



REPORT No.: SZ23080057S01

Annex E Conducted Power

Note:

Conducted power unit: dBm.

The target power was recorded in the manufacture document.

Full Power

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel		128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		32.54	32.60	32.51	33.50	23.54	23.60	23.51	24.50	0.14
GPRS 1 Tx slot		32.49	32.53	32.46	33.50	23.49	23.53	23.46	24.50	
GPRS 2 Tx slots		31.69	31.77	31.68	32.50	25.69	25.77	25.68	26.50	0.09
GPRS 3 Tx slots		30.01	30.09	29.97	30.50	25.75	25.83	25.71	26.24	0.12
GPRS 4 Tx slots		27.57	27.61	27.58	28.50	24.57	24.61	24.58	25.50	0.04
EDGE 1 Tx slot		26.99	27.10	26.95	27.50	17.99	18.10	17.95	18.50	0.15
EDGE 2 Tx slots		25.73	25.85	25.75	26.50	19.73	19.85	19.75	20.50	0.12
EDGE 3 Tx slots		23.63	23.77	23.75	24.50	19.37	19.51	19.49	20.24	0.14
EDGE 4 Tx slots		21.64	21.67	21.52	22.50	18.64	18.67	18.52	19.50	0.15
Mode			Max.	32.60			Max.	25.83		
Attenuator		Cable Loss : 0.6								

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel		512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot		29.58	29.63	29.57	30.50	20.58	20.63	20.57	21.50	0.20
GPRS 1 Tx slot		29.43	29.58	29.53	30.50	20.43	20.58	20.53	21.50	
GPRS 2 Tx slots		28.76	28.78	28.71	29.50	22.76	22.78	22.71	23.50	0.07
GPRS 3 Tx slots		27.04	27.07	27.00	28.50	22.78	22.81	22.74	24.24	0.07
GPRS 4 Tx slots		26.10	26.12	26.05	27.50	23.10	23.12	23.05	24.50	0.07
EDGE 1 Tx slot		25.57	25.60	25.56	26.50	16.57	16.60	16.56	17.50	0.04
EDGE 2 Tx slots		24.68	24.70	24.65	25.50	18.68	18.70	18.65	19.50	0.05
EDGE 3 Tx slots		22.74	22.86	22.76	24.50	18.48	18.60	18.50	20.24	0.12
EDGE 4 Tx slots		21.58	21.61	21.54	23.50	18.58	18.61	18.54	20.50	0.07
Mode			Max.	29.63			Max.	23.12		
Attenuator		Cable Loss : 0.8								

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	22.80	22.82	22.75	23.50	22.77	22.82	22.79	23.50	23.11	23.17	23.13	24.00
3GPP Rel 5	HSDPA Subtest-1	22.10	22.04	22.13	22.50	22.15	22.17	22.12	22.50	21.99	21.93	22.04	22.50
3GPP Rel 5	HSDPA Subtest-2	22.11	22.06	22.09	22.50	22.15	22.16	22.09	22.50	21.90	21.90	21.98	22.50
3GPP Rel 5	HSDPA Subtest-3	21.59	21.51	21.62	22.00	21.67	21.65	21.65	22.00	21.44	21.48	21.52	22.00
3GPP Rel 5	HSDPA Subtest-4	21.58	21.49	21.56	22.00	21.62	21.66	21.64	22.00	21.40	21.45	21.52	22.00
3GPP Rel 6	HSUPA Subtest-1	22.13	21.57	21.49	22.50	21.63	21.67	21.64	22.00	21.46	21.44	21.50	21.50
3GPP Rel 6	HSUPA Subtest-2	22.10	22.08	21.97	22.50	22.17	22.15	22.10	22.50	21.91	21.89	22.04	22.50
3GPP Rel 6	HSUPA Subtest-3	21.12	21.05	20.99	21.50	21.16	21.18	21.13	21.50	20.94	20.97	21.01	21.50
3GPP Rel 6	HSUPA Subtest-4	22.11	22.04	21.96	22.50	22.12	22.16	22.11	22.50	21.88	21.92	21.97	22.50
3GPP Rel 6	HSUPA Subtest-5	21.08	21.06	20.97	21.50	21.10	21.17	21.13	21.50	20.93	20.94	21.00	21.50
Attenuator			Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6	
Mode			Max.	22.82			Max.	22.82			Max.	23.17	

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	23.5
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.44	22.50	22.47	23.5
20	QPSK	1	49	22.38	22.35	22.35	
20	QPSK	1	99	22.30	22.27	22.28	22.5
20	QPSK	50	0	21.77	21.78	21.75	
20	QPSK	50	24	21.68	21.50	21.61	22.5
20	QPSK	50	50	21.57	21.38	21.55	
20	QPSK	100	0	21.48	21.52	21.41	22.5
20	16QAM	1	0	21.75	21.59	21.68	
20	16QAM	1	49	21.69	21.51	21.61	21.5
20	16QAM	1	99	21.65	21.38	21.50	
20	16QAM	50	0	20.71	20.50	20.66	21.5
20	16QAM	50	24	20.65	20.43	20.53	
20	16QAM	50	50	20.55	20.34	20.38	21.5
20	16QAM	100	0	20.52	20.30	20.26	
Channel				18675	18900	19125	23.5
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.41	22.42	22.40	23.5
15	QPSK	1	37	22.30	22.25	22.30	
15	QPSK	1	74	22.24	22.21	22.24	22.5
15	QPSK	36	0	21.68	21.73	21.64	
15	QPSK	36	20	21.64	21.46	21.54	22.5
15	QPSK	36	39	21.52	21.34	21.45	
15	QPSK	75	0	21.43	21.48	21.34	22.5
15	16QAM	1	0	21.70	21.51	21.61	
15	16QAM	1	37	21.58	21.43	21.53	21.5
15	16QAM	1	74	21.56	21.33	21.46	
15	16QAM	36	0	20.67	20.43	20.59	21.5
15	16QAM	36	20	20.62	20.39	20.48	
15	16QAM	36	39	20.50	20.30	20.30	21.5
15	16QAM	75	0	20.48	20.25	20.16	
Channel				18650	18900	19150	23.5
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.38	22.38	22.37	23.5
10	QPSK	1	25	22.20	22.19	22.21	
10	QPSK	1	49	22.19	22.11	22.15	22.5
10	QPSK	25	0	21.63	21.64	21.61	
10	QPSK	25	12	21.54	21.40	21.45	22.5
10	QPSK	25	25	21.47	21.24	21.35	
10	QPSK	50	0	21.37	21.42	21.28	22.5
10	16QAM	1	0	21.63	21.42	21.58	
10	16QAM	1	25	21.47	21.35	21.45	21.5
10	16QAM	1	49	21.49	21.27	21.41	
10	16QAM	25	0	20.58	20.38	20.50	21.5
10	16QAM	25	12	20.54	20.30	20.38	
10	16QAM	25	25	20.45	20.25	20.26	21.5
10	16QAM	50	0	20.43	20.20	20.12	
Channel				18625	18900	19175	23.5
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.33	22.31	22.32	23.5
5	QPSK	1	12	22.21	22.15	22.21	
5	QPSK	1	24	22.15	22.11	22.13	22.5
5	QPSK	12	0	21.60	21.64	21.56	
5	QPSK	12	7	21.55	21.38	21.43	22.5
5	QPSK	12	13	21.42	21.29	21.40	
5	QPSK	25	0	21.37	21.41	21.28	22.5
5	16QAM	1	0	21.67	21.41	21.58	
5	16QAM	1	12	21.51	21.36	21.42	21.5
5	16QAM	1	24	21.48	21.22	21.39	
5	16QAM	12	0	20.58	20.39	20.52	21.5
5	16QAM	12	7	20.53	20.32	20.40	
5	16QAM	12	13	20.45	20.23	20.26	21.5
5	16QAM	25	0	20.38	20.16	20.10	
Channel				18615	18900	19165	23.5
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.37	22.34	22.34	23.5
3	QPSK	1	8	22.26	22.14	22.25	
3	QPSK	1	14	22.16	22.18	22.18	22.5
3	QPSK	8	0	21.61	21.65	21.58	
3	QPSK	8	4	21.60	21.42	21.46	22.5
3	QPSK	8	7	21.46	21.29	21.34	
3	QPSK	15	0	21.33	21.44	21.28	22.5
3	16QAM	1	0	21.60	21.44	21.53	
3	16QAM	1	8	21.48	21.37	21.46	21.5
3	16QAM	1	14	21.51	21.24	21.41	
3	16QAM	8	0	20.60	20.33	20.48	21.5
3	16QAM	8	4	20.56	20.35	20.44	
3	16QAM	8	7	20.45	20.20	20.23	21.5
3	16QAM	15	0	20.38	20.16	20.12	
Channel				18607	18900	19193	23.5
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.34	22.34	22.31	23.5
1.4	QPSK	1	3	22.19	22.18	22.24	
1.4	QPSK	1	5	22.16	22.16	22.15	22.5
1.4	QPSK	3	0	21.58	21.63	21.58	
1.4	QPSK	3	1	21.60	21.36	21.46	22.5
1.4	QPSK	3	3	21.47	21.30	21.36	
1.4	QPSK	6	0	21.32	21.43	21.30	22.5
1.4	16QAM	1	0	21.63	21.44	21.53	
1.4	16QAM	1	3	21.49	21.39	21.47	22.5
1.4	16QAM	1	5	21.45	21.24	21.40	
1.4	16QAM	3	0	20.63	20.36	20.50	21.5
1.4	16QAM	3	1	20.57	20.33	20.44	
1.4	16QAM	3	3	20.46	20.21	20.23	21.5
1.4	16QAM	6	0	20.40	20.20	20.09	

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	23.5
20	QPSK	1	0	22.35	22.40	22.32	
20	QPSK	1	49	22.25	22.37	22.24	
20	QPSK	1	99	22.10	22.31	22.15	
20	QPSK	50	0	21.55	21.67	21.53	
20	QPSK	50	24	21.50	21.56	21.46	
20	QPSK	50	50	21.40	21.50	21.32	22.5
	QPSK	100	0	21.39	21.44	21.32	
	16QAM	1	0	21.52	21.64	21.45	
20	16QAM	1	49	21.45	21.54	21.34	22.5
	16QAM	1	99	21.41	21.48	21.27	
	16QAM	50	0	20.53	20.61	20.38	
20	16QAM	50	24	20.42	20.49	20.30	21.5
	16QAM	50	50	20.32	20.39	20.23	
	16QAM	100	0	20.29	20.29	20.10	
	Channel				20025	20175	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	22.32	22.35	22.28	23.5
15	QPSK	1	37	22.18	22.30	22.20	
15	QPSK	1	74	22.01	22.22	22.11	
15	QPSK	36	0	21.46	21.62	21.46	22.5
15	QPSK	36	20	21.42	21.52	21.39	
15	QPSK	36	39	21.32	21.46	21.21	
15	QPSK	75	0	21.36	21.39	21.24	22.5
15	16QAM	1	0	21.42	21.54	21.37	
15	16QAM	1	37	21.41	21.49	21.30	
15	16QAM	1	74	21.35	21.38	21.19	
15	16QAM	36	0	20.45	20.52	20.28	
15	16QAM	36	20	20.34	20.43	20.19	
15	16QAM	36	39	20.23	20.35	20.13	21.5
	16QAM	75	0	20.20	20.23	20.01	
	Channel				20000	20175	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	22.25	22.32	22.24	23.5
10	QPSK	1	25	22.15	22.29	22.13	
10	QPSK	1	49	22.03	22.22	22.11	
10	QPSK	25	0	21.47	21.61	21.45	22.5
10	QPSK	25	12	21.46	21.51	21.41	
10	QPSK	25	25	21.32	21.46	21.25	
10	QPSK	50	0	21.32	21.33	21.28	22.5
10	16QAM	1	0	21.42	21.58	21.38	
10	16QAM	1	25	21.35	21.49	21.26	
10	16QAM	1	49	21.32	21.40	21.20	21.5
10	16QAM	25	0	20.45	20.54	20.27	
10	16QAM	25	12	20.37	20.41	20.24	
10	16QAM	25	25	20.23	20.31	20.19	
10	16QAM	50	0	20.24	20.21	20.03	
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)
5	QPSK	1	0	22.31	22.35	22.26	23.5
5	QPSK	1	12	22.21	22.33	22.16	
5	QPSK	1	24	22.03	22.23	22.06	
5	QPSK	12	0	21.44	21.63	21.48	22.5
5	QPSK	12	7	21.45	21.51	21.40	
5	QPSK	12	13	21.36	21.40	21.23	
5	QPSK	25	0	21.32	21.40	21.28	22.5
5	16QAM	1	0	21.42	21.61	21.42	
5	16QAM	1	12	21.39	21.46	21.25	
5	16QAM	1	24	21.37	21.39	21.16	
5	16QAM	12	0	20.48	20.51	20.30	
5	16QAM	12	7	20.34	20.42	20.20	
5	16QAM	12	13	20.26	20.35	20.15	21.5
	16QAM	25	0	20.22	20.21	20.05	
	Channel				19965	20175	
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)
3	QPSK	1	0	22.26	22.37	22.25	23.5
3	QPSK	1	8	22.18	22.30	22.17	
3	QPSK	1	14	22.01	22.28	22.11	
3	QPSK	8	0	21.51	21.64	21.46	22.5
3	QPSK	8	4	21.44	21.47	21.37	
3	QPSK	8	7	21.32	21.44	21.27	
3	QPSK	15	0	21.32	21.39	21.28	22.5
3	16QAM	1	0	21.47	21.55	21.38	
3	16QAM	1	8	21.42	21.51	21.24	
3	16QAM	1	14	21.33	21.44	21.19	21.5
3	16QAM	8	0	20.44	20.55	20.28	
3	16QAM	8	4	20.37	20.41	20.24	
3	16QAM	8	7	20.22	20.33	20.17	
3	16QAM	15	0	20.18	20.20	20.05	
Channel				19957	20175	20393	
Frequency (MHz)				1710.7	1732.5	1754.3	Tune-up limit (dBm)
1.4	QPSK	1	0	22.28	22.30	22.28	23.5
1.4	QPSK	1	3	22.16	22.31	22.15	
1.4	QPSK	1	5	22.03	22.22	22.10	
1.4	QPSK	3	0	21.50	21.58	21.48	
1.4	QPSK	3	1	21.46	21.51	21.37	
1.4	QPSK	3	3	21.32	21.46	21.28	
1.4	QPSK	6	0	21.31	21.36	21.28	22.5
1.4	16QAM	1	0	21.49	21.59	21.38	
1.4	16QAM	1	3	21.35	21.48	21.27	
1.4	16QAM	1	5	21.37	21.42	21.19	22.5
1.4	16QAM	3	0	20.47	20.53	20.28	
1.4	16QAM	3	1	20.38	20.39	20.24	
1.4	16QAM	3	3	20.21	20.33	20.16	
1.4	16QAM	6	0	20.18	20.20	20.02	
1.4	16QAM	6	0	20.18	20.20	20.02	

