



REPORT No.: SZ24100313S01

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)	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		32.78	32.80	32.77	34.00	23.78	23.80	23.77	25.00	0.08
GPRS 1 Tx slot		32.76	32.81	32.73	34.00	23.76	23.81	23.73	25.00	
GPRS 2 Tx slots		30.51	30.54	30.48	31.50	24.51	24.54	24.48	25.50	0.06
GPRS 3 Tx slots		28.49	28.51	28.45	29.50	24.23	24.25	24.19	25.24	0.06
GPRS 4 Tx slots		26.28	26.33	26.24	27.00	23.28	23.33	23.24	24.00	0.09
EDGE 1 Tx slot		27.24	27.27	27.21	28.00	18.24	18.27	18.21	19.00	0.06
EDGE 2 Tx slots		26.10	26.14	26.07	27.00	20.10	20.14	20.07	21.00	0.07
EDGE 3 Tx slots		22.63	22.66	22.59	23.50	18.37	18.40	18.33	19.24	0.07
EDGE 4 Tx slots		19.39	19.43	19.35	20.50	16.39	16.43	16.35	17.50	0.08
Mode			Max.	32.81			Max.	24.54		
Attenuator		Cable Loss : 0.6								
Date		12/10								

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		29.23	29.26	28.97	30.00	20.23	20.26	19.97	21.00	0.31
GPRS 1 Tx slot		29.26	29.28	29.01	30.00	20.26	20.28	20.01	21.00	
GPRS 2 Tx slots		27.00	27.03	26.82	28.00	21.00	21.03	20.82	22.00	0.21
GPRS 3 Tx slots		25.27	25.32	25.05	26.00	21.01	21.06	20.79	21.74	0.27
GPRS 4 Tx slots		23.06	23.11	22.83	24.00	20.06	20.11	19.83	21.00	0.28
EDGE 1 Tx slot		27.25	27.29	26.96	28.00	18.25	18.29	17.96	19.00	0.33
EDGE 2 Tx slots		25.29	25.34	25.07	26.00	19.29	19.34	19.07	20.00	0.27
EDGE 3 Tx slots		22.31	22.36	22.10	23.00	18.05	18.10	17.84	18.74	0.26
EDGE 4 Tx slots		19.50	19.53	19.28	20.50	16.50	16.53	16.28	17.50	0.25
Mode			Max.	29.28			Max.	21.06		
Attenuator		Cable Loss : 0.8								
Date		12/10								

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	22.41	22.48	22.29	23.50	22.44	22.45	22.31	23.50	22.69	22.76	22.66	24.00
3GPP Rel 5	HSDPA Subtest-1	21.75	21.88	21.69	22.50	22.16	22.02	22.07	23.00	22.13	22.33	22.22	23.00
3GPP Rel 5	HSDPA Subtest-2	21.47	21.45	21.40	22.50	22.29	22.11	22.14	23.00	21.92	22.00	21.95	23.00
3GPP Rel 5	HSDPA Subtest-3	20.84	20.71	20.67	21.50	22.31	22.14	22.16	23.00	21.61	21.71	21.68	22.50
3GPP Rel 5	HSDPA Subtest-4	21.40	21.40	21.24	22.50	22.34	22.18	22.20	23.00	21.51	21.60	21.56	22.50
3GPP Rel 6	HSUPA Subtest-1	21.86	21.84	21.69	22.50	22.25	22.08	22.09	23.00	22.37	22.47	22.52	23.50
3GPP Rel 6	HSUPA Subtest-2	21.75	21.84	21.73	22.50	22.17	21.98	22.03	23.00	22.31	22.42	22.46	23.50
3GPP Rel 6	HSUPA Subtest-3	21.85	21.83	21.74	22.50	22.27	22.09	22.10	23.00	22.37	22.50	22.53	23.50
3GPP Rel 6	HSUPA Subtest-4	21.69	21.82	21.70	22.50	22.13	21.94	22.01	23.00	22.29	22.42	22.41	23.50
3GPP Rel 6	HSUPA Subtest-5	21.81	21.85	21.76	22.50	22.23	22.06	22.08	23.00	22.38	22.50	22.59	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	21.95	21.84	21.48	22.50	22.34	22.22	22.21	23.00	22.42	22.59	22.61	23.50
Attenuator		Cable Loss			0.8	Cable Loss			0.8	Cable Loss			0.6
Mode			Max.	22.48			Max.	22.45			Max.	22.76	
Date		12/10				12/10				12/10			

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	24.22	24.26	24.17	25
20	QPSK	1	49	24.14	24.21	24.00	
20	QPSK	1	99	24.09	24.10	23.94	
20	QPSK	50	0	23.11	23.14	23.08	24
20	QPSK	50	24	23.05	23.10	23.01	
20	QPSK	50	50	22.94	22.96	22.88	
20	QPSK	100	0	22.99	23.02	22.95	
20	16QAM	1	0	23.25	23.31	23.19	24
20	16QAM	1	49	23.14	23.15	23.09	
20	16QAM	1	99	23.01	23.07	22.99	
20	16QAM	50	0	22.22	22.30	22.17	23
20	16QAM	50	24	22.14	22.17	22.09	
20	16QAM	50	50	22.05	22.08	22.02	
20	16QAM	100	0	21.99	22.00	21.96	
20	64QAM	1	0	22.18	22.26	22.12	23
20	64QAM	1	49	22.05	22.12	22.03	
20	64QAM	1	99	22.04	22.07	21.94	
20	64QAM	50	0	21.50	21.59	21.45	22
20	64QAM	50	24	21.46	21.49	21.36	
20	64QAM	50	50	21.42	21.44	21.39	
20	64QAM	100	0	21.37	21.32	21.38	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	24.17	24.22	24.09	25
15	QPSK	1	37	24.11	24.14	24.04	
15	QPSK	1	74	24.06	24.05	23.90	
15	QPSK	36	0	23.15	23.09	23.11	24
15	QPSK	36	20	22.97	23.05	23.07	
15	QPSK	36	39	23.04	22.94	22.92	
15	QPSK	75	0	23.00	22.97	22.84	
15	16QAM	1	0	23.24	23.19	23.12	24
15	16QAM	1	37	23.19	23.07	22.94	
15	16QAM	1	74	23.04	23.03	22.87	
15	16QAM	36	0	22.28	22.31	22.23	23
15	16QAM	36	20	22.13	22.20	22.07	
15	16QAM	36	39	22.15	21.99	21.92	
15	16QAM	75	0	21.98	22.00	21.99	
15	64QAM	1	0	22.26	22.31	21.97	23
15	64QAM	1	37	21.96	22.00	21.90	
15	64QAM	1	74	21.89	21.94	21.99	
15	64QAM	36	0	21.50	21.68	21.41	22
15	64QAM	36	20	21.34	21.52	21.41	
15	64QAM	36	39	21.27	21.46	21.45	
15	64QAM	75	0	21.24	21.20	21.23	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.15	24.19	24.14	25
10	QPSK	1	25	24.09	24.15	24.05	
10	QPSK	1	49	24.01	24.12	23.97	

10	QPSK	25	0	23.02	22.99	22.99	24
10	QPSK	25	12	23.08	23.03	23.11	
10	QPSK	25	25	22.89	23.02	22.75	
10	QPSK	50	0	22.94	22.99	22.82	
10	16QAM	1	0	23.27	23.31	23.16	24
10	16QAM	1	25	23.17	23.20	23.03	
10	16QAM	1	49	23.11	23.00	22.95	
10	16QAM	25	0	22.30	22.19	22.25	23
10	16QAM	25	12	22.08	22.09	22.07	
10	16QAM	25	25	22.09	21.97	22.03	
10	16QAM	50	0	22.05	22.10	22.03	
10	64QAM	1	0	22.27	22.15	21.97	23
10	64QAM	1	25	21.94	22.21	22.11	
10	64QAM	1	49	21.98	22.05	21.90	
10	64QAM	25	0	21.54	21.58	21.47	22
10	64QAM	25	12	21.51	21.57	21.41	
10	64QAM	25	25	21.33	21.30	21.36	
10	64QAM	50	0	21.37	21.37	21.44	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	24.13	24.21	24.08	25
5	QPSK	1	12	24.05	24.10	24.03	
5	QPSK	1	24	24.11	24.10	23.89	
5	QPSK	12	0	23.15	23.00	23.09	24
5	QPSK	12	7	23.12	22.96	23.11	
5	QPSK	12	13	22.92	22.85	22.93	
5	QPSK	25	0	23.00	23.06	22.93	
5	16QAM	1	0	23.15	23.24	23.05	24
5	16QAM	1	12	23.06	23.09	23.02	
5	16QAM	1	24	22.96	22.93	22.87	
5	16QAM	12	0	22.07	22.19	22.23	23
5	16QAM	12	7	22.04	22.06	22.03	
5	16QAM	12	13	22.13	22.10	21.90	
5	16QAM	25	0	21.96	21.92	22.03	
5	64QAM	1	0	22.15	22.16	22.14	23
5	64QAM	1	12	22.04	22.18	22.06	
5	64QAM	1	24	22.02	21.95	21.91	
5	64QAM	12	0	21.44	21.66	21.42	22
5	64QAM	12	7	21.50	21.46	21.36	
5	64QAM	12	13	21.44	21.34	21.42	
5	64QAM	25	0	21.41	21.26	21.32	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	24.09	24.23	24.12	25
3	QPSK	1	8	24.05	24.08	24.05	
3	QPSK	1	14	23.99	24.02	24.02	
3	QPSK	8	0	23.20	23.22	23.07	24
3	QPSK	8	4	23.11	23.09	22.96	
3	QPSK	8	7	23.04	22.96	22.90	
3	QPSK	15	0	22.91	22.87	22.84	
3	16QAM	1	0	23.20	23.26	23.05	24
3	16QAM	1	8	23.04	23.14	22.97	
3	16QAM	1	14	22.97	22.94	22.95	
3	16QAM	8	0	22.20	22.25	22.03	23
3	16QAM	8	4	22.03	22.13	22.01	
3	16QAM	8	7	22.00	22.17	21.90	
3	16QAM	15	0	22.08	22.07	21.90	

3	64QAM	1	0	22.23	22.24	22.04	23
3	64QAM	1	8	21.93	22.21	21.89	
3	64QAM	1	14	21.92	21.92	22.00	
3	64QAM	8	0	21.56	21.60	21.43	22
3	64QAM	8	4	21.38	21.48	21.31	
3	64QAM	8	7	21.36	21.51	21.29	
3	64QAM	15	0	21.28	21.39	21.40	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	24.13	24.20	24.15	25
1.4	QPSK	1	3	24.08	24.18	23.90	
1.4	QPSK	1	5	23.98	24.04	24.02	
1.4	QPSK	3	0	23.02	23.23	23.04	
1.4	QPSK	3	1	23.10	23.03	23.09	
1.4	QPSK	3	3	23.04	23.05	23.01	
1.4	QPSK	6	0	23.05	23.04	22.83	24
1.4	16QAM	1	0	23.27	23.27	23.15	24
1.4	16QAM	1	3	23.19	23.06	23.06	
1.4	16QAM	1	5	22.96	23.05	23.01	
1.4	16QAM	3	0	22.12	22.24	22.08	
1.4	16QAM	3	1	22.11	22.13	22.02	
1.4	16QAM	3	3	22.11	22.08	22.11	
1.4	16QAM	6	0	22.05	21.92	21.85	23
1.4	64QAM	1	0	22.20	22.31	22.16	23
1.4	64QAM	1	3	22.01	22.02	22.01	
1.4	64QAM	1	5	22.00	22.10	21.96	
1.4	64QAM	3	0	21.52	21.49	21.31	
1.4	64QAM	3	1	21.49	21.35	21.44	
1.4	64QAM	3	3	21.31	21.50	21.44	
1.4	64QAM	6	0	21.38	21.22	21.42	22

