



REPORT No.: SZ24050196S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

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

Conducted Power

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		4132	4182	4233	
Rx Channel		9662	9800	9938		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	21.76	21.70	21.72	22.50	23.04	23.11	23.07	24.00
3GPP Rel 5	HSDPA Subtest-1	20.55	20.39	20.47	21.50	21.78	21.82	21.95	23.00
3GPP Rel 5	HSDPA Subtest-2	20.54	20.39	20.43	21.50	21.81	21.81	21.89	23.00
3GPP Rel 5	HSDPA Subtest-3	20.05	19.89	20.01	21.00	21.31	21.27	21.30	22.50
3GPP Rel 5	HSDPA Subtest-4	20.02	19.90	19.95	21.00	21.27	21.28	21.29	22.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.56	20.52	20.43	21.50	21.93	21.91	21.88	23.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.55	20.41	20.46	21.50	21.82	21.92	21.94	23.00
3GPP Rel 8	DC-HSDPA Subtest-3	20.09	19.78	19.92	21.00	21.31	21.33	21.48	22.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.97	19.77	19.84	21.00	21.34	21.34	21.53	22.50
3GPP Rel 6	HSUPA Subtest-1	20.45	20.20	20.28	21.00	21.20	21.32	21.40	22.00
3GPP Rel 6	HSUPA Subtest-2	20.45	20.20	20.31	21.00	21.71	21.87	21.95	22.00
3GPP Rel 6	HSUPA Subtest-3	19.52	19.25	19.35	20.50	20.78	20.91	20.97	21.00
3GPP Rel 6	HSUPA Subtest-4	20.50	20.23	20.29	21.50	21.78	21.83	21.96	22.00
3GPP Rel 6	HSUPA Subtest-5	19.37	19.18	19.32	20.00	20.79	20.85	20.98	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.49	19.31	19.44	20.50	20.82	20.79	20.86	22.00
Attenuator		Cable Loss				Cable Loss			0.6
Mode		Max.				Max.			23.11

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
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.31	22.35	22.28	23
20	QPSK	1	49	22.27	22.32	22.26	
20	QPSK	1	99	22.26	22.22	22.23	
20	QPSK	50	0	21.45	21.48	21.44	
20	QPSK	50	24	21.24	21.44	21.39	22
20	QPSK	50	50	21.19	21.33	21.28	
20	QPSK	100	0	21.31	21.37	21.34	
20	16QAM	1	0	21.38	21.47	21.41	
20	16QAM	1	49	21.27	21.28	21.42	22
20	16QAM	1	99	21.22	21.30	21.33	
20	16QAM	50	0	20.36	20.45	20.43	
20	16QAM	50	24	20.26	20.27	20.37	
20	16QAM	50	50	20.27	20.36	20.29	21
20	16QAM	100	0	20.29	20.37	20.33	
20	64QAM	1	0	20.37	20.46	20.45	
20	64QAM	1	49	20.38	20.42	20.40	
20	64QAM	1	99	20.27	20.39	20.33	21
20	64QAM	50	0	19.32	19.43	19.39	
20	64QAM	50	24	19.29	19.29	19.31	
20	64QAM	50	50	19.33	19.35	19.37	
20	64QAM	100	0	19.27	19.32	19.26	20
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	Tune-up limit (dBm)
15	QPSK	1	0	22.30	22.31	22.27	23
15	QPSK	1	37	22.25	22.27	22.24	
15	QPSK	1	74	22.23	22.25	22.20	
15	QPSK	36	0	21.41	21.45	21.42	
15	QPSK	36	20	21.21	21.29	21.41	22
15	QPSK	36	39	21.24	21.22	21.34	
15	QPSK	75	0	21.37	21.39	21.30	
15	16QAM	1	0	21.41	21.48	21.32	
15	16QAM	1	37	21.43	21.31	21.39	22
15	16QAM	1	74	21.31	21.45	21.35	
15	16QAM	36	0	20.39	20.47	20.45	
15	16QAM	36	20	20.37	20.46	20.27	
15	16QAM	36	39	20.16	20.34	20.22	21
15	16QAM	75	0	20.28	20.35	20.19	
15	64QAM	1	0	20.30	20.44	20.39	
15	64QAM	1	37	20.29	20.24	20.20	
15	64QAM	1	74	20.20	20.31	20.28	21
15	64QAM	36	0	19.42	19.45	19.37	
15	64QAM	36	20	19.24	19.43	19.16	
15	64QAM	36	39	19.35	19.16	19.17	
15	64QAM	75	0	19.27	19.35	19.20	20
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	Tune-up limit (dBm)
10	QPSK	1	0	22.25	22.32	22.29	23
10	QPSK	1	25	22.23	22.27	22.26	
10	QPSK	1	49	22.16	22.30	22.17	
10	QPSK	25	0	21.36	21.45	21.45	
10	QPSK	25	12	21.24	21.29	21.32	22
10	QPSK	25	25	21.22	21.23	21.19	
10	QPSK	50	0	21.23	21.40	21.31	
10	16QAM	1	0	21.33	21.47	21.39	
10	16QAM	1	25	21.32	21.39	21.18	22
10	16QAM	1	49	21.37	21.26	21.27	
10	16QAM	25	0	20.35	20.44	20.39	
10	16QAM	25	12	20.18	20.39	20.33	
10	16QAM	25	25	20.17	20.30	20.36	21
10	16QAM	50	0	20.34	20.42	20.27	
10	64QAM	1	0	20.39	20.42	20.41	
10	64QAM	1	25	20.38	20.34	20.36	
10	64QAM	1	49	20.25	20.31	20.22	21
10	64QAM	25	0	19.25	19.43	19.37	
10	64QAM	25	12	19.24	19.23	19.29	
10	64QAM	25	25	19.17	19.34	19.22	
10	64QAM	50	0	19.15	19.19	19.26	20
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	Tune-up limit (dBm)
5	QPSK	1	0	22.22	22.33	22.27	23
5	QPSK	1	12	22.30	22.28	22.28	
5	QPSK	1	24	22.18	22.22	22.20	
5	QPSK	12	0	21.37	21.47	21.29	
5	QPSK	12	7	21.34	21.44	21.35	22
5	QPSK	12	13	21.31	21.26	21.19	
5	QPSK	25	0	21.22	21.37	21.27	
5	16QAM	1	0	21.45	21.45	21.44	
5	16QAM	1	12	21.41	21.21	21.26	22
5	16QAM	1	24	21.37	21.30	21.31	
5	16QAM	12	0	20.38	20.42	20.41	
5	16QAM	12	7	20.39	20.31	20.37	
5	16QAM	12	13	20.25	20.39	20.31	21
5	16QAM	25	0	20.33	20.34	20.39	
5	64QAM	1	0	20.24	20.43	20.37	
5	64QAM	1	12	20.20	20.34	20.26	
5	64QAM	1	24	20.22	20.37	20.22	21
5	64QAM	12	0	19.35	19.38	19.36	
5	64QAM	12	7	19.20	19.31	19.19	
5	64QAM	12	13	19.19	19.27	19.16	
5	64QAM	25	0	19.22	19.21	19.20	20
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)
3	QPSK	1	0	22.26	22.30	22.25	23
3	QPSK	1	8	22.16	22.27	22.24	
3	QPSK	1	14	22.17	22.26	22.15	
3	QPSK	8	0	21.26	21.41	21.40	
3	QPSK	8	4	21.35	21.27	21.19	22
3	QPSK	8	7	21.26	21.29	21.15	