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 lim (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	24
10	QPSK	1	0	22.98	23.03	22.96	
10	QPSK	1	25	22.87	22.98	22.84	
10	QPSK	1	49	22.85	22.88	22.74	
10	QPSK	25	0	22.29	22.33	22.16	
10	QPSK	25	12	22.15	22.21	22.07	23
10	QPSK	25	25	22.01	22.13	21.93	
10	QPSK	50	0	21.89	22.05	21.82	
10	16QAM	1	0	22.12	22.31	22.05	23
10	16QAM	1	25	22.04	22.21	21.96	
10	16QAM	1	49	21.98	22.17	21.83	
10	16QAM	25	0	21.13	21.26	20.95	
10	16QAM	25	12	20.99	21.19	20.88	
10	16QAM	25	25	20.94	21.12	20.79	22
10	16QAM	50	0	20.89	21.06	20.73	
Channel				20425	20525	20625	Tune-up lim (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	22.94	22.96	22.91	24
5	QPSK	1	12	22.84	22.90	22.75	
5	QPSK	1	24	22.77	22.82	22.70	
5	QPSK	12	0	22.20	22.26	22.10	23
5	QPSK	12	7	22.11	22.17	21.98	
5	QPSK	12	13	21.91	22.09	21.83	
5	QPSK	25	0	21.85	22.01	21.74	23
5	16QAM	1	0	22.07	22.23	21.96	
5	16QAM	1	12	21.95	22.15	21.91	
5	16QAM	1	24	21.93	22.07	21.75	22
5	16QAM	12	0	21.08	21.16	20.84	
5	16QAM	12	7	20.93	21.12	20.79	
5	16QAM	12	13	20.85	21.08	20.68	
5	16QAM	25	0	20.79	21.01	20.68	
Channel				20415	20525	20635	Tune-up lim (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	22.89	22.92	22.87	24
3	QPSK	1	8	22.76	22.91	22.81	
3	QPSK	1	14	22.76	22.81	22.63	
3	QPSK	8	0	22.23	22.27	22.13	23
3	QPSK	8	4	22.09	22.13	22.01	
3	QPSK	8	7	21.91	22.03	21.88	
3	QPSK	15	0	21.80	21.96	21.77	23
3	16QAM	1	0	22.04	22.24	22.01	
3	16QAM	1	8	21.99	22.10	21.91	
3	16QAM	1	14	21.91	22.07	21.80	
3	16QAM	8	0	21.08	21.15	20.85	
3	16QAM	8	4	20.89	21.14	20.82	22
3	16QAM	8	7	20.87	21.01	20.76	
3	16QAM	15	0	20.85	21.00	20.65	
Channel				20407	20525	20643	Tune-up lim (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.92	22.97	22.87	24
1.4	QPSK	1	3	22.82	22.89	22.77	
1.4	QPSK	1	5	22.82	22.80	22.69	
1.4	QPSK	3	0	22.20	22.27	22.07	
1.4	QPSK	3	1	22.09	22.17	22.00	
1.4	QPSK	3	3	21.95	22.08	21.88	23
1.4	QPSK	6	0	21.80	22.01	21.75	
1.4	16QAM	1	0	22.02	22.25	22.01	
1.4	16QAM	1	3	21.93	22.15	21.90	23
1.4	16QAM	1	5	21.95	22.07	21.75	
1.4	16QAM	3	0	21.03	21.18	20.88	
1.4	16QAM	3	1	20.95	21.10	20.77	
1.4	16QAM	3	3	20.90	21.01	20.75	
1.4	16QAM	6	0	20.82	21.00	20.63	22

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				23060	23095	23130		
Frequency (MHz)				704	707.5	711	24	
10	QPSK	1	0	22.95	22.98	22.96		
10	QPSK	1	25	22.81	22.87	22.83		
10	QPSK	1	49	22.72	22.79	22.80		
10	QPSK	25	0	22.19	22.26	22.15		
10	QPSK	25	12	22.11	22.23	22.04	23	
10	QPSK	25	25	21.99	22.13	22.01		
10	QPSK	50	0	21.95	22.10	21.94		
10	16QAM	1	0	22.18	22.31	22.20		
10	16QAM	1	25	22.15	22.25	22.13		23
10	16QAM	1	49	22.05	22.16	22.06		
10	16QAM	25	0	21.23	21.24	21.13		
10	16QAM	25	12	21.11	21.16	21.08		
10	16QAM	25	25	20.98	21.10	20.93	22	
10	16QAM	50	0	20.95	21.01	20.82		
Channel				23035	23095	23155		Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	22.87	22.91	22.89		24
5	QPSK	1	12	22.71	22.82	22.74		
5	QPSK	1	24	22.64	22.71	22.76		
5	QPSK	12	0	22.12	22.23	22.04		
5	QPSK	12	7	22.03	22.16	21.97	23	
5	QPSK	12	13	21.90	22.04	21.90		
5	QPSK	25	0	21.86	22.04	21.88		
5	16QAM	1	0	22.15	22.23	22.14		
5	16QAM	1	12	22.06	22.17	22.06		23
5	16QAM	1	24	21.97	22.06	22.01		
5	16QAM	12	0	21.19	21.15	21.06		
5	16QAM	12	7	21.05	21.10	20.97		
5	16QAM	12	13	20.87	20.99	20.89	22	
5	16QAM	25	0	20.88	20.93	20.72		
Channel				23025	23095	23165		Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	22.89	22.88	22.86		24
3	QPSK	1	8	22.77	22.81	22.74		
3	QPSK	1	14	22.64	22.72	22.70		
3	QPSK	8	0	22.14	22.19	22.06		
3	QPSK	8	4	22.04	22.19	21.93	23	
3	QPSK	8	7	21.93	22.05	21.95		
3	QPSK	15	0	21.91	22.02	21.88		
3	16QAM	1	0	22.08	22.22	22.09		
3	16QAM	1	8	22.07	22.17	22.04		23
3	16QAM	1	14	21.97	22.06	21.98		
3	16QAM	8	0	21.19	21.16	21.10		
3	16QAM	8	4	21.07	21.10	20.98		
3	16QAM	8	7	20.91	21.06	20.84	22	
3	16QAM	15	0	20.85	20.97	20.75		
Channel				23017	23095	23173		Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	22.87	22.94	22.92		24
1.4	QPSK	1	3	22.77	22.81	22.75		
1.4	QPSK	1	5	22.66	22.76	22.73		
1.4	QPSK	3	0	22.10	22.21	22.11		
1.4	QPSK	3	1	22.07	22.16	21.95	23	
1.4	QPSK	3	3	21.96	22.08	21.95		
1.4	QPSK	6	0	21.85	22.00	21.83		
1.4	16QAM	1	0	22.07	22.22	22.13		
1.4	16QAM	1	3	22.05	22.18	22.05		23
1.4	16QAM	1	5	21.99	22.13	21.99		
1.4	16QAM	3	0	21.18	21.17	21.05		
1.4	16QAM	3	1	21.06	21.09	21.03		
1.4	16QAM	3	3	20.90	21.06	20.85	22	
1.4	16QAM	6	0	20.85	20.97	20.73		

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	22.96	22.97	22.92	24
10	QPSK	1	25	22.85	22.94	22.81	
10	QPSK	1	49	22.72	22.83	22.69	
10	QPSK	25	0	22.16	22.22	22.05	
10	QPSK	25	12	22.09	22.07	21.96	23
10	QPSK	25	25	22.00	21.97	21.81	
10	QPSK	50	0	21.94	21.95	21.68	
10	16QAM	1	0	22.14	22.18	21.89	
10	16QAM	1	25	22.00	22.04	21.85	23
10	16QAM	1	49	21.87	21.90	21.72	
10	16QAM	25	0	21.04	21.03	20.90	
10	16QAM	25	12	20.92	20.89	20.80	
10	16QAM	25	25	20.77	20.74	20.78	22
10	16QAM	50	0	20.75	20.62	20.66	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.91	22.93	22.82	24
5	QPSK	1	12	22.75	22.85	22.74	
5	QPSK	1	24	22.61	22.74	22.60	
5	QPSK	12	0	22.11	22.12	22.01	
5	QPSK	12	7	22.04	22.01	21.86	23
5	QPSK	12	13	21.96	21.87	21.74	
5	QPSK	25	0	21.85	21.83	21.61	
5	16QAM	1	0	22.08	22.08	21.80	
5	16QAM	1	12	21.92	21.97	21.81	23
5	16QAM	1	24	21.78	21.86	21.65	
5	16QAM	12	0	21.01	20.93	20.82	
5	16QAM	12	7	20.82	20.83	20.72	
5	16QAM	12	13	20.67	20.70	20.71	22
5	16QAM	25	0	20.65	20.55	20.59	

Band 25 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	22.48	22.54	22.52	23.5
20	QPSK	1	49	22.35	22.40	22.43	
20	QPSK	1	99	22.27	22.35	22.35	
20	QPSK	50	0	21.74	21.80	21.78	
20	QPSK	50	24	21.59	21.66	21.63	22.5
20	QPSK	50	50	21.52	21.56	21.61	
20	QPSK	100	0	21.44	21.51	21.49	
20	16QAM	1	0	21.65	21.73	21.76	
20	16QAM	1	49	21.62	21.61	21.71	22.5
20	16QAM	1	99	21.55	21.52	21.59	
20	16QAM	50	0	20.72	20.58	20.68	
20	16QAM	50	24	20.65	20.55	20.58	
20	16QAM	50	50	20.54	20.47	20.45	21.5
20	16QAM	100	0	20.46	20.43	20.42	
Channel				26115	26365	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	22.44	22.51	22.47	23.5
15	QPSK	1	37	22.29	22.35	22.34	
15	QPSK	1	74	22.19	22.32	22.32	
15	QPSK	36	0	21.70	21.72	21.70	
15	QPSK	36	20	21.51	21.58	21.55	22.5
15	QPSK	36	39	21.45	21.49	21.51	
15	QPSK	75	0	21.41	21.43	21.46	
15	16QAM	1	0	21.60	21.69	21.67	
15	16QAM	1	37	21.52	21.54	21.65	22.5
15	16QAM	1	74	21.52	21.41	21.55	
15	16QAM	36	0	20.68	20.50	20.62	
15	16QAM	36	20	20.55	20.48	20.52	
15	16QAM	36	39	20.45	20.37	20.41	21.5
15	16QAM	75	0	20.42	20.33	20.33	
Channel				26090	26365	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	22.38	22.51	22.42	23.5
10	QPSK	1	25	22.28	22.33	22.32	
10	QPSK	1	49	22.22	22.27	22.27	
10	QPSK	25	0	21.64	21.76	21.69	
10	QPSK	25	12	21.52	21.62	21.55	22.5
10	QPSK	25	25	21.46	21.49	21.55	
10	QPSK	50	0	21.38	21.39	21.38	
10	16QAM	1	0	21.58	21.69	21.69	
10	16QAM	1	25	21.52	21.51	21.64	22.5
10	16QAM	1	49	21.48	21.42	21.50	
10	16QAM	25	0	20.62	20.55	20.61	
10	16QAM	25	12	20.57	20.45	20.53	
10	16QAM	25	25	20.48	20.37	20.39	21.5
10	16QAM	50	0	20.42	20.39	20.34	
Channel				26065	26365	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	22.42	22.50	22.47	23.5
5	QPSK	1	12	22.29	22.36	22.39	
5	QPSK	1	24	22.23	22.30	22.31	
5	QPSK	12	0	21.65	21.76	21.69	
5	QPSK	12	7	21.52	21.58	21.60	22.5
5	QPSK	12	13	21.42	21.52	21.54	
5	QPSK	25	0	21.36	21.40	21.42	
5	16QAM	1	0	21.60	21.65	21.69	
5	16QAM	1	12	21.51	21.50	21.68	22.5
5	16QAM	1	24	21.49	21.43	21.53	
5	16QAM	12	0	20.61	20.48	20.59	
5	16QAM	12	7	20.57	20.51	20.49	
5	16QAM	12	13	20.47	20.40	20.42	21.5
5	16QAM	25	0	20.38	20.33	20.31	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	22.43	22.44	22.44	23.5
3	QPSK	1	8	22.31	22.31	22.34	
3	QPSK	1	14	22.22	22.30	22.26	
3	QPSK	8	0	21.70	21.70	21.74	
3	QPSK	8	4	21.53	21.61	21.52	22.5
3	QPSK	8	7	21.45	21.51	21.53	
3	QPSK	15	0	21.38	21.39	21.42	
3	16QAM	1	0	21.56	21.63	21.65	
3	16QAM	1	8	21.56	21.53	21.64	22.5
3	16QAM	1	14	21.49	21.47	21.49	
3	16QAM	8	0	20.61	20.48	20.58	
3	16QAM	8	4	20.60	20.49	20.52	
3	16QAM	8	7	20.47	20.39	20.34	21.5
3	16QAM	15	0	20.35	20.32	20.33	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.44	22.44	22.47	23.5
1.4	QPSK	1	3	22.28	22.36	22.36	
1.4	QPSK	1	5	22.20	22.30	22.24	
1.4	QPSK	3	0	21.69	21.72	21.72	
1.4	QPSK	3	1	21.48	21.59	21.55	22.5
1.4	QPSK	3	3	21.49	21.46	21.53	
1.4	QPSK	6	0	21.38	21.40	21.38	
1.4	16QAM	1	0	21.55	21.69	21.69	
1.4	16QAM	1	3	21.55	21.50	21.62	21.5
1.4	16QAM	1	5	21.44	21.48	21.56	
1.4	16QAM	3	0	20.67	20.53	20.63	
1.4	16QAM	3	1	20.59	20.45	20.48	
1.4	16QAM	3	3	20.49	20.38	20.41	20.5
1.4	16QAM	6	0	20.41	20.38	20.33	

