1	74	20.29	20.23	20.24		
15	QPSK	36	0	19.83	19.83	19.69		
15	QPSK	36	20	19.76	19.82	19.80	20.5	
15	QPSK	36	39	19.72	19.73	19.83		
15	QPSK	75	0	19.73	19.79	19.74		
15	16QAM	1	0	19.40	19.68	19.72		
15	16QAM	1	37	19.73	19.72	19.57	20.5	
15	16QAM	1	74	19.78	19.73	19.88		
15	16QAM	36	0	18.22	18.14	18.20		
15	16QAM	36	20	18.26	18.12	18.15		
15	16QAM	36	39	18.29	18.17	18.16	19.5	
15	16QAM	75	0	18.18	18.21	18.20		
Channel				20000	20175	20350	Tune-up limit (dBm)	
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.32	20.36	20.28	21.5	
10	QPSK	1	25	20.22	20.26	20.18		
10	QPSK	1	49	20.26	20.21	20.15		
10	QPSK	25	0	19.77	19.77	19.66		
10	QPSK	25	12	19.73	19.77	19.74	20.5	
10	QPSK	25	25	19.68	19.70	19.76		
10	QPSK	50	0	19.63	19.73	19.65		
10	16QAM	1	0	19.36	19.60	19.70		
10	16QAM	1	25	19.72	19.66	19.56	20.5	
10	16QAM	1	49	19.72	19.72	19.83		
10	16QAM	25	0	18.16	18.10	18.17		
10	16QAM	25	12	18.24	18.03	18.05		
10	16QAM	25	25	18.28	18.13	18.15	19.5	
10	16QAM	50	0	18.11	18.11	18.15		
Channel				19975	20175	20375	Tune-up limit (dBm)	
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.24	20.19	20.27	21.5	
5	QPSK	1	12	20.12	20.24	20.09		

Band 7 (2600MHz Band) (dBm) Part 27							
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	17.97	18.03	17.90	19.2
20	QPSK	1	49	17.91	17.98	17.99	
20	QPSK	1	99	17.98	17.97	17.98	
20	QPSK	50	0	17.39	17.50	17.45	18.2
20	QPSK	50	24	17.47	17.43	17.43	
20	QPSK	50	50	17.44	17.44	17.45	
20	QPSK	100	0	17.40	17.43	17.38	18.2
20	16QAM	1	0	17.35	17.31	17.34	
20	16QAM	1	49	17.39	17.43	17.36	
20	16QAM	1	99	17.44	17.50	17.42	17.2
20	16QAM	50	0	16.33	16.48	16.55	
20	16QAM	50	24	16.39	16.41	16.33	
20	16QAM	50	50	16.42	16.44	16.31	17.2
20	16QAM	100	0	16.39	16.37	16.51	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	17.86	18.05	17.93	19.2
15	QPSK	1	37	17.83	17.92	17.96	
15	QPSK	1	74	17.90	17.92	17.96	
15	QPSK	36	0	17.34	17.42	17.35	18.2
15	QPSK	36	20	17.46	17.32	17.36	
15	QPSK	36	39	17.41	17.33	17.36	
15	QPSK	75	0	17.38	17.32	17.33	18.2
15	16QAM	1	0	17.28	17.28	17.31	
15	16QAM	1	37	17.29	17.37	17.29	
15	16QAM	1	74	17.41	17.38	17.34	17.2
15	16QAM	36	0	16.31	16.40	16.50	
15	16QAM	36	20	16.30	16.29	16.26	
15	16QAM	36	39	16.40	16.33	16.21	17.2
15	16QAM	75	0	16.31	16.26	16.46	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	17.85	17.94	17.87	19.2
10	QPSK	1	25	17.75	17.80	17.86	
10	QPSK	1	49	17.82	17.84	17.92	
10	QPSK	25	0	17.31	17.41	17.30	18.2
10	QPSK	25	12	17.38	17.27	17.33	
10	QPSK	25	25	17.32	17.22	17.32	
10	QPSK	50	0	17.34	17.29	17.31	18.2
