



REPORT No.: SZ25090307S01

Annex B Conducted Power

Note:

Conducted power unit: dBm

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

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	23.30	23.53	23.49	25	
20	QPSK	1	49	23.29	23.25	23.06		
20	QPSK	1	99	23.19	23.24	23.05		
20	QPSK	50	0	22.50	22.58	22.42		
20	QPSK	50	24	22.39	22.41	22.30	24	
20	QPSK	50	50	22.31	22.41	22.40		
20	QPSK	100	0	22.31	22.53	22.43		
20	16QAM	1	0	22.46	22.60	22.37		
20	16QAM	1	49	22.41	22.53	22.41	24	
20	16QAM	1	99	22.41	22.50	22.44		
20	16QAM	50	0	21.44	21.45	21.35		
20	16QAM	50	24	21.43	21.42	21.38		
20	16QAM	50	50	21.26	21.31	21.28	23	
20	16QAM	100	0	21.29	21.44	21.31		
20	64QAM	1	0	21.40	21.55	21.23		
20	64QAM	1	49	21.43	21.41	21.49		
20	64QAM	1	99	21.37	21.50	21.37	23	
20	64QAM	50	0	20.47	20.48	20.37		
20	64QAM	50	24	20.58	20.37	20.52		
20	64QAM	50	50	20.40	20.45	20.14		
20	64QAM	100	0	20.25	20.44	20.24	22	
Channel				18675	18900	19125	Tune-up limit (dBm)	
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.22	23.50	23.43	25	
15	QPSK	1	37	23.17	23.21	23.05		
15	QPSK	1	74	23.09	23.17	23.02		
15	QPSK	36	0	22.41	22.52	22.32		
15	QPSK	36	20	22.29	22.35	22.21	24	
15	QPSK	36	39	22.25	22.33	22.30		
15	QPSK	75	0	22.20	22.44	22.34		
15	16QAM	1	0	22.39	22.48	22.30		
15	16QAM	1	37	22.46	22.46	22.32	24	
15	16QAM	1	74	22.35	22.38	22.31		
15	16QAM	36	0	21.39	21.30	21.28		
15	16QAM	36	20	21.34	21.29	21.36		
15	16QAM	36	39	21.19	21.26	21.19	23	
15	16QAM	75	0	21.14	21.40	21.21		
15	64QAM	1	0	21.28	21.52	21.29		
15	64QAM	1	37	21.39	21.34	21.38		
15	64QAM	1	74	21.23	21.39	21.35	23	
15	64QAM	36	0	20.46	20.48	20.23		
15	64QAM	36	20	20.55	20.34	20.44		
15	64QAM	36	39	20.34	20.32	20.17		
15	64QAM	75	0	20.14	20.30	20.14	22	
Channel				18650	18900	19150	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.23	23.46	23.37	25	
10	QPSK	1	25	23.22	23.20	23.06		
10	QPSK	1	49	23.15	23.16	23.07		
10	QPSK	25	0	22.40	22.49	22.34		
10	QPSK	25	12	22.30	22.34	22.21	24	
10	QPSK	25	25	22.24	22.36	22.34		
10	QPSK	50	0	22.27	22.41	22.34		
10	16QAM	1	0	22.43	22.57	22.26		
10	16QAM	1	25	22.38	22.40	22.35	24	
10	16QAM	1	49	22.30	22.42	22.30		
10	16QAM	25	0	21.34	21.34	21.33		
10	16QAM	25	12	21.33	21.31	21.33		
10	16QAM	25	25	21.15	21.22	21.18	23	
10	16QAM	50	0	21.25	21.30	21.24		
10	64QAM	1	0	21.73	21.88	21.41		
10	64QAM	1	25	21.68	21.70	21.76		
10	64QAM	1	49	21.66	21.75	21.53	23	
10	64QAM	25	0	20.79	20.64	20.65		
10	64QAM	25	12	20.83	20.64	20.87		
10	64QAM	25	25	20.76	20.60	20.44		
10	64QAM	50	0	20.50	20.80	20.46	22	
Channel				18625	18900	19175	Tune-up limit (dBm)	
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.27	23.49	23.45	25	
5	QPSK	1	12	23.19	23.13	23.03		
5	QPSK	1	24	23.10	23.21	23.18		
5	QPSK	12	0	22.47	22.54	22.37		
5	QPSK	12	7	22.27	22.34	22.21	24	
5	QPSK	12	13	22.20	22.37	22.31		
5	QPSK	25	0	22.25	22.42	22.39		
5	16QAM	1	0	22.34	22.52	22.28		
5	16QAM	1	12	22.44	22.42	22.34	24	
5	16QAM	1	24	22.26	22.41	22.31		
5	16QAM	12	0	21.32	21.30	21.27		
5	16QAM	12	7	21.38	21.27	21.26		
5	16QAM	12	13	21.16	21.27	21.15	23	
5	16QAM	25	0	21.16	21.41	21.24		
5	64QAM	1	0	21.45	21.48	21.14		
5	64QAM	1	12	21.46	21.27	21.55		
5	64QAM	1	24	21.27	21.55	21.22	23	
5	64QAM	12	0	20.53	20.35	20.36		
5	64QAM	12	7	20.63	20.36	20.53		
5	64QAM	12	13	20.36	20.34	20.32		
5	64QAM	25	0	20.11	20.31	20.27	22	
Channel				18615	18900	19185	Tune-up limit (dBm)	
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.27	23.44	23.41	25	
3	QPSK	1	8	23.19	23.17	23.24		
3	QPSK	1	14	23.14	23.12	23.14		
3	QPSK	8	0	22.41	22.52	22.32		