Band 26 for FCC (dBm) (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up lim (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	24
15	QPSK	1	0	23.00	23.01	22.99	
15	QPSK	1	37	22.96	22.87	22.96	
15	QPSK	1	74	22.88	22.85	22.83	
15	QPSK	36	0	22.33	22.34	22.19	
15	QPSK	36	20	22.25	22.19	22.15	23
15	QPSK	36	39	22.17	22.06	22.09	
15	QPSK	75	0	22.03	22.06	21.96	
15	16QAM	1	0	22.41	22.21	22.19	
15	16QAM	1	37	22.31	22.18	22.10	
15	16QAM	1	74	22.18	22.13	21.97	23
15	16QAM	36	0	21.27	21.21	21.10	
15	16QAM	36	20	21.19	21.10	20.99	
15	16QAM	36	39	21.10	21.04	20.94	
15	16QAM	75	0	20.98	20.90	20.87	
Channel				26740	26865	26990	Tune-up lim (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.93	22.95	22.89	24
10	QPSK	1	25	22.87	22.83	22.88	
10	QPSK	1	49	22.82	22.75	22.79	
10	QPSK	25	0	22.23	22.26	22.13	
10	QPSK	25	12	22.17	22.10	22.05	
10	QPSK	25	25	22.06	21.96	22.00	23
10	QPSK	50	0	22.06	21.91	21.91	
10	16QAM	1	0	22.34	22.17	22.11	
10	16QAM	1	25	22.23	22.13	22.02	
10	16QAM	1	49	22.08	22.03	21.94	
10	16QAM	25	0	21.19	21.16	21.06	23
10	16QAM	25	12	21.10	21.00	20.88	
10	16QAM	25	25	21.05	20.98	20.90	
10	16QAM	50	0	20.91	20.79	20.81	
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	Tune-up lim (dBm)
5	QPSK	1	0	22.95	22.95	22.93	
5	QPSK	1	12	22.87	22.79	22.88	24
5	QPSK	1	24	22.80	22.80	22.77	
5	QPSK	12	0	22.27	22.24	22.14	
5	QPSK	12	7	22.19	22.12	22.07	
5	QPSK	12	13	22.11	21.96	22.03	
5	QPSK	25	0	22.03	21.88	21.86	23
5	16QAM	1	0	22.38	22.14	22.11	
5	16QAM	1	12	22.21	22.13	22.03	
5	16QAM	1	24	22.10	22.08	21.89	
5	16QAM	12	0	21.23	21.14	21.07	
5	16QAM	12	7	21.10	20.99	20.93	22
5	16QAM	12	13	21.06	20.97	20.85	
5	16QAM	25	0	20.91	20.84	20.79	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.93	22.90	22.95	
3	QPSK	1	8	22.92	22.78	22.93	24
3	QPSK	1	14	22.81	22.81	22.75	
3	QPSK	8	0	22.24	22.22	22.14	
3	QPSK	8	4	22.21	22.10	22.10	
3	QPSK	8	7	22.06	21.98	22.04	
3	QPSK	15	0	22.08	21.90	21.89	23
3	16QAM	1	0	22.33	22.14	22.11	
3	16QAM	1	8	22.28	22.08	22.06	
3	16QAM	1	14	22.13	22.04	21.88	
3	16QAM	8	0	21.18	21.16	21.03	
3	16QAM	8	4	21.09	21.03	20.92	22
3	16QAM	8	7	21.01	20.98	20.91	
3	16QAM	15	0	20.90	20.83	20.78	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.92	22.96	22.95	
1.4	QPSK	1	3	22.87	22.82	22.89	24
1.4	QPSK	1	5	22.84	22.78	22.76	
1.4	QPSK	3	0	22.29	22.24	22.12	
1.4	QPSK	3	1	22.18	22.13	22.09	
1.4	QPSK	3	3	22.13	21.98	22.03	
1.4	QPSK	6	0	22.03	21.86	21.92	23
1.4	16QAM	1	0	22.36	22.13	22.14	
1.4	16QAM	1	3	22.22	22.13	22.00	
1.4	16QAM	1	5	22.15	22.03	21.94	
1.4	16QAM	3	0	21.23	21.16	21.00	
1.4	16QAM	3	1	21.10	21.00	20.90	23
1.4	16QAM	3	3	20.99	20.96	20.86	
1.4	16QAM	6	0	20.90	20.85	20.82	
1.4	16QAM	6	0	20.90	20.85	20.82	
1.4	16QAM	6	0	20.90	20.85	20.82	

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	22.29	22.41	22.38	23.5
20	QPSK	1	49	22.18	22.31	22.33	
20	QPSK	1	99	22.04	22.20	22.19	
20	QPSK	50	0	21.47	21.67	21.56	
20	QPSK	50	24	21.41	21.52	21.43	22.5
20	QPSK	50	50	21.31	21.41	21.38	
20	QPSK	100	0	21.28	21.35	21.24	
20	16QAM	1	0	21.52	21.60	21.52	
20	16QAM	1	49	21.44	21.48	21.48	22.5
20	16QAM	1	99	21.40	21.42	21.39	
20	16QAM	50	0	20.50	20.51	20.57	
20	16QAM	50	24	20.47	20.43	20.54	
20	16QAM	50	50	20.41	20.33	20.47	21.5
20	16QAM	100	0	20.32	20.26	20.33	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	22.18	22.31	22.32	23.5
15	QPSK	1	37	22.08	22.23	22.27	
15	QPSK	1	74	22.00	22.16	22.09	
15	QPSK	36	0	21.38	21.62	21.52	
15	QPSK	36	20	21.38	21.47	21.37	22.5
15	QPSK	36	39	21.25	21.30	21.27	
15	QPSK	75	0	21.17	21.25	21.14	
15	16QAM	1	0	21.41	21.53	21.41	
15	16QAM	1	37	21.35	21.43	21.40	22.5
15	16QAM	1	74	21.29	21.37	21.35	
15	16QAM	36	0	20.40	20.45	20.50	
15	16QAM	36	20	20.40	20.36	20.48	
15	16QAM	36	39	20.37	20.27	20.40	21.5
15	16QAM	75	0	20.22	20.17	20.27	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	22.22	22.33	22.30	23.5
10	QPSK	1	25	22.14	22.26	22.22	
10	QPSK	1	49	22.00	22.14	22.08	
10	QPSK	25	0	21.37	21.64	21.46	
10	QPSK	25	12	21.35	21.46	21.37	22.5
10	QPSK	25	25	21.23	21.35	21.35	
10	QPSK	50	0	21.17	21.30	21.18	
10	16QAM	1	0	21.48	21.52	21.44	
10	16QAM	1	25	21.34	21.44	21.39	22.5
10	16QAM	1	49	21.33	21.33	21.30	
10	16QAM	25	0	20.40	20.43	20.52	
10	16QAM	25	12	20.39	20.34	20.50	
10	16QAM	25	25	20.38	20.30	20.43	21.5
10	16QAM	50	0	20.23	20.17	20.24	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	22.21	22.31	22.33	23.5
5	QPSK	1	12	22.13	22.27	22.24	
5	QPSK	1	24	21.94	22.11	22.11	
5	QPSK	12	0	21.36	21.56	21.53	
5	QPSK	12	7	21.34	21.47	21.38	22.5
5	QPSK	12	13	21.25	21.35	21.33	
5	QPSK	25	0	21.21	21.30	21.15	
5	16QAM	1	0	21.42	21.51	21.43	
5	16QAM	1	12	21.41	21.42	21.37	22.5
5	16QAM	1	24	21.33	21.35	21.30	
5	16QAM	12	0	20.45	20.47	20.54	
5	16QAM	12	7	20.41	20.35	20.47	
5	16QAM	12	13	20.31	20.22	20.43	21.5
5	16QAM	25	0	20.27	20.18	20.27	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	22.24	22.30	22.27	23.5
3	QPSK	1	8	22.13	22.25	22.29	
3	QPSK	1	14	21.98	22.17	22.10	
3	QPSK	8	0	21.42	21.62	21.52	
3	QPSK	8	4	21.38	21.47	21.32	22.5
3	QPSK	8	7	21.24	21.32	21.28	
3	QPSK	15	0	21.22	21.30	21.17	
3	16QAM	1	0	21.45	21.57	21.49	
3	16QAM	1	8	21.41	21.37	21.43	22.5
3	16QAM	1	14	21.34	21.32	21.32	
3	16QAM	8	0	20.44	20.41	20.50	
3	16QAM	8	4	20.40	20.39	20.51	
3	16QAM	8	7	20.37	20.29	20.42	21.5
3	16QAM	15	0	20.27	20.18	20.30	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.22	22.33	22.29	23.5
1.4	QPSK	1	3	22.13	22.23	22.27	
1.4	QPSK	1	5	22.00	22.13	22.11	
1.4	QPSK	3	0	21.40	21.59	21.51	
1.4	QPSK	3	1	21.36	21.42	21.38	
1.4	QPSK	3	3	21.26	21.34	21.28	
1.4	QPSK	6	0	21.22	21.28	21.16	22.5
1.4	16QAM	1	0	21.49	21.55	21.48	
1.4	16QAM	1	3	21.41	21.39	21.41	22.5
1.4	16QAM	1	5	21.30	21.37	21.36	
1.4	16QAM	3	0	20.43	20.45	20.46	
1.4	16QAM	3	1	20.44	20.36	20.45	
1.4	16QAM	3	3	20.30	20.27	20.36	
1.4	16QAM	6	0	20.27	20.17	20.24	

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	22.63	22.67	22.60	23.5
20	QPSK	1	49	22.55	22.57	22.56	
20	QPSK	1	99	22.42	22.48	22.54	
20	QPSK	50	0	21.82	21.96	21.92	22.5
20	QPSK	50	24	21.79	21.92	21.85	
20	QPSK	50	50	21.71	21.87	21.74	
20	QPSK	100	0	21.60	21.83	21.63	22.5
20	16QAM	1	0	21.87	22.03	21.84	
20	16QAM	1	49	21.75	21.97	21.69	
20	16QAM	1	99	21.68	21.82	21.64	21.5
20	16QAM	50	0	20.75	20.88	20.78	
20	16QAM	50	24	20.69	20.83	20.64	
20	16QAM	50	50	20.63	20.75	20.55	
20	16QAM	100	0	20.55	20.69	20.43	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.53	22.58	22.51	23.5
15	QPSK	1	37	22.47	22.49	22.53	
15	QPSK	1	74	22.39	22.41	22.47	
15	QPSK	36	0	21.73	21.90	21.84	22.5
15	QPSK	36	20	21.71	21.83	21.74	
15	QPSK	36	39	21.61	21.84	21.68	
15	QPSK	75	0	21.55	21.77	21.59	22.5
15	16QAM	1	0	21.83	21.99	21.75	
15	16QAM	1	37	21.68	21.93	21.65	
15	16QAM	1	74	21.59	21.75	21.57	21.5
15	16QAM	36	0	20.69	20.83	20.68	
15	16QAM	36	20	20.64	20.79	20.60	
15	16QAM	36	39	20.53	20.68	20.48	
15	16QAM	75	0	20.46	20.61	20.34	
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	
10	QPSK	1	0	22.56	22.60	22.51	23.5
10	QPSK	1	25	22.52	22.50	22.49	
10	QPSK	1	49	22.33	22.43	22.50	
10	QPSK	25	0	21.71	21.87	21.88	22.5
10	QPSK	25	12	21.69	21.86	21.74	
10	QPSK	25	25	21.60	21.79	21.67	
10	QPSK	50	0	21.51	21.74	21.56	22.5
10	16QAM	1	0	21.77	21.95	21.77	
10	16QAM	1	25	21.71	21.92	21.65	
10	16QAM	1	49	21.59	21.76	21.57	21.5
10	16QAM	25	0	20.65	20.82	20.73	
10	16QAM	25	12	20.58	20.76	20.57	
10	16QAM	25	25	20.57	20.68	20.51	
10	16QAM	50	0	20.44	20.65	20.35	
Channel				133147	133247	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	22.58	22.64	22.55	23.5
5	QPSK	1	12	22.46	22.48	22.51	
5	QPSK	1	24	22.34	22.42	22.46	
5	QPSK	12	0	21.74	21.92	21.85	22.5
5	QPSK	12	7	21.71	21.82	21.78	
5	QPSK	12	13	21.61	21.80	21.69	
5	QPSK	25	0	21.55	21.79	21.55	22.5
5	16QAM	1	0	21.81	21.99	21.76	
5	16QAM	1	12	21.67	21.90	21.62	
5	16QAM	1	24	21.61	21.78	21.55	21.5
5	16QAM	12	0	20.68	20.79	20.71	
5	16QAM	12	7	20.64	20.72	20.56	
5	16QAM	12	13	20.58	20.66	20.44	
5	16QAM	25	0	20.46	20.64	20.33	