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	22	
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.45	21.47	21.41	22	
20	QPSK	1	49	21.31	21.44	21.35		
20	QPSK	1	99	21.42	21.31	21.30		
20	QPSK	50	0	20.39	20.49	20.45		
20	QPSK	50	24	20.42	20.41	20.40	21	
20	QPSK	50	50	20.34	20.35	20.38		
20	QPSK	100	0	20.38	20.47	20.43		
20	16QAM	1	0	20.52	20.55	20.44		
20	16QAM	1	49	20.37	20.36	20.42	21	
20	16QAM	1	99	20.40	20.30	20.38		
20	16QAM	50	0	19.39	19.50	19.48		
20	16QAM	50	24	19.45	19.35	19.35		
20	16QAM	50	50	19.46	19.42	19.42	20	
20	16QAM	100	0	19.31	19.39	19.37		
20	64QAM	1	0	19.38	19.52	19.50		
20	64QAM	1	49	19.33	19.47	19.42		
20	64QAM	1	99	19.34	19.43	19.37	20	
20	64QAM	50	0	18.32	18.48	18.43		
20	64QAM	50	24	18.42	18.32	18.38		
20	64QAM	50	50	18.34	18.36	18.39		
20	64QAM	100	0	18.39	18.42	18.31	19	
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5	Tune-up limit (dBm)	
15	QPSK	1	0	21.41	21.44	21.35	22	
15	QPSK	1	37	21.38	21.32	21.36		
15	QPSK	1	74	21.23	21.39	21.18		
15	QPSK	36	0	20.47	20.55	20.39		
15	QPSK	36	20	20.32	20.49	20.50	21	
15	QPSK	36	39	20.39	20.42	20.21		
15	QPSK	75	0	20.25	20.29	20.42		
15	16QAM	1	0	20.41	20.54	20.45		
15	16QAM	1	37	20.38	20.53	20.48	21	
15	16QAM	1	74	20.32	20.50	20.40		
15	16QAM	36	0	19.43	19.51	19.45		
15	16QAM	36	20	19.28	19.35	19.45		
15	16QAM	36	39	19.38	19.41	19.26	20	
15	16QAM	75	0	19.31	19.40	19.45		
15	64QAM	1	0	19.49	19.50	19.44		
15	64QAM	1	37	19.31	19.36	19.47		
15	64QAM	1	74	19.47	19.39	19.33	20	
15	64QAM	36	0	18.48	18.52	18.44		
15	64QAM	36	20	18.45	18.32	18.49		
15	64QAM	36	39	18.37	18.43	18.43		
15	64QAM	75	0	18.26	18.50	18.32	19	
Channel				20000	20175	20350		
Frequency (MHz)				1715	1732.5	1750	Tune-up limit (dBm)	
10	QPSK	1	0	21.44	21.45	21.39	22	
10	QPSK	1	25	21.35	21.29	21.35		
10	QPSK	1	49	21.42	21.26	21.27		
10	QPSK	25	0	20.39	20.53	20.51		
10	QPSK	25	12	20.50	20.46	20.33	21	
10	QPSK	25	25	20.32	20.39	20.42		
10	QPSK	50	0	20.37	20.54	20.52		
10	16QAM	1	0	20.42	20.49	20.44		
10	16QAM	1	25	20.30	20.41	20.39	21	
10	16QAM	1	49	20.21	20.40	20.25		
10	16QAM	25	0	19.47	19.55	19.41		
10	16QAM	25	12	19.50	19.29	19.39		
10	16QAM	25	25	19.43	19.36	19.44	20	
10	16QAM	50	0	19.29	19.50	19.48		
10	64QAM	1	0	19.54	19.45	19.54		
10	64QAM	1	25	19.47	19.38	19.53		
10	64QAM	1	49	19.37	19.44	19.43	20	
10	64QAM	25	0	18.32	18.51	18.38		
10	64QAM	25	12	18.50	18.43	18.44		
10	64QAM	25	25	18.41	18.49	18.37		
10	64QAM	50	0	18.31	18.51	18.45	19	
Channel				19975	20175	20375		
Frequency (MHz)				1712.5	1732.5	1752.5	Tune-up limit (dBm)	
5	QPSK	1	0	21.35	21.42	21.40	22	
5	QPSK	1	12	21.27	21.32	21.31		
5	QPSK	1	24	21.33	21.32	21.33		
5	QPSK	12	0	20.50	20.54	20.36		
5	QPSK	12	7	20.36	20.58	20.43	21	
5	QPSK	12	13	20.44	20.51	20.24		
5	QPSK	25	0	20.45	20.48	20.53		
5	16QAM	1	0	20.38	20.53	20.47		
5	16QAM	1	12	20.43	20.29	20.43	21	
5	16QAM	1	24	20.27	20.25	20.41		
5	16QAM	12	0	19.40	19.53	19.48		
5	16QAM	12	7	19.27	19.51	19.41		
5	16QAM	12	13	19.22	19.39	19.44	20	
5	16QAM	25	0	19.29	19.43	19.29		
5	64QAM	1	0	19.46	19.51	19.44		
5	64QAM	1	12	19.39	19.47	19.47		
5	64QAM	1	24	19.32	19.50	19.28	20	
5	64QAM	12	0	18.53	18.53	18.33		
5	64QAM	12	7	18.52	18.29	18.31		
5	64QAM	12	13	18.36	18.59	18.46		
5	64QAM	25	0	18.46	18.51	18.52	19	
Channel				19965	20175	20385		
Frequency (MHz)				1711.5	1732.5	1753.5	Tune-up limit (dBm)	
3	QPSK	1	0	21.41	21.44	21.39	22	
3	QPSK	1	8	21.29	21.37	21.27		
3	QPSK	1	14	21.40	21.30	21.43		
3	QPSK	8	0	20.39	20.53	20.55		
3	QPSK	8	4	20.32	20.39	20.49	21	
3	QPSK	8	7	20.33	20.38	20.38		

3	QPSK	15	0	21.27	21.33	21.20	22
3	16QAM	1	0	21.30	21.45	21.43	
3	16QAM	1	8	21.34	21.38	21.20	
3	16QAM	1	14	21.23	21.42	21.52	21
3	16QAM	8	0	20.25	20.44	20.41	
3	16QAM	8	4	20.26	20.19	20.34	
3	16QAM	8	7	20.20	20.26	20.33	21
3	16QAM	15	0	20.22	20.33	20.30	
3	64QAM	1	0	20.37	20.43	20.29	
3	64QAM	1	8	20.29	20.39	20.30	20
3	64QAM	1	14	20.30	20.33	20.34	
3	64QAM	8	0	19.31	19.36	19.24	
3	64QAM	8	4	19.34	19.29	19.44	20
3	64QAM	8	7	19.20	19.30	19.28	
3	64QAM	15	0	19.34	19.36	19.32	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.24	22.28	22.19	23
1.4	QPSK	1	3	22.19	22.23	22.15	
1.4	QPSK	1	5	22.16	22.19	22.21	
1.4	QPSK	3	0	21.38	21.40	21.33	
1.4	QPSK	3	1	21.31	21.24	21.35	
1.4	QPSK	3	3	21.14	21.13	21.33	
1.4	QPSK	6	0	21.14	21.29	21.28	22
1.4	16QAM	1	0	21.31	21.41	21.26	22
1.4	16QAM	1	3	21.30	21.32	21.25	
1.4	16QAM	1	5	21.27	21.26	21.33	
1.4	16QAM	3	0	20.26	20.23	20.20	
1.4	16QAM	3	1	20.38	20.29	20.35	
1.4	16QAM	3	3	20.17	20.18	20.35	
1.4	16QAM	6	0	20.17	20.36	20.24	21
1.4	64QAM	1	0	20.55	20.41	20.45	21
1.4	64QAM	1	3	20.37	20.45	20.33	
1.4	64QAM	1	5	20.18	20.49	20.43	
1.4	64QAM	3	0	19.24	19.38	19.18	
1.4	64QAM	3	1	19.30	19.27	19.41	
1.4	64QAM	3	3	19.04	19.30	19.29	
1.4	64QAM	6	0	19.29	19.38	19.39	20

3	QPSK	15	0	20.47	20.57	20.30	21
3	16QAM	1	0	20.33	20.54	20.61	
3	16QAM	1	8	20.37	20.45	20.52	
3	16QAM	1	14	20.47	20.25	20.25	20
3	16QAM	8	0	19.40	19.50	19.49	
3	16QAM	8	4	19.44	19.33	19.42	
3	16QAM	8	7	19.51	19.51	19.54	20
3	16QAM	15	0	19.41	19.57	19.55	
3	64QAM	1	0	19.52	19.53	19.48	
3	64QAM	1	8	19.32	19.49	19.49	19
3	64QAM	1	14	19.29	19.45	19.42	
3	64QAM	8	0	18.42	18.49	18.45	
3	64QAM	8	4	18.40	18.23	18.43	22
3	64QAM	8	7	18.46	18.37	18.47	
3	64QAM	15	0	18.39	18.39	18.38	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	21.34	21.43	21.35	22
1.4	QPSK	1	3	21.33	21.36	21.21	
1.4	QPSK	1	5	21.24	21.20	21.29	
1.4	QPSK	3	0	20.49	20.56	20.54	
1.4	QPSK	3	1	20.22	20.55	20.32	
1.4	QPSK	3	3	20.31	20.44	20.50	
1.4	QPSK	6	0	20.38	20.54	20.42	21
1.4	16QAM	1	0	20.41	20.66	20.67	21
1.4	16QAM	1	3	20.51	20.31	20.43	
1.4	16QAM	1	5	20.28	20.46	20.57	
1.4	16QAM	3	0	19.63	19.46	19.35	
1.4	16QAM	3	1	19.46	19.26	19.32	
1.4	16QAM	3	3	19.38	19.60	19.26	
1.4	16QAM	6	0	19.37	19.42	19.30	20
1.4	64QAM	1	0	19.36	19.48	19.41	20
1.4	64QAM	1	3	19.35	19.40	19.56	
1.4	64QAM	1	5	19.26	19.63	19.54	
1.4	64QAM	3	0	18.40	18.57	18.66	
1.4	64QAM	3	1	18.42	18.38	18.28	
1.4	64QAM	3	3	18.43	18.45	18.39	
1.4	64QAM	6	0	18.22	18.35	18.26	19