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	23.91	23.96	23.92	25
20	QPSK	1	49	23.89	23.82	23.78	
20	QPSK	1	99	23.84	23.91	23.86	
20	QPSK	50	0	22.88	22.91	22.87	24
20	QPSK	50	24	22.74	22.76	22.68	
20	QPSK	50	50	22.66	22.75	22.77	
20	QPSK	100	0	22.72	22.86	22.74	
20	16QAM	1	0	22.96	23.07	22.98	24
20	16QAM	1	49	22.77	22.88	22.78	
20	16QAM	1	99	22.73	22.90	22.79	
20	16QAM	50	0	21.83	21.97	21.75	23
20	16QAM	50	24	21.90	21.93	21.77	
20	16QAM	50	50	21.82	21.68	21.71	
20	16QAM	100	0	21.69	21.72	21.60	
20	64QAM	1	0	21.97	22.02	21.91	23
20	64QAM	1	49	21.67	21.88	21.80	
20	64QAM	1	99	21.71	21.73	21.71	
20	64QAM	50	0	21.14	21.33	21.04	22
20	64QAM	50	24	21.19	21.13	20.97	
20	64QAM	50	50	21.03	21.04	21.14	
20	64QAM	100	0	20.97	20.90	21.15	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.82	23.93	23.90	25
15	QPSK	1	37	23.74	23.81	23.78	
15	QPSK	1	74	23.69	23.84	23.80	
15	QPSK	36	0	22.83	22.89	22.85	24
15	QPSK	36	20	22.65	22.77	22.66	
15	QPSK	36	39	22.70	22.73	22.70	
15	QPSK	75	0	22.74	22.78	22.69	
15	16QAM	1	0	22.95	22.90	22.87	24
15	16QAM	1	37	22.75	22.89	22.80	
15	16QAM	1	74	22.80	22.82	22.71	
15	16QAM	36	0	21.77	21.92	21.81	23
15	16QAM	36	20	21.85	21.95	21.72	
15	16QAM	36	39	21.85	21.64	21.70	
15	16QAM	75	0	21.55	21.56	21.66	
15	64QAM	1	0	21.80	21.92	21.83	23
15	64QAM	1	37	21.81	21.85	21.77	
15	64QAM	1	74	21.82	21.72	21.67	
15	64QAM	36	0	21.17	21.27	21.13	22
15	64QAM	36	20	21.25	21.29	21.14	
15	64QAM	36	39	21.00	21.02	20.99	
15	64QAM	75	0	20.93	21.08	21.05	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.85	23.90	23.87	25
10	QPSK	1	25	23.78	23.81	23.78	
10	QPSK	1	49	23.81	23.80	23.74	

10	QPSK	25	0	22.70	22.70	22.67	24
10	QPSK	25	12	22.79	22.80	22.80	
10	QPSK	25	25	22.74	22.64	22.59	
10	QPSK	50	0	22.63	22.74	22.56	
10	16QAM	1	0	22.82	23.04	22.90	24
10	16QAM	1	25	22.77	22.73	22.85	
10	16QAM	1	49	22.72	22.72	22.76	
10	16QAM	25	0	21.88	22.00	21.93	23
10	16QAM	25	12	21.75	21.88	21.71	
10	16QAM	25	25	21.75	21.74	21.69	
10	16QAM	50	0	21.76	21.73	21.65	
10	64QAM	1	0	21.74	21.83	21.91	23
10	64QAM	1	25	21.74	21.84	21.65	
10	64QAM	1	49	21.63	21.79	21.67	
10	64QAM	25	0	21.07	21.26	21.18	22
10	64QAM	25	12	21.16	21.11	21.10	
10	64QAM	25	25	21.04	21.23	21.06	
10	64QAM	50	0	21.01	20.96	21.14	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.86	23.91	23.88	25
5	QPSK	1	12	23.71	23.88	23.79	
5	QPSK	1	24	23.66	23.71	23.70	
5	QPSK	12	0	22.74	22.84	22.82	24
5	QPSK	12	7	22.64	22.81	22.60	
5	QPSK	12	13	22.67	22.74	22.67	
5	QPSK	25	0	22.59	22.79	22.59	
5	16QAM	1	0	22.83	22.95	22.95	24
5	16QAM	1	12	22.87	22.93	22.70	
5	16QAM	1	24	22.63	22.82	22.59	
5	16QAM	12	0	21.80	22.07	21.87	23
5	16QAM	12	7	21.74	21.75	21.76	
5	16QAM	12	13	21.79	21.87	21.79	
5	16QAM	25	0	21.62	21.60	21.65	
5	64QAM	1	0	21.90	22.01	21.87	23
5	64QAM	1	12	21.67	21.74	21.82	
5	64QAM	1	24	21.83	21.81	21.74	
5	64QAM	12	0	21.14	21.34	21.20	22
5	64QAM	12	7	21.14	21.14	20.98	
5	64QAM	12	13	21.17	21.01	20.98	
5	64QAM	25	0	20.97	21.00	21.10	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.82	23.89	23.75	25
3	QPSK	1	8	23.70	23.86	23.72	
3	QPSK	1	14	23.76	23.77	23.69	
3	QPSK	8	0	22.69	22.75	22.63	24
3	QPSK	8	4	22.82	22.75	22.58	
3	QPSK	8	7	22.67	22.57	22.60	
3	QPSK	15	0	22.70	22.71	22.64	
3	16QAM	1	0	22.89	23.02	22.81	24
3	16QAM	1	8	22.85	22.85	22.67	
3	16QAM	1	14	22.62	22.82	22.73	
3	16QAM	8	0	22.01	21.97	21.95	23
3	16QAM	8	4	21.89	21.88	21.76	
3	16QAM	8	7	21.61	21.87	21.75	
3	16QAM	15	0	21.67	21.75	21.59	

3	64QAM	1	0	21.76	21.94	21.69	23
3	64QAM	1	8	21.67	21.82	21.74	
3	64QAM	1	14	21.79	21.87	21.56	
3	64QAM	8	0	21.11	21.29	21.19	22
3	64QAM	8	4	21.25	21.22	21.06	
3	64QAM	8	7	21.09	21.09	20.95	
3	64QAM	15	0	20.93	20.93	21.17	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.86	23.90	23.86	25
1.4	QPSK	1	3	23.85	23.85	23.71	
1.4	QPSK	1	5	23.72	23.75	23.74	
1.4	QPSK	3	0	22.83	22.69	22.69	
1.4	QPSK	3	1	22.60	22.84	22.70	
1.4	QPSK	3	3	22.51	22.63	22.52	
1.4	QPSK	6	0	22.62	22.65	22.70	24
1.4	16QAM	1	0	22.81	22.92	22.81	24
1.4	16QAM	1	3	22.83	22.89	22.76	
1.4	16QAM	1	5	22.56	22.78	22.74	
1.4	16QAM	3	0	21.94	21.96	21.88	
1.4	16QAM	3	1	21.94	21.87	21.67	
1.4	16QAM	3	3	21.67	21.76	21.69	
1.4	16QAM	6	0	21.76	21.73	21.72	23
1.4	64QAM	1	0	21.89	22.06	21.78	23
1.4	64QAM	1	3	21.66	21.85	21.78	
1.4	64QAM	1	5	21.78	21.75	21.69	
1.4	64QAM	3	0	21.23	21.19	21.16	
1.4	64QAM	3	1	21.08	21.25	21.15	
1.4	64QAM	3	3	21.17	21.10	21.03	
1.4	64QAM	6	0	21.02	21.00	20.96	22

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	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.76	23.81	23.74	25
10	QPSK	1	25	23.73	23.75	23.60	
10	QPSK	1	49	23.62	23.69	23.57	
10	QPSK	25	0	22.68	22.79	22.60	24
10	QPSK	25	12	22.65	22.54	22.64	
10	QPSK	25	25	22.62	22.61	22.54	
10	QPSK	50	0	22.54	22.63	22.59	
10	16QAM	1	0	22.84	22.96	22.65	24
10	16QAM	1	25	22.68	22.60	22.59	
10	16QAM	1	49	22.61	22.64	22.46	
10	16QAM	25	0	21.83	21.73	21.79	23
10	16QAM	25	12	21.62	21.65	21.69	
10	16QAM	25	25	21.59	21.51	21.47	
10	16QAM	50	0	21.42	21.41	21.59	
10	64QAM	1	0	21.75	21.85	21.56	23
10	64QAM	1	25	21.50	21.54	21.57	
10	64QAM	1	49	21.48	21.57	21.49	
10	64QAM	25	0	20.92	21.09	21.04	22
10	64QAM	25	12	21.04	21.11	20.91	
10	64QAM	25	25	20.86	21.03	20.88	
10	64QAM	50	0	20.83	20.85	20.80	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.64	23.76	23.69	25
5	QPSK	1	12	23.57	23.64	23.56	
5	QPSK	1	24	23.61	23.70	23.51	
5	QPSK	12	0	22.62	22.77	22.63	24
5	QPSK	12	7	22.68	22.53	22.56	
5	QPSK	12	13	22.57	22.57	22.58	
5	QPSK	25	0	22.51	22.60	22.52	
5	16QAM	1	0	22.67	22.82	22.83	24
5	16QAM	1	12	22.73	22.61	22.66	
5	16QAM	1	24	22.47	22.64	22.55	
5	16QAM	12	0	21.87	21.84	21.63	23
5	16QAM	12	7	21.66	21.78	21.70	
5	16QAM	12	13	21.70	21.62	21.60	
5	16QAM	25	0	21.42	21.63	21.39	
5	64QAM	1	0	21.81	21.84	21.75	23
5	64QAM	1	12	21.60	21.74	21.48	
5	64QAM	1	24	21.69	21.68	21.46	
5	64QAM	12	0	21.08	21.22	20.89	22
5	64QAM	12	7	21.05	21.06	20.92	
5	64QAM	12	13	20.94	21.00	20.96	
5	64QAM	25	0	20.90	20.88	20.96	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.69	23.79	23.72	25
3	QPSK	1	8	23.74	23.68	23.58	
3	QPSK	1	14	23.69	23.60	23.55	

3	QPSK	8	0	22.62	22.71	22.58	24
3	QPSK	8	4	22.55	22.52	22.53	
3	QPSK	8	7	22.47	22.59	22.57	
3	QPSK	15	0	22.53	22.61	22.57	
3	16QAM	1	0	22.72	22.83	22.68	24
3	16QAM	1	8	22.62	22.70	22.71	
3	16QAM	1	14	22.61	22.66	22.53	
3	16QAM	8	0	21.74	21.70	21.70	23
3	16QAM	8	4	21.72	21.72	21.72	
3	16QAM	8	7	21.67	21.67	21.45	
3	16QAM	15	0	21.41	21.48	21.47	
3	64QAM	1	0	21.73	21.70	21.60	23
3	64QAM	1	8	21.68	21.74	21.53	
3	64QAM	1	14	21.55	21.70	21.56	
3	64QAM	8	0	20.95	21.17	20.95	22
3	64QAM	8	4	21.10	21.09	20.93	
3	64QAM	8	7	21.03	21.00	20.98	
3	64QAM	15	0	20.83	20.88	21.00	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.69	23.72	23.70	25
1.4	QPSK	1	3	23.61	23.78	23.62	
1.4	QPSK	1	5	23.53	23.60	23.48	
1.4	QPSK	3	0	22.69	22.72	22.66	
1.4	QPSK	3	1	22.56	22.71	22.56	
1.4	QPSK	3	3	22.59	22.57	22.53	
1.4	QPSK	6	0	22.61	22.58	22.42	24
1.4	16QAM	1	0	22.70	22.84	22.72	24
1.4	16QAM	1	3	22.77	22.71	22.58	
1.4	16QAM	1	5	22.65	22.51	22.49	
1.4	16QAM	3	0	21.81	21.84	21.76	
1.4	16QAM	3	1	21.60	21.64	21.54	
1.4	16QAM	3	3	21.59	21.61	21.49	
1.4	16QAM	6	0	21.40	21.48	21.42	23
1.4	64QAM	1	0	21.75	21.89	21.59	23
1.4	64QAM	1	3	21.56	21.64	21.67	
1.4	64QAM	1	5	21.54	21.54	21.52	
1.4	64QAM	3	0	20.97	21.05	21.01	
1.4	64QAM	3	1	21.01	20.96	20.91	
1.4	64QAM	3	3	20.91	21.01	20.97	
1.4	64QAM	6	0	20.95	20.93	21.01	22

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	23.85	23.91	23.88	25
20	QPSK	1	49	23.79	23.89	23.74	
20	QPSK	1	99	23.66	23.75	23.63	
20	QPSK	50	0	22.77	22.80	22.67	24
20	QPSK	50	24	22.74	22.67	22.65	
20	QPSK	50	50	22.60	22.72	22.57	
20	QPSK	100	0	22.68	22.70	22.59	
20	16QAM	1	0	22.91	22.94	22.73	24
20	16QAM	1	49	22.83	22.75	22.62	
20	16QAM	1	99	22.71	22.79	22.66	
20	16QAM	50	0	21.82	21.83	21.72	23
20	16QAM	50	24	21.73	21.75	21.68	
20	16QAM	50	50	21.65	21.79	21.59	
20	16QAM	100	0	21.61	21.59	21.47	
20	64QAM	1	0	21.91	21.80	21.80	23
20	64QAM	1	49	21.72	21.87	21.58	
20	64QAM	1	99	21.71	21.66	21.58	
20	64QAM	50	0	21.19	21.24	21.03	22
20	64QAM	50	24	21.07	21.07	20.99	
20	64QAM	50	50	20.97	21.07	21.14	
20	64QAM	100	0	21.11	21.01	20.88	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.82	23.89	23.80	25
15	QPSK	1	37	23.71	23.85	23.56	
15	QPSK	1	74	23.61	23.71	23.62	
15	QPSK	36	0	22.82	22.68	22.64	24
15	QPSK	36	20	22.79	22.61	22.58	
15	QPSK	36	39	22.60	22.60	22.63	
15	QPSK	75	0	22.68	22.68	22.70	
15	16QAM	1	0	22.75	22.98	22.91	24
15	16QAM	1	37	22.76	22.80	22.73	
15	16QAM	1	74	22.59	22.69	22.59	
15	16QAM	36	0	21.74	21.90	21.85	23
15	16QAM	36	20	21.82	21.76	21.64	
15	16QAM	36	39	21.69	21.80	21.71	
15	16QAM	75	0	21.61	21.71	21.58	
15	64QAM	1	0	21.86	21.91	21.69	23
15	64QAM	1	37	21.79	21.66	21.59	
15	64QAM	1	74	21.74	21.79	21.62	
15	64QAM	36	0	21.04	21.21	21.12	22
15	64QAM	36	20	21.06	21.16	20.89	
15	64QAM	36	39	20.94	21.03	21.04	
15	64QAM	75	0	20.98	20.88	21.10	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.85	23.87	23.82	25
10	QPSK	1	25	23.65	23.81	23.75	
10	QPSK	1	49	23.66	23.80	23.68	