Band 41 (2496~2690MHz) (dBm)(PC3)										
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)	
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.36	23.42	23.43	23.41	23.32	24	
20	QPSK	1	49	23.30	23.28	23.34	23.26	23.30		
20	QPSK	1	99	23.28	23.19	23.29	23.19	23.21		
20	QPSK	50	0	22.67	22.61	22.65	22.66	22.59		
20	QPSK	50	24	22.63	22.48	22.58	22.55	22.44		
20	QPSK	50	50	22.55	22.38	22.45	22.46	22.37	23	
20	QPSK	100	0	22.50	22.23	22.51	22.43	22.37		
20	16QAM	1	0	22.73	22.50	22.64	22.68	22.56		
20	16QAM	1	49	22.61	22.43	22.51	22.63	22.44		
20	16QAM	1	99	22.51	22.34	22.37	22.59	22.30		
20	16QAM	50	0	21.61	21.52	21.45	21.75	21.38	22	
20	16QAM	50	24	21.52	21.44	21.39	21.69	21.35		
20	16QAM	50	50	21.39	21.29	21.37	21.55	21.25		
20	16QAM	100	0	21.26	21.26	21.24	21.41	21.15		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.25	23.32	23.32	23.36	23.22	24	
15	QPSK	1	37	23.21	23.25	23.24	23.16	23.26		
15	QPSK	1	74	23.19	23.12	23.14	23.13	23.14		
15	QPSK	36	0	22.64	22.57	22.54	22.61	22.48		
15	QPSK	36	20	22.56	22.43	22.51	22.45	22.34		
15	QPSK	36	39	22.44	22.30	22.38	22.42	22.32	23	
15	QPSK	75	0	22.40	22.17	22.29	22.39	22.29		
15	16QAM	1	0	22.68	22.46	22.55	22.60	22.48		
15	16QAM	1	37	22.52	22.32	22.45	22.57	22.35		
15	16QAM	1	74	22.45	22.30	22.29	22.56	22.27		
15	16QAM	36	0	21.55	21.45	21.34	21.64	21.34	22	
15	16QAM	36	20	21.48	21.36	21.29	21.63	21.28		
15	16QAM	36	39	21.29	21.22	21.33	21.51	21.22		
15	16QAM	75	0	21.22	21.16	21.14	21.37	21.10		
Channel				39700	40160	40620	41060	41540	Tune-up limit (dBm)	
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.23	23.29	23.36	23.29	23.21	24	
10	QPSK	1	25	23.17	23.17	23.20	23.19	23.22		
10	QPSK	1	49	23.16	23.08	23.10	23.07	23.10		
10	QPSK	25	0	22.58	22.49	22.51	22.54	22.48		
10	QPSK	25	12	22.52	22.37	22.50	22.48	22.34		
10	QPSK	25	25	22.49	22.27	22.39	22.34	22.24	23	
10	QPSK	50	0	22.37	22.17	22.30	22.30	22.21		
10	16QAM	1	0	22.66	22.39	22.55	22.57	22.49		
10	16QAM	1	25	22.51	22.35	22.43	22.50	22.31		
10	16QAM	1	49	22.42	22.27	22.25	22.53	22.18		
10	16QAM	25	0	21.48	21.46	21.36	21.65	21.24	22	
10	16QAM	25	12	21.45	21.37	21.27	21.62	21.27		
10	16QAM	25	25	21.32	21.17	21.28	21.45	21.17		
10	16QAM	50	0	21.12	21.15	21.12	21.30	21.08		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.29	23.32	23.36	23.34	23.24	24	
5	QPSK	1	12	23.25	23.22	23.28	23.17	23.22		
5	QPSK	1	24	23.22	23.13	23.16	23.15	23.15		
5	QPSK	12	0	22.58	22.50	22.57	22.56	22.51		
5	QPSK	12	7	22.53	22.39	22.54	22.49	22.37		
5	QPSK	12	13	22.45	22.28	22.40	22.37	22.30	23	
5	QPSK	25	0	22.41	22.14	22.32	22.35	22.27		
5	16QAM	1	0	22.69	22.40	22.58	22.60	22.46		
5	16QAM	1	12	22.54	22.38	22.44	22.58	22.37		
5	16QAM	1	24	22.45	22.28	22.32	22.55	22.25		
5	16QAM	12	0	21.52	21.47	21.35	21.67	21.31	22	
5	16QAM	12	7	21.42	21.35	21.32	21.62	21.31		
5	16QAM	12	13	21.32	21.21	21.29	21.46	21.18		
5	16QAM	25	0	21.15	21.21	21.14	21.33	21.06		

Band 41 (2496~2690MHz) (dBm)(PC2)										
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel		Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	26.10	26.08	26.17	26.09	26.15	27	
20	QPSK	1	49	26.07	25.94	26.08	25.99	26.06		
20	QPSK	1	99	25.94	25.86	26.03	25.94	25.96		
20	QPSK	50	0	25.31	25.21	25.43	25.33	25.40		
20	QPSK	50	24	25.27	25.12	25.33	25.19	25.37		
20	QPSK	50	50	25.24	25.09	25.21	25.15	25.31	26	
20	QPSK	100	0	25.11	25.06	25.25	25.02	25.22		
20	16QAM	1	0	25.38	25.28	25.33	25.29	25.43		
20	16QAM	1	49	25.33	25.21	25.20	25.19	25.28		
20	16QAM	1	99	25.29	25.10	25.05	25.07	25.16		
20	16QAM	50	0	24.46	24.24	24.19	24.17	24.23	25	
20	16QAM	50	24	24.41	24.21	24.06	24.12	24.20		
20	16QAM	50	50	24.33	24.09	23.92	24.03	24.12		
20	16QAM	100	0	24.24	23.94	23.80	23.99	24.09		
Channel				39725	40173	40620	41068	41515		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	26.00	25.99	26.03	26.02	26.08	27	
15	QPSK	1	37	25.93	25.86	25.96	25.88	25.97		
15	QPSK	1	74	25.81	25.79	25.93	25.81	25.85		
15	QPSK	36	0	25.19	25.14	25.37	25.20	25.32		
15	QPSK	36	20	25.17	25.02	25.25	25.09	25.31		
15	QPSK	36	39	25.17	25.03	25.12	25.04	25.18	26	
15	QPSK	75	0	25.01	24.98	24.99	24.96	25.13		
15	16QAM	1	0	25.28	25.16	25.26	25.17	25.34		
15	16QAM	1	37	25.23	25.11	25.11	25.09	25.16		
15	16QAM	1	74	25.21	25.03	24.96	24.98	25.02		
15	16QAM	36	0	24.39	24.18	24.06	24.09	24.16	25	
15	16QAM	36	20	24.31	24.11	23.92	24.04	24.06		
15	16QAM	36	39	24.23	23.99	23.78	23.90	24.04		
15	16QAM	75	0	24.15	23.80	23.66	23.91	24.02		
Channel				39700	40160	40620	41080	41540		
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	26.01	26.03	26.10	26.03	26.07	27	
10	QPSK	1	25	25.96	25.88	26.04	25.93	25.96		
10	QPSK	1	49	25.91	25.81	25.97	25.85	25.90		
10	QPSK	25	0	25.25	25.16	25.33	25.29	25.35		
10	QPSK	25	12	25.17	25.09	25.23	25.12	25.28		
10	QPSK	25	25	25.17	25.00	25.16	25.12	25.21	26	
10	QPSK	50	0	25.08	24.96	25.06	24.99	25.15		
10	16QAM	1	0	25.27	25.24	25.26	25.19	25.38		
10	16QAM	1	25	25.25	25.10	25.10	25.11	25.23		
10	16QAM	1	49	25.20	24.99	24.95	24.97	25.11		
10	16QAM	25	0	24.38	24.15	24.15	24.11	24.16	25	
10	16QAM	25	12	24.32	24.11	24.02	24.01	24.15		
10	16QAM	25	25	24.26	24.03	23.87	23.93	24.03		
10	16QAM	50	0	24.18	23.83	23.76	23.92	24.04		
Channel				39675	40148	40620	41093	41565		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	26.06	25.98	26.14	26.00	26.06	27	
5	QPSK	1	12	26.00	25.89	26.01	25.94	26.02		
5	QPSK	1	24	25.83	25.78	25.98	25.91	25.88		
5	QPSK	12	0	25.22	25.11	25.35	25.28	25.35		
5	QPSK	12	7	25.20	25.05	25.24	25.11	25.29		
5	QPSK	12	13	25.19	24.99	25.12	25.09	25.23	26	
5	QPSK	25	0	25.05	24.98	25.04	24.98	25.12		
5	16QAM	1	0	25.28	25.19	25.23	25.23	25.33		
5	16QAM	1	12	25.28	25.11	25.09	25.12	25.24		
5	16QAM	1	24	25.22	25.02	24.97	24.98	25.10		
5	16QAM	12	0	24.37	24.24	24.13	24.09	24.16	25	
5	16QAM	12	7	24.32	24.11	24.02	24.08	24.13		
5	16QAM	12	13	24.25	24.06	23.96	23.95	24.07		
5	16QAM	25	0	24.20	23.87	23.75	23.92	24.04		

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	17.24	17.50	17.50
		CH 6	2437	17.90	18.50	17.50
		CH 11	2462	17.50	18.00	17.50
	802.11g 9Mbps	CH 1	2412	17.06	17.50	17.50
		CH 6	2437	17.56	18.00	17.50
		CH 11	2462	17.34	18.00	17.50
	802.11n-HT20 MCS0	CH 1	2412	15.88	16.50	16.00
		CH 6	2437	16.38	16.50	16.00
		CH 11	2462	16.13	16.50	16.00

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	15.75	16.00	16.00
		CH 44	5220	15.64	16.00	16.00
		CH 48	5240	15.46	16.00	16.00
	802.11n-HT20 MCS0	CH 36	5180	15.64	16.00	16.00
		CH 44	5220	15.81	16.00	16.00
		CH 48	5240	15.50	16.00	16.00
	802.11n-HT40 MCS0	CH 36	5190	14.18	14.50	14.50
		CH 48	5230	14.14	14.50	14.50
		CH 39	5180	14.15	14.50	14.50
	802.11ac-VHT20 MCS0	CH 44	5220	14.33	14.50	14.50
		CH 48	5240	13.94	14.50	14.50
		CH 38	5190	12.22	12.50	12.50
	802.11ac-VHT40 MCS0	CH 48	5230	12.07	12.50	12.50
		CH 42	5210	11.72	12.00	12.00

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	15.97	16.00	16.00
		CH 60	5300	15.47	16.00	16.00
		CH 64	5320	15.14	15.50	15.10
	802.11n-HT20 MCS0	CH 52	5260	15.51	16.00	16.00
		CH 60	5300	15.50	16.00	16.00
		CH 64	5320	14.38	15.00	16.00
	802.11n-HT40 MCS0	CH 54	5270	13.82	14.50	14.50
		CH 62	5310	13.83	14.50	14.50
		CH 52	5280	14.16	14.50	14.50
	802.11ac-VHT20 MCS0	CH 60	5300	13.95	14.50	14.50
		CH 64	5320	13.65	14.50	14.50
		CH 54	5270	11.84	12.50	12.50
	802.11ac-VHT40 MCS0	CH 62	5310	11.78	12.50	12.50
		CH 58	5290	11.42	12.00	12.00

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	5600	15.84	16.00	16.00
		CH 116	5680	15.26	15.50	16.00
		CH 120	5600	15.54	16.00	16.00
		CH 144	5720	15.57	16.00	16.00
	802.11n-HT20 MCS0	CH 100	5600	15.56	16.00	16.00
		CH 116	5680	15.29	15.50	16.00
		CH 120	5600	15.59	16.00	16.00
		CH 144	5720	15.35	15.50	16.00
	802.11n-HT40 MCS0	CH 102	5610	14.19	14.50	14.50
		CH 110	5650	14.46	15.00	14.50
		CH 126	5630	14.71	15.00	14.50
		CH 142	5710	14.46	15.00	14.50
	802.11ac-VHT20 MCS0	CH 100	5600	14.48	15.00	14.50
		CH 116	5680	14.40	15.00	14.50
		CH 120	5600	14.71	15.00	14.50
		CH 144	5720	14.40	15.00	14.50
	802.11ac-VHT40 MCS0	CH 102	5610	12.21	12.50	12.50
		CH 110	5650	12.50	13.00	12.50
		CH 126	5630	12.74	13.00	12.50
		CH 142	5710	12.49	13.00	12.50
	802.11ac-VHT80 MCS0	CH 106	5630	11.92	12.50	12.00
		CH 122	5610	12.17	12.50	12.00
	802.11ac-VHT80 MCS0	CH 138	5660	11.91	12.50	12.00

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	15.74	16.00	16.00
		CH 157	5785	15.89	16.50	16.00
		CH 165	5825	15.26	15.50	16.00
	802.11n-HT20 MCS0	CH 149	5745	15.12	15.50	16.00
		CH 157	5785	15.01	15.50	16.00
		CH 165	5825	15.25	15.50	16.00
	802.11n-HT40 MCS0	CH 151	5755	14.38	14.50	14.50
		CH 159	5795	13.99	14.50	14.50
		CH 149	5745	14.20	14.50	14.50
	802.11ac-VHT20 MCS0	CH 157	5785	14.17	14.50	14.50
		CH 165	5825	14.34	15.00	14.50
		CH 151	5755	12.41	13.00	12.50
	802.11ac-VHT40 MCS0	CH 159	5795	11.99	12.50	12.50
		CH 155	5775	11.68	12.00	12.00

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 50	2402	9.97	7.33	7.19
	CH 19	2441	8.92	6.38	6.23
	CH 78	2480	9.14	6.21	6.31
	Tune-up Limit		10.5	7.5	7.5
Duty Cycle %			77.07	77.13	77.13
power level setting			default	default	default