10	16QAM	1	0	17.18	17.17	17.24	
10	16QAM	1	25	17.17	17.36	17.28	
10	16QAM	1	49	17.30	17.27	17.29	17.2
10	16QAM	25	0	16.25	16.29	16.46	
10	16QAM	25	12	16.22	16.26	16.25	
10	16QAM	25	25	16.36	16.27	16.20	17.2
10	16QAM	50	0	16.26	16.20	16.43	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	17.80	17.87	17.77	19.2
5	QPSK	1	12	17.74	17.78	17.74	
5	QPSK	1	24	17.70	17.72	17.89	
5	QPSK	12	0	17.22	17.29	17.21	18.2
5	QPSK	12	7	17.34	17.26	17.27	
5	QPSK	12	13	17.31	17.12	17.30	
5	QPSK	25	0	17.24	17.23	17.19	18.2
5	16QAM	1	0	17.12	17.12	17.21	
5	16QAM	1	12	17.14	17.31	17.23	
5	16QAM	1	24	17.21	17.25	17.22	17.2
5	16QAM	12	0	16.15	16.27	16.34	
5	16QAM	12	7	16.20	16.20	16.14	
5	16QAM	12	13	16.27	16.23	16.13	17.2
5	16QAM	25	0	16.14	16.15	16.41	

Band 38(only on channel required) (dBm)							
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	22.20	22.32	22.28	
20	QPSK	1	49	22.18	22.17	22.18	23.3
20	QPSK	1	99	21.97	22.07	22.13	
20	QPSK	50	0	21.33	21.37	21.24	
20	QPSK	50	24	21.25	21.19	21.24	22.3
20	QPSK	50	50	21.20	21.19	21.18	
20	QPSK	100	0	21.24	21.18	21.30	
20	16QAM	1	0	21.40	21.46	21.22	22.3
20	16QAM	1	49	21.13	21.28	21.22	
20	16QAM	1	99	21.18	21.14	21.33	
20	16QAM	50	0	20.24	20.22	20.39	21.3
20	16QAM	50	24	20.14	20.29	20.27	
20	16QAM	50	50	20.27	20.31	20.30	
20	16QAM	100	0	20.33	20.25	20.28	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.14	22.20	22.20	23.3
15	QPSK	1	37	22.06	22.13	22.17	
15	QPSK	1	74	21.85	22.06	22.06	
15	QPSK	36	0	21.25	21.33	21.12	22.3
15	QPSK	36	20	21.22	21.09	21.21	
15	QPSK	36	39	21.09	21.18	21.07	
15	QPSK	75	0	21.21	21.11	21.22	22.3
15	16QAM	1	0	21.36	21.40	21.18	
15	16QAM	1	37	21.07	21.22	21.21	
15	16QAM	1	74	21.17	21.08	21.25	21.3
15	16QAM	36	0	20.16	20.11	20.32	
15	16QAM	36	20	20.10	20.23	20.21	
15	16QAM	36	39	20.16	20.30	20.20	
15	16QAM	75	0	20.25	20.24	20.26	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.03	22.12	22.11	23.3
10	QPSK	1	25	22.00	22.07	22.09	
10	QPSK	1	49	21.82	22.04	22.01	
10	QPSK	25	0	21.14	21.23	21.11	22.3
10	QPSK	25	12	21.11	21.06	21.16	
10	QPSK	25	25	20.97	21.17	21.06	
10	QPSK	50	0	21.12	21.02	21.19	22.3
10	16QAM	1	0	21.34	21.33	21.11	
10	16QAM	1	25	21.01	21.14	21.12	
10	16QAM	1	49	21.06	21.03	21.16	21.3
10	16QAM	25	0	20.07	20.04	20.30	
10	16QAM	25	12	20.02	20.19	20.19	
10	16QAM	25	25	20.05	20.23	20.12	
10	16QAM	50	0	20.23	20.18	20.25	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	21.91	22.00	22.05	23.3
5	QPSK	1	12	21.93	21.97	22.06	
5	QPSK	1	24	21.70	22.01	21.91	
5	QPSK	12	0	21.11	21.13	21.06	22.3