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	23.64	23.61	23.56	25	
20	QPSK	1	49	23.52	23.53	23.49		
20	QPSK	1	99	23.54	23.42	23.54		
20	QPSK	50	0	22.77	22.76	22.63		
20	QPSK	50	24	22.66	22.50	22.55	24	
20	QPSK	50	50	22.65	22.52	22.59		
20	QPSK	100	0	22.65	22.52	22.59		
20	16QAM	1	0	22.79	22.68	22.70		
20	16QAM	1	49	22.75	22.43	22.46	24	
20	16QAM	1	99	22.62	22.47	22.49		
20	16QAM	50	0	21.79	21.54	21.64		
20	16QAM	50	24	21.76	21.68	21.55		
20	16QAM	50	50	21.62	21.53	21.57	23	
20	16QAM	100	0	21.70	21.55	21.62		
20	64QAM	1	0	21.91	21.76	21.81		
20	64QAM	1	49	21.72	21.50	21.79		
20	64QAM	1	99	21.54	21.48	21.49	23	
20	64QAM	50	0	20.91	20.51	20.68		
20	64QAM	50	24	20.72	20.76	20.68		
20	64QAM	50	50	20.74	20.52	20.52		
20	64QAM	100	0	20.55	20.50	20.46	22	
Channel				20025	20175	20325	Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	23.55	23.53	23.48	25	
15	QPSK	1	37	23.42	23.47	23.42		
15	QPSK	1	74	23.51	23.33	23.48		
15	QPSK	36	0	22.69	22.66	22.52		
15	QPSK	36	20	22.62	22.39	22.47	24	
15	QPSK	36	39	22.59	22.47	22.51		
15	QPSK	75	0	22.53	22.47	22.50		
15	16QAM	1	0	22.69	22.64	22.64		
15	16QAM	1	37	22.66	22.32	22.39	24	
15	16QAM	1	74	22.58	22.34	22.36		
15	16QAM	36	0	21.72	21.46	21.50		
15	16QAM	36	20	21.74	21.55	21.43		
15	16QAM	36	39	21.54	21.40	21.51	23	
15	16QAM	75	0	21.68	21.40	21.49		
15	64QAM	1	0	21.87	21.62	21.72		
15	64QAM	1	37	21.61	21.56	21.75		
15	64QAM	1	74	21.52	21.45	21.55	23	
15	64QAM	36	0	20.96	20.48	20.63		
15	64QAM	36	20	20.78	20.66	20.67		
15	64QAM	36	39	20.70	20.59	20.56		
15	64QAM	75	0	20.47	20.49	20.39	22	
Channel				20000	20175	20350	Tune-up limit (dBm)	
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	23.55	23.54	23.44	25	
10	QPSK	1	25	23.43	23.43	23.43		
10	QPSK	1	49	23.43	23.37	23.49		
10	QPSK	25	0	22.69	22.68	22.52		
10	QPSK	25	12	22.60	22.40	22.50	24	
10	QPSK	25	25	22.60	22.41	22.53		
10	QPSK	50	0	22.56	22.45	22.49		
10	16QAM	1	0	22.74	22.62	22.61		
10	16QAM	1	25	22.74	22.36	22.37	24	
10	16QAM	1	49	22.59	22.40	22.37		
10	16QAM	25	0	21.66	21.50	21.56		
10	16QAM	25	12	21.68	21.61	21.52		
10	16QAM	25	25	21.55	21.49	21.53	23	
10	16QAM	50	0	21.66	21.49	21.50		
10	64QAM	1	0	21.37	21.66	21.82		
10	64QAM	1	25	21.76	21.37	21.79		
10	64QAM	1	49	21.59	21.45	21.51	23	
10	64QAM	25	0	20.56	20.44	20.75		
10	64QAM	25	12	20.63	20.77	20.62		
10	64QAM	25	25	20.69	20.39	20.47		
10	64QAM	50	0	20.52	20.39	20.38	22	
Channel				19975	20175	20375	Tune-up limit (dBm)	
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	23.52	23.58	23.48	25	
5	QPSK	1	12	23.40	23.42	23.42		
5	QPSK	1	24	23.49	23.34	23.46		
5	QPSK	12	0	22.66	22.71	22.59		
5	QPSK	12	7	22.62	22.39	22.45	24	
5	QPSK	12	13	22.62	22.42	22.49		
5	QPSK	25	0	22.54	22.41	22.47		
5	16QAM	1	0	22.75	22.58	22.65		
5	16QAM	1	12	22.70	22.39	22.43	24	
5	16QAM	1	24	22.52	22.39	22.36		
5	16QAM	12	0	21.74	21.49	21.58		
5	16QAM	12	7	21.69	21.63	21.43		
5	16QAM	12	13	21.56	21.43	21.43	23	
5	16QAM	25	0	21.67	21.49	21.47		
5	64QAM	1	0	21.67	21.83	21.77		
5	64QAM	1	12	21.67	21.53	21.83		
5	64QAM	1	24	21.44	21.46	21.53	23	
5	64QAM	12	0	20.82	20.50	20.60		
5	64QAM	12	7	20.71	20.61	20.55		
5	64QAM	12	13	20.80	20.59	20.41		
5	64QAM	25	0	20.54	20.41	20.35	22	
Channel				19965	20175	20385	Tune-up limit (dBm)	
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	23.61	23.55	23.50	25	
3	QPSK	1	8	23.41	23.43	23.37		
3	QPSK	1	14	23.49	23.31	23.50		
3	QPSK	8	0	22.68	22.70	22.51		