Mode	Channel	Frequency (MHz)	Average power (dBm)	
				GFSK
LE	CH 50	2402		-5.70
	CH 19	2440		-4.84
	CH 39	2480		-5.43
Tune-up Limit				0
Duty Cycle %				61.9
power level setting				default

Reduced Power

GSM850		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel		128	189	251		128	189	251		
Frequency (MHz)		824.2	836.4	848.8		824.2	836.4	848.8		
GSM 1 Tx slot		28.04	28.10	28.01	29.00	19.04	19.10	19.01	20.00	0.14
GPRS 1 Tx slot		27.99	28.03	27.96	29.00	18.99	19.03	18.96	20.00	
GPRS 2 Tx slots		27.19	27.27	27.18	28.00	21.19	21.27	21.18	22.00	0.09
GPRS 3 Tx slots		25.51	25.59	25.47	26.00	21.25	21.33	21.21	21.74	0.12
GPRS 4 Tx slots		23.07	23.11	23.08	24.00	20.07	20.11	20.08	21.00	0.04
EDGE 1 Tx slot		22.49	22.60	22.45	23.00	13.49	13.60	13.45	14.00	0.15
EDGE 2 Tx slots		21.23	21.35	21.25	22.00	15.23	15.35	15.25	16.00	0.12
EDGE 3 Tx slots		19.13	19.27	19.25	20.00	14.87	15.01	14.99	15.74	0.14
EDGE 4 Tx slots		17.14	17.17	17.02	18.00	14.14	14.17	14.02	15.00	0.15
Mode			Max.	28.10			Max.	21.33		
Attenuator										

Cable Loss : 0.6

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
TX Channel		512	661	810		512	661	810		
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8		
GSM 1 Tx slot		18.08	18.13	18.07	19.00	9.08	9.13	9.07	10.00	0.20
GPRS 1 Tx slot		17.93	18.08	18.03	19.00	8.93	9.08	9.03	10.00	
GPRS 2 Tx slots		17.26	17.28	17.21	18.00	11.26	11.28	11.21	12.00	0.07
GPRS 3 Tx slots		15.54	15.57	15.50	17.00	11.28	11.31	11.24	12.74	0.07
GPRS 4 Tx slots		14.60	14.62	14.55	16.00	11.60	11.62	11.55	13.00	0.07
EDGE 1 Tx slot		13.67	13.70	13.66	15.00	4.67	4.70	4.66	6.00	0.04
EDGE 2 Tx slots		12.78	12.80	12.75	14.00	6.78	6.80	6.75	8.00	0.05
EDGE 3 Tx slots		10.84	10.96	10.86	13.00	6.58	6.70	6.60	8.74	0.12
EDGE 4 Tx slots		9.68	9.71	9.64	12.00	6.68	6.71	6.64	9.00	0.07
Mode			Max.	18.13			Max.	11.62		
Attenuator										

Cable Loss : 0.8

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	14.80	14.82	14.75	15.50	13.77	13.82	13.79	14.50	18.11	18.17	18.13	19.00
3GPP Rel 5	HSDPA Subtest-1	14.10	14.04	14.13	14.50	13.15	13.17	13.12	13.50	16.99	16.93	17.04	17.50
3GPP Rel 5	HSDPA Subtest-2	14.11	14.06	14.09	14.50	13.15	13.16	13.09	13.50	16.90	16.90	16.98	17.50
3GPP Rel 5	HSDPA Subtest-3	13.59	13.51	13.62	14.00	12.67	12.65	12.65	13.00	16.44	16.48	16.52	17.00
3GPP Rel 5	HSDPA Subtest-4	13.58	13.49	13.56	14.00	12.62	12.66	12.64	13.00	16.40	16.45	16.52	17.00
3GPP Rel 6	HSUPA Subtest-1	14.13	13.57	13.49	14.50	12.63	12.67	12.64	13.00	16.46	16.44	16.50	16.50
3GPP Rel 6	HSUPA Subtest-2	14.10	14.08	13.97	14.50	13.17	13.15	13.10	13.50	16.91	16.89	17.04	17.50
3GPP Rel 6	HSUPA Subtest-3	13.12	13.05	12.99	13.50	12.16	12.18	12.13	12.50	15.94	15.97	16.01	16.50
3GPP Rel 6	HSUPA Subtest-4	14.11	14.04	13.96	14.50	13.12	13.16	13.11	13.50	16.88	16.92	16.97	17.50
3GPP Rel 6	HSUPA Subtest-5	13.08	13.06	12.97	13.50	12.10	12.17	12.13	12.50	15.93	15.94	16.00	16.50
Attenuator			Cable Loss	0.8			Cable Loss	0.8			Cable Loss	0.6	

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	15
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	13.94	14.00	13.97	15
20	QPSK	1	49	13.88	13.85	13.85	
20	QPSK	1	99	13.80	13.77	13.78	
20	QPSK	50	0	13.27	13.28	13.25	
20	QPSK	50	24	13.18	13.00	13.11	14
20	QPSK	50	50	13.07	12.88	13.05	
20	QPSK	100	0	12.98	13.02	12.91	
20	16QAM	1	0	13.25	13.09	13.18	
20	16QAM	1	49	13.19	13.01	13.11	14
20	16QAM	1	99	13.15	12.88	13.00	
20	16QAM	50	0	12.21	12.00	12.16	
20	16QAM	50	24	12.15	11.93	12.03	
20	16QAM	50	50	12.05	11.84	11.88	13
20	16QAM	100	0	12.02	11.80	11.76	
Channel				18675	18900	19125	15
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	13.91	13.92	13.90	15
15	QPSK	1	37	13.80	13.75	13.80	
15	QPSK	1	74	13.74	13.71	13.74	
15	QPSK	36	0	13.18	13.23	13.14	
15	QPSK	36	20	13.14	12.96	13.04	14
15	QPSK	36	39	13.02	12.84	12.95	
15	QPSK	75	0	12.93	12.98	12.84	
15	16QAM	1	0	13.20	13.01	13.11	
15	16QAM	1	37	13.08	12.93	13.03	14
15	16QAM	1	74	13.06	12.83	12.96	
15	16QAM	36	0	12.17	11.93	12.09	
15	16QAM	36	20	12.12	11.89	11.96	
15	16QAM	36	39	12.00	11.80	11.80	13
15	16QAM	75	0	11.98	11.75	11.66	
Channel				18650	18900	19150	15
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	13.88	13.88	13.87	15
10	QPSK	1	25	13.70	13.69	13.71	
10	QPSK	1	49	13.69	13.61	13.65	
10	QPSK	25	0	13.13	13.14	13.11	
10	QPSK	25	12	13.04	12.90	12.95	14
10	QPSK	25	25	12.97	12.74	12.85	
10	QPSK	50	0	12.87	12.92	12.78	
10	16QAM	1	0	13.13	12.92	13.08	
10	16QAM	1	25	12.97	12.85	12.95	14
10	16QAM	1	49	12.99	12.77	12.91	
10	16QAM	25	0	12.08	11.88	12.00	
10	16QAM	25	12	12.04	11.80	11.88	
10	16QAM	25	25	11.95	11.75	11.76	13
10	16QAM	50	0	11.93	11.70	11.62	
Channel				18625	18900	19175	15
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	13.83	13.81	13.82	15
5	QPSK	1	12	13.71	13.65	13.71	
5	QPSK	1	24	13.65	13.61	13.63	
5	QPSK	12	0	13.10	13.14	13.06	
5	QPSK	12	7	13.05	12.88	12.93	14
5	QPSK	12	13	12.92	12.79	12.90	
5	QPSK	25	0	12.87	12.91	12.78	
5	16QAM	1	0	13.17	12.91	13.08	
5	16QAM	1	12	13.01	12.86	12.92	14
5	16QAM	1	24	12.98	12.72	12.89	
5	16QAM	12	0	12.08	11.89	12.02	
5	16QAM	12	7	12.03	11.82	11.90	
5	16QAM	12	13	11.95	11.73	11.76	13
5	16QAM	25	0	11.88	11.66	11.60	
Channel				18615	18900	19185	15
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	13.87	13.84	13.84	15
3	QPSK	1	8	13.76	13.64	13.75	
3	QPSK	1	14	13.66	13.68	13.68	
3	QPSK	8	0	13.11	13.15	13.08	
3	QPSK	8	4	13.10	12.92	12.96	14
3	QPSK	8	7	12.96	12.79	12.84	
3	QPSK	15	0	12.83	12.94	12.78	
3	16QAM	1	0	13.10	12.94	13.03	
3	16QAM	1	8	12.98	12.87	12.96	14
3	16QAM	1	14	13.01	12.74	12.91	
3	16QAM	8	0	12.10	11.83	11.98	
3	16QAM	8	4	12.06	11.85	11.94	
3	16QAM	8	7	11.95	11.70	11.73	13
3	16QAM	15	0	11.88	11.66	11.62	
Channel				18607	18900	19193	15
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	13.84	13.84	13.81	15
1.4	QPSK	1	3	13.69	13.68	13.74	
1.4	QPSK	1	5	13.66	13.66	13.65	
1.4	QPSK	3	0	13.08	13.13	13.06	
1.4	QPSK	3	1	13.10	12.86	12.96	14
1.4	QPSK	3	3	12.97	12.80	12.86	
1.4	QPSK	6	0	12.82	12.93	12.80	
1.4	16QAM	1	0	13.13	12.94	13.03	
1.4	16QAM	1	3	12.99	12.89	12.97	14
1.4	16QAM	1	5	12.95	12.74	12.90	
1.4	16QAM	3	0	12.13	11.86	12.00	
1.4	16QAM	3	1	12.07	11.83	11.94	
1.4	16QAM	3	3	11.96	11.71	11.73	13
1.4	16QAM	6	0	11.90	11.70	11.59	

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	14.5
20	QPSK	1	0	13.35	13.40	13.32	
20	QPSK	1	49	13.25	13.37	13.24	
20	QPSK	1	99	13.10	13.31	13.15	
20	QPSK	50	0	12.55	12.67	12.53	
20	QPSK	50	24	12.50	12.56	12.46	13.5
20	QPSK	50	50	12.40	12.50	12.32	
20	QPSK	100	0	12.39	12.44	12.32	
20	16QAM	1	0	12.52	12.64	12.45	13.5
20	16QAM	1	49	12.45	12.54	12.34	
20	16QAM	1	99	12.41	12.48	12.27	
20	16QAM	50	0	11.53	11.61	11.38	
20	16QAM	50	24	11.42	11.49	11.30	12.5
20	16QAM	50	50	11.32	11.39	11.23	
20	16QAM	100	0	11.29	11.29	11.10	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	13.32	13.35	13.28	14.5
15	QPSK	1	37	13.18	13.30	13.20	
15	QPSK	1	74	13.01	13.22	13.11	
15	QPSK	36	0	12.46	12.62	12.46	
15	QPSK	36	20	12.42	12.52	12.39	13.5
15	QPSK	36	39	12.32	12.46	12.21	
15	QPSK	75	0	12.36	12.39	12.24	
15	16QAM	1	0	12.42	12.54	12.37	13.5
15	16QAM	1	37	12.41	12.49	12.30	
15	16QAM	1	74	12.35	12.38	12.19	
15	16QAM	36	0	11.45	11.52	11.28	
15	16QAM	36	20	11.34	11.43	11.19	12.5
15	16QAM	36	39	11.23	11.35	11.13	
15	16QAM	75	0	11.20	11.23	11.01	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	13.25	13.32	13.24	14.5
10	QPSK	1	25	13.15	13.29	13.13	
10	QPSK	1	49	13.03	13.22	13.11	
10	QPSK	25	0	12.47	12.61	12.45	
10	QPSK	25	12	12.46	12.51	12.41	13.5
10	QPSK	25	25	12.32	12.46	12.25	
10	QPSK	50	0	12.32	12.33	12.28	
10	16QAM	1	0	12.42	12.58	12.38	13.5
10	16QAM	1	25	12.35	12.49	12.26	
10	16QAM	1	49	12.32	12.40	12.20	
10	16QAM	25	0	11.45	11.54	11.27	
10	16QAM	25	12	11.37	11.41	11.24	12.5
10	16QAM	25	25	11.23	11.31	11.19	
10	16QAM	50	0	11.24	11.21	11.03	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	13.31	13.35	13.26	14.5
5	QPSK	1	12	13.21	13.33	13.16	
5	QPSK	1	24	13.03	13.23	13.06	
5	QPSK	12	0	12.44	12.63	12.48	
5	QPSK	12	7	12.45	12.51	12.40	13.5
5	QPSK	12	13	12.36	12.40	12.23	
5	QPSK	25	0	12.32	12.40	12.28	
5	16QAM	1	0	12.42	12.61	12.42	13.5
5	16QAM	1	12	12.39	12.46	12.25	
5	16QAM	1	24	12.37	12.39	12.16	
5	16QAM	12	0	11.48	11.51	11.30	
5	16QAM	12	7	11.34	11.42	11.20	12.5
5	16QAM	12	13	11.26	11.35	11.15	
5	16QAM	25	0	11.22	11.21	11.05	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	13.26	13.37	13.25	14.5
3	QPSK	1	8	13.18	13.30	13.17	
3	QPSK	1	14	13.01	13.28	13.11	
3	QPSK	8	0	12.51	12.64	12.46	
3	QPSK	8	4	12.44	12.47	12.37	13.5
3	QPSK	8	7	12.32	12.44	12.27	
3	QPSK	15	0	12.32	12.39	12.28	
3	16QAM	1	0	12.47	12.55	12.38	13.5
3	16QAM	1	8	12.42	12.51	12.24	
3	16QAM	1	14	12.33	12.44	12.19	
3	16QAM	8	0	11.44	11.55	11.28	
3	16QAM	8	4	11.37	11.41	11.24	12.5
3	16QAM	8	7	11.22	11.33	11.17	
3	16QAM	15	0	11.18	11.20	11.05	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	13.28	13.30	13.28	14.5
1.4	QPSK	1	3	13.16	13.31	13.15	
1.4	QPSK	1	5	13.03	13.22	13.10	
1.4	QPSK	3	0	12.50	12.58	12.48	
1.4	QPSK	3	1	12.46	12.51	12.37	
1.4	QPSK	3	3	12.32	12.46	12.28	
1.4	QPSK	6	0	12.31	12.36	12.28	13.5
1.4	16QAM	1	0	12.49	12.59	12.38	
1.4	16QAM	1	3	12.35	12.48	12.27	13.5
1.4	16QAM	1	5	12.37	12.42	12.19	
1.4	16QAM	3	0	11.47	11.53	11.28	
1.4	16QAM	3	1	11.38	11.39	11.24	
1.4	16QAM	3	3	11.21	11.33	11.16	
1.4	16QAM	6	0	11.18	11.20	11.02	