Band 5 (Cellular 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	23.35	23.42	23.40	24
10	QPSK	1	25	23.30	23.37	23.28	
10	QPSK	1	49	23.27	23.36	23.33	
10	QPSK	25	0	22.41	22.48	22.46	23
10	QPSK	25	12	22.26	22.44	22.40	
10	QPSK	25	25	22.20	22.41	22.37	
10	QPSK	50	0	22.35	22.39	22.42	23
10	16QAM	1	0	22.42	22.53	22.51	
10	16QAM	1	25	22.38	22.35	22.46	
10	16QAM	1	49	22.31	22.47	22.36	22
10	16QAM	25	0	21.39	21.49	21.46	
10	16QAM	25	12	21.37	21.48	21.41	
10	16QAM	25	25	21.45	21.33	21.39	22
10	16QAM	50	0	21.40	21.41	21.35	
10	64QAM	1	0	21.45	21.52	21.49	
10	64QAM	1	25	21.41	21.44	21.51	22
10	64QAM	1	49	21.43	21.43	21.47	
10	64QAM	25	0	20.42	20.52	20.43	
10	64QAM	25	12	20.27	20.44	20.45	21
10	64QAM	25	25	20.31	20.28	20.42	
10	64QAM	50	0	20.42	20.46	20.35	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.34	23.38	23.35	24
5	QPSK	1	12	23.31	23.33	23.27	
5	QPSK	1	24	23.27	23.32	23.24	
5	QPSK	12	0	22.39	22.50	22.44	23
5	QPSK	12	7	22.29	22.49	22.30	
5	QPSK	12	13	22.25	22.27	22.37	
5	QPSK	25	0	22.30	22.44	22.39	23
5	16QAM	1	0	22.42	22.48	22.47	
5	16QAM	1	12	22.32	22.26	22.44	
5	16QAM	1	24	22.26	22.33	22.45	22
5	16QAM	12	0	21.33	21.51	21.41	
5	16QAM	12	7	21.37	21.33	21.43	
5	16QAM	12	13	21.47	21.46	21.41	22
5	16QAM	25	0	21.42	21.47	21.39	
5	64QAM	1	0	21.50	21.54	21.49	
5	64QAM	1	12	21.33	21.35	21.48	22
5	64QAM	1	24	21.35	21.37	21.31	
5	64QAM	12	0	20.47	20.55	20.40	
5	64QAM	12	7	20.44	20.53	20.29	21
5	64QAM	12	13	20.48	20.52	20.41	
5	64QAM	25	0	20.43	20.54	20.45	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.35	23.40	23.38	24
3	QPSK	1	8	23.17	23.25	23.33	
3	QPSK	1	14	23.26	23.36	23.30	
3	QPSK	8	0	22.47	22.51	22.47	23
3	QPSK	8	4	22.31	22.43	22.35	
3	QPSK	8	7	22.34	22.30	22.41	
3	QPSK	15	0	22.48	22.50	22.47	23
3	16QAM	1	0	22.43	22.49	22.47	
3	16QAM	1	8	22.33	22.41	22.48	
3	16QAM	1	14	22.25	22.47	22.43	22
3	16QAM	8	0	21.48	21.54	21.51	
3	16QAM	8	4	21.31	21.28	21.37	
3	16QAM	8	7	21.47	21.28	21.36	22
3	16QAM	15	0	21.30	21.35	21.45	
3	64QAM	1	0	21.47	21.52	21.48	
3	64QAM	1	8	21.37	21.49	21.39	22
3	64QAM	1	14	21.46	21.48	21.42	
3	64QAM	8	0	20.27	20.49	20.46	
3	64QAM	8	4	20.35	20.26	20.21	21
3	64QAM	8	7	20.44	20.58	20.50	
3	64QAM	15	0	20.24	20.29	20.36	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.37	23.39	23.33	24
1.4	QPSK	1	3	23.32	23.32	23.29	
1.4	QPSK	1	5	23.22	23.34	23.37	
1.4	QPSK	3	0	22.52	22.56	22.51	24
1.4	QPSK	3	1	22.33	22.55	22.39	
1.4	QPSK	3	3	22.24	22.44	22.45	
1.4	QPSK	6	0	22.31	22.47	22.44	23
1.4	16QAM	1	0	22.53	22.54	22.51	
1.4	16QAM	1	3	22.35	22.21	22.46	
1.4	16QAM	1	5	22.44	22.45	22.34	23
1.4	16QAM	3	0	21.47	21.48	21.45	
1.4	16QAM	3	1	21.29	21.39	21.41	
1.4	16QAM	3	3	21.38	21.42	21.45	22
1.4	16QAM	6	0	21.42	21.46	21.38	
1.4	64QAM	1	0	21.35	21.44	21.50	
1.4	64QAM	1	3	21.61	21.51	21.64	22
1.4	64QAM	1	5	21.32	21.30	21.35	
1.4	64QAM	3	0	20.51	20.41	20.32	
1.4	64QAM	3	1	20.50	20.32	20.36	22
1.4	64QAM	3	3	20.41	20.58	20.49	
1.4	64QAM	6	0	20.39	20.47	20.35	

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	21.85	21.89	21.83	22.5
20	QPSK	1	49	21.69	21.86	21.81	
20	QPSK	1	99	21.74	21.75	21.76	
20	QPSK	50	0	20.89	20.97	20.92	21.5
20	QPSK	50	24	20.92	20.88	20.91	
20	QPSK	50	50	20.69	20.85	20.69	
20	QPSK	100	0	20.94	20.95	20.86	21.5
20	16QAM	1	0	21.00	21.01	20.96	
20	16QAM	1	49	20.80	20.82	20.99	
20	16QAM	1	99	20.82	20.77	20.86	20.5
20	16QAM	50	0	19.99	19.98	19.97	
20	16QAM	50	24	19.86	19.93	20.01	
20	16QAM	50	50	19.86	20.04	19.96	20.5
20	16QAM	100	0	19.79	19.96	19.89	
20	64QAM	1	0	20.11	20.13	20.09	
20	64QAM	1	49	20.12	20.06	19.86	20.5
20	64QAM	1	99	19.87	20.00	19.94	
20	64QAM	50	0	19.06	19.12	18.89	
20	64QAM	50	24	18.81	18.86	18.83	19.5
20	64QAM	50	50	18.96	19.00	19.00	
20	64QAM	100	0	18.77	18.85	18.86	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	21.79	21.85	21.83	22.5
15	QPSK	1	37	21.75	21.77	21.73	
15	QPSK	1	74	21.67	21.83	21.69	
15	QPSK	36	0	20.86	21.05	21.11	21.5
15	QPSK	36	20	20.81	21.11	21.06	
15	QPSK	36	39	20.86	21.04	20.75	
15	QPSK	75	0	20.99	21.09	20.85	21.5
15	16QAM	1	0	20.98	21.03	21.12	
15	16QAM	1	37	20.92	20.87	20.99	
15	16QAM	1	74	20.79	20.92	20.97	20.5
15	16QAM	36	0	19.91	20.00	19.91	
15	16QAM	36	20	19.98	19.70	19.82	
15	16QAM	36	39	19.86	19.96	19.75	20.5
15	16QAM	75	0	19.84	20.11	19.94	
15	64QAM	1	0	19.87	20.17	20.01	
15	64QAM	1	37	19.99	20.03	19.96	20.5
15	64QAM	1	74	19.96	19.87	19.89	
15	64QAM	36	0	18.75	19.07	19.00	
15	64QAM	36	20	18.95	18.99	18.88	19.5
15	64QAM	36	39	18.78	19.04	19.01	
15	64QAM	75	0	19.01	18.91	18.92	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	21.81	21.86	21.77	22.5
10	QPSK	1	25	21.71	21.79	21.79	
10	QPSK	1	49	21.66	21.77	21.70	
10	QPSK	25	0	20.88	21.01	20.95	21.5
10	QPSK	25	12	20.95	20.85	20.93	
10	QPSK	25	25	20.81	20.90	20.83	
10	QPSK	50	0	20.76	21.00	20.73	21.5
10	16QAM	1	0	20.98	21.00	21.03	
10	16QAM	1	25	20.99	20.94	20.81	
10	16QAM	1	49	20.85	20.85	20.86	20.5
10	16QAM	25	0	20.00	19.97	19.95	
10	16QAM	25	12	19.94	19.90	19.93	
10	16QAM	25	25	19.93	20.02	19.90	20.5
10	16QAM	50	0	19.90	19.89	19.75	
10	64QAM	1	0	19.87	20.03	20.07	
10	64QAM	1	25	19.95	19.97	19.81	20.5
10	64QAM	1	49	19.89	20.11	19.90	
10	64QAM	25	0	18.80	19.04	19.08	
10	64QAM	25	12	18.99	18.94	18.88	19.5
10	64QAM	25	25	18.80	18.88	19.07	
10	64QAM	50	0	18.88	18.95	18.90	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	21.85	21.88	21.79	22.5
5	QPSK	1	12	21.80	21.76	21.67	
5	QPSK	1	24	21.76	21.69	21.83	
5	QPSK	12	0	20.93	20.97	21.00	21.5
5	QPSK	12	7	20.85	20.86	20.92	
5	QPSK	12	13	20.87	21.00	20.77	
5	QPSK	25	0	20.74	20.78	20.95	21.5
5	16QAM	1	0	20.88	20.97	20.97	
5	16QAM	1	12	20.73	21.02	20.93	
5	16QAM	1	24	20.69	20.91	20.95	20.5
5	16QAM	12	0	19.92	20.05	19.93	
5	16QAM	12	7	19.86	19.70	19.86	
5	16QAM	12	13	19.88	19.91	19.92	20.5
5	16QAM	25	0	19.90	19.98	20.04	
5	64QAM	1	0	20.06	20.04	19.93	
5	64QAM	1	12	19.92	19.87	20.01	20.5
5	64QAM	1	24	19.89	19.93	19.94	
5	64QAM	12	0	18.88	18.97	18.84	
5	64QAM	12	7	18.84	18.95	18.95	19.5
5	64QAM	12	13	18.87	19.01	18.91	
5	64QAM	25	0	19.00	18.81	18.75	