5	QPSK	12	7	21.08	20.98	21.14	
5	QPSK	12	13	20.88	21.12	21.04	
5	QPSK	25	0	21.08	20.90	21.13	22.3
5	16QAM	1	0	21.24	21.23	20.99	
5	16QAM	1	12	20.96	21.10	21.06	
5	16QAM	1	24	21.02	20.95	21.13	21.3
5	16QAM	12	0	20.02	19.93	20.26	
5	16QAM	12	7	19.92	20.12	20.17	
5	16QAM	12	13	19.96	20.19	20.02	
5	16QAM	25	0	20.12	20.15	20.14	

Band 41 (2535~2655MHz) (dBm)									
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	22.25	22.27	22.37	22.19	22.30	23.3
20	QPSK	1	49	21.80	21.74	21.80	21.62	21.73	
20	QPSK	1	99	21.53	21.45	21.45	21.37	21.44	
20	QPSK	50	0	21.15	21.25	20.95	21.42	21.19	22.3
20	QPSK	50	24	21.41	21.15	21.09	21.13	21.16	
20	QPSK	50	50	21.40	21.07	20.96	21.15	21.05	
20	QPSK	100	0	21.49	21.10	21.06	21.22	21.11	22.3
20	16QAM	1	0	21.26	21.19	21.30	21.39	21.37	
20	16QAM	1	49	21.42	21.42	21.22	21.34	21.40	
20	16QAM	1	99	21.32	21.31	21.24	21.31	21.36	21.3
20	16QAM	50	0	20.19	20.23	20.09	20.34	20.18	
20	16QAM	50	24	20.46	20.26	20.08	20.22	20.19	
20	16QAM	50	50	20.42	20.20	20.04	20.18	20.18	21.3
20	16QAM	100	0	20.34	20.37	20.19	20.32	20.27	
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	22.18	22.08	22.26	21.99	22.21	23.3
15	QPSK	1	37	21.75	21.65	21.70	21.57	21.66	
15	QPSK	1	74	21.47	21.35	21.37	21.32	21.43	
15	QPSK	36	0	21.04	21.15	20.94	21.35	21.18	22.3
15	QPSK	36	20	21.29	21.11	20.98	21.05	21.04	
15	QPSK	36	39	21.32	20.98	20.84	21.09	20.95	
15	QPSK	75	0	21.42	21.06	21.05	21.13	21.00	22.3
15	16QAM	1	0	21.24	21.35	21.23	21.31	21.31	
15	16QAM	1	37	21.31	21.36	21.14	21.28	21.37	
15	16QAM	1	74	21.23	21.22	21.18	21.21	21.34	21.3
15	16QAM	36	0	20.41	20.20	20.07	20.27	20.12	
15	16QAM	36	20	20.37	20.24	19.97	20.20	20.09	
15	16QAM	36	39	20.32	20.12	19.94	20.10	20.17	21.3
15	16QAM	75	0	20.29	20.36	20.14	20.21	20.24	
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	22.17	21.97	22.17	21.91	22.18	23.3
10	QPSK	1	25	21.72	21.56	21.59	21.54	21.56	
10	QPSK	1	49	21.43	21.25	21.36	21.31	21.33	
10	QPSK	25	0	20.95	21.10	20.93	21.32	21.17	22.3
10	QPSK	25	12	21.19	21.04	20.96	21.03	20.93	
10	QPSK	25	25	21.22	20.90	20.78	21.05	20.87	
10	QPSK	50	0	21.30	21.03	20.95	21.08	20.97	22.3
10	16QAM	1	0	21.31	21.32	21.12	21.21	21.22	
10	16QAM	1	25	21.20	21.29	21.06	21.27	21.27	
10	16QAM	1	49	21.22	21.21	21.10	21.14	21.31	21.3
10	16QAM	25	0	20.35	20.13	19.99	20.26	20.09	
10	16QAM	25	12	20.28	20.17	19.93	20.10	20.07	
10	16QAM	25	25	20.22	20.06	19.86	19.99	20.05	21.3
10	16QAM	50	0	20.24	20.32	20.04	20.09	20.23	
Channel				40065	40353	40640	40928	41215	Tune-up limit (dBm)