3	QPSK	8	4	22.34	22.29	22.23	24
3	QPSK	8	7	22.21	22.38	22.28	
3	QPSK	15	0	22.19	22.43	22.38	
3	16QAM	1	0	22.39	22.48	22.25	24
3	16QAM	1	8	22.39	22.47	22.32	
3	16QAM	1	14	22.28	22.41	22.33	
3	16QAM	8	0	21.36	21.34	21.26	23
3	16QAM	8	4	21.35	21.29	21.26	
3	16QAM	8	7	21.24	21.27	21.26	
3	16QAM	15	0	21.17	21.42	21.18	
3	64QAM	1	0	21.41	21.55	21.15	
3	64QAM	1	8	21.43	21.28	21.45	23
3	64QAM	1	14	21.36	21.52	21.40	
3	64QAM	8	0	20.43	20.54	20.32	
3	64QAM	8	4	20.57	20.22	20.54	22
3	64QAM	8	7	20.26	20.52	20.22	
Channel				18907	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.25	23.47	23.42	25
1.4	QPSK	1	3	23.19	23.13	23.09	
1.4	QPSK	1	5	23.07	23.14	23.16	
1.4	QPSK	3	0	23.25	23.32	23.16	
1.4	QPSK	3	1	23.13	23.18	23.10	
1.4	QPSK	3	3	23.05	23.18	23.17	
1.4	QPSK	6	0	22.26	22.45	22.34	24
1.4	16QAM	1	0	22.42	22.57	22.27	24
1.4	16QAM	1	3	22.43	22.48	22.37	
1.4	16QAM	1	5	22.26	22.35	22.38	
1.4	16QAM	3	0	22.18	22.17	22.10	
1.4	16QAM	3	1	22.21	22.19	22.08	
1.4	16QAM	3	3	22.00	22.10	22.08	23
1.4	16QAM	6	0	21.16	21.42	21.27	
1.4	64QAM	1	0	21.29	21.52	21.11	
1.4	64QAM	1	3	21.32	21.40	21.38	23
1.4	64QAM	1	5	21.39	21.43	21.44	
1.4	64QAM	3	0	21.23	21.35	21.10	
1.4	64QAM	3	1	21.42	21.18	21.38	
1.4	64QAM	3	3	21.10	21.15	21.07	
1.4	64QAM	6	0	20.29	20.38	20.19	22

3	QPSK	8	4	22.61	22.43	22.52	24
3	QPSK	8	7	22.56	22.41	22.47	
3	QPSK	15	0	22.58	22.47	22.55	
3	16QAM	1	0	22.74	22.56	22.65	24
3	16QAM	1	8	22.67	22.36	22.37	
3	16QAM	1	14	22.49	22.42	22.43	
3	16QAM	8	0	21.67	21.41	21.51	23
3	16QAM	8	4	21.70	21.56	21.40	
3	16QAM	8	7	21.57	21.38	21.50	
3	16QAM	15	0	21.66	21.51	21.51	
3	64QAM	1	0	21.71	21.79	21.77	
3	64QAM	1	8	21.76	21.40	21.82	23
3	64QAM	1	14	21.60	21.39	21.35	
3	64QAM	8	0	20.85	20.53	20.60	
3	64QAM	8	4	20.67	20.72	20.60	22
3	64QAM	8	7	20.78	20.42	20.49	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.54	23.53	23.44	25
1.4	QPSK	1	3	23.42	23.42	23.40	
1.4	QPSK	1	5	23.51	23.33	23.50	
1.4	QPSK	3	0	23.23	23.14	23.02	
1.4	QPSK	3	1	23.04	23.09	23.16	
1.4	QPSK	3	3	23.06	23.10	23.02	
1.4	QPSK	6	0	22.60	22.41	22.48	24
1.4	16QAM	1	0	22.69	22.60	22.63	24
1.4	16QAM	1	3	22.70	22.38	22.39	
1.4	16QAM	1	5	22.58	22.33	22.41	
1.4	16QAM	3	0	22.15	22.15	22.06	
1.4	16QAM	3	1	22.22	22.12	22.19	
1.4	16QAM	3	3	22.17	22.12	22.03	23
1.4	16QAM	6	0	21.58	21.51	21.55	
1.4	64QAM	1	0	21.83	21.75	21.68	
1.4	64QAM	1	3	21.58	21.52	21.70	23
1.4	64QAM	1	5	21.42	21.45	21.37	
1.4	64QAM	3	0	21.48	21.14	21.17	
1.4	64QAM	3	1	21.17	21.32	21.21	
1.4	64QAM	3	3	21.17	21.18	21.11	
1.4	64QAM	6	0	20.50	20.40	20.36	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	23.07	23.26	23.21	25	
10	QPSK	1	25	23.12	23.03	23.08		
10	QPSK	1	49	23.03	23.16	23.01		
10	QPSK	25	0	22.06	22.24	22.06		
10	QPSK	25	12	22.01	22.11	22.04	24	
10	QPSK	25	25	22.05	22.20	22.03		
10	QPSK	50	0	22.07	22.08	22.11		
10	16QAM	1	0	22.19	22.24	22.11		
10	16QAM	1	25	22.13	22.16	22.10	24	
10	16QAM	1	49	22.18	22.05	22.10		
10	16QAM	25	0	21.21	21.37	21.18		
10	16QAM	25	12	21.28	21.18	21.05		
10	16QAM	25	25	21.33	21.14	21.26	23	
10	16QAM	50	0	21.05	21.24	21.30		
10	64QAM	1	0	21.06	21.20	21.05		
10	64QAM	1	25	21.12	21.11	21.07		
10	64QAM	1	49	21.20	21.13	21.09	23	
10	64QAM	25	0	20.14	20.46	20.23		
10	64QAM	25	12	20.36	20.12	20.15		
10	64QAM	25	25	20.18	20.03	20.36		
10	64QAM	50	0	20.06	20.20	20.24	22	
Channel				20425	20525	20625	Tune-up limit (dBm)	
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.00	23.15	23.10	25	
5	QPSK	1	12	23.00	23.05	23.01		
5	QPSK	1	24	23.11	23.13	23.06		
5	QPSK	12	0	22.00	22.13	22.11		
5	QPSK	12	7	22.03	22.01	22.12	24	
5	QPSK	12	13	22.09	22.11	22.12		
5	QPSK	25	0	22.10	22.09	22.08		
5	16QAM	1	0	22.09	22.15	22.12		
5	16QAM	1	12	22.12	22.10	22.03	24	
5	16QAM	1	24	22.11	22.03	22.01		
5	16QAM	12	0	21.16	21.28	21.14		
5	16QAM	12	7	21.20	21.11	21.02		
5	16QAM	12	13	21.20	21.11	21.18	23	
5	16QAM	25	0	21.05	21.16	21.17		
5	64QAM	1	0	21.07	21.23	21.08		
5	64QAM	1	12	21.04	21.12	21.09		
5	64QAM	1	24	21.07	21.13	21.10	23	
5	64QAM	12	0	20.07	20.33	20.28		
5	64QAM	12	7	20.40	20.07	20.07		
5	64QAM	12	13	20.10	20.06	20.23		
5	64QAM	25	0	20.04	20.11	20.23	22	
Channel				20415	20525	20635	Tune-up limit (dBm)	
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.03	23.14	23.12	25	
3	QPSK	1	8	23.05	23.11	23.12		
3	QPSK	1	14	23.12	23.06	23.03		
3	QPSK	8	0	22.02	22.21	22.09		
3	QPSK	8	4	22.03	22.06	22.01	24	
3	QPSK	8	7	22.11	22.09	22.10		
3	QPSK	15	0	22.12	22.09	22.07		
3	16QAM	1	0	22.13	22.19	22.12		
3	16QAM	1	8	22.04	22.14	22.10	24	
3	16QAM	1	14	22.11	22.10	22.12		
3	16QAM	8	0	21.17	21.25	21.14		
3	16QAM	8	4	21.18	21.05	21.03		
3	16QAM	8	7	21.20	21.12	21.11	23	
3	16QAM	15	0	21.09	21.18	21.18		
3	64QAM	1	0	21.07	21.27	21.05		
3	64QAM	1	8	21.10	21.05	21.11		
3	64QAM	1	14	21.17	21.13	21.09	23	
3	64QAM	8	0	20.11	20.32	20.14		
3	64QAM	8	4	20.41	20.17	20.20		
3	64QAM	8	7	20.19	20.08	20.34		
3	64QAM	15	0	20.02	20.14	20.10	22	
Channel				20407	20525	20643	Tune-up limit (dBm)	
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.01	23.19	23.19	25	
1.4	QPSK	1	3	23.11	23.01	23.09		
1.4	QPSK	1	5	23.04	23.10	23.03		
1.4	QPSK	3	0	23.00	23.14	23.00		
1.4	QPSK	3	1	23.00	23.07	23.03	24	
1.4	QPSK	3	3	23.01	23.11	23.08		
1.4	QPSK	6	0	22.04	22.09	22.08		
1.4	16QAM	1	0	22.16	22.25	22.07		
1.4	16QAM	1	3	22.26	22.10	22.09	24	
1.4	16QAM	1	5	22.14	22.06	22.04		
1.4	16QAM	3	0	22.06	22.27	22.03		
1.4	16QAM	3	1	22.20	22.06	22.03		
1.4	16QAM	3	3	22.25	22.05	22.18	23	
1.4	16QAM	6	0	21.08	21.14	21.32		
1.4	64QAM	1	0	21.07	21.14	21.00		
1.4	64QAM	1	3	21.11	21.02	21.17		
1.4	64QAM	1	5	21.21	21.21	21.17	23	
1.4	64QAM	3	0	21.10	21.42	21.12		
1.4	64QAM	3	1	21.22	21.08	21.05		
1.4	64QAM	3	3	21.04	21.04	21.34		
1.4	64QAM	6	0	20.03	20.16	20.30	22	