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	24
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.42	23.45	23.39	24
10	QPSK	1	25	23.37	23.34	23.43	
10	QPSK	1	49	23.24	23.25	23.22	
10	QPSK	25	0	22.47	22.50	22.45	
10	QPSK	25	12	22.34	22.46	22.47	23
10	QPSK	25	25	22.35	22.34	22.29	
10	QPSK	50	0	22.40	22.48	22.37	
10	16QAM	1	0	22.37	22.56	22.48	
10	16QAM	1	25	22.47	22.46	22.35	23
10	16QAM	1	49	22.32	22.51	22.35	
10	16QAM	25	0	21.40	21.53	21.48	
10	16QAM	25	12	21.41	21.35	21.41	
10	16QAM	25	25	21.33	21.47	21.26	22
10	16QAM	50	0	21.39	21.52	21.44	
10	64QAM	1	0	21.51	21.53	21.51	
10	64QAM	1	25	21.47	21.48	21.38	
10	64QAM	1	49	21.34	21.31	21.49	22
10	64QAM	25	0	20.41	20.49	20.52	
10	64QAM	25	12	20.46	20.50	20.35	
10	64QAM	25	25	20.51	20.53	20.33	
10	64QAM	50	0	20.32	20.47	20.41	21
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.40	23.42	23.37	24
5	QPSK	1	12	23.31	23.32	23.33	
5	QPSK	1	24	23.28	23.36	23.19	
5	QPSK	12	0	22.46	22.55	22.39	
5	QPSK	12	7	22.41	22.49	22.42	23
5	QPSK	12	13	22.38	22.31	22.43	
5	QPSK	25	0	22.37	22.47	22.37	
5	16QAM	1	0	22.50	22.52	22.44	
5	16QAM	1	12	22.29	22.46	22.56	23
5	16QAM	1	24	22.36	22.49	22.40	
5	16QAM	12	0	21.56	21.61	21.48	
5	16QAM	12	7	21.29	21.33	21.55	
5	16QAM	12	13	21.33	21.57	21.46	22
5	16QAM	25	0	21.51	21.49	21.38	
5	64QAM	1	0	21.61	21.59	21.37	
5	64QAM	1	12	21.40	21.55	21.40	
5	64QAM	1	24	21.32	21.38	21.35	22
5	64QAM	12	0	20.32	20.55	20.41	
5	64QAM	12	7	20.35	20.38	20.34	
5	64QAM	12	13	20.55	20.43	20.30	
5	64QAM	25	0	20.35	20.28	20.49	21
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)
3	QPSK	1	0	23.35	23.43	23.37	24
3	QPSK	1	8	23.22	23.36	23.35	
3	QPSK	1	14	23.27	23.28	23.23	
3	QPSK	8	0	22.51	22.48	22.45	
3	QPSK	8	4	22.32	22.36	22.38	23
3	QPSK	8	7	22.35	22.33	22.31	
3	QPSK	15	0	22.50	22.36	22.55	
3	16QAM	1	0	22.34	22.57	22.33	
3	16QAM	1	8	22.48	22.20	22.47	23
3	16QAM	1	14	22.37	22.50	22.46	
3	16QAM	8	0	21.43	21.42	21.40	
3	16QAM	8	4	21.40	21.23	21.47	
3	16QAM	8	7	21.42	21.32	21.29	22
3	16QAM	15	0	21.56	21.60	21.60	
3	64QAM	1	0	21.57	21.50	21.64	
3	64QAM	1	8	21.43	21.40	21.49	
3	64QAM	1	14	21.35	21.52	21.53	22
3	64QAM	8	0	20.33	20.45	20.37	
3	64QAM	8	4	20.52	20.36	20.51	
3	64QAM	8	7	20.59	20.43	20.58	
3	64QAM	15	0	20.20	20.35	20.24	21
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.38	23.41	23.34	24
1.4	QPSK	1	3	23.22	23.29	23.29	
1.4	QPSK	1	5	23.29	23.26	23.25	
1.4	QPSK	3	0	22.47	22.55	22.39	
1.4	QPSK	3	1	22.42	22.51	22.46	23
1.4	QPSK	3	3	22.26	22.42	22.42	
1.4	QPSK	6	0	22.32	22.41	22.43	
1.4	16QAM	1	0	22.51	22.53	22.55	
1.4	16QAM	1	3	22.49	22.42	22.49	23
1.4	16QAM	1	5	22.36	22.40	22.48	
1.4	16QAM	3	0	21.37	21.52	21.50	
1.4	16QAM	3	1	21.38	21.40	21.42	
1.4	16QAM	3	3	21.42	21.36	21.24	22
1.4	16QAM	6	0	21.48	21.41	21.45	
1.4	64QAM	1	0	21.44	21.53	21.51	
1.4	64QAM	1	3	21.30	21.52	21.50	
1.4	64QAM	1	5	21.19	21.52	21.28	22
1.4	64QAM	3	0	20.45	20.40	20.53	
1.4	64QAM	3	1	20.28	20.50	20.46	
1.4	64QAM	3	3	20.41	20.56	20.44	
1.4	64QAM	6	0	20.43	20.43	20.39	21

Band 13(700MHz Band) (dBm) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.31		24
10	QPSK	1	25		23.25		
10	QPSK	1	49		23.18		
10	QPSK	25	0		22.47		
10	QPSK	25	12		22.31		23
10	QPSK	25	25		22.26		
10	QPSK	50	0		22.39		
10	16QAM	1	0		22.45		
10	16QAM	1	25		22.38		23
10	16QAM	1	49		22.32		
10	16QAM	25	0		21.46		
10	16QAM	25	12		21.34		
10	16QAM	25	25		21.29		22
10	16QAM	50	0		21.33		
10	64QAM	1	0		21.44		
10	64QAM	1	25		21.37		
10	64QAM	1	49		21.28		22
10	64QAM	25	0		20.48		
10	64QAM	25	12		20.44		
10	64QAM	25	25		20.31		
10	64QAM	50	0		20.36		21
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	23.19	23.28	23.25	24
5	QPSK	1	12	23.14	23.19	23.14	
5	QPSK	1	24	23.17	23.12	23.15	
5	QPSK	12	0	22.31	22.44	22.35	
5	QPSK	12	7	22.25	22.26	22.41	23
5	QPSK	12	13	22.18	22.19	22.21	
5	QPSK	25	0	22.09	22.24	22.33	
5	16QAM	1	0	22.38	22.53	22.50	
5	16QAM	1	12	22.35	22.30	22.47	23
5	16QAM	1	24	22.29	22.39	22.32	
5	16QAM	12	0	21.38	21.49	21.41	
5	16QAM	12	7	21.45	21.34	21.24	
5	16QAM	12	13	21.29	21.42	21.25	22
5	16QAM	25	0	21.29	21.44	21.30	
5	64QAM	1	0	21.46	21.47	21.27	
5	64QAM	1	12	21.40	21.34	21.17	
5	64QAM	1	24	21.21	21.43	21.18	22
5	64QAM	12	0	20.18	20.37	20.44	
5	64QAM	12	7	20.32	20.22	20.30	
5	64QAM	12	13	20.35	20.34	20.40	
5	64QAM	25	0	20.19	20.26	20.22	21

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	23.37	23.40	23.32	24
10	QPSK	1	25	23.27	23.29	23.31	
10	QPSK	1	49	23.26	23.33	23.28	
10	QPSK	25	0	22.41	22.48	22.40	
10	QPSK	25	12	22.38	22.32	22.46	23
10	QPSK	25	25	22.19	22.36	22.41	
10	QPSK	50	0	22.41	22.39	22.32	
10	16QAM	1	0	22.46	22.49	22.27	
10	16QAM	1	25	22.37	22.30	22.32	23
10	16QAM	1	49	22.29	22.50	22.45	
10	16QAM	25	0	21.23	21.46	21.29	
10	16QAM	25	12	21.28	21.29	21.34	
10	16QAM	25	25	21.36	21.33	21.33	22
10	16QAM	50	0	21.39	21.44	21.40	
10	64QAM	1	0	21.38	21.51	21.45	
10	64QAM	1	25	21.49	21.47	21.27	
10	64QAM	1	49	21.35	21.41	21.39	22
10	64QAM	25	0	20.33	20.50	20.28	
10	64QAM	25	12	20.46	20.43	20.42	
10	64QAM	25	25	20.41	20.36	20.44	
10	64QAM	50	0	20.43	20.47	20.43	21
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.30	23.36	23.27	24
5	QPSK	1	12	23.19	23.32	23.31	
5	QPSK	1	24	23.23	23.21	23.19	
5	QPSK	12	0	22.44	22.47	22.41	
5	QPSK	12	7	22.29	22.34	22.35	23
5	QPSK	12	13	22.28	22.28	22.40	
5	QPSK	25	0	22.43	22.45	22.36	
5	16QAM	1	0	22.43	22.50	22.39	
5	16QAM	1	12	22.36	22.31	22.42	23
5	16QAM	1	24	22.22	22.26	22.26	
5	16QAM	12	0	21.39	21.49	21.44	
5	16QAM	12	7	21.20	21.39	21.48	
5	16QAM	12	13	21.46	21.22	21.27	22
5	16QAM	25	0	21.35	21.44	21.43	
5	64QAM	1	0	21.24	21.47	21.48	
5	64QAM	1	12	21.42	21.41	21.40	
5	64QAM	1	24	21.46	21.48	21.36	22
5	64QAM	12	0	20.22	20.51	20.24	
5	64QAM	12	7	20.35	20.43	20.37	
5	64QAM	12	13	20.44	20.29	20.22	
5	64QAM	25	0	20.32	20.42	20.33	21