10	QPSK	25	0	22.79	22.70	22.65	24
10	QPSK	25	12	22.80	22.75	22.61	
10	QPSK	25	25	22.66	22.68	22.47	
10	QPSK	50	0	22.51	22.54	22.58	
10	16QAM	1	0	22.93	22.86	22.80	24
10	16QAM	1	25	22.85	22.83	22.79	
10	16QAM	1	49	22.55	22.80	22.66	
10	16QAM	25	0	21.90	22.02	21.72	23
10	16QAM	25	12	21.77	21.69	21.72	
10	16QAM	25	25	21.68	21.75	21.67	
10	16QAM	50	0	21.62	21.66	21.59	
10	64QAM	1	0	21.78	21.79	21.80	23
10	64QAM	1	25	21.61	21.69	21.59	
10	64QAM	1	49	21.57	21.60	21.60	
10	64QAM	25	0	21.07	21.34	21.14	22
10	64QAM	25	12	21.15	21.17	21.09	
10	64QAM	25	25	21.09	21.10	21.13	
10	64QAM	50	0	20.88	20.89	21.08	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.76	23.90	23.79	25
5	QPSK	1	12	23.72	23.82	23.56	
5	QPSK	1	24	23.68	23.83	23.59	
5	QPSK	12	0	22.78	22.65	22.80	24
5	QPSK	12	7	22.61	22.78	22.67	
5	QPSK	12	13	22.57	22.71	22.59	
5	QPSK	25	0	22.63	22.72	22.67	
5	16QAM	1	0	22.82	23.01	22.87	24
5	16QAM	1	12	22.80	22.77	22.71	
5	16QAM	1	24	22.63	22.69	22.65	
5	16QAM	12	0	21.88	21.91	21.70	23
5	16QAM	12	7	21.88	21.83	21.61	
5	16QAM	12	13	21.65	21.74	21.53	
5	16QAM	25	0	21.53	21.55	21.69	
5	64QAM	1	0	21.91	21.93	21.87	23
5	64QAM	1	12	21.67	21.67	21.73	
5	64QAM	1	24	21.76	21.78	21.67	
5	64QAM	12	0	21.09	21.18	21.14	22
5	64QAM	12	7	20.97	21.10	20.88	
5	64QAM	12	13	20.94	20.96	20.91	
5	64QAM	25	0	20.98	20.88	20.90	

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	
10	QPSK	1	0	23.77	23.86	23.84	25
10	QPSK	1	25	23.70	23.67	23.66	
10	QPSK	1	49	23.64	23.71	23.59	
10	QPSK	25	0	22.75	22.81	22.72	24
10	QPSK	25	12	22.69	22.61	22.70	
10	QPSK	25	25	22.54	22.74	22.63	
10	QPSK	50	0	22.60	22.64	22.57	
10	16QAM	1	0	22.80	22.86	22.66	24
10	16QAM	1	25	22.84	22.60	22.60	
10	16QAM	1	49	22.71	22.63	22.57	
10	16QAM	25	0	21.72	21.79	21.62	23
10	16QAM	25	12	21.62	21.69	21.66	
10	16QAM	25	25	21.57	21.55	21.49	
10	16QAM	50	0	21.64	21.61	21.57	
10	64QAM	1	0	21.71	21.74	21.61	23
10	64QAM	1	25	21.62	21.79	21.52	
10	64QAM	1	49	21.71	21.54	21.59	
10	64QAM	25	0	21.09	21.22	21.01	22
10	64QAM	25	12	21.14	21.17	20.96	
10	64QAM	25	25	20.87	21.08	20.96	
10	64QAM	50	0	20.89	20.86	20.99	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.74	23.83	23.75	25
5	QPSK	1	12	23.72	23.79	23.70	
5	QPSK	1	24	23.60	23.66	23.61	
5	QPSK	12	0	22.76	22.75	22.74	24
5	QPSK	12	7	22.69	22.66	22.59	
5	QPSK	12	13	22.64	22.63	22.55	
5	QPSK	25	0	22.44	22.70	22.53	
5	16QAM	1	0	22.72	22.77	22.78	24
5	16QAM	1	12	22.70	22.60	22.54	
5	16QAM	1	24	22.56	22.71	22.50	
5	16QAM	12	0	21.68	21.81	21.63	23
5	16QAM	12	7	21.76	21.62	21.73	
5	16QAM	12	13	21.68	21.58	21.50	
5	16QAM	25	0	21.49	21.70	21.57	
5	64QAM	1	0	21.80	21.81	21.69	23
5	64QAM	1	12	21.69	21.76	21.63	
5	64QAM	1	24	21.67	21.65	21.49	
5	64QAM	12	0	21.20	21.27	20.90	22
5	64QAM	12	7	21.00	21.03	21.04	
5	64QAM	12	13	21.07	20.97	21.06	
5	64QAM	25	0	20.89	20.92	21.00	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.79	23.82	23.64	25
3	QPSK	1	8	23.77	23.76	23.66	
3	QPSK	1	14	23.60	23.60	23.55	

3	QPSK	8	0	22.57	22.81	22.65	24
3	QPSK	8	4	22.70	22.78	22.54	
3	QPSK	8	7	22.61	22.63	22.59	
3	QPSK	15	0	22.57	22.60	22.47	
3	16QAM	1	0	22.74	22.86	22.64	24
3	16QAM	1	8	22.71	22.75	22.67	
3	16QAM	1	14	22.68	22.71	22.65	
3	16QAM	8	0	21.67	21.84	21.77	23
3	16QAM	8	4	21.69	21.62	21.57	
3	16QAM	8	7	21.62	21.56	21.50	
3	16QAM	15	0	21.65	21.57	21.61	
3	64QAM	1	0	21.74	21.84	21.80	23
3	64QAM	1	8	21.62	21.74	21.57	
3	64QAM	1	14	21.71	21.67	21.58	
3	64QAM	8	0	21.01	21.19	20.90	22
3	64QAM	8	4	20.92	21.04	20.97	
3	64QAM	8	7	21.11	21.10	20.89	
3	64QAM	15	0	20.87	20.86	21.04	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.71	23.80	23.70	25
1.4	QPSK	1	3	23.63	23.69	23.70	
1.4	QPSK	1	5	23.64	23.68	23.58	
1.4	QPSK	3	0	22.58	22.68	22.67	
1.4	QPSK	3	1	22.74	22.72	22.51	
1.4	QPSK	3	3	22.43	22.62	22.42	
1.4	QPSK	6	0	22.47	22.50	22.53	24
1.4	16QAM	1	0	22.81	22.85	22.84	24
1.4	16QAM	1	3	22.79	22.60	22.65	
1.4	16QAM	1	5	22.57	22.59	22.61	
1.4	16QAM	3	0	21.91	21.81	21.86	
1.4	16QAM	3	1	21.61	21.65	21.60	
1.4	16QAM	3	3	21.75	21.63	21.67	
1.4	16QAM	6	0	21.50	21.52	21.52	23
1.4	64QAM	1	0	21.85	21.71	21.65	23
1.4	64QAM	1	3	21.75	21.79	21.64	
1.4	64QAM	1	5	21.72	21.71	21.56	
1.4	64QAM	3	0	21.06	21.05	21.04	
1.4	64QAM	3	1	21.13	21.16	20.90	
1.4	64QAM	3	3	20.90	20.98	20.84	
1.4	64QAM	6	0	20.93	21.00	21.01	22

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	23.74	23.77	23.62	25
10	QPSK	1	25	23.70	23.71	23.55	
10	QPSK	1	49	23.64	23.66	23.51	
10	QPSK	25	0	22.51	22.60	22.48	24
10	QPSK	25	12	22.45	22.56	22.41	
10	QPSK	25	25	22.39	22.54	22.42	
10	QPSK	50	0	22.51	22.55	22.50	
10	16QAM	1	0	22.62	22.75	22.69	24
10	16QAM	1	25	22.62	22.63	22.55	
10	16QAM	1	49	22.62	22.66	22.44	
10	16QAM	25	0	21.70	21.73	21.63	23
10	16QAM	25	12	21.53	21.65	21.71	
10	16QAM	25	25	21.67	21.62	21.52	
10	16QAM	50	0	21.43	21.57	21.51	
10	64QAM	1	0	21.56	21.66	21.70	23
10	64QAM	1	25	21.44	21.71	21.40	
10	64QAM	1	49	21.48	21.55	21.49	
10	64QAM	25	0	21.04	21.14	21.00	22
10	64QAM	25	12	20.85	20.95	20.82	
10	64QAM	25	25	20.85	20.86	20.99	
10	64QAM	50	0	20.95	20.80	20.92	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.64	23.74	23.67	25
5	QPSK	1	12	23.51	23.63	23.55	
5	QPSK	1	24	23.55	23.60	23.47	
5	QPSK	12	0	22.52	22.60	22.49	24
5	QPSK	12	7	22.46	22.57	22.48	
5	QPSK	12	13	22.40	22.36	22.31	
5	QPSK	25	0	22.41	22.53	22.51	
5	16QAM	1	0	22.65	22.68	22.81	24
5	16QAM	1	12	22.73	22.71	22.59	
5	16QAM	1	24	22.51	22.64	22.54	
5	16QAM	12	0	21.77	21.72	21.57	23
5	16QAM	12	7	21.54	21.63	21.52	
5	16QAM	12	13	21.56	21.65	21.62	
5	16QAM	25	0	21.45	21.38	21.44	
5	64QAM	1	0	21.72	21.69	21.66	23
5	64QAM	1	12	21.60	21.70	21.56	
5	64QAM	1	24	21.53	21.66	21.42	
5	64QAM	12	0	21.10	20.99	20.88	22
5	64QAM	12	7	21.04	20.87	20.82	
5	64QAM	12	13	21.01	20.86	20.78	
5	64QAM	25	0	20.79	20.89	20.95	

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	24.35	24.37	24.23	25
20	QPSK	1	49	24.20	24.25	24.07	
20	QPSK	1	99	24.12	24.18	24.11	
20	QPSK	50	0	23.13	23.16	23.10	24
20	QPSK	50	24	23.02	23.06	22.95	
20	QPSK	50	50	22.88	22.99	22.90	
20	QPSK	100	0	23.10	23.14	22.99	
20	16QAM	1	0	23.29	23.32	23.14	24
20	16QAM	1	49	23.09	23.26	23.07	
20	16QAM	1	99	23.00	23.21	22.95	
20	16QAM	50	0	22.19	22.33	22.30	23
20	16QAM	50	24	22.17	22.21	22.23	
20	16QAM	50	50	22.03	22.00	22.04	
20	16QAM	100	0	22.00	21.94	21.94	
20	64QAM	1	0	22.13	22.29	22.22	23
20	64QAM	1	49	22.01	22.23	22.00	
20	64QAM	1	99	22.02	22.09	21.93	
20	64QAM	50	0	21.57	21.50	21.56	22
20	64QAM	50	24	21.52	21.40	21.49	
20	64QAM	50	50	21.39	21.44	21.43	
20	64QAM	100	0	21.31	21.30	21.43	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	24.27	24.33	24.19	25
15	QPSK	1	37	24.14	24.29	24.15	
15	QPSK	1	74	24.22	24.15	24.03	
15	QPSK	36	0	23.08	23.21	23.15	24
15	QPSK	36	20	23.14	23.13	22.98	
15	QPSK	36	39	22.88	22.91	23.02	
15	QPSK	75	0	23.01	22.93	22.87	
15	16QAM	1	0	23.23	23.33	23.16	24
15	16QAM	1	37	23.07	23.19	23.22	
15	16QAM	1	74	23.07	22.97	23.04	
15	16QAM	36	0	22.25	22.22	22.18	23
15	16QAM	36	20	22.04	22.32	22.12	
15	16QAM	36	39	21.96	22.11	22.13	
15	16QAM	75	0	22.00	21.97	22.03	
15	64QAM	1	0	22.13	22.24	22.09	23
15	64QAM	1	37	22.10	22.03	21.97	
15	64QAM	1	74	21.94	22.13	21.96	
15	64QAM	36	0	21.58	21.56	21.41	22
15	64QAM	36	20	21.43	21.45	21.30	
15	64QAM	36	39	21.57	21.40	21.31	
15	64QAM	75	0	21.33	21.27	21.46	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.24	24.31	24.09	25
10	QPSK	1	25	24.11	24.29	24.15	
10	QPSK	1	49	24.07	24.15	24.05	