Band 7 (2600MHz Band) (dBm) Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up lim (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.42	23.53	23.45	25
20	QPSK	1	49	23.36	23.44	23.39	
20	QPSK	1	99	23.38	23.32	23.36	
20	QPSK	50	0	22.62	22.69	22.64	
20	QPSK	50	24	22.66	22.62	22.66	24
20	QPSK	50	50	22.60	22.60	22.62	
20	QPSK	100	0	22.61	22.71	22.68	
20	16QAM	1	0	22.57	22.66	22.66	
20	16QAM	1	49	22.58	22.21	22.65	24
20	16QAM	1	99	22.64	22.49	22.70	
20	16QAM	50	0	21.64	21.65	21.68	
20	16QAM	50	24	21.63	21.58	21.58	
20	16QAM	50	50	21.69	21.62	21.63	23
20	16QAM	100	0	21.66	21.78	21.78	
20	64QAM	1	0	21.69	21.75	21.64	
20	64QAM	1	49	21.60	21.55	21.73	
20	64QAM	1	99	21.60	21.49	21.64	23
20	64QAM	50	0	20.73	20.65	20.91	
20	64QAM	50	24	20.86	20.64	20.73	
20	64QAM	50	50	20.81	20.71	20.81	
20	64QAM	100	0	20.82	20.76	20.74	22
Channel				20825	21100	21375	Tune-up lim (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.34	23.45	23.41	25
15	QPSK	1	37	23.25	23.34	23.34	
15	QPSK	1	74	23.26	23.29	23.28	
15	QPSK	36	0	22.52	22.62	22.55	
15	QPSK	36	20	22.61	22.50	22.61	24
15	QPSK	36	39	22.52	22.49	22.58	
15	QPSK	75	0	22.50	22.63	22.62	
15	16QAM	1	0	22.46	22.57	22.60	
15	16QAM	1	37	22.65	22.15	22.60	24
15	16QAM	1	74	22.62	22.38	22.55	
15	16QAM	36	0	21.54	21.60	21.60	
15	16QAM	36	20	21.54	21.54	21.49	
15	16QAM	36	39	21.63	21.60	21.61	23
15	16QAM	75	0	21.57	21.63	21.76	
15	64QAM	1	0	21.68	21.79	21.63	
15	64QAM	1	37	21.48	21.46	21.72	
15	64QAM	1	74	21.61	21.36	21.68	23
15	64QAM	36	0	20.73	20.61	20.93	
15	64QAM	36	20	20.93	20.66	20.78	
15	64QAM	36	39	20.67	20.68	20.81	
15	64QAM	75	0	20.74	20.73	20.60	22
Channel				20800	21100	21400	Tune-up lim (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	23.39	23.42	23.40	25
10	QPSK	1	25	23.33	23.40	23.27	
10	QPSK	1	49	23.35	23.23	23.28	
10	QPSK	25	0	22.52	22.60	22.53	
10	QPSK	25	12	22.55	22.52	22.63	24
10	QPSK	25	25	22.48	22.50	22.52	
10	QPSK	50	0	22.57	22.68	22.60	
10	16QAM	1	0	22.45	22.61	22.62	
10	16QAM	1	25	22.52	22.30	22.51	24
10	16QAM	1	49	22.60	22.45	22.64	
10	16QAM	25	0	21.54	21.63	21.62	
10	16QAM	25	12	21.56	21.45	21.50	
10	16QAM	25	25	21.64	21.51	21.56	23
10	16QAM	50	0	21.52	21.71	21.63	
10	64QAM	1	0	21.68	21.70	21.60	
10	64QAM	1	25	21.46	21.41	21.63	
10	64QAM	1	49	21.63	21.39	21.60	23
10	64QAM	25	0	20.75	20.69	20.80	
10	64QAM	25	12	20.83	20.62	20.61	
10	64QAM	25	25	20.84	20.74	20.67	
10	64QAM	50	0	20.88	20.65	20.76	22
Channel				20775	21100	21425	Tune-up lim (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.30	23.42	23.34	25
5	QPSK	1	12	23.25	23.40	23.35	
5	QPSK	1	24	23.32	23.28	23.27	
5	QPSK	12	0	22.56	22.64	22.53	
5	QPSK	12	7	22.56	22.55	22.60	24
5	QPSK	12	13	22.50	22.55	22.56	
5	QPSK	25	0	22.52	22.66	22.56	
5	16QAM	1	0	22.49	22.60	22.56	
5	16QAM	1	12	22.59	22.17	22.63	24
5	16QAM	1	24	22.51	22.42	22.63	
5	16QAM	12	0	21.52	21.56	21.66	
5	16QAM	12	7	21.55	21.53	21.56	
5	16QAM	12	13	21.54	21.47	21.61	23
5	16QAM	25	0	21.59	21.75	21.73	
5	64QAM	1	0	21.59	21.74	21.49	
5	64QAM	1	12	21.50	21.51	21.76	
5	64QAM	1	24	21.60	21.35	21.54	23
5	64QAM	12	0	20.76	20.72	20.98	
5	64QAM	12	7	20.84	20.55	20.58	
5	64QAM	12	13	20.67	20.59	20.82	
5	64QAM	25	0	20.80	20.76	20.59	22