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	22.10	21.92	22.07	21.82	22.13	23.3
5	QPSK	1	12	21.71	21.55	21.56	21.45	21.46	
5	QPSK	1	24	21.36	21.17	21.29	21.24	21.32	
5	QPSK	12	0	20.91	21.03	20.82	21.27	21.09	22.3
5	QPSK	12	7	21.08	20.97	20.89	20.97	20.88	
5	QPSK	12	13	21.21	20.81	20.69	20.95	20.81	
5	QPSK	25	0	21.23	20.94	20.94	21.02	20.91	22.3
5	16QAM	1	0	21.20	21.22	21.02	21.20	21.17	
5	16QAM	1	12	21.19	21.25	21.01	21.23	21.18	
5	16QAM	1	24	21.15	21.15	20.99	21.08	21.28	21.3
5	16QAM	12	0	20.31	20.05	19.90	20.18	20.05	
5	16QAM	12	7	20.20	20.05	19.86	20.02	20.05	
5	16QAM	12	13	20.10	19.95	19.84	19.94	20.03	21.3
5	16QAM	25	0	20.14	20.21	20.00	20.02	20.20	

Band 66 (dBm)							
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	21.51	21.58	21.46	22
20	QPSK	1	49	21.26	21.32	21.28	
20	QPSK	1	99	21.24	21.39	21.41	
20	QPSK	50	0	20.46	20.57	20.49	21
20	QPSK	50	24	20.44	20.36	20.43	
20	QPSK	50	50	20.47	20.43	20.41	
20	QPSK	100	0	20.40	20.37	20.41	21
20	16QAM	1	0	20.70	20.63	20.53	
20	16QAM	1	49	20.43	20.45	20.43	
20	16QAM	1	99	20.40	20.45	20.54	20
20	16QAM	50	0	19.45	19.49	19.55	
20	16QAM	50	24	19.43	19.47	19.43	
20	16QAM	50	50	19.50	19.49	19.48	20
20	16QAM	100	0	19.53	19.53	19.48	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	21.50	21.49	21.44	22
15	QPSK	1	37	21.23	21.23	21.25	
15	QPSK	1	74	21.22	21.30	21.32	
15	QPSK	36	0	20.36	20.45	20.44	21
15	QPSK	36	20	20.39	20.34	20.39	
15	QPSK	36	39	20.40	20.33	20.39	
15	QPSK	75	0	20.32	20.25	20.40	21
15	16QAM	1	0	20.66	20.61	20.47	
15	16QAM	1	37	20.41	20.38	20.35	
15	16QAM	1	74	20.29	20.35	20.49	20
15	16QAM	36	0	19.41	19.43	19.45	
15	16QAM	36	20	19.34	19.42	19.34	
15	16QAM	36	39	19.45	19.46	19.42	
15	16QAM	75	0	19.41	19.49	19.41	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.38	21.42	21.34	22
10	QPSK	1	25	21.19	21.14	21.17	
10	QPSK	1	49	21.12	21.22	21.23	
10	QPSK	25	0	20.24	20.44	20.32	21
10	QPSK	25	12	20.38	20.23	20.31	
10	QPSK	25	25	20.35	20.25	20.31	
10	QPSK	50	0	20.24	20.19	20.34	21
10	16QAM	1	0	20.65	20.51	20.43	
10	16QAM	1	25	20.30	20.30	20.34	
10	16QAM	1	49	20.22	20.29	20.47	20
10	16QAM	25	0	19.31	19.37	19.41	
10	16QAM	25	12	19.33	19.41	19.33	
10	16QAM	25	25	19.40	19.35	19.41	
10	16QAM	50	0	19.36	19.48	19.35	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.33	21.37	21.32	22
5	QPSK	1	12	21.12	21.07	21.07	
5	QPSK	1	24	21.11	21.16	21.13	
5	QPSK	12	0	20.16	20.39	20.23	21
5	QPSK	12	7	20.27	20.14	20.30	
5	QPSK	12	13	20.27	20.17	20.24	
5	QPSK	25	0	20.12	20.08	20.32	21
5	16QAM	1	0	20.58	20.42	20.40	