10	QPSK	25	0	23.16	23.25	23.01	24
10	QPSK	25	12	23.07	23.13	22.97	
10	QPSK	25	25	22.92	23.02	22.94	
10	QPSK	50	0	22.99	22.94	23.09	
10	16QAM	1	0	23.26	23.29	23.15	24
10	16QAM	1	25	23.13	23.11	23.22	
10	16QAM	1	49	23.15	22.97	22.97	
10	16QAM	25	0	22.36	22.30	22.28	23
10	16QAM	25	12	22.06	22.15	22.16	
10	16QAM	25	25	22.14	22.18	22.04	
10	16QAM	50	0	22.11	22.09	21.89	
10	64QAM	1	0	22.15	22.19	22.02	23
10	64QAM	1	25	22.02	22.06	21.93	
10	64QAM	1	49	22.17	22.16	21.92	
10	64QAM	25	0	21.53	21.55	21.48	22
10	64QAM	25	12	21.39	21.43	21.46	
10	64QAM	25	25	21.33	21.46	21.44	
10	64QAM	50	0	21.42	21.33	21.38	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	24.12	24.28	24.14	25
5	QPSK	1	12	24.18	24.23	24.03	
5	QPSK	1	24	24.13	24.04	23.96	
5	QPSK	12	0	23.21	23.09	23.18	24
5	QPSK	12	7	23.17	23.17	23.00	
5	QPSK	12	13	22.90	22.92	23.01	
5	QPSK	25	0	22.95	23.15	22.86	
5	16QAM	1	0	23.33	23.36	23.23	24
5	16QAM	1	12	23.06	23.16	23.23	
5	16QAM	1	24	23.07	23.04	23.07	
5	16QAM	12	0	22.23	22.34	22.28	23
5	16QAM	12	7	22.20	22.30	22.17	
5	16QAM	12	13	22.01	22.20	22.03	
5	16QAM	25	0	21.96	22.04	22.08	
5	64QAM	1	0	22.25	22.28	22.15	23
5	64QAM	1	12	22.09	22.24	21.98	
5	64QAM	1	24	21.96	22.11	21.92	
5	64QAM	12	0	21.47	21.70	21.54	22
5	64QAM	12	7	21.38	21.61	21.34	
5	64QAM	12	13	21.51	21.38	21.35	
5	64QAM	25	0	21.27	21.32	21.33	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	24.25	24.30	24.24	25
3	QPSK	1	8	24.18	24.24	24.08	
3	QPSK	1	14	24.16	24.13	23.96	
3	QPSK	8	0	23.16	23.09	23.00	24
3	QPSK	8	4	23.15	23.09	23.09	
3	QPSK	8	7	23.00	22.96	22.78	
3	QPSK	15	0	23.12	22.92	22.85	
3	16QAM	1	0	23.35	23.27	23.09	24
3	16QAM	1	8	23.20	23.29	23.04	
3	16QAM	1	14	23.02	22.97	23.12	
3	16QAM	8	0	22.15	22.33	22.28	23
3	16QAM	8	4	22.20	22.23	22.08	
3	16QAM	8	7	22.00	22.07	22.07	
3	16QAM	15	0	22.14	22.04	21.94	

3	64QAM	1	0	22.13	22.31	22.27	23
3	64QAM	1	8	22.04	22.09	22.06	
3	64QAM	1	14	21.96	22.17	22.06	
3	64QAM	8	0	21.57	21.63	21.55	22
3	64QAM	8	4	21.52	21.49	21.50	
3	64QAM	8	7	21.40	21.56	21.49	
3	64QAM	15	0	21.45	21.34	21.29	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	24.19	24.29	24.20	25
1.4	QPSK	1	3	24.04	24.11	23.93	
1.4	QPSK	1	5	24.03	24.07	24.03	
1.4	QPSK	3	0	23.13	23.25	23.14	
1.4	QPSK	3	1	23.02	23.24	23.10	
1.4	QPSK	3	3	23.00	23.04	23.01	
1.4	QPSK	6	0	22.90	23.01	22.85	24
1.4	16QAM	1	0	23.34	23.35	23.26	24
1.4	16QAM	1	3	23.26	23.10	23.24	
1.4	16QAM	1	5	22.93	23.08	22.94	
1.4	16QAM	3	0	22.19	22.26	22.29	
1.4	16QAM	3	1	22.10	22.28	22.06	
1.4	16QAM	3	3	22.07	22.16	22.15	
1.4	16QAM	6	0	21.98	22.05	22.06	23
1.4	64QAM	1	0	22.22	22.29	22.26	23
1.4	64QAM	1	3	22.13	22.27	22.04	
1.4	64QAM	1	5	22.06	22.12	21.90	
1.4	64QAM	3	0	21.42	21.53	21.37	
1.4	64QAM	3	1	21.43	21.59	21.28	
1.4	64QAM	3	3	21.57	21.46	21.41	
1.4	64QAM	6	0	21.34	21.37	21.45	22

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	23.67	23.72	23.64	25
20	QPSK	1	49	23.54	23.59	23.53	
20	QPSK	1	99	23.52	23.61	23.49	
20	QPSK	50	0	22.55	22.61	22.58	24
20	QPSK	50	24	22.53	22.57	22.57	
20	QPSK	50	50	22.51	22.53	22.52	
20	QPSK	100	0	22.53	22.54	22.50	
20	16QAM	1	0	22.76	22.82	22.74	24
20	16QAM	1	49	22.52	22.70	22.54	
20	16QAM	1	99	22.52	22.63	22.51	
20	16QAM	50	0	21.62	21.78	21.57	23
20	16QAM	50	24	21.69	21.68	21.65	
20	16QAM	50	50	21.53	21.51	21.54	
20	16QAM	100	0	21.58	21.43	21.57	
20	64QAM	1	0	21.71	21.77	21.58	23
20	64QAM	1	49	21.50	21.56	21.56	
20	64QAM	1	99	21.51	21.67	21.52	
20	64QAM	50	0	20.91	21.17	21.05	22
20	64QAM	50	24	20.85	20.90	20.97	
20	64QAM	50	50	20.88	20.83	20.88	
20	64QAM	100	0	20.87	20.69	20.96	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.64	23.68	23.63	25
15	QPSK	1	37	23.60	23.61	23.50	
15	QPSK	1	74	23.52	23.59	23.51	
15	QPSK	36	0	22.58	22.67	22.55	24
15	QPSK	36	20	22.56	22.65	22.49	
15	QPSK	36	39	22.54	22.56	22.52	
15	QPSK	75	0	22.49	22.54	22.49	
15	16QAM	1	0	22.68	22.75	22.73	24
15	16QAM	1	37	22.55	22.72	22.59	
15	16QAM	1	74	22.54	22.57	22.50	
15	16QAM	36	0	21.83	21.88	21.70	23
15	16QAM	36	20	21.68	21.56	21.61	
15	16QAM	36	39	21.50	21.56	21.59	
15	16QAM	75	0	21.43	21.53	21.44	
15	64QAM	1	0	21.72	21.63	21.57	23
15	64QAM	1	37	21.56	21.57	21.52	
15	64QAM	1	74	21.54	21.51	21.54	
15	64QAM	36	0	20.88	21.17	21.01	22
15	64QAM	36	20	20.93	20.88	20.93	
15	64QAM	36	39	20.99	21.03	20.90	
15	64QAM	75	0	20.82	20.83	20.95	
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	
10	QPSK	1	0	23.64	23.66	23.59	25
10	QPSK	1	25	23.58	23.64	23.53	
10	QPSK	1	49	23.59	23.57	23.57	

10	QPSK	25	0	22.57	22.70	22.67	24
10	QPSK	25	12	22.62	22.64	22.46	
10	QPSK	25	25	22.55	22.47	22.53	
10	QPSK	50	0	22.59	22.53	22.49	
10	16QAM	1	0	22.78	22.72	22.79	24
10	16QAM	1	25	22.65	22.65	22.46	
10	16QAM	1	49	22.49	22.57	22.55	
10	16QAM	25	0	21.63	21.70	21.66	23
10	16QAM	25	12	21.53	21.57	21.55	
10	16QAM	25	25	21.57	21.68	21.49	
10	16QAM	50	0	21.59	21.49	21.52	
10	64QAM	1	0	21.59	21.70	21.74	23
10	64QAM	1	25	21.59	21.53	21.51	
10	64QAM	1	49	21.52	21.53	21.57	
10	64QAM	25	0	20.92	21.10	20.92	22
10	64QAM	25	12	21.08	20.97	20.92	
10	64QAM	25	25	20.90	21.03	20.77	
10	64QAM	50	0	20.92	20.87	20.79	
Channel				133147	133247	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	23.63	23.67	23.65	25
5	QPSK	1	12	23.52	23.59	23.61	
5	QPSK	1	24	23.59	23.62	23.49	
5	QPSK	12	0	22.56	22.72	22.46	24
5	QPSK	12	7	22.62	22.52	22.45	
5	QPSK	12	13	22.57	22.42	22.48	
5	QPSK	25	0	22.42	22.48	22.49	
5	16QAM	1	0	22.69	22.80	22.68	24
5	16QAM	1	12	22.54	22.64	22.47	
5	16QAM	1	24	22.55	22.58	22.43	
5	16QAM	12	0	21.66	21.84	21.73	23
5	16QAM	12	7	21.51	21.67	21.55	
5	16QAM	12	13	21.56	21.46	21.64	
5	16QAM	25	0	21.46	21.53	21.48	
5	64QAM	1	0	21.70	21.63	21.54	23
5	64QAM	1	12	21.54	21.69	21.45	
5	64QAM	1	24	21.63	21.49	21.47	
5	64QAM	12	0	21.01	21.14	20.84	22
5	64QAM	12	7	21.06	20.99	20.82	
5	64QAM	12	13	20.86	20.95	20.98	
5	64QAM	25	0	20.74	20.81	20.97	

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	17.80	18.50	Default
		CH 7	2442	18.25	19.00	Default
		CH 13	2472	15.80	19.50	Default
	802.11g 6Mbps	CH 1	2412	16.45	17.50	Default
		CH 7	2442	16.92	17.50	Default
		CH 13	2472	17.35	18.00	Default
	802.11n-HT20 MCS0	CH 1	2412	14.96	15.50	Default
		CH 7	2442	15.65	16.50	Default
		CH 13	2472	16.07	17.00	Default
	802.11n-HT40 MCS0	CH 3	2422	15.32	16.00	Default
		CH 7	2442	15.17	16.00	Default
		CH 11	2462	14.89	15.50	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	19.03	19.50	Default
		CH 44	5220	18.86	19.50	Default
		CH 48	5240	18.60	19.50	Default
	802.11n-HT20 MCS0	CH 36	5180	17.90	18.50	Default
		CH 44	5220	18.50	19.00	Default
		CH 48	5240	18.32	19.00	Default
	802.11n-HT40 MCS0	CH 38	5190	19.01	19.50	Default
		CH 46	5230	18.67	19.50	Default
	802.11ac-VHT20 MCS0	CH 36	5180	18.66	19.50	Default
		CH 44	5220	18.36	19.00	Default
		CH 48	5240	18.16	19.00	Default
	802.11ac-VHT40 MCS0	CH 38	5190	18.77	19.50	Default
		CH 46	5230	18.44	19.00	Default
		CH 42	5210	18.75	19.50	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	18.85	19.50	Default
		CH 60	5300	18.29	19.00	Default
		CH 64	5320	18.06	18.50	Default
	802.11n-HT20 MCS0	CH 52	5260	18.36	19.00	Default
		CH 60	5300	17.84	18.50	Default
		CH 64	5320	17.61	18.50	Default
	802.11n-HT40 MCS0	CH 54	5270	18.55	19.50	Default
		CH 62	5310	18.25	19.00	Default
	802.11ac-VHT20 MCS0	CH 52	5260	18.40	19.00	Default
		CH 60	5300	17.87	18.50	Default
		CH 64	5320	17.64	18.50	Default
	802.11ac-VHT40 MCS0	CH 54	5270	18.32	19.00	Default
		CH 62	5310	18.00	18.50	Default
		CH 58	5290	18.25	19.00	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	18.84	19.50	Default
		CH 118	5580	18.23	19.00	Default
		CH 140	5700	18.17	19.00	Default
	802.11n-HT20 MCS0	CH 100	5500	18.03	18.50	Default
		CH 118	5580	17.88	18.50	Default
		CH 140	5700	17.74	18.50	Default
	802.11n-HT40 MCS0	CH 102	5510	18.78	19.50	Default
		CH 110	5550	18.28	19.00	Default
		CH 134	5670	18.50	19.00	Default
	802.11ac-VHT20 MCS0	CH 100	5500	17.94	18.50	Default
		CH 118	5580	17.81	18.50	Default
		CH 140	5700	17.66	18.50	Default
	802.11ac-VHT40 MCS0	CH 110	5550	18.58	19.50	Default
		CH 134	5670	18.26	19.00	Default
		CH 108	5530	18.42	19.00	Default