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	18
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	16.98	17.03	16.96	18
10	QPSK	1	25	16.87	16.98	16.84	
10	QPSK	1	49	16.85	16.88	16.74	
10	QPSK	25	0	16.29	16.33	16.16	
10	QPSK	25	12	16.15	16.21	16.07	
10	QPSK	25	25	16.01	16.13	15.93	17
10	QPSK	50	0	15.89	16.05	15.82	
10	16QAM	1	0	16.12	16.31	16.05	
10	16QAM	1	25	16.04	16.21	15.96	
10	16QAM	1	49	15.98	16.17	15.83	
10	16QAM	25	0	15.13	15.26	14.95	16
10	16QAM	25	12	14.99	15.19	14.88	
10	16QAM	25	25	14.94	15.12	14.79	
10	16QAM	50	0	14.89	15.06	14.73	
Channel				20425	20525	20625	18
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	16.94	16.96	16.91	18
5	QPSK	1	12	16.84	16.90	16.75	
5	QPSK	1	24	16.77	16.82	16.70	
5	QPSK	12	0	16.20	16.26	16.10	
5	QPSK	12	7	16.11	16.17	15.98	
5	QPSK	12	13	15.91	16.09	15.83	17
5	QPSK	25	0	15.85	16.01	15.74	
5	16QAM	1	0	16.07	16.23	15.96	
5	16QAM	1	12	15.95	16.15	15.91	
5	16QAM	1	24	15.93	16.07	15.75	
5	16QAM	12	0	15.08	15.16	14.84	16
5	16QAM	12	7	14.93	15.12	14.79	
5	16QAM	12	13	14.85	15.08	14.68	
5	16QAM	25	0	14.79	15.01	14.68	
Channel				20415	20525	20635	18
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	16.89	16.92	16.87	18
3	QPSK	1	8	16.76	16.91	16.81	
3	QPSK	1	14	16.76	16.81	16.63	
3	QPSK	8	0	16.23	16.27	16.13	
3	QPSK	8	4	16.09	16.13	16.01	
3	QPSK	8	7	15.91	16.03	15.88	17
3	QPSK	15	0	15.80	15.96	15.77	
3	16QAM	1	0	16.04	16.24	16.01	
3	16QAM	1	8	15.99	16.10	15.91	
3	16QAM	1	14	15.91	16.07	15.80	
3	16QAM	8	0	15.08	15.15	14.85	16
3	16QAM	8	4	14.89	15.14	14.82	
3	16QAM	8	7	14.87	15.01	14.76	
3	16QAM	15	0	14.85	15.00	14.65	
Channel				20407	20525	20643	18
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	16.92	16.97	16.87	18
1.4	QPSK	1	3	16.82	16.89	16.77	
1.4	QPSK	1	5	16.82	16.80	16.69	
1.4	QPSK	3	0	16.20	16.27	16.07	
1.4	QPSK	3	1	16.09	16.17	16.00	
1.4	QPSK	3	3	15.95	16.08	15.88	17
1.4	QPSK	6	0	15.80	16.01	15.75	
1.4	16QAM	1	0	16.02	16.25	16.01	
1.4	16QAM	1	3	15.93	16.15	15.90	
1.4	16QAM	1	5	15.95	16.07	15.75	
1.4	16QAM	3	0	15.03	15.18	14.88	16
1.4	16QAM	3	1	14.95	15.10	14.77	
1.4	16QAM	3	3	14.90	15.01	14.75	
1.4	16QAM	6	0	20.82	21.00	20.63	

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	20
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	18.95	18.98	18.96	20
10	QPSK	1	25	18.81	18.87	18.83	
10	QPSK	1	49	18.72	18.79	18.80	
10	QPSK	25	0	18.19	18.26	18.15	
10	QPSK	25	12	18.11	18.23	18.04	
10	QPSK	25	25	17.99	18.13	18.01	19
10	QPSK	50	0	17.95	18.10	17.94	
10	16QAM	1	0	18.18	18.31	18.20	
10	16QAM	1	25	18.15	18.25	18.13	
10	16QAM	1	49	18.05	18.16	18.06	
10	16QAM	25	0	17.23	17.24	17.13	18
10	16QAM	25	12	17.11	17.16	17.08	
10	16QAM	25	25	16.98	17.10	16.93	
10	16QAM	50	0	16.95	17.01	16.82	
Channel				23035	23095	23155	20
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	18.87	18.91	18.89	20
5	QPSK	1	12	18.71	18.82	18.74	
5	QPSK	1	24	18.64	18.71	18.76	
5	QPSK	12	0	18.12	18.23	18.04	
5	QPSK	12	7	18.03	18.16	17.97	
5	QPSK	12	13	17.90	18.04	17.90	19
5	QPSK	25	0	17.86	18.04	17.88	
5	16QAM	1	0	18.15	18.23	18.14	
5	16QAM	1	12	18.06	18.17	18.06	
5	16QAM	1	24	17.97	18.06	18.01	
5	16QAM	12	0	17.19	17.15	17.06	18
5	16QAM	12	7	17.05	17.10	16.97	
5	16QAM	12	13	16.87	16.99	16.89	
5	16QAM	25	0	16.88	16.93	16.72	
Channel				23025	23095	23165	20
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	18.89	18.88	18.86	20
3	QPSK	1	8	18.77	18.81	18.74	
3	QPSK	1	14	18.64	18.72	18.70	
3	QPSK	8	0	18.14	18.19	18.06	
3	QPSK	8	4	18.04	18.19	17.93	
3	QPSK	8	7	17.93	18.05	17.95	19
3	QPSK	15	0	17.91	18.02	17.88	
3	16QAM	1	0	18.08	18.22	18.09	
3	16QAM	1	8	18.07	18.17	18.04	
3	16QAM	1	14	17.97	18.06	17.98	
3	16QAM	8	0	17.19	17.16	17.10	18
3	16QAM	8	4	17.07	17.10	16.98	
3	16QAM	8	7	16.91	17.06	16.84	
3	16QAM	15	0	16.85	16.97	16.75	
Channel				23017	23095	23173	20
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	18.87	18.94	18.92	20
1.4	QPSK	1	3	18.77	18.81	18.75	
1.4	QPSK	1	5	18.66	18.76	18.73	
1.4	QPSK	3	0	18.10	18.21	18.11	
1.4	QPSK	3	1	18.07	18.16	17.95	
1.4	QPSK	3	3	17.96	18.08	17.95	19
1.4	QPSK	6	0	17.85	18.00	17.83	
1.4	16QAM	1	0	18.07	18.22	18.13	
1.4	16QAM	1	3	18.05	18.18	18.05	
1.4	16QAM	1	5	17.99	18.13	17.99	
1.4	16QAM	3	0	17.18	17.17	17.05	18
1.4	16QAM	3	1	17.06	17.09	17.03	
1.4	16QAM	3	3	16.90	17.06	16.85	
1.4	16QAM	6	0	16.85	16.97	16.73	

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	18.96	18.97	18.92	20
10	QPSK	1	25	18.85	18.94	18.81	
10	QPSK	1	49	18.72	18.83	18.69	
10	QPSK	25	0	18.16	18.22	18.05	
10	QPSK	25	12	18.09	18.07	17.96	19
10	QPSK	25	25	18.00	17.97	17.81	
10	QPSK	50	0	17.94	17.95	17.68	
10	16QAM	1	0	18.14	18.18	17.89	
10	16QAM	1	25	18.00	18.04	17.85	19
10	16QAM	1	49	17.87	17.90	17.72	
10	16QAM	25	0	17.04	17.03	16.90	
10	16QAM	25	12	16.92	16.89	16.80	
10	16QAM	25	25	16.77	16.74	16.78	18
10	16QAM	50	0	16.75	16.62	16.66	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	18.91	18.93	18.82	20
5	QPSK	1	12	18.75	18.85	18.74	
5	QPSK	1	24	18.61	18.74	18.60	
5	QPSK	12	0	18.11	18.12	18.01	
5	QPSK	12	7	18.04	18.01	17.86	19
5	QPSK	12	13	17.96	17.87	17.74	
5	QPSK	25	0	17.85	17.83	17.61	
5	16QAM	1	0	18.08	18.08	17.80	
5	16QAM	1	12	17.92	17.97	17.81	19
5	16QAM	1	24	17.78	17.86	17.65	
5	16QAM	12	0	17.01	16.93	16.82	
5	16QAM	12	7	16.82	16.83	16.72	
5	16QAM	12	13	16.67	16.70	16.71	18
5	16QAM	25	0	16.65	16.55	16.59	

Band 25 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	13.98	14.04	14.02	15
20	QPSK	1	49	13.85	13.90	13.93	
20	QPSK	1	99	13.77	13.85	13.85	
20	QPSK	50	0	13.24	13.30	13.28	
20	QPSK	50	24	13.09	13.16	13.13	14
20	QPSK	50	50	13.02	13.06	13.11	
20	QPSK	100	0	12.94	13.01	12.99	
20	16QAM	1	0	13.15	13.23	13.26	
20	16QAM	1	49	13.12	13.11	13.21	14
20	16QAM	1	99	13.05	13.02	13.09	
20	16QAM	50	0	12.22	12.08	12.18	
20	16QAM	50	24	12.15	12.05	12.08	
20	16QAM	50	50	12.04	11.97	11.95	13
20	16QAM	100	0	11.96	11.93	11.92	
Channel				26115	26365	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	13.94	14.01	13.97	15
15	QPSK	1	37	13.79	13.85	13.84	
15	QPSK	1	74	13.69	13.82	13.82	
15	QPSK	36	0	13.20	13.22	13.20	
15	QPSK	36	20	13.01	13.08	13.05	14
15	QPSK	36	39	12.95	12.99	13.01	
15	QPSK	75	0	12.91	12.93	12.96	
15	16QAM	1	0	13.10	13.19	13.17	
15	16QAM	1	37	13.02	13.04	13.15	14
15	16QAM	1	74	13.02	12.91	13.05	
15	16QAM	36	0	12.18	12.00	12.12	
15	16QAM	36	20	12.05	11.98	12.02	
15	16QAM	36	39	11.95	11.87	11.91	13
15	16QAM	75	0	11.92	11.83	11.83	
Channel				26090	26365	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	13.88	14.01	13.92	15
10	QPSK	1	25	13.78	13.83	13.82	
10	QPSK	1	49	13.72	13.77	13.77	
10	QPSK	25	0	13.14	13.26	13.19	
10	QPSK	25	12	13.02	13.12	13.05	14
10	QPSK	25	25	12.96	12.99	13.05	
10	QPSK	50	0	12.88	12.89	12.88	
10	16QAM	1	0	13.08	13.19	13.19	
10	16QAM	1	25	13.02	13.01	13.14	14
10	16QAM	1	49	12.96	12.92	13.00	
10	16QAM	25	0	12.12	12.05	12.11	
10	16QAM	25	12	12.07	11.95	12.03	
10	16QAM	25	25	11.98	11.87	11.89	13
10	16QAM	50	0	11.92	11.89	11.84	
Channel				26065	26365	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	13.92	14.00	13.97	15
5	QPSK	1	12	13.79	13.86	13.89	
5	QPSK	1	24	13.73	13.80	13.81	
5	QPSK	12	0	13.15	13.26	13.19	
5	QPSK	12	7	13.02	13.08	13.10	14
5	QPSK	12	13	12.92	13.02	13.04	
5	QPSK	25	0	12.86	12.90	12.92	
5	16QAM	1	0	13.10	13.15	13.19	
5	16QAM	1	12	13.01	13.00	13.18	14
5	16QAM	1	24	12.99	12.93	13.03	
5	16QAM	12	0	12.11	11.98	12.09	
5	16QAM	12	7	12.07	12.01	11.99	
5	16QAM	12	13	11.97	11.90	11.92	13
5	16QAM	25	0	11.88	11.83	11.81	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	22.43	22.44	22.44	15
3	QPSK	1	8	22.31	22.31	22.34	
3	QPSK	1	14	22.22	22.30	22.26	
3	QPSK	8	0	21.70	21.70	21.74	
3	QPSK	8	4	21.53	21.61	21.52	14
3	QPSK	8	7	21.45	21.51	21.53	
3	QPSK	15	0	21.38	21.39	21.42	
3	16QAM	1	0	21.56	21.63	21.65	
3	16QAM	1	8	21.56	21.53	21.64	14
3	16QAM	1	14	21.49	21.47	21.49	
3	16QAM	8	0	20.61	20.48	20.58	
3	16QAM	8	4	20.60	20.49	20.52	
3	16QAM	8	7	20.47	20.39	20.34	13
3	16QAM	15	0	20.35	20.32	20.33	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	13.94	13.94	13.97	15
1.4	QPSK	1	3	13.78	13.86	13.86	
1.4	QPSK	1	5	13.70	13.80	13.74	
1.4	QPSK	3	0	13.19	13.22	13.22	
1.4	QPSK	3	1	12.98	13.09	13.05	14
1.4	QPSK	3	3	12.99	12.96	13.03	
1.4	QPSK	6	0	12.88	12.90	12.88	
1.4	16QAM	1	0	13.05	13.19	13.19	
1.4	16QAM	1	3	13.05	13.00	13.12	13
1.4	16QAM	1	5	12.94	12.98	13.06	
1.4	16QAM	3	0	12.17	12.03	12.13	
1.4	16QAM	3	1	12.09	11.95	11.98	
1.4	16QAM	3	3	11.99	11.88	11.91	12
1.4	16QAM	6	0	11.91	11.88	11.83	