5	16QAM	1	12	20.29	20.26	20.26	
5	16QAM	1	24	20.15	20.19	20.39	20
5	16QAM	12	0	19.20	19.30	19.30	
5	16QAM	12	7	19.30	19.31	19.32	
5	16QAM	12	13	19.38	19.32	19.38	
5	16QAM	25	0	19.24	19.42	19.25	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.25	21.28	21.25	22
3	QPSK	1	8	21.05	21.02	20.95	
3	QPSK	1	14	21.00	21.14	21.11	
3	QPSK	8	0	20.08	20.36	20.21	21
3	QPSK	8	4	20.21	20.12	20.19	
3	QPSK	8	7	20.26	20.06	20.22	
3	QPSK	15	0	20.06	20.03	20.27	21
3	16QAM	1	0	20.54	20.33	20.36	
3	16QAM	1	8	20.19	20.24	20.16	
3	16QAM	1	14	20.05	20.12	20.37	20
3	16QAM	8	0	19.17	19.18	19.27	
3	16QAM	8	4	19.27	19.28	19.30	
3	16QAM	8	7	19.28	19.24	19.33	
3	16QAM	15	0	19.13	19.34	19.19	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.14	21.20	21.22	22
1.4	QPSK	1	3	20.95	20.94	20.84	
1.4	QPSK	1	5	20.95	21.07	21.06	
1.4	QPSK	3	0	20.82	21.01	20.85	
1.4	QPSK	3	1	20.92	20.78	20.85	
1.4	QPSK	3	3	20.93	20.75	20.87	21
1.4	QPSK	6	0	19.97	20.02	20.19	
1.4	16QAM	1	0	20.44	20.21	20.30	21
1.4	16QAM	1	3	20.16	20.19	20.06	
1.4	16QAM	1	5	20.20	20.06	20.34	
1.4	16QAM	3	0	19.84	19.82	19.93	
1.4	16QAM	3	1	19.97	19.95	20.04	
1.4	16QAM	3	3	19.94	19.91	19.97	
1.4	16QAM	6	0	19.06	19.31	19.07	20

Reduced Power Level 5

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)							
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	20.96	20.96	20.90	22
20	QPSK	1	49	20.87	20.87	20.86	
20	QPSK	1	99	20.80	20.81	20.82	
20	QPSK	50	0	20.37	20.38	20.29	
20	QPSK	50	24	20.29	20.31	20.31	21
20	QPSK	50	50	20.28	20.32	20.39	
20	QPSK	100	0	20.27	20.32	20.27	
20	16QAM	1	0	19.97	20.20	20.26	
20	16QAM	1	49	20.20	20.29	20.14	21
20	16QAM	1	99	20.30	20.32	20.39	
20	16QAM	50	0	18.75	18.69	18.74	
20	16QAM	50	24	18.78	18.70	18.71	
20	16QAM	50	50	18.82	18.70	18.69	20
20	16QAM	100	0	18.74	18.76	18.72	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	20.89	20.90	20.82	22
15	QPSK	1	37	20.78	20.80	20.72	
15	QPSK	1	74	20.79	20.73	20.74	
15	QPSK	36	0	20.33	20.33	20.19	
15	QPSK	36	20	20.26	20.32	20.30	21
15	QPSK	36	39	20.22	20.23	20.33	
15	QPSK	75	0	20.23	20.29	20.24	
15	16QAM	1	0	19.90	20.18	20.22	
15	16QAM	1	37	20.23	20.22	20.07	21
15	16QAM	1	74	20.28	20.23	20.38	
15	16QAM	36	0	18.72	18.64	18.70	
15	16QAM	36	20	18.76	18.62	18.65	
15	16QAM	36	39	18.79	18.67	18.66	20
15	16QAM	75	0	18.68	18.71	18.70	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	20.82	20.86	20.78	22
10	QPSK	1	25	20.72	20.76	20.68	
10	QPSK	1	49	20.76	20.71	20.65	
10	QPSK	25	0	20.27	20.27	20.16	
10	QPSK	25	12	20.23	20.27	20.24	21
10	QPSK	25	25	20.18	20.20	20.26	