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	25
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.46	23.50	23.49	25
10	QPSK	1	25	23.40	23.33	23.24	
10	QPSK	1	49	23.49	23.32	23.28	
10	QPSK	25	0	22.43	22.49	22.28	
10	QPSK	25	12	22.31	22.26	22.24	24
10	QPSK	25	25	22.39	22.32	22.30	
10	QPSK	50	0	22.31	22.39	22.30	
10	16QAM	1	0	22.60	22.38	22.37	
10	16QAM	1	25	22.40	22.33	22.28	24
10	16QAM	1	49	22.47	22.36	22.36	
10	16QAM	25	0	21.56	21.43	21.63	
10	16QAM	25	12	21.56	21.63	21.51	
10	16QAM	25	25	21.57	21.46	21.44	23
10	16QAM	50	0	21.44	21.33	21.28	
10	64QAM	1	0	21.73	21.27	21.29	
10	64QAM	1	25	21.47	21.41	21.44	
10	64QAM	1	49	21.52	21.25	21.34	23
10	64QAM	25	0	20.56	20.32	20.57	
10	64QAM	25	12	20.59	20.75	20.44	
10	64QAM	25	25	20.55	20.54	20.52	
10	64QAM	50	0	20.41	20.43	20.36	22
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.35	23.38	23.37	25
5	QPSK	1	12	23.33	23.25	23.18	
5	QPSK	1	24	23.39	23.20	23.16	
5	QPSK	12	0	22.39	22.42	22.19	
5	QPSK	12	7	22.22	22.22	22.19	24
5	QPSK	12	13	22.27	22.29	22.26	
5	QPSK	25	0	22.25	22.30	22.26	
5	16QAM	1	0	22.49	22.27	22.29	
5	16QAM	1	12	22.35	22.18	22.15	24
5	16QAM	1	24	22.32	22.23	22.31	
5	16QAM	12	0	21.54	21.33	21.61	
5	16QAM	12	7	21.45	21.58	21.39	
5	16QAM	12	13	21.47	21.36	21.29	23
5	16QAM	25	0	21.34	21.26	21.13	
5	64QAM	1	0	21.60	21.12	21.32	
5	64QAM	1	12	21.53	21.48	21.39	
5	64QAM	1	24	21.41	21.18	21.35	23
5	64QAM	12	0	20.47	20.35	20.43	
5	64QAM	12	7	20.45	20.70	20.29	
5	64QAM	12	13	20.45	20.50	20.56	
5	64QAM	25	0	20.40	20.30	20.39	22
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)
3	QPSK	1	0	23.40	23.41	23.45	25
3	QPSK	1	8	23.37	23.21	23.21	
3	QPSK	1	14	23.38	23.22	23.22	
3	QPSK	8	0	22.36	22.43	22.23	
3	QPSK	8	4	22.24	22.17	22.18	24
3	QPSK	8	7	22.30	22.29	22.27	
3	QPSK	15	0	22.25	22.34	22.19	
3	16QAM	1	0	22.51	22.32	22.30	
3	16QAM	1	8	22.42	22.31	22.26	24
3	16QAM	1	14	22.41	22.32	22.22	
3	16QAM	8	0	21.49	21.37	21.58	
3	16QAM	8	4	21.42	21.52	21.46	
3	16QAM	8	7	21.46	21.43	21.34	23
3	16QAM	15	0	21.35	21.22	21.17	
3	64QAM	1	0	21.57	21.34	21.26	
3	64QAM	1	8	21.38	21.33	21.40	
3	64QAM	1	14	21.52	21.15	21.22	23
3	64QAM	8	0	20.59	20.36	20.46	
3	64QAM	8	4	20.47	20.67	20.48	
3	64QAM	8	7	20.43	20.40	20.58	
3	64QAM	15	0	20.30	20.42	20.33	22
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.35	23.39	23.37	25
1.4	QPSK	1	3	23.36	23.29	23.16	
1.4	QPSK	1	5	23.42	23.25	23.19	
1.4	QPSK	3	0	23.13	23.24	23.00	
1.4	QPSK	3	1	23.02	23.03	23.01	24
1.4	QPSK	3	3	23.14	23.04	23.00	
1.4	QPSK	6	0	22.26	22.36	22.24	
1.4	16QAM	1	0	22.52	22.30	22.29	
1.4	16QAM	1	3	22.45	22.19	22.17	24
1.4	16QAM	1	5	22.44	22.28	22.29	
1.4	16QAM	3	0	22.22	22.17	22.41	
1.4	16QAM	3	1	22.28	22.32	22.25	
1.4	16QAM	3	3	22.32	22.13	22.16	23
1.4	16QAM	6	0	21.42	21.20	21.16	
1.4	64QAM	1	0	21.23	21.19	21.34	
1.4	64QAM	1	3	21.49	21.32	21.34	
1.4	64QAM	1	5	21.46	21.25	21.21	23
1.4	64QAM	3	0	21.28	21.30	21.22	
1.4	64QAM	3	1	21.32	21.52	21.22	
1.4	64QAM	3	3	21.34	21.38	21.31	
1.4	64QAM	6	0	20.33	20.45	20.26	22