Band 26 for FCC (dBm) (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up lim (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	18.5
15	QPSK	1	0	17.50	17.51	17.49	
15	QPSK	1	37	17.46	17.37	17.46	
15	QPSK	1	74	17.38	17.35	17.33	
15	QPSK	36	0	16.83	16.84	16.69	
15	QPSK	36	20	16.75	16.69	16.65	17.5
15	QPSK	36	39	16.67	16.56	16.59	
15	QPSK	75	0	16.53	16.56	16.46	
15	16QAM	1	0	16.91	16.71	16.69	17.5
15	16QAM	1	37	16.81	16.68	16.60	
15	16QAM	1	74	16.68	16.63	16.47	
15	16QAM	36	0	15.77	15.71	15.60	16.5
15	16QAM	36	20	15.69	15.60	15.49	
15	16QAM	36	39	15.60	15.54	15.44	
15	16QAM	75	0	15.48	15.40	15.37	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	18.5
10	QPSK	1	0	17.43	17.45	17.39	
10	QPSK	1	25	17.37	17.33	17.38	
10	QPSK	1	49	17.32	17.25	17.29	
10	QPSK	25	0	16.73	16.76	16.63	
10	QPSK	25	12	16.67	16.60	16.55	17.5
10	QPSK	25	25	16.56	16.46	16.50	
10	QPSK	50	0	16.56	16.41	16.41	
10	16QAM	1	0	16.84	16.67	16.61	17.5
10	16QAM	1	25	16.73	16.63	16.52	
10	16QAM	1	49	16.58	16.53	16.44	
10	16QAM	25	0	15.69	15.66	15.56	
10	16QAM	25	12	15.60	15.50	15.38	
10	16QAM	25	25	15.55	15.48	15.40	16.5
10	16QAM	50	0	15.41	15.29	15.31	
Channel				26715	26865	27015	Tune-up lim (dBm)
Frequency (MHz)				816.5	831.5	846.5	18.5
5	QPSK	1	0	17.45	17.45	17.43	
5	QPSK	1	12	17.37	17.29	17.38	
5	QPSK	1	24	17.30	17.30	17.27	
5	QPSK	12	0	16.77	16.74	16.64	
5	QPSK	12	7	16.69	16.62	16.57	17.5
5	QPSK	12	13	16.61	16.46	16.53	
5	QPSK	25	0	16.53	16.38	16.36	
5	16QAM	1	0	16.88	16.64	16.61	17.5
5	16QAM	1	12	16.71	16.63	16.53	
5	16QAM	1	24	16.60	16.58	16.39	
5	16QAM	12	0	15.73	15.64	15.57	
5	16QAM	12	7	15.60	15.49	15.43	
5	16QAM	12	13	15.56	15.47	15.35	16.5
5	16QAM	25	0	15.41	15.34	15.29	
Channel				26705	26865	27025	Tune-up lim (dBm)
Frequency (MHz)				815.5	831.5	847.5	18.5
3	QPSK	1	0	17.43	17.40	17.45	
3	QPSK	1	8	17.42	17.28	17.43	
3	QPSK	1	14	17.31	17.31	17.25	
3	QPSK	8	0	16.74	16.72	16.64	
3	QPSK	8	4	16.71	16.60	16.60	17.5
3	QPSK	8	7	16.56	16.48	16.54	
3	QPSK	15	0	16.58	16.40	16.39	
3	16QAM	1	0	16.83	16.64	16.61	17.5
3	16QAM	1	8	16.78	16.58	16.56	
3	16QAM	1	14	16.63	16.54	16.38	
3	16QAM	8	0	15.68	15.66	15.53	
3	16QAM	8	4	15.59	15.53	15.42	
3	16QAM	8	7	15.51	15.48	15.41	16.5
3	16QAM	15	0	15.40	15.33	15.28	
Channel				26697	26865	27033	Tune-up lim (dBm)
Frequency (MHz)				814.7	831.5	848.3	18.5
1.4	QPSK	1	0	17.42	17.46	17.45	
1.4	QPSK	1	3	17.37	17.32	17.39	
1.4	QPSK	1	5	17.34	17.28	17.26	
1.4	QPSK	3	0	16.79	16.74	16.62	
1.4	QPSK	3	1	16.68	16.63	16.59	17.5
1.4	QPSK	3	3	16.63	16.48	16.53	
1.4	QPSK	6	0	16.53	16.36	16.42	
1.4	16QAM	1	0	16.86	16.63	16.64	17.5
1.4	16QAM	1	3	16.72	16.63	16.50	
1.4	16QAM	1	5	16.65	16.53	16.44	
1.4	16QAM	3	0	15.73	15.66	15.50	
1.4	16QAM	3	1	15.60	15.50	15.40	
1.4	16QAM	3	3	15.49	15.46	15.36	16.5
1.4	16QAM	6	0	15.40	15.35	15.32	

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	13.29	13.41	13.38	14.5
20	QPSK	1	49	13.18	13.31	13.33	
20	QPSK	1	99	13.04	13.20	13.19	
20	QPSK	50	0	12.47	12.67	12.56	
20	QPSK	50	24	12.41	12.52	12.43	13.5
20	QPSK	50	50	12.31	12.41	12.38	
20	QPSK	100	0	12.28	12.35	12.24	
20	16QAM	1	0	12.52	12.60	12.52	
20	16QAM	1	49	12.44	12.48	12.48	13.5
20	16QAM	1	99	12.40	12.42	12.39	
20	16QAM	50	0	11.50	11.51	11.57	
20	16QAM	50	24	11.47	11.43	11.54	
20	16QAM	50	50	11.41	11.33	11.47	12.5
20	16QAM	100	0	11.32	11.26	11.33	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	13.18	13.31	13.32	14.5
15	QPSK	1	37	13.08	13.23	13.27	
15	QPSK	1	74	13.00	13.16	13.09	
15	QPSK	36	0	12.38	12.62	12.52	
15	QPSK	36	20	12.38	12.47	12.37	13.5
15	QPSK	36	39	12.25	12.30	12.27	
15	QPSK	75	0	12.17	12.25	12.14	
15	16QAM	1	0	12.41	12.53	12.41	
15	16QAM	1	37	12.35	12.43	12.40	13.5
15	16QAM	1	74	12.29	12.37	12.35	
15	16QAM	36	0	11.40	11.45	11.50	
15	16QAM	36	20	11.40	11.36	11.48	
15	16QAM	36	39	11.37	11.27	11.40	12.5
15	16QAM	75	0	11.22	11.17	11.27	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	13.22	13.33	13.30	14.5
10	QPSK	1	25	13.14	13.26	13.22	
10	QPSK	1	49	13.00	13.14	13.08	
10	QPSK	25	0	12.37	12.64	12.46	
10	QPSK	25	12	12.35	12.46	12.37	13.5
10	QPSK	25	25	12.23	12.35	12.35	
10	QPSK	50	0	12.17	12.30	12.18	
10	16QAM	1	0	12.48	12.52	12.44	
10	16QAM	1	25	12.34	12.44	12.39	13.5
10	16QAM	1	49	12.33	12.33	12.30	
10	16QAM	25	0	11.40	11.43	11.52	
10	16QAM	25	12	11.39	11.34	11.50	
10	16QAM	25	25	11.38	11.30	11.43	12.5
10	16QAM	50	0	11.23	11.17	11.24	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	13.21	13.31	13.33	14.5
5	QPSK	1	12	13.13	13.27	13.24	
5	QPSK	1	24	12.94	13.11	13.11	
5	QPSK	12	0	12.36	12.56	12.53	
5	QPSK	12	7	12.34	12.47	12.38	13.5
5	QPSK	12	13	12.25	12.35	12.33	
5	QPSK	25	0	12.21	12.30	12.15	
5	16QAM	1	0	12.42	12.51	12.43	
5	16QAM	1	12	12.41	12.42	12.37	13.5
5	16QAM	1	24	12.33	12.35	12.30	
5	16QAM	12	0	11.45	11.47	11.54	
5	16QAM	12	7	11.41	11.35	11.47	
5	16QAM	12	13	11.31	11.22	11.43	12.5
5	16QAM	25	0	11.27	11.18	11.27	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	13.24	13.30	13.27	14.5
3	QPSK	1	8	13.13	13.25	13.29	
3	QPSK	1	14	12.98	13.17	13.10	
3	QPSK	8	0	12.42	12.62	12.52	
3	QPSK	8	4	12.38	12.47	12.32	13.5
3	QPSK	8	7	12.24	12.32	12.28	
3	QPSK	15	0	12.22	12.30	12.17	
3	16QAM	1	0	12.45	12.57	12.49	
3	16QAM	1	8	12.41	12.37	12.43	13.5
3	16QAM	1	14	12.34	12.32	12.32	
3	16QAM	8	0	11.44	11.41	11.50	
3	16QAM	8	4	11.40	11.39	11.51	
3	16QAM	8	7	11.37	11.29	11.42	12.5
3	16QAM	15	0	11.27	11.18	11.30	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	13.22	13.33	13.29	14.5
1.4	QPSK	1	3	13.13	13.23	13.27	
1.4	QPSK	1	5	13.00	13.13	13.11	
1.4	QPSK	3	0	12.40	12.59	12.51	
1.4	QPSK	3	1	12.36	12.42	12.38	13.5
1.4	QPSK	3	3	12.26	12.34	12.28	
1.4	QPSK	6	0	12.22	12.28	12.16	
1.4	16QAM	1	0	12.49	12.55	12.48	
1.4	16QAM	1	3	12.41	12.39	12.41	13.5
1.4	16QAM	1	5	12.30	12.37	12.36	
1.4	16QAM	3	0	11.43	11.45	11.46	
1.4	16QAM	3	1	11.44	11.36	11.45	
1.4	16QAM	3	3	11.30	11.27	11.36	12.5
1.4	16QAM	6	0	11.27	11.17	11.24	

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	19.13	19.17	19.10	20
20	QPSK	1	49	19.05	19.07	19.06	
20	QPSK	1	99	18.92	18.98	19.04	
20	QPSK	50	0	18.32	18.46	18.42	
20	QPSK	50	24	18.29	18.42	18.35	19
20	QPSK	50	50	18.21	18.37	18.24	
20	QPSK	100	0	18.10	18.33	18.13	
20	16QAM	1	0	18.37	18.53	18.34	
20	16QAM	1	49	18.25	18.47	18.19	19
20	16QAM	1	99	18.18	18.32	18.14	
20	16QAM	50	0	17.25	17.38	17.28	
20	16QAM	50	24	17.19	17.33	17.14	
20	16QAM	50	50	17.13	17.25	17.05	18
20	16QAM	100	0	17.05	17.19	16.93	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	19.03	19.08	19.01	20
15	QPSK	1	37	18.97	18.99	19.03	
15	QPSK	1	74	18.89	18.91	18.97	
15	QPSK	36	0	18.23	18.40	18.34	
15	QPSK	36	20	18.21	18.33	18.24	19
15	QPSK	36	39	18.11	18.34	18.18	
15	QPSK	75	0	18.05	18.27	18.09	
15	16QAM	1	0	18.33	18.49	18.25	
15	16QAM	1	37	18.18	18.43	18.15	19
15	16QAM	1	74	18.09	18.25	18.07	
15	16QAM	36	0	17.19	17.33	17.18	
15	16QAM	36	20	17.14	17.29	17.10	
15	16QAM	36	39	17.03	17.18	16.98	18
15	16QAM	75	0	16.96	17.11	16.84	
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	
10	QPSK	1	0	19.06	19.10	19.01	20
10	QPSK	1	25	19.02	19.00	18.99	
10	QPSK	1	49	18.83	18.93	19.00	
10	QPSK	25	0	18.21	18.37	18.38	
10	QPSK	25	12	18.19	18.36	18.24	19
10	QPSK	25	25	18.10	18.29	18.17	
10	QPSK	50	0	18.01	18.24	18.06	
10	16QAM	1	0	18.27	18.45	18.27	
10	16QAM	1	25	18.21	18.42	18.15	19
10	16QAM	1	49	18.09	18.26	18.07	
10	16QAM	25	0	17.15	17.32	17.23	
10	16QAM	25	12	17.08	17.26	17.07	
10	16QAM	25	25	17.07	17.18	17.01	18
10	16QAM	50	0	16.94	17.15	16.85	
Channel				133147	133247	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	19.08	19.14	19.05	20
5	QPSK	1	12	18.96	18.98	19.01	
5	QPSK	1	24	18.84	18.92	18.96	
5	QPSK	12	0	18.24	18.42	18.35	
5	QPSK	12	7	18.21	18.32	18.28	19
5	QPSK	12	13	18.11	18.30	18.19	
5	QPSK	25	0	18.05	18.29	18.05	
5	16QAM	1	0	18.31	18.49	18.26	
5	16QAM	1	12	18.17	18.40	18.12	19
5	16QAM	1	24	18.11	18.28	18.05	
5	16QAM	12	0	17.18	17.29	17.21	
5	16QAM	12	7	17.14	17.22	17.06	
5	16QAM	12	13	17.08	17.16	16.94	18
5	16QAM	25	0	16.96	17.14	16.83	