10	QPSK	50	0	20.13	20.23	20.15	
10	16QAM	1	0	19.86	20.10	20.20	
10	16QAM	1	25	20.22	20.16	20.06	21
10	16QAM	1	49	20.22	20.22	20.33	
10	16QAM	25	0	18.66	18.60	18.67	
10	16QAM	25	12	18.74	18.53	18.55	
10	16QAM	25	25	18.78	18.63	18.65	20
10	16QAM	50	0	18.61	18.61	18.65	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	20.74	20.69	20.77	22
5	QPSK	1	12	20.62	20.74	20.59	
5	QPSK	1	24	20.68	20.64	20.56	
5	QPSK	12	0	20.26	20.24	20.09	
5	QPSK	12	7	20.18	20.24	20.18	21
5	QPSK	12	13	20.15	20.10	20.25	
5	QPSK	25	0	20.06	20.16	20.10	
5	16QAM	1	0	19.79	20.09	20.12	
5	16QAM	1	12	20.20	20.13	19.96	21
5	16QAM	1	24	20.15	20.19	20.27	
5	16QAM	12	0	18.64	18.57	18.59	
5	16QAM	12	7	18.64	18.50	18.46	
5	16QAM	12	13	18.75	18.55	18.59	20
5	16QAM	25	0	18.56	18.51	18.62	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	20.66	20.58	20.67	22
3	QPSK	1	8	20.53	20.66	20.51	
3	QPSK	1	14	20.56	20.61	20.47	
3	QPSK	8	0	20.22	20.13	20.06	
3	QPSK	8	4	20.15	20.15	20.08	21
3	QPSK	8	7	20.08	20.07	20.13	
3	QPSK	15	0	19.98	20.13	20.02	
3	16QAM	1	0	19.70	20.04	20.06	
3	16QAM	1	8	20.16	20.11	19.86	21
3	16QAM	1	14	20.06	20.15	20.15	
3	16QAM	8	0	18.61	18.51	18.55	
3	16QAM	8	4	18.54	18.40	18.41	
3	16QAM	8	7	18.73	18.51	18.54	20
3	16QAM	15	0	18.49	18.47	18.52	
Channel				19967	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	20.58	20.52	20.57	22
1.4	QPSK	1	3	20.44	20.59	20.41	
1.4	QPSK	1	5	20.55	20.53	20.44	
1.4	QPSK	3	0	20.13	20.08	20.05	
1.4	QPSK	3	1	20.10	20.06	20.07	21
1.4	QPSK	3	3	20.03	20.00	20.08	
1.4	QPSK	6	0	19.93	20.04	19.98	
1.4	16QAM	1	0	19.80	19.94	19.96	
1.4	16QAM	1	3	20.15	20.03	19.78	21
1.4	16QAM	1	5	20.05	20.11	20.06	
1.4	16QAM	3	0	19.72	19.64	19.69	
1.4	16QAM	3	1	19.69	19.58	19.58	
1.4	16QAM	3	3	19.89	19.70	19.64	20
1.4	16QAM	6	0	18.48	18.46	18.50	

Band 66 (dBm)							
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	22.01	22.08	21.96	22.5
20	QPSK	1	49	21.76	21.82	21.78	
20	QPSK	1	99	21.74	21.89	21.91	
20	QPSK	50	0	20.96	21.07	20.99	
20	QPSK	50	24	20.94	20.86	20.93	21.5
20	QPSK	50	50	20.97	20.93	20.91	
20	QPSK	100	0	20.90	20.87	20.91	
20	16QAM	1	0	21.20	21.13	21.03	
20	16QAM	1	49	20.93	20.95	20.93	21.5
20	16QAM	1	99	20.90	20.95	21.04	
20	16QAM	50	0	19.95	19.99	20.05	
20	16QAM	50	24	19.93	19.97	19.93	
20	16QAM	50	50	20.00	19.99	19.98	20.5
20	16QAM	100	0	20.03	20.03	19.98	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.00	21.99	21.94	22.5
15	QPSK	1	37	21.73	21.73	21.75	
15	QPSK	1	74	21.72	21.80	21.82	
15	QPSK	36	0	20.86	20.95	20.94	
15	QPSK	36	20	20.89	20.84	20.89	21.5