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			25
Frequency (MHz)				782			
10	QPSK	1	0		23.04		25
10	QPSK	1	25		23.30		
10	QPSK	1	49		23.51		
10	QPSK	25	0		22.56		24
10	QPSK	25	12		22.88		
10	QPSK	25	25		23.06		
10	QPSK	50	0		22.76		24
10	16QAM	1	0		22.32		
10	16QAM	1	25		22.50		
10	16QAM	1	49		22.79		24
10	16QAM	25	0		21.58		
10	16QAM	25	12		21.90		
10	16QAM	25	25		21.75		23
10	16QAM	50	0		21.82		
10	64QAM	1	0		21.28		
10	64QAM	1	25		21.48		23
10	64QAM	1	49		21.70		
10	64QAM	25	0		20.70		
10	64QAM	25	12		20.60		22
10	64QAM	25	25		20.81		
10	64QAM	50	0		20.83		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.05	23.13	23.00	25
5	QPSK	1	12	23.08	23.05	23.05	
5	QPSK	1	24	23.06	23.08	23.03	
5	QPSK	12	0	22.03	22.14	22.07	24
5	QPSK	12	7	22.06	22.01	22.08	
5	QPSK	12	13	22.00	22.17	22.01	
5	QPSK	25	0	22.02	22.07	22.04	24
5	16QAM	1	0	22.33	22.37	22.20	
5	16QAM	1	12	22.28	22.22	22.18	
5	16QAM	1	24	22.26	22.29	22.28	24
5	16QAM	12	0	21.40	21.26	21.38	
5	16QAM	12	7	21.36	21.21	21.34	
5	16QAM	12	13	21.13	21.22	21.16	23
5	16QAM	25	0	22.20	22.28	22.13	
5	64QAM	1	0	21.48	21.45	21.16	
5	64QAM	1	12	21.24	21.09	21.05	23
5	64QAM	1	24	21.39	21.26	21.15	
5	64QAM	12	0	20.44	20.20	20.42	
5	64QAM	12	7	20.42	20.35	20.26	22
5	64QAM	12	13	20.14	20.11	20.16	
5	64QAM	25	0	21.24	21.48	21.24	

Band 14 (700MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23330			25
Frequency (MHz)				793			
10	QPSK	1	0		23.89		25
10	QPSK	1	25		23.68		
10	QPSK	1	49		23.70		
10	QPSK	25	0		22.87		24
10	QPSK	25	12		22.81		
10	QPSK	25	25		22.65		
10	QPSK	50	0		22.80		24
10	16QAM	1	0		22.92		
10	16QAM	1	25		22.87		
10	16QAM	1	49		22.88		23
10	16QAM	25	0		21.71		
10	16QAM	25	12		21.69		
10	16QAM	25	25		21.61		23
10	16QAM	50	0		21.70		
10	64QAM	1	0		21.94		
10	64QAM	1	25		21.82		23
10	64QAM	1	49		21.69		
10	64QAM	25	0		20.70		
10	64QAM	25	12		20.92		22
10	64QAM	25	25		20.76		
10	64QAM	50	0		20.66		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	23.70	23.71	23.67	25
5	QPSK	1	12	23.70	23.68	23.60	
5	QPSK	1	24	23.65	23.68	23.66	
5	QPSK	12	0	22.85	22.85	22.78	24
5	QPSK	12	7	22.85	22.85	22.73	
5	QPSK	12	13	22.72	22.73	22.67	
5	QPSK	25	0	22.83	22.82	22.68	24
5	16QAM	1	0	22.88	22.94	22.85	
5	16QAM	1	12	22.88	22.88	22.82	
5	16QAM	1	24	22.81	22.85	22.79	23
5	16QAM	12	0	21.67	21.69	21.58	
5	16QAM	12	7	21.61	21.63	21.55	
5	16QAM	12	13	21.55	21.56	21.55	23
5	16QAM	25	0	21.75	21.76	21.65	
5	64QAM	1	0	21.90	21.87	21.99	
5	64QAM	1	12	21.75	21.93	21.84	23
5	64QAM	1	24	21.87	21.95	21.74	
5	64QAM	12	0	20.68	20.73	20.74	
5	64QAM	12	7	20.91	21.01	20.93	22
5	64QAM	12	13	20.91	21.00	20.86	
5	64QAM	25	0	20.67	20.71	20.53	