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	18.35	19.00	Default
		CH 157	5785	18.12	19.00	Default
		CH 165	5825	17.90	18.50	Default
	802.11n-HT20 MCS0	CH 149	5745	17.74	18.50	Default
		CH 157	5785	17.71	18.50	Default
		CH 165	5825	17.86	18.50	Default
	802.11n-HT40 MCS0	CH 151	5755	18.32	19.00	Default
		CH 159	5795	18.05	18.50	Default
	802.11ac-VHT20 MCS0	CH 149	5745	17.65	18.50	Default
		CH 157	5785	17.59	18.50	Default
		CH 165	5825	17.34	18.00	Default
	802.11ac-VHT40 MCS0	CH 151	5755	18.08	19.00	Default
		CH 159	5795	17.81	18.50	Default
		CH 155	5775	18.10	19.00	Default



Mode	Channel	Frequency (MHz)	Average power (dBm)					
			1Mbps	Tune-up Limit	Duty Cycle %	2Mbps	Tune-up Limit	Duty Cycle %
LE	CH 00	2402	-2.77	-2.00	31.92	-2.56	-2.00	32.72
	CH 39	2441	-1.94	-1.00	31.91	-2.22	-1.50	32.77
	CH 78	2480	-2.83	-2.00	31.95	-2.36	-1.50	32.72
Power Setting			Default					

Mode	Channel	Frequency (MHz)	Average power (dBm)								
			1Mbps	Tune-up Limit	Duty Cycle %	2Mbps	Tune-up Limit	Duty Cycle %	1Mbps	Tune-up Limit	Duty Cycle %
BR / EDR	CH 00	2402	8.24	9.00	77.65	6.60	7.50	78.05	6.71	7.50	78.03
	CH 39	2441	7.94	8.50	77.63	7.03	8.00	78.13	7.23	8.00	78.11
	CH 78	2480	7.18	8.00	77.65	6.44	7.00	78.13	6.33	7.00	78.13
Power Setting			Default								

Reduced Power Level 1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)	Ch Delta > 0.5
	512	661	810		512	661	810		
TX Channel	1850.2	1880	1909.8		1850.2	1880	1909.8		
Frequency (MHz)	25.73	25.76	25.47	26.50	16.73	16.76	16.47	17.50	0.31
GSM 1 Tx slot	25.76	25.78	25.51	26.50	16.76	16.78	16.51	17.50	
GPRS 1 Tx slot	23.50	23.53	23.32	24.50	17.50	17.53	17.32	18.50	0.21
GPRS 2 Tx slots	21.77	21.82	21.55	22.50	17.51	17.56	17.29	18.24	0.27
GPRS 3 Tx slots	19.56	19.61	19.33	20.50	16.56	16.61	16.33	17.50	0.28
GPRS 4 Tx slots	23.75	23.79	23.46	24.50	14.75	14.79	14.46	15.50	0.33
EDGE 1 Tx slot	21.79	21.84	21.57	22.50	15.79	15.84	15.57	16.50	0.27
EDGE 2 Tx slots	18.81	18.86	18.60	19.50	14.55	14.60	14.34	15.24	0.26
EDGE 3 Tx slots	16.00	16.03	15.78	17.00	13.00	13.03	12.78	14.00	0.25
EDGE 4 Tx slots									
Mode		Max.	25.78			Max.	17.56		
Attenuator	Cable Loss : 0.8								
Date	12/10								

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	17.41	17.48	17.29	18.50	18.94	18.95	18.81	20.00
3GPP Rel 5	HSDPA Subtest-1	16.75	16.88	16.69	17.50	18.66	18.52	18.57	19.50
3GPP Rel 5	HSDPA Subtest-2	16.47	16.45	16.40	17.50	18.79	18.61	18.64	19.50
3GPP Rel 5	HSDPA Subtest-3	15.84	15.71	15.67	16.50	18.81	18.64	18.66	19.50
3GPP Rel 5	HSDPA Subtest-4	16.40	16.40	16.24	17.50	18.84	18.68	18.70	19.50
3GPP Rel 6	HSUPA Subtest-1	16.86	16.84	16.69	17.50	18.75	18.58	18.59	19.50
3GPP Rel 6	HSUPA Subtest-2	16.75	16.84	16.73	17.50	18.67	18.48	18.53	19.50
3GPP Rel 6	HSUPA Subtest-3	16.85	16.83	16.74	17.50	18.77	18.59	18.60	19.50
3GPP Rel 6	HSUPA Subtest-4	16.69	16.82	16.70	17.50	18.63	18.44	18.51	19.50
3GPP Rel 6	HSUPA Subtest-5	16.81	16.85	16.76	17.50	18.73	18.56	18.58	19.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.95	16.84	16.48	17.50	18.84	18.72	18.71	19.50
Attenuator		Cable Loss		0.8	Cable Loss		0.8		
Mode		Max.		17.48	Max.		18.95		
Date		12/10			12/10				

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	17.22	17.26	17.17	18
20	QPSK	1	49	17.14	17.21	17.00	
20	QPSK	1	99	17.09	17.10	16.94	
20	QPSK	50	0	16.11	16.14	16.08	
20	QPSK	50	24	16.05	16.10	16.01	17
20	QPSK	50	50	15.94	15.96	15.88	
20	QPSK	100	0	15.99	16.02	15.95	
20	16QAM	1	0	16.25	16.31	16.19	
20	16QAM	1	49	16.14	16.15	16.09	17
20	16QAM	1	99	16.01	16.07	15.99	
20	16QAM	50	0	15.22	15.30	15.17	
20	16QAM	50	24	15.14	15.17	15.09	
20	16QAM	50	50	15.05	15.08	15.02	16
20	16QAM	100	0	14.99	15.00	14.96	
20	64QAM	1	0	15.18	15.26	15.12	
20	64QAM	1	49	15.05	15.12	15.03	
20	64QAM	1	99	15.04	15.07	14.94	16
20	64QAM	50	0	14.50	14.59	14.45	
20	64QAM	50	24	14.46	14.49	14.36	
20	64QAM	50	50	14.42	14.44	14.39	
20	64QAM	100	0	14.37	14.32	14.38	15
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)
15	QPSK	1	0	17.17	17.22	17.09	18
15	QPSK	1	37	17.11	17.14	17.04	
15	QPSK	1	74	17.06	17.05	16.90	
15	QPSK	36	0	16.15	16.09	16.11	
15	QPSK	36	20	15.97	16.05	16.07	17
15	QPSK	36	39	16.04	15.94	15.92	
15	QPSK	75	0	16.00	15.97	15.84	
15	16QAM	1	0	16.24	16.19	16.12	
15	16QAM	1	37	16.19	16.07	15.94	17
15	16QAM	1	74	16.04	16.03	15.87	
15	16QAM	36	0	15.28	15.31	15.23	
15	16QAM	36	20	15.13	15.20	15.07	
15	16QAM	36	39	15.15	14.99	14.92	16
15	16QAM	75	0	14.98	15.00	14.99	
15	64QAM	1	0	15.26	15.31	14.97	
15	64QAM	1	37	14.96	15.00	14.90	
15	64QAM	1	74	14.89	14.94	14.99	15
15	64QAM	36	0	14.50	14.68	14.41	
15	64QAM	36	20	14.34	14.52	14.41	
15	64QAM	36	39	14.27	14.46	14.45	
15	64QAM	75	0	14.24	14.20	14.23	15
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)
10	QPSK	1	0	17.15	17.19	17.14	18
10	QPSK	1	25	17.09	17.15	17.05	
10	QPSK	1	49	17.01	17.12	16.97	
10	QPSK	25	0	16.02	15.99	15.99	
10	QPSK	25	12	16.08	16.03	16.11	17
10	QPSK	25	25	15.89	16.02	15.75	
10	QPSK	50	0	15.94	15.99	15.82	
10	16QAM	1	0	16.27	16.31	16.16	
10	16QAM	1	25	16.17	16.20	16.03	17
10	16QAM	1	49	16.11	16.00	15.95	
10	16QAM	25	0	15.30	15.19	15.25	
10	16QAM	25	12	15.08	15.09	15.07	
10	16QAM	25	25	15.09	14.97	15.03	16
10	16QAM	50	0	15.05	15.10	15.03	
10	64QAM	1	0	15.27	15.15	14.97	
10	64QAM	1	25	14.94	15.21	15.11	
10	64QAM	1	49	14.98	15.05	14.90	15
10	64QAM	25	0	14.54	14.58	14.47	
10	64QAM	25	12	14.51	14.57	14.41	
10	64QAM	25	25	14.33	14.30	14.36	
10	64QAM	50	0	14.37	14.37	14.44	15
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	QPSK	1	0	17.13	17.21	17.08	18
5	QPSK	1	12	17.05	17.10	17.03	
5	QPSK	1	24	17.11	17.10	16.89	
5	QPSK	12	0	16.15	16.00	16.09	
5	QPSK	12	7	16.12	15.96	16.11	17
5	QPSK	12	13	15.92	15.85	15.93	
5	QPSK	25	0	16.00	16.06	15.93	
5	16QAM	1	0	16.15	16.24	16.05	
5	16QAM	1	12	16.06	16.09	16.02	17
5	16QAM	1	24	15.96	15.93	15.87	
5	16QAM	12	0	15.07	15.19	15.23	
5	16QAM	12	7	15.04	15.06	15.03	
5	16QAM	12	13	15.13	15.10	14.90	16
5	16QAM	25	0	14.96	14.92	15.03	
5	64QAM	1	0	15.15	15.16	15.14	
5	64QAM	1	12	15.04	15.18	15.06	
5	64QAM	1	24	15.02	14.95	14.91	15
5	64QAM	12	0	14.44	14.66	14.42	
5	64QAM	12	7	14.50	14.46	14.36	
5	64QAM	12	13	14.44	14.34	14.42	
5	64QAM	25	0	14.41	14.26	14.32	15
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)
3	QPSK	1	0	17.09	17.23	17.12	18
3	QPSK	1	8	17.05	17.08	17.05	
3	QPSK	1	14	16.99	17.02	17.02	