15	QPSK	36	39	20.90	20.83	20.89	
15	QPSK	75	0	20.82	20.75	20.90	
15	16QAM	1	0	21.16	21.11	20.97	
15	16QAM	1	37	20.91	20.88	20.85	21.5
15	16QAM	1	74	20.79	20.85	20.99	
15	16QAM	36	0	19.91	19.93	19.95	
15	16QAM	36	20	19.84	19.92	19.84	
15	16QAM	36	39	19.95	19.96	19.92	20.5
15	16QAM	75	0	19.91	19.99	19.91	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	21.88	21.92	21.84	22.5
10	QPSK	1	25	21.69	21.64	21.67	
10	QPSK	1	49	21.62	21.72	21.73	
10	QPSK	25	0	20.74	20.94	20.82	
10	QPSK	25	12	20.88	20.73	20.81	21.5
10	QPSK	25	25	20.85	20.75	20.81	
10	QPSK	50	0	20.74	20.69	20.84	
10	16QAM	1	0	21.15	21.01	20.93	
10	16QAM	1	25	20.80	20.80	20.84	21.5
10	16QAM	1	49	20.72	20.79	20.97	
10	16QAM	25	0	19.81	19.87	19.91	
10	16QAM	25	12	19.83	19.91	19.83	
10	16QAM	25	25	19.90	19.85	19.91	20.5
10	16QAM	50	0	19.86	19.98	19.85	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	21.83	21.87	21.82	22.5
5	QPSK	1	12	21.62	21.57	21.57	
5	QPSK	1	24	21.61	21.66	21.63	
5	QPSK	12	0	20.66	20.89	20.73	
5	QPSK	12	7	20.77	20.64	20.80	21.5
5	QPSK	12	13	20.77	20.67	20.74	
5	QPSK	25	0	20.62	20.58	20.82	
5	16QAM	1	0	21.08	20.92	20.90	
5	16QAM	1	12	20.79	20.76	20.76	21.5
5	16QAM	1	24	20.65	20.69	20.89	
5	16QAM	12	0	19.70	19.80	19.80	
5	16QAM	12	7	19.80	19.81	19.82	
5	16QAM	12	13	19.88	19.82	19.88	20.5
5	16QAM	25	0	19.74	19.92	19.75	
Channel				131967	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	21.75	21.78	21.75	22.5
3	QPSK	1	8	21.55	21.52	21.45	
3	QPSK	1	14	21.50	21.64	21.61	
3	QPSK	8	0	20.58	20.86	20.71	
3	QPSK	8	4	20.71	20.62	20.69	21.5
3	QPSK	8	7	20.76	20.56	20.72	
3	QPSK	15	0	20.56	20.53	20.77	
3	16QAM	1	0	21.04	20.83	20.86	
3	16QAM	1	8	20.69	20.74	20.66	21.5
3	16QAM	1	14	20.55	20.62	20.87	
3	16QAM	8	0	19.67	19.68	19.77	
3	16QAM	8	4	19.77	19.78	19.80	
3	16QAM	8	7	19.78	19.74	19.83	20.5
3	16QAM	15	0	19.63	19.84	19.69	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	21.64	21.70	21.72	22.5
1.4	QPSK	1	3	21.45	21.44	21.34	
1.4	QPSK	1	5	21.45	21.57	21.56	
1.4	QPSK	3	0	21.32	21.51	21.35	
1.4	QPSK	3	1	21.42	21.28	21.35	21.5
1.4	QPSK	3	3	21.43	21.25	21.37	
1.4	QPSK	6	0	20.47	20.52	20.69	
1.4	16QAM	1	0	20.94	20.71	20.80	
1.4	16QAM	1	3	20.66	20.69	20.56	21.5
1.4	16QAM	1	5	20.70	20.56	20.84	
1.4	16QAM	3	0	20.34	20.32	20.43	
1.4	16QAM	3	1	20.47	20.45	20.54	
1.4	16QAM	3	3	20.44	20.41	20.47	20.5
1.4	16QAM	6	0	19.56	19.81	19.57	

Reduced Power Level 6

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	15.36	17.00	13.50	88.54
		CH 44	5220	15.75	17.50	13.50	
		CH 48	5240	15.47	17.00	13.50	