Band 18 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23925			
Frequency (MHz)				822.5			
15	QPSK	1	0		23.29		24
15	QPSK	1	37		23.24		
15	QPSK	1	74		23.18		
15	QPSK	36	0		22.44		
15	QPSK	36	20		22.41		23
15	QPSK	36	39		22.32		
15	QPSK	75	0		22.34		
15	16QAM	1	0		22.45		
15	16QAM	1	37		22.36		23
15	16QAM	1	74		22.29		
15	16QAM	36	0		21.39		
15	16QAM	36	20		21.33		
15	16QAM	36	39		21.42		22
15	16QAM	75	0		21.35		
15	64QAM	1	0		21.41		
15	64QAM	1	25		21.31		
15	64QAM	1	49		21.29		22
15	64QAM	25	0		20.43		
15	64QAM	25	12		20.35		
15	64QAM	25	25		20.33		
15	64QAM	50	0		20.28		21
Channel				23900	23925	23950	
Frequency (MHz)				820	822.5	825	
10	QPSK	1	0	23.24	23.27	23.19	
10	QPSK	1	25	23.16	23.25	23.14	
10	QPSK	1	49	23.17	23.20	23.12	
10	QPSK	25	0	22.36	22.43	22.38	
10	QPSK	25	12	22.31	22.40	22.21	23
10	QPSK	25	25	22.19	22.32	22.26	
10	QPSK	50	0	22.35	22.37	22.41	
10	16QAM	1	0	22.31	22.45	22.43	
10	16QAM	1	25	22.23	22.32	22.19	23
10	16QAM	1	49	22.20	22.36	22.27	
10	16QAM	25	0	21.28	21.48	21.41	
10	16QAM	25	12	21.28	21.37	21.45	
10	16QAM	25	25	21.19	21.20	21.30	22
10	16QAM	50	0	21.37	21.30	21.30	
10	64QAM	1	0	21.35	21.42	21.29	
10	64QAM	1	25	21.37	21.22	21.21	
10	64QAM	1	49	21.30	21.26	21.24	22
10	64QAM	25	0	20.33	20.45	20.41	
10	64QAM	25	12	20.25	20.34	20.39	
10	64QAM	25	25	20.24	20.33	20.43	
10	64QAM	50	0	20.19	20.29	20.23	21
Channel				23875	23925	23975	
Frequency (MHz)				817.5	822.5	827.5	
5	QPSK	1	0	23.14	23.26	23.17	
5	QPSK	1	12	23.15	23.21	23.11	
5	QPSK	1	24	23.23	23.14	23.23	
5	QPSK	12	0	22.40	22.43	22.35	
5	QPSK	12	7	22.18	22.26	22.26	23
5	QPSK	12	13	22.19	22.31	22.22	
5	QPSK	25	0	22.37	22.45	22.30	
5	16QAM	1	0	22.15	22.47	22.45	
5	16QAM	1	12	22.34	22.24	22.41	23
5	16QAM	1	24	22.22	22.34	22.33	
5	16QAM	12	0	21.38	21.46	21.33	
5	16QAM	12	7	21.26	21.33	21.28	
5	16QAM	12	13	21.29	21.42	21.30	22
5	16QAM	25	0	21.28	21.30	21.22	
5	64QAM	1	0	21.29	21.43	21.37	
5	64QAM	1	12	21.22	21.38	21.24	
5	64QAM	1	24	21.32	21.29	21.36	22
5	64QAM	12	0	20.35	20.43	20.40	
5	64QAM	12	7	20.33	20.33	20.39	
5	64QAM	12	13	20.39	20.27	20.24	
5	64QAM	25	0	20.25	20.31	20.23	21

Band 19 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					24075		
Frequency (MHz)					837.5		
15	QPSK	1	0		23.37		24
15	QPSK	1	37		23.25		
15	QPSK	1	74		23.10		
15	QPSK	36	0		22.48		23
15	QPSK	36	20		22.45		
15	QPSK	36	39		22.38		
15	QPSK	75	0		22.48		23
15	16QAM	1	0		22.52		
15	16QAM	1	37		22.29		
15	16QAM	1	74		22.27		22
15	16QAM	36	0		21.52		
15	16QAM	36	20		21.37		
15	16QAM	36	39		21.39		22
15	16QAM	75	0		21.26		
15	64QAM	1	0		21.50		
15	64QAM	1	25		21.42		22
15	64QAM	1	49		21.30		
15	64QAM	25	0		20.47		
15	64QAM	25	12		20.21		21
15	64QAM	25	25		20.44		
15	64QAM	50	0		20.41		
Channel				24050	24075	24100	Tune-up limit (dBm)
Frequency (MHz)				835	837.5	840	
10	QPSK	1	0	23.29	23.34	23.32	24
10	QPSK	1	25	23.19	23.26	23.28	
10	QPSK	1	49	23.16	23.18	23.21	
10	QPSK	25	0	22.33	22.46	22.39	23
10	QPSK	25	12	22.26	22.26	22.44	
10	QPSK	25	25	22.22	22.27	22.41	
10	QPSK	50	0	22.30	22.18	22.40	23
10	16QAM	1	0	22.25	22.40	22.38	
10	16QAM	1	25	22.33	22.25	22.33	
10	16QAM	1	49	22.33	22.32	22.15	22
10	16QAM	25	0	21.42	21.44	21.30	
10	16QAM	25	12	21.20	21.31	21.33	
10	16QAM	25	25	21.38	21.26	21.38	22
10	16QAM	50	0	21.34	21.43	21.40	
10	64QAM	1	0	21.38	21.42	21.33	
10	64QAM	1	25	21.42	21.49	21.47	22
10	64QAM	1	49	21.26	21.33	21.26	
10	64QAM	25	0	20.38	20.46	20.45	
10	64QAM	25	12	20.24	20.32	20.41	21
10	64QAM	25	25	20.46	20.26	20.34	
10	64QAM	50	0	20.31	20.38	20.27	
Channel				24025	24075	24125	Tune-up limit (dBm)
Frequency (MHz)				832.5	837.5	842.5	
5	QPSK	1	0	23.30	23.33	23.20	24
5	QPSK	1	12	23.16	23.22	23.29	
5	QPSK	1	24	23.23	23.05	23.09	
5	QPSK	12	0	22.32	22.46	22.29	23
5	QPSK	12	7	22.31	22.37	22.44	
5	QPSK	12	13	22.34	22.14	22.43	
5	QPSK	25	0	22.41	22.42	22.33	23
5	16QAM	1	0	22.42	22.47	22.42	
5	16QAM	1	12	22.37	22.32	22.26	
5	16QAM	1	24	22.16	22.44	22.38	22
5	16QAM	12	0	21.50	21.47	21.48	
5	16QAM	12	7	21.25	21.36	21.22	
5	16QAM	12	13	21.24	21.38	21.25	22
5	16QAM	25	0	21.45	21.37	21.31	
5	64QAM	1	0	21.46	21.48	21.47	
5	64QAM	1	12	21.51	21.29	21.52	22
5	64QAM	1	24	21.33	21.47	21.32	
5	64QAM	12	0	20.36	20.55	20.47	
5	64QAM	12	7	20.29	20.38	20.25	21
5	64QAM	12	13	20.21	20.40	20.24	
5	64QAM	25	0	20.32	20.43	20.38	

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	22.39	22.43	22.35	
20	QPSK	1	49	22.30	22.25	22.28	
20	QPSK	1	99	22.24	22.31	22.22	
20	QPSK	50	0	21.44	21.48	21.37	
20	QPSK	50	24	21.26	21.37	21.34	
20	QPSK	50	50	21.30	21.46	21.25	
20	QPSK	100	0	21.29	21.35	21.24	
20	16QAM	1	0	21.37	21.46	21.40	
20	16QAM	1	49	21.28	21.29	21.32	
20	16QAM	1	99	21.33	21.30	21.32	22
20	16QAM	50	0	20.30	20.49	20.41	
20	16QAM	50	24	20.25	20.38	20.46	
20	16QAM	50	50	20.29	20.42	20.39	
20	16QAM	100	0	20.33	20.37	20.25	
20	64QAM	1	0	20.46	20.57	20.55	
20	64QAM	1	49	20.43	20.38	20.42	21
20	64QAM	1	99	20.37	20.40	20.33	
20	64QAM	50	0	19.35	19.48	19.43	
20	64QAM	50	24	19.31	19.37	19.41	
20	64QAM	50	50	19.28	19.39	19.46	
20	64QAM	100	0	19.29	19.24	19.37	
Channel				26115	26365	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	22.29	22.41	22.34	23
15	QPSK	1	37	22.21	22.34	22.26	
15	QPSK	1	74	22.17	22.20	22.31	
15	QPSK	36	0	21.47	21.50	21.36	
15	QPSK	36	20	21.22	21.48	21.31	
15	QPSK	36	39	21.33	21.37	21.37	
15	QPSK	75	0	21.36	21.42	21.37	22
15	16QAM	1	0	21.53	21.48	21.53	
15	16QAM	1	37	21.27	21.40	21.43	
15	16QAM	1	74	21.30	21.40	21.38	
15	16QAM	36	0	20.39	20.44	20.40	
15	16QAM	36	20	20.26	20.35	20.34	
15	16QAM	36	39	20.32	20.27	20.33	21
15	16QAM	75	0	20.43	20.47	20.16	
15	64QAM	1	0	20.39	20.46	20.32	
15	64QAM	1	37	20.42	20.43	20.23	21
15	64QAM	1	74	20.30	20.23	20.46	
15	64QAM	36	0	19.25	19.48	19.33	
15	64QAM	36	20	19.24	19.35	19.29	
15	64QAM	36	39	19.44	19.31	19.43	
15	64QAM	75	0	19.28	19.36	19.23	
Channel				26090	26365	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	22.32	22.38	22.24	23
10	QPSK	1	25	22.25	22.31	22.16	
10	QPSK	1	49	22.34	22.22	22.20	
10	QPSK	25	0	21.46	21.47	21.38	
10	QPSK	25	12	21.31	21.39	21.37	
10	QPSK	25	25	21.30	21.43	21.21	
10	QPSK	50	0	21.27	21.29	21.36	22
10	16QAM	1	0	21.30	21.48	21.46	
10	16QAM	1	25	21.28	21.42	21.28	
10	16QAM	1	49	21.26	21.34	21.35	
10	16QAM	25	0	20.26	20.45	20.24	
10	16QAM	25	12	20.39	20.41	20.41	
10	16QAM	25	25	20.24	20.19	20.28	21
10	16QAM	50	0	20.23	20.44	20.34	
10	64QAM	1	0	20.43	20.46	20.45	
10	64QAM	1	25	20.22	20.39	20.29	21
10	64QAM	1	49	20.28	20.23	20.30	
10	64QAM	25	0	19.36	19.45	19.40	
10	64QAM	25	12	19.20	19.29	19.35	20
10	64QAM	25	25	19.27	19.22	19.37	
10	64QAM	50	0	19.27	19.38	19.23	
Channel				26065	26365	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	22.27	22.39	22.28	23
5	QPSK	1	12	22.19	22.24	22.15	
5	QPSK	1	24	22.31	22.25	22.24	
5	QPSK	12	0	21.31	21.54	21.41	22
5	QPSK	12	7	21.33	21.53	21.42	
5	QPSK	12	13	21.28	21.46	21.37	
5	QPSK	25	0	21.47	21.48	21.44	
5	16QAM	1	0	21.31	21.51	21.23	
5	16QAM	1	12	21.25	21.42	21.41	
5	16QAM	1	24	21.30	21.33	21.40	
5	16QAM	12	0	20.32	20.44	20.42	
5	16QAM	12	7	20.28	20.38	20.35	
5	16QAM	12	13	20.22	20.29	20.30	21
5	16QAM	25	0	20.35	20.41	20.16	
5	64QAM	1	0	20.43	20.50	20.45	
5	64QAM	1	12	20.21	20.37	20.34	21
5	64QAM	1	24	20.35	20.31	20.35	
5	64QAM	12	0	19.30	19.43	19.27	
5	64QAM	12	7	19.26	19.26	19.26	20
5	64QAM	12	13	19.38	19.17	19.42	
5	64QAM	25	0	19.38	19.42	19.26	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	22.24	22.40	22.28	23
3	QPSK	1	8	22.34	22.28	22.37	
3	QPSK	1	14	22.38	22.31	22.27	
3	QPSK	8	0	21.26	21.51	21.42	
3	QPSK	8	4	21.32	21.28	21.39	
3	QPSK	8	7	21.27	21.41	21.38	