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	23.12	23.20	23.18	25
10	QPSK	1	25	23.14	23.19	23.12	
10	QPSK	1	49	23.06	23.06	23.01	
10	QPSK	25	0	22.09	22.10	22.09	24
10	QPSK	25	12	22.01	22.12	22.00	
10	QPSK	25	25	22.09	22.10	22.04	
10	QPSK	50	0	22.07	22.11	22.04	24
10	16QAM	1	0	22.21	22.40	22.12	
10	16QAM	1	25	22.34	22.18	22.20	
10	16QAM	1	49	22.19	22.21	22.10	23
10	16QAM	25	0	21.30	21.23	21.19	
10	16QAM	25	12	21.12	21.23	21.13	
10	16QAM	25	25	21.16	21.17	21.32	23
10	16QAM	50	0	21.12	21.36	21.16	
10	64QAM	1	0	21.05	21.37	21.11	
10	64QAM	1	25	21.50	21.09	21.09	22
10	64QAM	1	49	21.04	21.20	21.12	
10	64QAM	25	0	20.39	20.22	20.17	
10	64QAM	25	12	20.00	20.31	20.09	22
10	64QAM	25	25	20.17	20.33	20.35	
10	64QAM	50	0	20.05	20.48	20.03	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.03	23.17	23.11	25
5	QPSK	1	12	23.11	23.15	23.09	
5	QPSK	1	24	23.03	23.03	23.03	
5	QPSK	12	0	22.06	22.07	22.06	24
5	QPSK	12	7	22.03	22.09	22.02	
5	QPSK	12	13	22.06	22.07	22.01	
5	QPSK	25	0	22.04	22.08	22.01	24
5	16QAM	1	0	22.18	22.37	22.09	
5	16QAM	1	12	22.31	22.15	22.17	
5	16QAM	1	24	22.16	22.18	22.07	23
5	16QAM	12	0	21.27	21.20	21.16	
5	16QAM	12	7	21.09	21.20	21.10	
5	16QAM	12	13	21.13	21.14	21.29	23
5	16QAM	25	0	21.09	21.33	21.13	
5	64QAM	1	0	21.02	21.34	21.08	
5	64QAM	1	12	21.47	21.06	21.06	22
5	64QAM	1	24	21.01	21.17	21.09	
5	64QAM	12	0	20.36	20.19	20.14	
5	64QAM	12	7	20.02	20.28	20.06	22
5	64QAM	12	13	20.14	20.30	20.32	
5	64QAM	25	0	20.02	20.45	20.00	

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	23.20	23.29	23.33	25	
20	QPSK	1	49	23.21	23.26	23.30		
20	QPSK	1	99	23.19	23.05	23.24		
20	QPSK	50	0	22.35	22.33	22.41		
20	QPSK	50	24	22.10	22.27	22.34	24	
20	QPSK	50	50	22.14	22.10	22.35		
20	QPSK	100	0	22.06	22.09	22.23		
20	16QAM	1	0	22.28	22.36	22.47		
20	16QAM	1	49	22.30	22.18	22.31	24	
20	16QAM	1	99	22.05	22.26	22.20		
20	16QAM	50	0	21.31	21.42	21.44		
20	16QAM	50	24	21.25	21.42	21.46		
20	16QAM	50	50	21.29	21.21	21.35	23	
20	16QAM	100	0	21.32	21.19	21.21		
20	64QAM	1	0	21.43	21.37	21.42		
20	64QAM	1	49	21.43	21.07	21.22		
20	64QAM	1	99	21.00	21.23	21.12	23	
20	64QAM	50	0	20.33	20.50	20.58		
20	64QAM	50	24	20.34	20.38	20.39		
20	64QAM	50	50	20.38	20.16	20.50		
20	64QAM	100	0	20.16	20.09	20.16	22	
Channel				26115	26365	26615		Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	0	23.11	23.20	23.30	25	
15	QPSK	1	37	23.13	23.15	23.18		
15	QPSK	1	74	23.15	23.05	23.13		
15	QPSK	36	0	22.24	22.22	22.30		
15	QPSK	36	20	22.06	22.19	22.31	24	
15	QPSK	36	39	22.06	22.05	22.23		
15	QPSK	75	0	22.04	22.02	22.20		
15	16QAM	1	0	22.16	22.33	22.36		
15	16QAM	1	37	22.20	22.09	22.27	24	
15	16QAM	1	74	22.00	22.15	22.13		
15	16QAM	36	0	21.27	21.28	21.29		
15	16QAM	36	20	21.18	21.39	21.39		
15	16QAM	36	39	21.27	21.14	21.25	23	
15	16QAM	75	0	21.17	21.09	21.19		
15	64QAM	1	0	21.50	21.38	21.34		
15	64QAM	1	37	21.31	21.02	21.20		
15	64QAM	1	74	21.02	21.14	21.09	23	
15	64QAM	36	0	20.25	20.39	20.52		
15	64QAM	36	20	20.31	20.31	20.24		
15	64QAM	36	39	20.26	20.20	20.52		
15	64QAM	75	0	20.13	20.00	20.19	22	
Channel				26090	26365	26640		Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	0	23.14	23.25	23.22	25	
10	QPSK	1	25	23.18	23.15	23.24		
10	QPSK	1	49	23.12	23.07	23.15		
10	QPSK	25	0	22.29	22.28	22.33		
10	QPSK	25	12	22.00	22.20	22.26	24	
10	QPSK	25	25	22.07	22.02	22.23		
10	QPSK	50	0	22.08	22.07	22.19		
10	16QAM	1	0	22.20	22.31	22.43		
10	16QAM	1	25	22.22	22.09	22.24	24	
10	16QAM	1	49	22.00	22.20	22.05		
10	16QAM	25	0	21.29	21.32	21.32		
10	16QAM	25	12	21.19	21.38	21.32		
10	16QAM	25	25	21.25	21.15	21.28	23	
10	16QAM	50	0	21.28	21.11	21.15		
10	64QAM	1	0	21.34	21.39	21.45		
10	64QAM	1	25	21.40	21.01	21.10		
10	64QAM	1	49	21.02	21.26	21.14	22	
10	64QAM	25	0	20.40	20.40	20.54		
10	64QAM	25	12	20.24	20.36	20.29		
10	64QAM	25	25	20.42	20.11	20.53		
10	64QAM	50	0	20.18	20.16	20.21	22	
Channel				26065	26365	26665		Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	0	23.16	23.19	23.30	25	
5	QPSK	1	12	23.14	23.19	23.23		
5	QPSK	1	24	23.11	23.08	23.15		
5	QPSK	12	0	22.28	22.28	22.32		
5	QPSK	12	7	22.06	22.21	22.25	24	
5	QPSK	12	13	22.07	22.07	22.23		
5	QPSK	25	0	22.06	22.06	22.18		
5	16QAM	1	0	22.20	22.29	22.43		
5	16QAM	1	12	22.26	22.13	22.29	24	
5	16QAM	1	24	22.02	22.16	22.06		
5	16QAM	12	0	21.20	21.32	21.37		
5	16QAM	12	7	21.16	21.38	21.41		
5	16QAM	12	13	21.20	21.17	21.30	23	
5	16QAM	25	0	21.18	21.15	21.14		
5	64QAM	1	0	21.33	21.36	21.36		
5	64QAM	1	12	21.50	21.03	21.25		
5	64QAM	1	24	21.06	21.12	21.00	23	
5	64QAM	12	0	20.29	20.51	20.46		
5	64QAM	12	7	20.38	20.40	20.46		
5	64QAM	12	13	20.44	20.03	20.53		
5	64QAM	25	0	20.17	20.16	20.14	22	
Channel				26055	26365	26675		Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5		
3	QPSK	1	0	23.09	23.19	23.30	25	
3	QPSK	1	8	23.09	23.20	23.21		
3	QPSK	1	14	23.11	23.07	23.21		
3	QPSK	8	0	22.24	22.27	22.29		