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	18.41	18.46	18.42	19.5
20	QPSK	1	49	18.39	18.32	18.28	
20	QPSK	1	99	18.34	18.41	18.36	
20	QPSK	50	0	17.38	17.41	17.37	
20	QPSK	50	24	17.24	17.26	17.18	18.5
20	QPSK	50	50	17.16	17.25	17.27	
20	QPSK	100	0	17.22	17.36	17.24	
20	16QAM	1	0	17.46	17.57	17.48	
20	16QAM	1	49	17.27	17.38	17.28	18.5
20	16QAM	1	99	17.23	17.40	17.29	
20	16QAM	50	0	16.33	16.47	16.25	
20	16QAM	50	24	16.40	16.43	16.27	
20	16QAM	50	50	16.32	16.18	16.21	17.5
20	16QAM	100	0	16.19	16.22	16.10	
20	64QAM	1	0	16.47	16.52	16.41	
20	64QAM	1	49	16.17	16.38	16.30	
20	64QAM	1	99	16.21	16.23	16.21	17.5
20	64QAM	50	0	15.64	15.83	15.54	
20	64QAM	50	24	15.69	15.63	15.47	
20	64QAM	50	50	15.53	15.54	15.64	
20	64QAM	100	0	15.47	15.40	15.65	16.5
Channel				20025	20175	20325	
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)
15	QPSK	1	0	18.32	18.43	18.40	19.5
15	QPSK	1	37	18.24	18.31	18.28	
15	QPSK	1	74	18.19	18.34	18.30	
15	QPSK	36	0	17.33	17.39	17.35	
15	QPSK	36	20	17.15	17.27	17.16	18.5
15	QPSK	36	39	17.20	17.23	17.20	
15	QPSK	75	0	17.24	17.28	17.19	
15	16QAM	1	0	17.45	17.40	17.37	
15	16QAM	1	37	17.25	17.39	17.30	18.5
15	16QAM	1	74	17.30	17.32	17.21	
15	16QAM	36	0	16.27	16.42	16.31	
15	16QAM	36	20	16.35	16.45	16.22	
15	16QAM	36	39	16.35	16.14	16.20	17.5
15	16QAM	75	0	16.05	16.06	16.16	
15	64QAM	1	0	16.30	16.42	16.33	
15	64QAM	1	37	16.31	16.35	16.27	
15	64QAM	1	74	16.32	16.22	16.17	17.5
15	64QAM	36	0	15.67	15.77	15.63	
15	64QAM	36	20	15.75	15.79	15.64	
15	64QAM	36	39	15.50	15.52	15.49	
15	64QAM	75	0	15.43	15.58	15.55	16.5
Channel				20000	20175	20350	
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)
10	QPSK	1	0	18.35	18.40	18.37	19.5
10	QPSK	1	25	18.28	18.31	18.28	
10	QPSK	1	49	18.31	18.30	18.24	
10	QPSK	25	0	17.20	17.20	17.17	
10	QPSK	25	12	17.29	17.30	17.30	18.5
10	QPSK	25	25	17.24	17.14	17.09	
10	QPSK	50	0	17.13	17.24	17.06	
10	16QAM	1	0	17.32	17.54	17.40	
10	16QAM	1	25	17.27	17.23	17.35	18.5
10	16QAM	1	49	17.22	17.22	17.26	
10	16QAM	25	0	16.38	16.50	16.43	
10	16QAM	25	12	16.25	16.38	16.21	
10	16QAM	25	25	16.25	16.24	16.19	17.5
10	16QAM	50	0	16.26	16.23	16.15	
10	64QAM	1	0	16.24	16.33	16.41	
10	64QAM	1	25	16.24	16.34	16.15	
10	64QAM	1	49	16.13	16.29	16.17	17.5
10	64QAM	25	0	15.57	15.76	15.68	
10	64QAM	25	12	15.66	15.61	15.60	
10	64QAM	25	25	15.54	15.73	15.56	
10	64QAM	50	0	15.51	15.46	15.64	16.5
Channel				19975	20175	20375	
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)
5	QPSK	1	0	18.36	18.41	18.38	19.5
5	QPSK	1	12	18.21	18.38	18.29	
5	QPSK	1	24	18.16	18.21	18.20	
5	QPSK	12	0	17.24	17.34	17.32	
5	QPSK	12	7	17.14	17.31	17.10	18.5
5	QPSK	12	13	17.17	17.24	17.17	
5	QPSK	25	0	17.09	17.29	17.09	
5	16QAM	1	0	17.33	17.45	17.45	
5	16QAM	1	12	17.37	17.43	17.20	18.5
5	16QAM	1	24	17.13	17.32	17.09	
5	16QAM	12	0	16.30	16.57	16.37	
5	16QAM	12	7	16.24	16.25	16.26	
5	16QAM	12	13	16.29	16.37	16.29	17.5
5	16QAM	25	0	16.12	16.10	16.15	
5	64QAM	1	0	16.40	16.51	16.37	
5	64QAM	1	12	16.17	16.24	16.32	
5	64QAM	1	24	16.33	16.31	16.24	17.5
5	64QAM	12	0	15.64	15.84	15.70	
5	64QAM	12	7	15.64	15.64	15.48	
5	64QAM	12	13	15.67	15.51	15.48	
5	64QAM	25	0	15.47	15.50	15.60	16.5
Channel				19965	20175	20385	
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)
3	QPSK	1	0	18.32	18.39	18.25	19.5
3	QPSK	1	8	18.20	18.36	18.22	
3	QPSK	1	14	18.26	18.27	18.19	

3	QPSK	8	0	16.20	16.22	16.07	17
3	QPSK	8	4	16.11	16.09	15.96	
3	QPSK	8	7	16.04	15.96	15.90	
3	QPSK	15	0	15.91	15.87	15.84	
3	16QAM	1	0	16.20	16.26	16.05	17
3	16QAM	1	8	16.04	16.14	15.97	
3	16QAM	1	14	15.97	15.94	15.95	
3	16QAM	8	0	15.20	15.25	15.03	
3	16QAM	8	4	15.03	15.13	15.01	16
3	16QAM	8	7	15.00	15.17	14.90	
3	16QAM	15	0	15.08	15.07	14.90	
3	64QAM	1	0	15.23	15.24	15.04	
3	64QAM	1	8	14.93	15.21	14.89	16
3	64QAM	1	14	14.92	14.92	15.00	
3	64QAM	8	0	14.56	14.60	14.43	
3	64QAM	8	4	14.38	14.48	14.31	
3	64QAM	8	7	14.36	14.51	14.29	15
3	64QAM	15	0	14.28	14.39	14.40	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	17.13	17.20	17.15	18
1.4	QPSK	1	3	17.08	17.18	16.90	
1.4	QPSK	1	5	16.98	17.04	17.02	
1.4	QPSK	3	0	16.02	16.23	16.04	
1.4	QPSK	3	1	16.10	16.03	16.09	
1.4	QPSK	3	3	16.04	16.05	16.01	
1.4	QPSK	6	0	16.05	16.04	15.83	17
1.4	16QAM	1	0	16.27	16.27	16.15	17
1.4	16QAM	1	3	16.19	16.06	16.06	
1.4	16QAM	1	5	15.96	16.05	16.01	
1.4	16QAM	3	0	15.12	15.24	15.08	
1.4	16QAM	3	1	15.11	15.13	15.02	
1.4	16QAM	3	3	15.11	15.08	15.11	
1.4	16QAM	6	0	15.05	14.92	14.85	16
1.4	64QAM	1	0	15.20	15.31	15.16	16
1.4	64QAM	1	3	15.01	15.02	15.01	
1.4	64QAM	1	5	15.00	15.10	14.96	
1.4	64QAM	3	0	14.52	14.49	14.31	
1.4	64QAM	3	1	14.49	14.35	14.44	
1.4	64QAM	3	3	14.31	14.50	14.44	
1.4	64QAM	6	0	14.38	14.22	14.42	15

3	QPSK	8	0	17.19	17.25	17.13	18.5
3	QPSK	8	4	17.32	17.25	17.08	
3	QPSK	8	7	17.17	17.07	17.10	
3	QPSK	15	0	17.20	17.21	17.14	
3	16QAM	1	0	17.39	17.52	17.31	18.5
3	16QAM	1	8	17.35	17.35	17.17	
3	16QAM	1	14	17.12	17.32	17.23	
3	16QAM	8	0	16.51	16.47	16.45	
3	16QAM	8	4	16.39	16.38	16.26	17.5
3	16QAM	8	7	16.11	16.37	16.25	
3	16QAM	15	0	16.17	16.25	16.09	
3	64QAM	1	0	16.26	16.44	16.19	
3	64QAM	1	8	16.17	16.32	16.24	17.5
3	64QAM	1	14	16.29	16.37	16.06	
3	64QAM	8	0	15.61	15.79	15.69	
3	64QAM	8	4	15.75	15.72	15.56	
3	64QAM	8	7	15.59	15.59	15.45	16.5
3	64QAM	15	0	15.43	15.43	15.67	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	18.36	18.40	18.36	19.5
1.4	QPSK	1	3	18.35	18.35	18.21	
1.4	QPSK	1	5	18.22	18.25	18.24	
1.4	QPSK	3	0	17.33	17.19	17.19	
1.4	QPSK	3	1	17.10	17.34	17.20	
1.4	QPSK	3	3	17.01	17.13	17.02	
1.4	QPSK	6	0	17.12	17.15	17.20	18.5
1.4	16QAM	1	0	17.31	17.42	17.31	18.5
1.4	16QAM	1	3	17.33	17.39	17.26	
1.4	16QAM	1	5	17.06	17.28	17.24	
1.4	16QAM	3	0	16.44	16.46	16.38	
1.4	16QAM	3	1	16.44	16.37	16.17	
1.4	16QAM	3	3	16.17	16.26	16.19	
1.4	16QAM	6	0	16.26	16.23	16.22	17.5
1.4	64QAM	1	0	16.39	16.56	16.28	17.5
1.4	64QAM	1	3	16.16	16.35	16.28	
1.4	64QAM	1	5	16.28	16.25	16.19	
1.4	64QAM	3	0	15.73	15.69	15.66	
1.4	64QAM	3	1	15.58	15.75	15.65	
1.4	64QAM	3	3	15.67	15.60	15.53	
1.4	64QAM	6	0	15.52	15.50	15.46	16.5

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	15.85	15.91	15.88	17
20	QPSK	1	49	15.79	15.89	15.74	
20	QPSK	1	99	15.66	15.75	15.63	
20	QPSK	50	0	14.77	14.80	14.67	16
20	QPSK	50	24	14.74	14.67	14.65	
20	QPSK	50	50	14.60	14.72	14.57	
20	QPSK	100	0	14.68	14.70	14.59	16
20	16QAM	1	0	14.91	14.94	14.73	
20	16QAM	1	49	14.83	14.75	14.62	
20	16QAM	1	99	14.71	14.79	14.66	15
20	16QAM	50	0	13.82	13.83	13.72	
20	16QAM	50	24	13.73	13.75	13.68	
20	16QAM	50	50	13.65	13.79	13.59	15
20	16QAM	100	0	13.61	13.59	13.47	
20	64QAM	1	0	13.91	13.80	13.80	
20	64QAM	1	49	13.72	13.87	13.58	15
20	64QAM	1	99	13.71	13.66	13.58	
20	64QAM	50	0	13.19	13.24	13.03	
20	64QAM	50	24	13.07	13.07	12.99	14
20	64QAM	50	50	12.97	13.07	13.14	
20	64QAM	100	0	13.11	13.01	12.88	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	15.82	15.89	15.80	17
15	QPSK	1	37	15.71	15.85	15.56	
15	QPSK	1	74	15.61	15.71	15.62	
15	QPSK	36	0	14.82	14.68	14.64	16
15	QPSK	36	20	14.79	14.61	14.58	
15	QPSK	36	39	14.60	14.60	14.63	
15	QPSK	75	0	14.68	14.68	14.70	16
15	16QAM	1	0	14.75	14.98	14.91	
15	16QAM	1	37	14.76	14.80	14.73	
15	16QAM	1	74	14.59	14.69	14.59	15
15	16QAM	36	0	13.74	13.90	13.85	
15	16QAM	36	20	13.82	13.76	13.64	
15	16QAM	36	39	13.69	13.80	13.71	15
15	16QAM	75	0	13.61	13.71	13.58	
15	64QAM	1	0	13.86	13.91	13.69	
15	64QAM	1	37	13.79	13.66	13.59	15
15	64QAM	1	74	13.74	13.79	13.62	
15	64QAM	36	0	13.04	13.21	13.12	
15	64QAM	36	20	13.06	13.16	12.89	14
15	64QAM	36	39	12.94	13.03	13.04	
15	64QAM	75	0	12.98	12.88	13.10	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	15.85	15.87	15.82	17
10	QPSK	1	25	15.65	15.81	15.75	
10	QPSK	1	49	15.66	15.80	15.68	
10	QPSK	25	0	14.79	14.70	14.65	16
10	QPSK	25	12	14.80	14.75	14.61	
10	QPSK	25	25	14.66	14.68	14.47	
10	QPSK	50	0	14.51	14.54	14.58	16
10	16QAM	1	0	14.93	14.86	14.80	
10	16QAM	1	25	14.85	14.83	14.79	
10	16QAM	1	49	14.55	14.80	14.66	15
10	16QAM	25	0	13.90	14.02	13.72	
10	16QAM	25	12	13.77	13.69	13.72	
10	16QAM	25	25	13.68	13.75	13.67	15
10	16QAM	50	0	13.62	13.66	13.59	
10	64QAM	1	0	13.78	13.79	13.80	
10	64QAM	1	25	13.61	13.69	13.59	15
10	64QAM	1	49	13.57	13.60	13.60	
10	64QAM	25	0	13.07	13.34	13.14	
10	64QAM	25	12	13.15	13.17	13.09	14
10	64QAM	25	25	13.09	13.10	13.13	
10	64QAM	50	0	12.88	12.89	13.08	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	15.76	15.90	15.79	17
5	QPSK	1	12	15.72	15.82	15.56	
5	QPSK	1	24	15.68	15.83	15.59	
5	QPSK	12	0	14.78	14.65	14.80	16
5	QPSK	12	7	14.61	14.78	14.67	
5	QPSK	12	13	14.57	14.71	14.59	
5	QPSK	25	0	14.63	14.72	14.67	16
5	16QAM	1	0	14.82	15.01	14.87	
5	16QAM	1	12	14.80	14.77	14.71	
5	16QAM	1	24	14.63	14.69	14.65	15
5	16QAM	12	0	13.88	13.91	13.70	
5	16QAM	12	7	13.88	13.83	13.61	
5	16QAM	12	13	13.65	13.74	13.53	15
5	16QAM	25	0	13.53	13.55	13.69	
5	64QAM	1	0	13.91	13.93	13.87	
5	64QAM	1	12	13.67	13.67	13.73	15
5	64QAM	1	24	13.76	13.78	13.67	
5	64QAM	12	0	13.09	13.18	13.14	
5	64QAM	12	7	12.97	13.10	12.88	14
5	64QAM	12	13	12.94	12.96	12.91	
5	64QAM	25	0	12.98	12.88	12.90	