	802.11n-HT20 MCS0	CH 36	5180	15.15	17.00	13.50	86.76
		CH 44	5220	15.13	17.00	13.50	
		CH 48	5240	14.82	16.50	13.50	
	802.11n-HT40 MCS0	CH 38	5190	13.56	15.50	13.50	77.63
		CH 46	5230	13.51	15.50	13.50	
		CH 36	5180	15.18	17.00	13.50	
	802.11ac-VHT20 MCS0	CH 44	5220	15.18	17.00	13.50	86.76
		CH 48	5240	14.83	16.50	13.50	
		CH 38	5190	14.21	16.00	11.50	
	802.11ac-VHT40 MCS0	CH 46	5230	14.18	16.00	11.50	76.62
		CH 42	5210	13.95	15.50	13.50	
	802.11ac-VHT80 MCS0	CH 42	5210	13.95	15.50	13.50	63.83

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 1	802.11a 6Mbps	CH 52	5260	15.09	17.00	13.00	88.54
		CH 60	5300	15.48	17.00	13.00	
		CH 64	5320	14.67	16.50	13.00	
	802.11n-HT20 MCS0	CH 52	5260	14.46	16.00	13.00	87.31
		CH 60	5300	14.85	16.50	13.00	
		CH 64	5320	14.05	16.00	13.00	
	802.11n-HT40 MCS0	CH 54	5270	13.16	15.00	13.00	77.63
		CH 62	5310	13.62	15.50	13.00	
	802.11ac-VHT20 MCS0	CH 52	5260	14.44	16.00	13.00	87.41
		CH 60	5300	14.90	16.50	13.00	
		CH 64	5320	14.04	16.00	13.00	
	802.11ac-VHT40 MCS0	CH 54	5270	13.87	15.50	11.00	76.62
		CH 62	5310	13.91	15.50	11.00	
	802.11ac-VHT80 MCS0	CH 58	5290	13.53	15.50	13.00	63.04

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 1	802.11a 6Mbps	CH 100	5500	14.01	16.00	12.50	89.10
		CH 116	5580	14.36	16.00	12.50	
		CH 140	5700	14.62	16.50	12.50	
	802.11n-HT20 MCS0	CH 100	5500	13.42	15.00	12.50	86.76
		CH 116	5580	13.76	15.50	12.50	
		CH 140	5700	14.00	16.00	12.50	
	802.11n-HT40 MCS0	CH 102	5510	12.18	14.00	12.50	77.63
		CH 110	5550	12.07	14.00	12.50	
		CH 134	5670	12.33	14.00	12.50	
	802.11ac-VHT20 MCS0	CH 100	5500	13.40	15.00	12.50	87.41
		CH 116	5580	13.71	15.50	12.50	
		CH 140	5700	14.02	16.00	12.50	
	802.11ac-VHT40 MCS0	CH 102	5510	12.65	14.50	10.50	77.63
		CH 110	5550	12.62	14.50	10.50	
		CH 134	5670	12.94	14.50	10.50	
	802.11ac-VHT80 MCS0	CH 106	5530	12.11	14.00	12.50	63.83
		CH 138	5690	12.75	14.50	12.50	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	13.82	15.50	12.50	88.54
		CH 157	5785	13.76	15.50	12.50	
		CH 165	5825	13.95	15.50	12.50	
	802.11n-HT20 MCS0	CH 149	5745	13.17	15.00	12.50	87.31
		CH 157	5785	12.84	14.50	12.50	
		CH 165	5825	12.87	14.50	12.50	
	802.11n-HT40 MCS0	CH 151	5755	12.00	14.00	12.50	77.63
		CH 159	5795	12.32	14.00	12.50	
	802.11ac-VHT20 MCS0	CH 149	5745	13.13	15.00	12.50	86.76
		CH 157	5785	12.79	14.50	12.50	
		CH 165	5825	13.29	15.00	12.50	
	802.11ac-VHT40 MCS0	CH 151	5755	12.55	14.50	10.50	77.63
		CH 159	5795	12.79	14.50	10.50	
	802.11ac-VHT80 MCS0	CH 155	5775	12.02	14.00	12.50	62.50