3	QPSK	15	0	21.46	21.52	21.35	22
3	16QAM	1	0	21.41	21.44	21.43	
3	16QAM	1	8	21.37	21.35	21.23	
3	16QAM	1	14	21.31	21.26	21.39	21
3	16QAM	8	0	20.28	20.46	20.48	
3	16QAM	8	4	20.31	20.29	20.32	
3	16QAM	8	7	20.30	20.27	20.31	
3	16QAM	15	0	20.25	20.41	20.26	
3	64QAM	1	0	20.40	20.45	20.39	21
3	64QAM	1	8	20.25	20.44	20.21	
3	64QAM	1	14	20.32	20.22	20.43	
3	64QAM	8	0	19.25	19.43	19.30	20
3	64QAM	8	4	19.24	19.17	19.16	
3	64QAM	8	7	19.45	19.46	19.24	
3	64QAM	15	0	19.10	19.30	19.07	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.33	22.37	22.25	23
1.4	QPSK	1	3	22.20	22.28	22.23	
1.4	QPSK	1	5	22.17	22.32	22.19	
1.4	QPSK	3	0	21.44	21.51	21.51	
1.4	QPSK	3	1	21.29	21.36	21.43	
1.4	QPSK	3	3	21.23	21.34	21.33	
1.4	QPSK	6	0	21.33	21.51	21.34	22
1.4	16QAM	1	0	21.43	21.47	21.40	21
1.4	16QAM	1	3	21.19	21.26	21.27	
1.4	16QAM	1	5	21.30	21.23	21.26	
1.4	16QAM	3	0	20.42	20.49	20.27	
1.4	16QAM	3	1	20.27	20.22	20.32	
1.4	16QAM	3	3	20.36	20.39	20.42	
1.4	16QAM	6	0	20.29	20.43	20.45	20
1.4	64QAM	1	0	20.48	20.47	20.45	21
1.4	64QAM	1	3	20.28	20.46	20.41	
1.4	64QAM	1	5	20.35	20.42	20.30	
1.4	64QAM	3	0	19.21	19.45	19.45	
1.4	64QAM	3	1	19.30	19.39	19.44	
1.4	64QAM	3	3	19.47	19.29	19.28	
1.4	64QAM	6	0	19.26	19.40	19.39	20

Band 26 for FCC (dBm) (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	24
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.32	23.43	23.37	24
15	QPSK	1	37	23.29	23.16	23.20	
15	QPSK	1	74	23.18	23.22	23.12	
15	QPSK	36	0	22.41	22.49	22.44	
15	QPSK	36	20	22.30	22.38	22.38	23
15	QPSK	36	39	22.35	22.26	22.32	
15	QPSK	75	0	22.35	22.49	22.24	
15	16QAM	1	0	22.39	22.53	22.48	
15	16QAM	1	37	22.30	22.27	22.28	23
15	16QAM	1	74	22.19	22.34	22.25	
15	16QAM	36	0	21.31	21.54	21.41	
15	16QAM	36	20	21.32	21.36	21.38	
15	16QAM	36	39	21.38	21.35	21.40	22
15	16QAM	75	0	21.36	21.50	21.49	
15	64QAM	1	0	21.50	21.44	21.34	
15	64QAM	1	37	21.24	21.37	21.37	
15	64QAM	1	74	21.37	21.30	21.22	22
15	64QAM	36	0	20.44	20.56	20.49	
15	64QAM	36	20	20.45	20.32	20.37	
15	64QAM	36	39	20.46	20.44	20.28	
15	64QAM	75	0	20.38	20.41	20.29	21
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	24
10	QPSK	1	0	23.30	23.36	23.16	
10	QPSK	1	25	23.21	23.28	23.25	23
10	QPSK	1	49	23.08	23.15	23.28	
10	QPSK	25	0	22.36	22.47	22.35	
10	QPSK	25	12	22.29	22.46	22.38	
10	QPSK	25	25	22.29	22.16	22.29	23
10	QPSK	50	0	22.31	22.35	22.28	
10	16QAM	1	0	22.43	22.45	22.40	
10	16QAM	1	25	22.36	22.26	22.44	
10	16QAM	1	49	22.09	22.42	22.25	22
10	16QAM	25	0	21.44	21.52	21.49	
10	16QAM	25	12	21.24	21.34	21.47	
10	16QAM	25	25	21.31	21.39	21.39	
10	16QAM	50	0	21.25	21.39	21.40	22
10	64QAM	1	0	21.36	21.43	21.40	
10	64QAM	1	25	21.39	21.38	21.23	
10	64QAM	1	49	21.31	21.42	21.39	
10	64QAM	25	0	20.47	20.53	20.35	21
10	64QAM	25	12	20.41	20.45	20.34	
10	64QAM	25	25	20.24	20.47	20.49	
10	64QAM	50	0	20.32	20.36	20.26	
Channel				26715	26865	27015	24
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.33	23.37	23.29	24
5	QPSK	1	12	23.35	23.21	23.30	
5	QPSK	1	24	23.09	23.31	23.24	
5	QPSK	12	0	22.27	22.48	22.25	
5	QPSK	12	7	22.36	22.34	22.47	23
5	QPSK	12	13	22.24	22.29	22.32	
5	QPSK	25	0	22.39	22.22	22.17	
5	16QAM	1	0	22.42	22.50	22.36	
5	16QAM	1	12	22.23	22.31	22.51	23
5	16QAM	1	24	22.22	22.27	22.48	
5	16QAM	12	0	21.33	21.43	21.27	
5	16QAM	12	7	21.35	21.20	21.40	
5	16QAM	12	13	21.22	21.36	21.31	22
5	16QAM	25	0	21.45	21.42	21.26	
5	64QAM	1	0	21.39	21.54	21.52	
5	64QAM	1	12	21.24	21.53	21.46	
5	64QAM	1	24	21.34	21.40	21.27	21
5	64QAM	12	0	20.48	20.50	20.47	
5	64QAM	12	7	20.27	20.26	20.38	
5	64QAM	12	13	20.31	20.40	20.50	
5	64QAM	25	0	20.43	20.42	20.30	20
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	24
3	QPSK	1	0	23.23	23.35	23.29	
3	QPSK	1	8	23.09	23.27	23.08	23
3	QPSK	1	14	23.23	23.14	23.10	
3	QPSK	8	0	22.29	22.51	22.50	
3	QPSK	8	4	22.34	22.42	22.38	
3	QPSK	8	7	22.27	22.40	22.29	23
3	QPSK	15	0	22.36	22.43	22.32	
3	16QAM	1	0	22.35	22.48	22.31	
3	16QAM	1	8	22.40	22.26	22.38	
3	16QAM	1	14	22.27	22.31	22.34	22
3	16QAM	8	0	21.31	21.54	21.41	
3	16QAM	8	4	21.25	21.30	21.24	
3	16QAM	8	7	21.34	21.50	21.43	
3	16QAM	15	0	21.25	21.24	21.27	22
3	64QAM	1	0	21.31	21.48	21.41	
3	64QAM	1	8	21.48	21.26	21.43	
3	64QAM	1	14	21.36	21.44	21.27	
3	64QAM	8	0	20.44	20.52	20.49	21
3	64QAM	8	4	20.44	20.23	20.42	
3	64QAM	8	7	20.24	20.31	20.36	
3	64QAM	15	0	20.29	20.24	20.09	
Channel				26697	26865	27033	24
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.33	23.38	23.29	24
1.4	QPSK	1	3	23.35	23.19	23.32	
1.4	QPSK	1	5	23.29	23.22	23.16	
1.4	QPSK	3	0	22.43	22.53	22.33	
1.4	QPSK	3	1	22.25	22.47	22.22	
1.4	QPSK	3	3	22.26	22.39	22.41	