Band 41 (2496–2690MHz) (dBm)(PC3)											
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2505	2549.5	2593	2636.5	2680			
20	QPSK	1	0	16.36	16.42	16.43	16.41	16.32	17		
20	QPSK	1	49	16.30	16.28	16.34	16.26	16.30			
20	QPSK	1	99	16.28	16.19	16.29	16.19	16.21			
20	QPSK	50	0	15.67	15.61	15.65	15.66	15.59			
20	QPSK	50	24	15.63	15.48	15.58	15.46	15.44	16		
20	QPSK	50	50	15.55	15.38	15.45	15.46	15.37			
20	QPSK	100	0	15.50	15.23	15.51	15.43	15.34			
20	16QAM	1	0	15.73	15.50	15.64	15.68	15.56			
20	16QAM	1	49	15.61	15.43	15.51	15.63	15.44	16		
20	16QAM	1	99	15.51	15.34	15.37	15.59	15.30			
20	16QAM	50	0	14.61	14.52	14.45	14.75	14.38			
20	16QAM	50	24	14.52	14.44	14.39	14.69	14.35			
20	16QAM	50	50	14.39	14.29	14.37	14.55	14.25	15		
20	16QAM	100	0	14.26	14.26	14.24	14.41	14.15			
Channel				39725	40173	40620	41068	41515			
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	16.25	16.32	16.32	16.36	16.22	17		
15	QPSK	1	37	16.21	16.25	16.24	16.16	16.26			
15	QPSK	1	74	16.19	16.12	16.14	16.13	16.14			
15	QPSK	36	0	15.64	15.57	15.54	15.61	15.48			
15	QPSK	36	20	15.56	15.43	15.51	15.45	15.34	16		
15	QPSK	36	39	15.44	15.30	15.38	15.42	15.32			
15	QPSK	75	0	15.40	15.17	15.29	15.39	15.29			
15	16QAM	1	0	15.68	15.46	15.55	15.60	15.48			
15	16QAM	1	37	15.52	15.32	15.45	15.57	15.35	16		
15	16QAM	1	74	15.45	15.30	15.29	15.56	15.27			
15	16QAM	36	0	14.55	14.45	14.34	14.64	14.34			
15	16QAM	36	20	14.48	14.36	14.29	14.63	14.28			
15	16QAM	36	39	14.29	14.22	14.33	14.51	14.22	15		
15	16QAM	75	0	14.22	14.16	14.14	14.37	14.10			
Channel				39700	40160	40620	41080	41540			
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	16.23	16.29	16.36	16.29	16.21	17		
10	QPSK	1	25	16.17	16.17	16.20	16.19	16.22			
10	QPSK	1	49	16.16	16.08	16.10	16.07	16.10			
10	QPSK	25	0	15.58	15.49	15.51	15.54	15.48			
10	QPSK	25	12	15.52	15.37	15.50	15.48	15.34	16		
10	QPSK	25	25	15.49	15.27	15.39	15.34	15.24			
10	QPSK	50	0	15.37	15.17	15.30	15.30	15.21			
10	16QAM	1	0	15.66	15.39	15.55	15.57	15.49			
10	16QAM	1	25	15.51	15.35	15.43	15.50	15.31	16		
10	16QAM	1	49	15.42	15.27	15.25	15.53	15.18			
10	16QAM	25	0	14.48	14.46	14.36	14.65	14.24			
10	16QAM	25	12	14.45	14.37	14.27	14.62	14.27			
10	16QAM	25	25	14.32	14.17	14.28	14.45	14.17	15		
10	16QAM	50	0	14.12	14.15	14.12	14.30	14.08			
Channel				39675	40148	40620	41093	41565			
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	16.29	16.32	16.36	16.34	16.24	17		
5	QPSK	1	12	16.25	16.22	16.28	16.17	16.22			
5	QPSK	1	24	16.22	16.13	16.16	16.15	16.15			
5	QPSK	12	0	15.58	15.50	15.57	15.56	15.51			
5	QPSK	12	7	15.53	15.39	15.54	15.49	15.37	16		
5	QPSK	12	13	15.45	15.28	15.40	15.37	15.30			
5	QPSK	25	0	15.41	15.14	15.32	15.35	15.27			
5	16QAM	1	0	15.69	15.40	15.58	15.60	15.46			
5	16QAM	1	12	15.54	15.38	15.44	15.58	15.37	16		
5	16QAM	1	24	15.45	15.28	15.32	15.55	15.25			
5	16QAM	12	0	14.52	14.47	14.35	14.67	14.31			
5	16QAM	12	7	14.42	14.35	14.32	14.62	14.31			
5	16QAM	12	13	14.32	14.21	14.29	14.46	14.18	15		
5	16QAM	25	0	14.15	14.21	14.14	14.33	14.06			

Band 41 (2496~2690MHz) (dBm)(PC2)											
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)		
Channel				39750	40185	40620	41055	41490			
Frequency (MHz)				2506	2549.5	2593	2636.5	2680			
20	QPSK	1	0	17.10	17.08	17.17	17.09	17.15	18		
20	QPSK	1	49	17.07	16.94	17.08	16.99	17.06			
20	QPSK	1	99	16.94	16.86	17.03	16.94	16.96			
20	QPSK	50	0	16.31	16.21	16.43	16.33	16.40			
20	QPSK	50	24	16.27	16.12	16.33	16.19	16.37	17		
20	QPSK	50	50	16.24	16.09	16.21	16.15	16.31			
20	QPSK	100	0	16.11	16.06	16.25	16.02	16.22			
20	16QAM	1	0	16.38	16.28	16.33	16.29	16.43			
20	16QAM	1	49	16.33	16.21	16.20	16.19	16.28	17		
20	16QAM	1	99	16.29	16.10	16.05	16.07	16.16			
20	16QAM	50	0	15.46	15.24	15.19	15.17	15.23			
20	16QAM	50	24	15.41	15.21	15.06	15.12	15.20			
20	16QAM	50	50	15.33	15.09	14.92	15.03	15.12	16		
20	16QAM	100	0	15.24	14.94	14.80	14.99	15.09			
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)		
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5			
15	QPSK	1	0	17.00	16.99	17.03	17.02	17.08	18		
15	QPSK	1	37	16.93	16.86	16.95	16.88	16.97			
15	QPSK	1	74	16.81	16.79	16.93	16.81	16.85			
15	QPSK	36	0	16.19	16.14	16.37	16.20	16.32			
15	QPSK	36	20	16.17	16.02	16.25	16.09	16.31	17		
15	QPSK	36	39	16.17	16.03	16.12	16.04	16.18			
15	QPSK	75	0	16.01	15.98	15.99	15.96	16.13			
15	16QAM	1	0	16.28	16.16	16.26	16.17	16.34			
15	16QAM	1	37	16.23	16.11	16.11	16.09	16.16	17		
15	16QAM	1	74	16.21	16.03	15.96	15.98	16.02			
15	16QAM	36	0	15.39	15.18	15.06	15.09	15.16			
15	16QAM	36	20	15.31	15.11	14.92	15.04	15.06			
15	16QAM	36	39	15.23	14.99	14.78	14.90	15.04	16		
15	16QAM	75	0	15.15	14.80	14.66	14.91	15.02			
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)		
Frequency (MHz)				2501	2547	2593	2639	2685			
10	QPSK	1	0	17.01	17.03	17.10	17.03	17.07	18		
10	QPSK	1	25	16.96	16.88	17.04	16.93	16.96			
10	QPSK	1	49	16.91	16.81	16.97	16.85	16.90			
10	QPSK	25	0	16.25	16.16	16.33	16.29	16.35			
10	QPSK	25	12	16.17	16.09	16.23	16.12	16.28	17		
10	QPSK	25	25	16.17	16.00	16.16	16.12	16.21			
10	QPSK	50	0	16.08	15.96	16.06	15.99	16.15			
10	16QAM	1	0	16.27	16.24	16.26	16.19	16.38			
10	16QAM	1	25	16.25	16.10	16.10	16.11	16.23	17		
10	16QAM	1	49	16.20	15.99	15.95	15.97	16.11			
10	16QAM	25	0	15.38	15.15	15.15	15.11	15.16			
10	16QAM	25	12	15.32	15.11	15.02	15.01	15.15			
10	16QAM	25	25	15.26	15.03	14.87	14.93	15.03	16		
10	16QAM	50	0	15.18	14.83	14.76	14.92	15.04			
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)		
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5			
5	QPSK	1	0	17.06	16.98	17.14	17.00	17.06	18		
5	QPSK	1	12	17.00	16.89	17.01	16.94	17.02			
5	QPSK	1	24	16.83	16.78	16.98	16.91	16.88			
5	QPSK	12	0	16.22	16.11	16.35	16.28	16.35			
5	QPSK	12	7	16.20	16.05	16.24	16.11	16.29	17		
5	QPSK	12	13	16.19	15.99	16.12	16.09	16.23			
5	QPSK	25	0	16.05	15.98	16.04	15.98	16.12			
5	16QAM	1	0	16.28	16.19	16.23	16.23	16.33			
5	16QAM	1	12	16.28	16.11	16.09	16.12	16.24	17		
5	16QAM	1	24	16.22	16.02	15.97	15.98	16.10			
5	16QAM	12	0	15.37	15.14	15.13	15.09	15.16			
5	16QAM	12	7	15.32	15.11	15.02	15.08	15.13	16		
5	16QAM	12	13	15.25	15.06	14.98	14.95	15.07			
5	16QAM	25	0	15.20	14.87	14.75	14.92	15.04			

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	13.76	14.00	14.00	96.94
		CH 44	5220	13.64	14.00	14.00	
		CH 48	5240	13.46	14.00	14.00	
	802.11n-HT20 MCS0	CH 36	5180	13.64	14.00	14.00	96.73
		CH 44	5220	13.61	14.00	14.00	
		CH 48	5240	13.50	14.00	14.00	
	802.11n-HT40 MCS0	CH 38	5190	12.18	12.50	12.50	93.71
		CH 46	5230	12.14	12.50	12.50	
	802.11ac-VHT20 MCS0	CH 36	5180	12.15	12.50	12.50	96.76
		CH 44	5220	12.33	12.50	12.50	
		CH 48	5240	11.94	12.50	12.50	
	802.11ac-VHT40 MCS0	CH 38	5190	10.22	10.50	10.50	93.68
		CH 46	5230	10.07	10.50	10.50	
	802.11ac-VHT80 MCS0	CH 42	5210	9.72	10.00	10.00	88.04

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	13.57	14.00	14.00	96.94
		CH 60	5300	13.47	14.00	14.00	
		CH 64	5320	13.14	13.50	14.00	
	802.11n-HT20 MCS0	CH 52	5260	13.51	14.00	14.00	96.73
		CH 60	5300	13.50	14.00	14.00	
		CH 64	5320	12.38	13.00	14.00	
	802.11n-HT40 MCS0	CH 54	5270	11.82	12.50	12.50	93.71
		CH 62	5310	11.63	12.50	12.50	
	802.11ac-VHT20 MCS0	CH 52	5260	12.16	12.50	12.50	96.76
		CH 60	5300	11.95	12.50	12.50	
		CH 64	5320	11.65	12.50	12.50	
	802.11ac-VHT40 MCS0	CH 54	5270	9.84	10.50	10.50	93.68
		CH 62	5310	9.78	10.50	10.50	
	802.11ac-VHT80 MCS0	CH 58	5290	9.42	10.00	10.00	88.04

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	13.64	14.00	14.00	96.94
		CH 116	5580	13.26	13.50	14.00	
		CH 120	5600	13.54	14.00	14.00	
		CH 144	5720	13.57	14.00	14.00	
	802.11n-HT20 MCS0	CH 100	5500	13.56	14.00	14.00	96.73
		CH 116	5580	13.29	13.50	14.00	
		CH 120	5600	13.59	14.00	14.00	
		CH 144	5720	13.35	13.50	14.00	
	802.11n-HT40 MCS0	CH 102	5510	12.19	12.50	12.50	93.71
		CH 110	5550	12.46	13.00	12.50	
		CH 126	5630	12.71	13.00	12.50	
		CH 142	5710	12.46	13.00	12.50	
	802.11ac-VHT20 MCS0	CH 100	5500	12.48	13.00	12.50	96.76
		CH 116	5580	12.40	13.00	12.50	
		CH 120	5600	12.71	13.00	12.50	
		CH 144	5720	12.40	13.00	12.50	
	802.11ac-VHT40 MCS0	CH 102	5510	10.21	10.50	10.50	93.68
		CH 110	5550	10.50	11.00	10.50	
		CH 126	5630	10.74	11.00	10.50	
		CH 142	5710	10.49	11.00	10.50	
	802.11ac-VHT80 MCS0	CH 106	5530	9.92	10.50	10.00	88.04
		CH 122	5610	10.17	10.50	10.00	
		CH 138	5690	9.91	10.50	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	14.74	15.50	15.00	96.94
		CH 157	5785	14.83	15.50	15.00	
		CH 165	5825	14.28	14.50	15.00	
	802.11n-HT20 MCS0	CH 149	5745	14.12	14.50	15.00	96.73
		CH 157	5785	14.01	14.50	15.00	
		CH 165	5825	14.25	14.50	15.00	
	802.11n-HT40 MCS0	CH 151	5755	13.38	14.00	13.50	93.71
		CH 159	5795	12.93	13.50	13.50	
	802.11ac-VHT20 MCS0	CH 149	5745	13.20	13.50	13.50	96.76
		CH 157	5785	13.17	13.50	13.50	
		CH 165	5825	13.34	14.00	13.50	
	802.11ac-VHT40 MCS0	CH 151	5755	11.41	12.00	11.50	93.68
		CH 159	5795	10.99	11.50	11.50	
	802.11ac-VHT80 MCS0	CH 155	5775	10.68	11.00	11.00	88.04