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	18.85	18.87	18.73	19.5	
20	QPSK	1	49	18.70	18.75	18.57		
20	QPSK	1	99	18.62	18.68	18.61		
20	QPSK	50	0	17.63	17.66	17.60	18.5	
20	QPSK	50	24	17.52	17.56	17.45		
20	QPSK	50	50	17.38	17.49	17.40		
20	QPSK	100	0	17.60	17.64	17.49	18.5	
20	16QAM	1	0	17.79	17.82	17.64		
20	16QAM	1	49	17.59	17.76	17.57		
20	16QAM	1	99	17.50	17.71	17.45	17.5	
20	16QAM	50	0	16.69	16.83	16.80		
20	16QAM	50	24	16.67	16.71	16.73		
20	16QAM	50	50	16.53	16.50	16.54	17.5	
20	16QAM	100	0	16.50	16.44	16.44		
20	64QAM	1	0	16.63	16.79	16.72		
20	64QAM	1	49	16.51	16.73	16.50	17.5	
20	64QAM	1	99	16.52	16.59	16.43		
20	64QAM	50	0	16.07	16.00	16.06		
20	64QAM	50	24	16.02	15.90	15.99	16.5	
20	64QAM	50	50	15.89	15.94	15.93		
20	64QAM	100	0	15.81	15.80	15.93		
Channel				132047	132322	132597	Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.77	18.83	18.69	19.5	
15	QPSK	1	37	18.64	18.79	18.65		
15	QPSK	1	74	18.72	18.65	18.53		
15	QPSK	36	0	17.58	17.71	17.65	18.5	
15	QPSK	36	20	17.64	17.63	17.48		
15	QPSK	36	39	17.38	17.41	17.52		
15	QPSK	75	0	17.51	17.43	17.37	18.5	
15	16QAM	1	0	17.73	17.83	17.66		
15	16QAM	1	37	17.57	17.69	17.72		
15	16QAM	1	74	17.57	17.47	17.54	17.5	
15	16QAM	36	0	16.75	16.72	16.68		
15	16QAM	36	20	16.54	16.82	16.62		
15	16QAM	36	39	16.46	16.61	16.63	17.5	
15	16QAM	75	0	16.50	16.47	16.53		
15	64QAM	1	0	16.63	16.74	16.59		
15	64QAM	1	37	16.60	16.53	16.47	17.5	
15	64QAM	1	74	16.44	16.63	16.46		
15	64QAM	36	0	16.08	16.06	15.91	16.5	
15	64QAM	36	20	15.93	15.95	15.80		
15	64QAM	36	39	16.07	15.90	15.81		
15	64QAM	75	0	15.83	15.77	15.96	16.5	
Channel				132022	132322	132622		Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.74	18.81	18.59	19.5	
10	QPSK	1	25	18.61	18.79	18.65		
10	QPSK	1	49	18.57	18.65	18.55		
10	QPSK	25	0	17.66	17.75	17.51	18.5	
10	QPSK	25	12	17.57	17.63	17.47		
10	QPSK	25	25	17.42	17.52	17.44		
10	QPSK	50	0	17.49	17.44	17.59	18.5	
10	16QAM	1	0	17.76	17.79	17.65		
10	16QAM	1	25	17.63	17.61	17.72		
10	16QAM	1	49	17.65	17.47	17.47	17.5	
10	16QAM	25	0	16.86	16.80	16.78		
10	16QAM	25	12	16.56	16.65	16.66		
10	16QAM	25	25	16.64	16.68	16.54	17.5	
10	16QAM	50	0	16.61	16.59	16.39		
10	64QAM	1	0	16.65	16.69	16.52		
10	64QAM	1	25	16.52	16.56	16.43	17.5	
10	64QAM	1	49	16.67	16.66	16.42		
10	64QAM	25	0	16.03	16.05	15.98		
10	64QAM	25	12	15.89	15.93	15.96	16.5	
10	64QAM	25	25	15.83	15.96	15.94		
10	64QAM	50	0	15.92	15.83	15.88		
Channel				131997	132322	132647	Tune-up limit (dBm)	
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.62	18.78	18.64	19.5	
5	QPSK	1	12	18.68	18.73	18.53		
5	QPSK	1	24	18.63	18.54	18.46		
5	QPSK	12	0	17.71	17.59	17.68	18.5	
5	QPSK	12	7	17.67	17.67	17.50		
5	QPSK	12	13	17.40	17.42	17.51		
5	QPSK	25	0	17.45	17.65	17.36	18.5	
5	16QAM	1	0	17.83	17.86	17.73		
5	16QAM	1	12	17.56	17.66	17.73		
5	16QAM	1	24	17.57	17.54	17.57	17.5	
5	16QAM	12	0	16.73	16.84	16.78		
5	16QAM	12	7	16.70	16.80	16.67		
5	16QAM	12	13	16.51	16.70	16.53	17.5	
5	16QAM	25	0	16.46	16.54	16.58		
5	64QAM	1	0	16.75	16.78	16.65		
5	64QAM	1	12	16.59	16.74	16.48	17.5	
5	64QAM	1	24	16.46	16.61	16.42		
5	64QAM	12	0	15.97	16.20	16.04		
5	64QAM	12	7	15.88	16.11	15.84	16.5	
5	64QAM	12	13	16.01	15.88	15.85		
5	64QAM	25	0	15.77	15.82	15.83		
Channel				131987	132322	132657	Tune-up limit (dBm)	
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.75	18.80	18.74	19.5	
3	QPSK	1	8	18.68	18.74	18.58		
3	QPSK	1	14	18.66	18.63	18.46		

3	QPSK	8	0	17.66	17.59	17.50	18.5
3	QPSK	8	4	17.65	17.59	17.59	
3	QPSK	8	7	17.50	17.46	17.28	
3	QPSK	15	0	17.62	17.42	17.35	18.5
3	16QAM	1	0	17.85	17.77	17.59	
3	16QAM	1	8	17.70	17.79	17.54	
3	16QAM	1	14	17.52	17.47	17.62	17.5
3	16QAM	8	0	16.65	16.83	16.78	
3	16QAM	8	4	16.70	16.73	16.58	
3	16QAM	8	7	16.50	16.57	16.57	17.5
3	16QAM	15	0	16.64	16.54	16.44	
3	64QAM	1	0	16.63	16.81	16.77	
3	64QAM	1	8	16.54	16.59	16.56	16.5
3	64QAM	1	14	16.46	16.67	16.56	
3	64QAM	8	0	16.07	16.13	16.05	
3	64QAM	8	4	16.02	15.99	16.00	16.5
3	64QAM	8	7	15.90	16.06	15.99	
3	64QAM	15	0	15.95	15.84	15.79	
Channel				131979	132322	132685	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	18.69	18.79	18.70	19.5
1.4	QPSK	1	3	18.54	18.61	18.43	
1.4	QPSK	1	5	18.53	18.57	18.53	
1.4	QPSK	3	0	17.63	17.75	17.64	
1.4	QPSK	3	1	17.52	17.74	17.60	
1.4	QPSK	3	3	17.50	17.54	17.51	
1.4	QPSK	6	0	17.40	17.51	17.35	18.5
1.4	16QAM	1	0	17.84	17.85	17.76	
1.4	16QAM	1	3	17.76	17.60	17.74	
1.4	16QAM	1	5	17.43	17.58	17.44	18.5
1.4	16QAM	3	0	16.69	16.76	16.79	
1.4	16QAM	3	1	16.60	16.78	16.56	
1.4	16QAM	3	3	16.57	16.66	16.65	17.5
1.4	16QAM	6	0	16.48	16.55	16.56	
1.4	64QAM	1	0	16.72	16.79	16.76	
1.4	64QAM	1	3	16.63	16.77	16.54	17.5
1.4	64QAM	1	5	16.56	16.62	16.40	
1.4	64QAM	3	0	15.92	16.03	15.87	
1.4	64QAM	3	1	15.93	16.09	15.78	
1.4	64QAM	3	3	16.07	15.96	15.91	
1.4	64QAM	6	0	15.84	15.87	15.95	

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	15.80	16.50	13.00	97.85
		CH 7	2442	16.25	17.00	13.00	
		CH 13	2472	16.89	17.50	13.00	
	802.11g 6Mbps	CH 1	2412	14.45	15.50	13.00	89.13
		CH 7	2442	14.92	15.50	13.00	
		CH 13	2472	15.35	16.00	13.00	
	802.11n-HT20 MCS0	CH 1	2412	12.96	13.50	13.00	87.22
		CH 7	2442	13.65	14.50	13.00	
		CH 13	2472	14.07	15.00	13.00	
	802.11n-HT40 MCS0	CH 3	2422	13.32	14.00	13.00	75.76
		CH 7	2442	13.17	14.00	13.00	
		CH 11	2462	12.89	13.50	13.00	

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	15.83	15.50	11.00	89.17
		CH 44	5220	14.86	15.50	11.00	
		CH 48	5240	14.60	15.50	11.00	
	802.11n-HT20 MCS0	CH 36	5180	13.90	14.50	11.00	86.67
		CH 44	5220	14.50	15.00	11.00	
		CH 48	5240	14.32	15.00	11.00	
	802.11n-HT40 MCS0	CH 38	5190	15.01	15.50	11.00	76.62
		CH 46	5230	14.67	15.50	11.00	
	802.11ac-VHT20 MCS0	CH 36	5180	14.66	15.50	11.00	87.50
		CH 44	5220	14.36	15.00	11.00	
		CH 48	5240	14.16	15.00	11.00	
	802.11ac-VHT40 MCS0	CH 38	5190	14.77	15.50	11.00	76.62
		CH 46	5230	14.44	15.00	11.00	
	802.11ac-VHT80 MCS0	CH 42	5210	14.75	15.50	11.00	61.70

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	16.85	17.50	11.00	89.10
		CH 60	5300	16.29	17.00	11.00	
		CH 64	5320	16.06	16.50	11.00	
	802.11n-HT20 MCS0	CH 52	5260	16.36	17.00	11.00	87.31
		CH 60	5300	15.84	16.50	11.00	
		CH 64	5320	15.61	16.50	11.00	
	802.11n-HT40 MCS0	CH 54	5270	16.55	17.50	11.00	75.64
		CH 62	5310	16.25	17.00	11.00	
	802.11ac-VHT20 MCS0	CH 52	5260	16.40	17.00	11.00	87.41
		CH 60	5300	15.87	16.50	11.00	
		CH 64	5320	15.64	16.50	11.00	
	802.11ac-VHT40 MCS0	CH 54	5270	16.32	17.00	11.00	77.63
		CH 62	5310	16.00	16.50	11.00	
	802.11ac-VHT80 MCS0	CH 58	5290	16.25	17.00	11.00	60.00

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	5500	16.84	17.50	11.00	88.61
		CH 118	5580	16.23	17.00	11.00	
		CH 140	5700	16.17	17.00	11.00	
	802.11n-HT20 MCS0	CH 100	5500	16.03	16.50	11.00	86.76
		CH 118	5580	15.88	16.50	11.00	
		CH 140	5700	15.74	16.50	11.00	
	802.11n-HT40 MCS0	CH 102	5510	16.78	17.50	11.00	73.42
		CH 110	5550	16.28	17.00	11.00	
	802.11ac-VHT20 MCS0	CH 134	5670	16.50	17.00	11.00	87.41
		CH 100	5500	15.94	16.50	11.00	
		CH 118	5580	15.81	16.50	11.00	
	802.11ac-VHT40 MCS0	CH 140	5700	15.66	16.50	11.00	77.63
		CH 110	5550	16.58	17.50	11.00	
	802.11ac-VHT80 MCS0	CH 134	5670	16.26	17.00	11.00	63.83
		CH 106	5530	16.42	17.00	11.00	
		CH 138	5690	16.25	17.00	11.00	

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	12.35	13.00	9.00	88.54
		CH 157	5785	12.12	12.50	9.00	
		CH 165	5825	11.90	12.50	9.00	
	802.11n-HT20 MCS0	CH 149	5745	11.74	12.50	9.00	86.67
		CH 157	5785	11.71	12.50	9.00	
		CH 165	5825	11.86	12.50	9.00	
	802.11n-HT40 MCS0	CH 151	5755	12.32	13.00	9.00	76.62
		CH 159	5795	12.05	12.50	9.00	
	802.11ac-VHT20 MCS0	CH 149	5745	11.65	12.50	9.00	87.41
		CH 157	5785	11.59	12.50	9.00	
		CH 165	5825	11.34	12.00	9.00	
	802.11ac-VHT40 MCS0	CH 151	5755	12.08	13.00	9.00	73.75
		CH 159	5795	11.81	12.50	9.00	
	802.11ac-VHT80 MCS0	CH 155	5775	12.10	13.00	9.00	63.04