1.4	QPSK	6	0	22.30	22.20	22.30	23
1.4	16QAM	1	0	22.40	22.46	22.50	23
1.4	16QAM	1	3	22.19	22.27	22.53	
1.4	16QAM	1	5	22.27	22.36	22.19	
1.4	16QAM	3	0	21.29	21.44	21.52	
1.4	16QAM	3	1	21.31	21.29	21.37	
1.4	16QAM	3	3	21.24	21.28	21.20	
1.4	16QAM	6	0	21.34	21.40	21.35	22
1.4	64QAM	1	0	21.25	21.54	21.36	22
1.4	64QAM	1	3	21.27	21.46	21.36	
1.4	64QAM	1	5	21.32	21.30	21.27	
1.4	64QAM	3	0	20.46	20.43	20.39	
1.4	64QAM	3	1	20.23	20.18	20.24	
1.4	64QAM	3	3	20.39	20.41	20.18	
1.4	64QAM	6	0	20.18	20.22	20.27	21

Band 38(only on channel required) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.07	23.11	23.06	24
20	QPSK	1	49	23.02	23.08	23.05	
20	QPSK	1	99	22.95	22.98	23.06	
20	QPSK	50	0	22.13	22.27	22.14	23
20	QPSK	50	24	22.15	22.21	22.09	
20	QPSK	50	50	22.08	22.12	22.09	
20	QPSK	100	0	22.07	22.16	21.95	23
20	16QAM	1	0	22.14	22.23	22.15	
20	16QAM	1	49	22.01	22.09	22.05	
20	16QAM	1	99	22.06	22.11	22.09	22
20	16QAM	50	0	21.21	21.24	21.07	
20	16QAM	50	24	21.02	21.08	21.17	
20	16QAM	50	50	21.12	21.09	21.03	22
20	16QAM	100	0	21.01	21.11	21.10	
20	64QAM	1	0	21.09	21.25	21.23	
20	64QAM	1	49	21.15	21.04	21.12	22
20	64QAM	1	99	20.98	21.14	21.01	
20	64QAM	50	0	20.12	20.24	20.22	
20	64QAM	50	24	20.19	20.17	20.07	21
20	64QAM	50	50	20.07	20.13	20.00	
20	64QAM	100	0	19.93	20.07	19.89	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.04	23.07	23.03	24
15	QPSK	1	37	23.04	23.04	22.94	
15	QPSK	1	74	22.98	22.98	22.87	
15	QPSK	36	0	22.12	22.20	22.19	23
15	QPSK	36	20	21.98	22.06	21.97	
15	QPSK	36	39	21.97	22.00	21.98	
15	QPSK	75	0	21.96	21.93	22.12	23
15	16QAM	1	0	22.03	22.27	22.18	
15	16QAM	1	37	22.11	21.91	22.14	
15	16QAM	1	74	21.96	22.06	22.02	22
15	16QAM	36	0	20.93	21.19	21.12	
15	16QAM	36	20	21.17	20.99	21.00	
15	16QAM	36	39	21.03	21.17	20.86	22
15	16QAM	75	0	21.10	21.06	21.15	
15	64QAM	1	0	21.07	21.04	21.18	
15	64QAM	1	37	21.19	21.24	21.07	22
15	64QAM	1	74	21.14	21.27	21.07	
15	64QAM	36	0	20.18	20.24	20.22	
15	64QAM	36	20	20.02	20.13	20.11	21
15	64QAM	36	39	19.93	20.22	20.16	
15	64QAM	75	0	20.02	20.11	20.06	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	22.99	23.09	23.05	24
10	QPSK	1	25	23.02	22.98	23.04	
10	QPSK	1	49	22.87	23.02	22.89	
10	QPSK	25	0	22.10	22.19	22.12	23
10	QPSK	25	12	22.05	22.11	22.08	
10	QPSK	25	25	22.04	22.06	22.07	
10	QPSK	50	0	22.04	22.11	22.22	23
10	16QAM	1	0	21.99	22.18	22.13	
10	16QAM	1	25	22.05	22.02	22.03	
10	16QAM	1	49	21.89	21.96	21.91	22
10	16QAM	25	0	21.15	21.21	21.03	
10	16QAM	25	12	20.91	20.95	21.14	
10	16QAM	25	25	21.06	21.19	21.13	22
10	16QAM	50	0	21.04	21.07	21.22	
10	64QAM	1	0	21.00	21.22	21.05	
10	64QAM	1	25	21.02	21.10	21.15	21
10	64QAM	1	49	21.02	21.20	20.95	
10	64QAM	25	0	20.19	20.27	20.26	
10	64QAM	25	12	20.01	19.98	20.07	21
10	64QAM	25	25	20.17	20.06	20.26	
10	64QAM	50	0	19.93	20.04	19.90	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.02	23.08	23.05	24
5	QPSK	1	12	22.96	23.00	23.01	
5	QPSK	1	24	22.96	22.97	23.00	
5	QPSK	12	0	22.21	22.23	22.21	23
5	QPSK	12	7	21.98	22.15	22.06	
5	QPSK	12	13	22.02	21.95	21.98	
5	QPSK	25	0	22.22	22.21	22.06	23
5	16QAM	1	0	21.96	22.12	22.00	
5	16QAM	1	12	21.86	21.87	22.08	
5	16QAM	1	24	21.95	22.10	21.93	22
5	16QAM	12	0	21.23	21.18	21.14	
5	16QAM	12	7	21.02	21.05	21.20	
5	16QAM	12	13	20.99	21.19	21.11	22
5	16QAM	25	0	20.96	21.05	20.94	
5	64QAM	1	0	21.08	21.25	21.22	
5	64QAM	1	12	20.99	21.23	21.13	21
5	64QAM	1	24	21.02	21.05	21.14	
5	64QAM	12	0	20.01	20.19	20.09	
5	64QAM	12	7	20.17	20.05	19.98	21
5	64QAM	12	13	19.99	19.98	19.96	
5	64QAM	25	0	19.90	20.16	19.96	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0	21.14			22
10	QPSK	1	25	21.11			
10	QPSK	1	49	20.90			
10	QPSK	25	0	20.52			21
10	QPSK	25	12	20.42			
10	QPSK	25	25	20.39			
10	QPSK	50	0	20.43			21
10	16QAM	1	0	20.24			
10	16QAM	1	25	20.27			
10	16QAM	1	49	19.95			21
10	16QAM	25	0	19.50			
10	16QAM	25	12	19.48			
10	16QAM	25	25	19.43			20
10	16QAM	50	0	19.45			
10	64QAM	1	0	19.16			
10	64QAM	1	25	19.29			20
10	64QAM	1	49	19.06			
10	64QAM	25	0	18.56			
10	64QAM	25	12	18.53			19
10	64QAM	25	25	18.40			
10	64QAM	50	0	18.44			
Channel				38725	38750	38775	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	21.01	21.06	21.05	22
5	QPSK	1	12	21.01	21.04	20.90	
5	QPSK	1	24	20.73	20.83	20.66	
5	QPSK	12	0	20.25	20.42	20.22	21
5	QPSK	12	7	20.39	20.37	20.41	
5	QPSK	12	13	20.37	20.37	20.35	
5	QPSK	25	0	20.35	20.42	20.41	21
5	16QAM	1	0	20.15	20.04	20.08	
5	16QAM	1	12	20.22	20.24	20.24	
5	16QAM	1	24	20.09	19.97	20.06	20
5	16QAM	12	0	19.52	19.54	19.29	
5	16QAM	12	7	19.50	19.52	19.25	
5	16QAM	12	13	19.48	19.49	19.19	20
5	16QAM	25	0	19.50	19.54	19.03	
5	64QAM	1	0	19.03	19.05	19.01	
5	64QAM	1	12	19.13	19.11	19.10	20
5	64QAM	1	24	18.97	19.02	19.00	
5	64QAM	12	0	18.54	18.57	18.53	
5	64QAM	12	7	18.51	18.53	18.55	19
5	64QAM	12	13	18.49	18.53	18.49	
5	64QAM	25	0	18.50	18.55	18.51	

Band 40 (2.3G Band-2) (dBm)							
Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			22
10	QPSK	1	0	21.13			
10	QPSK	1	25	21.11			
10	QPSK	1	49	20.95			21
10	QPSK	25	0	20.42			
10	QPSK	25	12	20.40			
10	QPSK	25	25	20.37			21
10	QPSK	50	0	20.19			
10	16QAM	1	0	20.34			
10	16QAM	1	25	20.32			21
10	16QAM	1	49	20.26			
10	16QAM	25	0	19.40			
10	16QAM	25	12	19.40			20
10	16QAM	25	25	19.15			
10	16QAM	50	0	19.16			
10	64QAM	1	0	19.22			20
10	64QAM	1	25	19.29			
10	64QAM	1	49	19.10			
10	64QAM	25	0	18.55			19
10	64QAM	25	12	18.54			
10	64QAM	25	25	18.51			
10	64QAM	50	0	18.44			19
Channel				39175	39200	39225	
Frequency (MHz)				2352.5	2355	2357.5	Tune-up limit (dBm)
5	QPSK	1	0	21.01	21.11	21.08	22
5	QPSK	1	12	21.07	21.08	21.10	
5	QPSK	1	24	20.80	20.79	20.83	
5	QPSK	12	0	20.50	20.50	20.44	21
5	QPSK	12	7	20.51	20.53	20.54	
5	QPSK	12	13	20.48	20.49	20.28	
5	QPSK	25	0	20.52	20.52	20.46	21
5	16QAM	1	0	20.24	20.26	19.76	
5	16QAM	1	12	20.35	19.90	19.88	
5	16QAM	1	24	20.01	20.04	20.16	20
5	16QAM	12	0	19.51	19.54	19.45	
5	16QAM	12	7	19.45	19.56	19.53	
5	16QAM	12	13	19.53	19.51	19.52	20
5	16QAM	25	0	19.54	19.35	19.35	
5	64QAM	1	0	19.08	19.08	19.08	
5	64QAM	1	12	19.19	19.19	19.16	20
5	64QAM	1	24	19.04	19.06	19.05	
5	64QAM	12	0	18.50	18.47	18.60	19
5	64QAM	12	7	18.54	18.54	18.54	
5	64QAM	12	13	18.50	18.49	18.56	
5	64QAM	25	0	18.53	18.53	18.61	

Band 41 (2535~2655MHz) (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				40140	40390	40640	40890	41140	
Frequency (MHz)				2545	2570	2595	2620	2645	
20	QPSK	1	0	23.08	23.11	23.19	23.12	23.15	24
20	QPSK	1	49	22.91	22.95	23.15	23.07	23.05	
20	QPSK	1	99	23.02	22.98	22.95	22.90	23.03	
20	QPSK	50	0	22.22	22.34	22.37	22.18	22.20	23
20	QPSK	50	24	22.10	22.14	22.35	22.05	21.97	
20	QPSK	50	50	22.01	22.04	22.01	22.09	21.98	
20	QPSK	100	0	22.07	22.10	22.28	22.25	22.13	23
20	16QAM	1	0	22.23	22.16	22.22	22.29	22.06	
20	16QAM	1	49	21.94	21.88	21.97	21.99	21.96	
20	16QAM	1	99	21.89	22.05	22.20	21.96	22.11	22
20	16QAM	50	0	21.01	21.05	21.18	21.11	21.08	
20	16QAM	50	24	21.08	21.11	21.10	21.12	21.06	
20	16QAM	50	50	20.95	21.01	21.16	21.03	20.81	22
20	16QAM	100	0	20.85	21.00	21.17	21.17	21.00	
20	64QAM	1	0	21.06	21.05	21.27	21.23	21.00	
20	64QAM	1	49	21.17	21.26	21.21	21.24	21.10	22
20	64QAM	1	99	20.99	20.98	21.20	21.20	21.07	
20	64QAM	50	0	20.11	20.21	20.24	20.14	20.08	
20	64QAM	50	24	19.96	20.05	20.11	20.10	19.93	21
20	64QAM	50	50	20.02	20.02	20.12	20.27	19.98	
20	64QAM	100	0	20.06	19.99	20.14	19.95	19.97	
Channel				40115	40378	40640	40903	41165	Tune-up limit (dBm)
Frequency (MHz)				2542.5	2568.8	2595	2621.3	2647.5	
15	QPSK	1	0	22.97	23.13	23.14	22.84	22.88	24
15	QPSK	1	37	23.10	22.94	23.05	23.05	23.05	
15	QPSK	1	74	22.94	22.84	23.11	22.95	23.03	
15	QPSK	36	0	22.12	22.34	22.35	22.28	22.09	23
15	QPSK	36	20	21.98	21.96	22.12	22.16	21.92	
15	QPSK	36	39	21.93	21.97	21.93	21.98	21.97	
15	QPSK	75	0	21.91	21.91	22.11	22.10	21.98	23
15	16QAM	1	0	21.94	22.00	22.22	22.14	21.96	
15	16QAM	1	37	22.01	21.90	22.04	22.12	22.07	
15	16QAM	1	74	21.99	22.13	22.04	22.05	22.04	22
15	16QAM	36	0	20.92	21.11	21.11	20.99	21.11	
15	16QAM	36	20	21.09	21.05	21.03	21.20	21.07	
15	16QAM	36	39	20.93	21.00	21.02	21.15	20.97	22
15	16QAM	75	0	21.00	21.14	21.27	21.23	21.11	
15	64QAM	1	0	21.09	20.93	21.13	21.09	21.18	
15	64QAM	1	37	20.98	20.98	21.14	21.06	21.08	22
15	64QAM	1	74	20.97	21.15	21.22	21.00	21.03	
15	64QAM	36	0	19.95	20.21	20.24	19.95	19.86	
15	64QAM	36	20	19.99	19.89	19.87	20.14	19.92	21
15	64QAM	36	39	19.88	19.97	20.17	20.04	19.89	
15	64QAM	75	0	19.72	19.93	19.98	19.96	19.98	
Channel				40090	40365	40640	40915	41190	Tune-up limit (dBm)
Frequency (MHz)				2540	2567.5	2595	2622.5	2650	
10	QPSK	1	0	23.04	23.14	23.15	23.05	23.08	24
10	QPSK	1	25	22.91	23.07	23.09	23.08	23.00	
10	QPSK	1	49	23.03	23.00	22.88	23.07	22.95	
10	QPSK	25	0	21.99	22.05	22.15	22.13	21.82	23
10	QPSK	25	12	21.91	21.93	22.04	21.97	21.82	
10	QPSK	25	25	21.99	21.98	22.07	21.97	21.88	
10	QPSK	50	0	22.04	22.03	22.16	21.90	21.94	23
10	16QAM	1	0	21.99	22.14	22.07	22.14	22.24	
10	16QAM	1	25	21.95	22.09	22.15	21.98	21.97	
10	16QAM	1	49	22.12	21.88	21.99	22.06	22.16	22
10	16QAM	25	0	20.83	20.99	21.17	21.10	20.85	
10	16QAM	25	12	20.92	20.92	21.04	20.98	21.08	
10	16QAM	25	25	20.95	20.92	20.98	20.93	20.98	22
10	16QAM	50	0	21.02	20.96	21.11	20.89	20.88	
10	64QAM	1	0	20.97	21.08	21.15	21.11	21.19	
10	64QAM	1	25	21.13	21.07	21.19	21.01	20.99	21
10	64QAM	1	49	20.95	20.96	21.12	21.07	21.13	
10	64QAM	25	0	20.09	20.14	20.16	19.95	19.91	
10	64QAM	25	12	20.08	20.00	19.96	19.90	19.98	21
10	64QAM	25	25	19.81	20.11	19.93	20.16	19.93	
10	64QAM	50	0	19.84	20.00	19.93	19.83	19.94	
Channel				40065	40353	40640	40928	41215	Tune-up limit (dBm)
Frequency (MHz)				2537.5	2566.3	2595	2623.80	2652.5	
5	QPSK	1	0	23.10	23.02	23.13	22.95	23.00	24
5	QPSK	1	12	22.90	22.90	23.12	23.02	22.88	
5	QPSK	1	24	22.88	22.87	22.81	23.10	22.90	
5	QPSK	12	0	21.95	22.09	22.12	22.08	22.01	23
5	QPSK	12	7	21.84	21.84	22.05	22.07	21.85	
5	QPSK	12	13	22.02	22.00	22.07	21.88	21.78	
5	QPSK	25	0	21.95	21.94	22.02	22.18	21.94	23
5	16QAM	1	0	22.11	22.12	22.10	22.03	22.11	
5	16QAM	1	12	22.09	22.08	22.05	22.13	21.90	
5	16QAM	1	24	22.07	21.93	22.13	22.10	22.08	22
5	16QAM	12	0	21.14	21.12	21.11	21.05	21.09	
5	16QAM	12	7	20.98	20.86	20.91	20.93	21.02	
5	16QAM	12	13	20.80	20.85	20.96	20.98	20.98	22
5	16QAM	25	0	20.97	20.87	20.99	21.13	20.80	
5	64QAM	1	0	20.92	21.01	21.10	21.18	21.09	
5	64QAM	1	12	21.07	21.07	21.20	21.16	20.92	21
5	64QAM	1	24	20.96	20.97	21.15	20.97	20.99	
5	64QAM	12	0	19.92	20.06	20.10	19.95	19.83	
5	64QAM	12	7	19.96	19.99	20.08	20.11	19.84	21
5	64QAM	12	13	19.99	20.03	19.97	20.12	19.89	
5	64QAM	25	0	19.74	20.01	20.03	19.99	19.72	

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	15.22	16.00	Default	99.67
		CH 6	2437	15.61	16.50	Default	
		CH 11	2462	15.68	16.50	Default	
	802.11g 6Mbps	CH 1	2412	11.47	12.50	Default	97.62
		CH 6	2437	13.77	14.50	Default	
		CH 11	2462	13.20	14.00	Default	
	802.11n-HT20 MCS0	CH 1	2412	11.53	12.50	Default	99.03
		CH 6	2437	13.38	14.00	Default	
		CH 11	2462	13.78	14.50	Default	
	802.11n-HT40 MCS0	CH 3	2422	8.47	9.50	12.00	95.01
		CH 6	2437	12.84	14.00	16.50	
		CH 9	2452	11.47	12.50	15.00	

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	9.53	10.50	16.00	97.90
		CH 44	5220	8.80	9.50	16.00	
		CH 48	5240	9.01	10.00	16.00	

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	8.59	9.50	16.00	97.20
		CH 60	5300	9.19	10.00	16.00	
		CH 64	5320	8.58	9.50	16.00	

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	11.67	12.50	17.00	97.20
		CH 120	5600	11.87	12.50	17.00	
		CH 144	5720	11.01	12.00	17.00	

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
BR / EDR	CH 00	2402	1.63	2.50	-0.86	1.00	-0.85	1.00
	CH 39	2441	2.08	3.00	-0.56	1.00	-0.50	1.00
	CH 78	2480	1.82	2.50	-0.63	1.00	-0.68	1.00
Duty Cycle %			76.89		76.96		77.01	

Mode	Channel	Frequency (MHz)	Average power (dBm)
			GFSK
LE	CH 00	2402	0.63
	CH 19	2440	0.89
	CH 39	2480	0.86
Tune-up Limit			1.5
Duty Cycle %			61.9