Reduced Power Level 2

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	23.22	23.28	23.17	24
20	QPSK	1	49	23.14	23.21	23.00	
20	QPSK	1	99	23.09	23.10	22.94	
20	QPSK	50	0	22.11	22.14	22.08	23
20	QPSK	50	24	22.05	22.10	22.01	
20	QPSK	50	50	21.94	21.96	21.88	
20	QPSK	100	0	21.99	22.02	21.95	23
20	16QAM	1	0	22.25	22.31	22.19	
20	16QAM	1	49	22.14	22.15	22.09	
20	16QAM	1	99	22.01	22.07	21.99	22
20	16QAM	50	0	21.22	21.30	21.17	
20	16QAM	50	24	21.14	21.17	21.09	
20	16QAM	50	50	21.05	21.08	21.02	22
20	16QAM	100	0	20.99	21.00	20.96	
20	64QAM	1	0	21.18	21.26	21.12	
20	64QAM	1	49	21.05	21.12	21.03	22
20	64QAM	1	99	21.04	21.07	20.94	
20	64QAM	50	0	20.50	20.59	20.45	21
20	64QAM	50	24	20.46	20.49	20.36	
20	64QAM	50	50	20.42	20.44	20.39	
20	64QAM	100	0	20.37	20.32	20.38	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.17	23.22	23.09	24
15	QPSK	1	37	23.11	23.14	23.04	
15	QPSK	1	74	23.06	23.05	22.90	
15	QPSK	36	0	22.15	22.09	22.11	23
15	QPSK	36	20	21.97	22.05	22.07	
15	QPSK	36	39	22.04	21.94	21.92	
15	QPSK	75	0	22.00	21.97	21.84	23
15	16QAM	1	0	22.24	22.19	22.12	
15	16QAM	1	37	22.19	22.07	21.94	
15	16QAM	1	74	22.04	22.03	21.87	22
15	16QAM	36	0	21.28	21.31	21.23	
15	16QAM	36	20	21.13	21.20	21.07	
15	16QAM	36	39	21.15	20.99	20.92	22
15	16QAM	75	0	20.98	21.00	20.99	
15	64QAM	1	0	21.26	21.31	20.97	
15	64QAM	1	37	20.96	21.00	20.90	22
15	64QAM	1	74	20.89	20.94	20.99	
15	64QAM	36	0	20.50	20.68	20.41	21
15	64QAM	36	20	20.34	20.52	20.41	
15	64QAM	36	39	20.27	20.46	20.45	
15	64QAM	75	0	20.24	20.20	20.23	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.15	23.19	23.14	24
10	QPSK	1	25	23.09	23.15	23.05	

10	QPSK	1	49	23.01	23.12	22.97	23
10	QPSK	25	0	22.02	21.99	21.99	
10	QPSK	25	12	22.08	22.03	22.11	
10	QPSK	25	25	21.89	22.02	21.75	
10	QPSK	50	0	21.94	21.99	21.82	
10	16QAM	1	0	22.27	22.31	22.16	23
10	16QAM	1	25	22.17	22.20	22.03	
10	16QAM	1	49	22.11	22.00	21.95	
10	16QAM	25	0	21.30	21.19	21.25	22
10	16QAM	25	12	21.08	21.09	21.07	
10	16QAM	25	25	21.09	20.97	21.03	
10	16QAM	50	0	21.05	21.10	21.03	
10	64QAM	1	0	21.27	21.15	20.97	22
10	64QAM	1	25	20.94	21.21	21.11	
10	64QAM	1	49	20.98	21.05	20.90	
10	64QAM	25	0	20.54	20.58	20.47	21
10	64QAM	25	12	20.51	20.57	20.41	
10	64QAM	25	25	20.33	20.30	20.36	
10	64QAM	50	0	20.37	20.37	20.44	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.13	23.21	23.08	24
5	QPSK	1	12	23.05	23.10	23.03	
5	QPSK	1	24	23.11	23.10	22.89	
5	QPSK	12	0	22.15	22.00	22.09	23
5	QPSK	12	7	22.12	21.96	22.11	
5	QPSK	12	13	21.92	21.85	21.93	
5	QPSK	25	0	22.00	22.06	21.93	
5	16QAM	1	0	22.15	22.24	22.05	23
5	16QAM	1	12	22.06	22.09	22.02	
5	16QAM	1	24	21.96	21.93	21.87	
5	16QAM	12	0	21.07	21.19	21.23	22
5	16QAM	12	7	21.04	21.06	21.03	
5	16QAM	12	13	21.13	21.10	20.90	
5	16QAM	25	0	20.96	20.92	21.03	
5	64QAM	1	0	21.15	21.16	21.14	22
5	64QAM	1	12	21.04	21.18	21.06	
5	64QAM	1	24	21.02	20.95	20.91	
5	64QAM	12	0	20.44	20.66	20.42	21
5	64QAM	12	7	20.50	20.46	20.36	
5	64QAM	12	13	20.44	20.34	20.42	
5	64QAM	25	0	20.41	20.26	20.32	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.09	23.23	23.12	24
3	QPSK	1	8	23.05	23.08	23.05	
3	QPSK	1	14	22.99	23.02	23.02	
3	QPSK	8	0	22.20	22.22	22.07	23
3	QPSK	8	4	22.11	22.09	21.96	
3	QPSK	8	7	22.04	21.96	21.90	
3	QPSK	15	0	21.91	21.87	21.84	
3	16QAM	1	0	22.20	22.26	22.05	23
3	16QAM	1	8	22.04	22.14	21.97	
3	16QAM	1	14	21.97	21.94	21.95	
3	16QAM	8	0	21.20	21.25	21.03	22
3	16QAM	8	4	21.03	21.13	21.01	
3	16QAM	8	7	21.00	21.17	20.90	

3	16QAM	15	0	21.08	21.07	20.90	22
3	64QAM	1	0	21.23	21.24	21.04	
3	64QAM	1	8	20.93	21.21	20.89	
3	64QAM	1	14	20.92	20.92	21.00	
3	64QAM	8	0	20.56	20.60	20.43	21
3	64QAM	8	4	20.38	20.48	20.31	
3	64QAM	8	7	20.36	20.51	20.29	
3	64QAM	15	0	20.28	20.39	20.40	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.13	23.20	23.15	24
1.4	QPSK	1	3	23.08	23.18	22.90	
1.4	QPSK	1	5	22.98	23.04	23.02	
1.4	QPSK	3	0	22.02	22.23	22.04	
1.4	QPSK	3	1	22.10	22.03	22.09	
1.4	QPSK	3	3	22.04	22.05	22.01	
1.4	QPSK	6	0	22.05	22.04	21.83	23
1.4	16QAM	1	0	22.27	22.27	22.15	23
1.4	16QAM	1	3	22.19	22.06	22.06	
1.4	16QAM	1	5	21.96	22.05	22.01	
1.4	16QAM	3	0	21.12	21.24	21.08	
1.4	16QAM	3	1	21.11	21.13	21.02	
1.4	16QAM	3	3	21.11	21.08	21.11	
1.4	16QAM	6	0	21.05	20.92	20.85	22
1.4	64QAM	1	0	21.20	21.31	21.16	22
1.4	64QAM	1	3	21.01	21.02	21.01	
1.4	64QAM	1	5	21.00	21.10	20.96	
1.4	64QAM	3	0	20.52	20.49	20.31	
1.4	64QAM	3	1	20.49	20.35	20.44	
1.4	64QAM	3	3	20.31	20.50	20.44	
1.4	64QAM	6	0	20.38	20.22	20.42	21

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	22.85	22.95	22.88	24
20	QPSK	1	49	22.79	22.89	22.74	
20	QPSK	1	99	22.66	22.75	22.63	
20	QPSK	50	0	21.77	21.80	21.67	23
20	QPSK	50	24	21.74	21.67	21.65	
20	QPSK	50	50	21.60	21.72	21.57	
20	QPSK	100	0	21.68	21.70	21.59	23
20	16QAM	1	0	21.91	21.94	21.73	
20	16QAM	1	49	21.83	21.75	21.62	
20	16QAM	1	99	21.71	21.79	21.66	22
20	16QAM	50	0	20.82	20.83	20.72	
20	16QAM	50	24	20.73	20.75	20.68	
20	16QAM	50	50	20.65	20.79	20.59	22
20	16QAM	100	0	20.61	20.59	20.47	
20	64QAM	1	0	20.91	20.80	20.80	
20	64QAM	1	49	20.72	20.87	20.58	22
20	64QAM	1	99	20.71	20.66	20.58	
20	64QAM	50	0	20.19	20.24	20.03	21
20	64QAM	50	24	20.07	20.07	19.99	
20	64QAM	50	50	19.97	20.07	20.14	
20	64QAM	100	0	20.11	20.01	19.88	
Channel				20825	21100	21375	
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.82	22.89	22.80	24
15	QPSK	1	37	22.71	22.85	22.56	
15	QPSK	1	74	22.61	22.71	22.62	
15	QPSK	36	0	21.82	21.68	21.64	23
15	QPSK	36	20	21.79	21.61	21.58	
15	QPSK	36	39	21.60	21.60	21.63	
15	QPSK	75	0	21.68	21.68	21.70	23
15	16QAM	1	0	21.75	21.98	21.91	
15	16QAM	1	37	21.76	21.80	21.73	
15	16QAM	1	74	21.59	21.69	21.59	22
15	16QAM	36	0	20.74	20.90	20.85	
15	16QAM	36	20	20.82	20.76	20.64	
15	16QAM	36	39	20.69	20.80	20.71	22
15	16QAM	75	0	20.61	20.71	20.58	
15	64QAM	1	0	20.86	20.91	20.69	
15	64QAM	1	37	20.79	20.66	20.59	21
15	64QAM	1	74	20.74	20.79	20.62	
15	64QAM	36	0	20.04	20.21	20.12	
15	64QAM	36	20	20.06	20.16	19.89	21
15	64QAM	36	39	19.94	20.03	20.04	
15	64QAM	75	0	19.98	19.88	20.10	
Channel				20800	21100	21400	
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.85	22.87	22.82	24
10	QPSK	1	25	22.65	22.81	22.75	

10	QPSK	1	49	22.66	22.80	22.68	23
10	QPSK	25	0	21.79	21.70	21.65	
10	QPSK	25	12	21.80	21.75	21.61	
10	QPSK	25	25	21.66	21.68	21.47	
10	QPSK	50	0	21.51	21.54	21.58	
10	16QAM	1	0	21.93	21.86	21.80	23
10	16QAM	1	25	21.85	21.83	21.79	
10	16QAM	1	49	21.55	21.80	21.66	
10	16QAM	25	0	20.90	21.02	20.72	22
10	16QAM	25	12	20.77	20.69	20.72	
10	16QAM	25	25	20.68	20.75	20.67	
10	16QAM	50	0	20.62	20.66	20.59	
10	64QAM	1	0	20.78	20.79	20.80	22
10	64QAM	1	25	20.61	20.69	20.59	
10	64QAM	1	49	20.57	20.60	20.60	
10	64QAM	25	0	20.07	20.34	20.14	21
10	64QAM	25	12	20.15	20.17	20.09	
10	64QAM	25	25	20.09	20.10	20.13	
10	64QAM	50	0	19.88	19.89	20.08	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.76	22.90	22.79	24
5	QPSK	1	12	22.72	22.82	22.56	
5	QPSK	1	24	22.68	22.83	22.59	
5	QPSK	12	0	21.78	21.65	21.80	23
5	QPSK	12	7	21.61	21.78	21.67	
5	QPSK	12	13	21.57	21.71	21.59	
5	QPSK	25	0	21.63	21.72	21.67	
5	16QAM	1	0	21.82	22.01	21.87	23
5	16QAM	1	12	21.80	21.77	21.71	
5	16QAM	1	24	21.63	21.69	21.65	
5	16QAM	12	0	20.88	20.91	20.70	22
5	16QAM	12	7	20.88	20.83	20.61	
5	16QAM	12	13	20.65	20.74	20.53	
5	16QAM	25	0	20.53	20.55	20.69	
5	64QAM	1	0	20.91	20.93	20.87	22
5	64QAM	1	12	20.67	20.67	20.73	
5	64QAM	1	24	20.76	20.78	20.67	
5	64QAM	12	0	20.09	20.18	20.14	21
5	64QAM	12	7	19.97	20.10	19.88	
5	64QAM	12	13	19.94	19.96	19.91	
5	64QAM	25	0	19.98	19.88	19.90	