3	QPSK	8	4	22.05	22.22	22.26	24
3	QPSK	8	7	22.03	22.04	22.31	
3	QPSK	15	0	22.08	22.05	22.19	
3	16QAM	1	0	22.18	22.25	22.39	24
3	16QAM	1	8	22.22	22.03	22.21	
3	16QAM	1	14	22.07	22.23	22.16	
3	16QAM	8	0	21.27	21.31	21.29	23
3	16QAM	8	4	21.19	21.28	21.43	
3	16QAM	8	7	21.23	21.15	21.29	
3	16QAM	15	0	21.29	21.13	21.13	
3	64QAM	1	0	21.39	21.29	21.34	
3	64QAM	1	8	21.44	21.04	21.11	23
3	64QAM	1	14	21.07	21.24	21.00	
3	64QAM	8	0	20.37	20.49	20.52	
3	64QAM	8	4	20.22	20.34	20.37	22
3	64QAM	8	7	20.32	20.15	20.44	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	23.08	23.23	23.24	25
1.4	QPSK	1	3	23.18	23.23	23.20	
1.4	QPSK	1	5	23.10	23.00	23.16	
1.4	QPSK	3	0	23.08	23.03	23.11	
1.4	QPSK	3	1	23.01	23.18	23.03	
1.4	QPSK	3	3	23.04	23.00	23.09	
1.4	QPSK	6	0	22.04	22.02	22.12	
1.4	16QAM	1	0	22.16	22.31	22.43	23
1.4	16QAM	1	3	22.37	22.04	22.22	
1.4	16QAM	1	5	22.02	22.22	22.12	
1.4	16QAM	3	0	22.18	22.14	22.19	
1.4	16QAM	3	1	22.15	22.17	22.23	
1.4	16QAM	3	3	22.17	22.09	22.02	
1.4	16QAM	6	0	21.18	21.14	21.10	
1.4	64QAM	1	0	21.34	21.26	21.27	23
1.4	64QAM	1	3	21.48	21.03	21.28	
1.4	64QAM	1	5	21.00	21.26	21.08	
1.4	64QAM	3	0	21.06	21.31	21.28	
1.4	64QAM	3	1	21.08	21.12	21.18	
1.4	64QAM	3	3	21.22	21.01	21.26	
1.4	64QAM	6	0	20.08	20.02	20.08	

Band 26 for FCC (dBm) (only on channel required)								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				26765	26865	26965	Tune-up limit (dBm)	
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	23.28	23.09	23.23	25	
15	QPSK	1	37	23.21	23.15	23.16		
15	QPSK	1	74	23.18	23.03	23.21		
15	QPSK	36	0	22.21	22.16	22.20		
15	QPSK	36	20	22.20	22.05	22.04	24	
15	QPSK	36	39	22.17	22.11	22.07		
15	QPSK	75	0	22.21	22.12	22.14		
15	16QAM	1	0	22.30	22.07	22.10		
15	16QAM	1	37	22.12	22.07	22.04	24	
15	16QAM	1	74	22.24	22.04	22.12		
15	16QAM	36	0	21.43	21.38	21.27		
15	16QAM	36	20	21.28	21.37	21.40		
15	16QAM	36	39	21.46	21.14	21.22	23	
15	16QAM	75	0	21.29	21.11	21.42		
15	64QAM	1	0	21.03	21.26	21.06		
15	64QAM	1	37	21.19	21.27	21.11		
15	64QAM	1	74	21.38	21.38	21.20	23	
15	64QAM	36	0	20.37	20.57	20.42		
15	64QAM	36	20	20.25	20.21	20.33		
15	64QAM	36	39	20.17	20.61	20.17		
15	64QAM	75	0	20.11	20.22	20.54	22	
Channel				26740	26865	26990		
Frequency (MHz)				819	831.5	844	Tune-up limit (dBm)	
10	QPSK	1	0	23.03	23.12	23.27	25	
10	QPSK	1	25	23.17	23.20	23.21		
10	QPSK	1	49	23.23	23.05	23.26		
10	QPSK	25	0	22.17	22.21	22.18		
10	QPSK	25	12	22.23	22.10	22.03	24	
10	QPSK	25	25	22.14	22.15	22.09		
10	QPSK	50	0	22.23	22.08	22.14		
10	16QAM	1	0	22.31	22.06	22.07		
10	16QAM	1	25	22.17	22.08	22.07	24	
10	16QAM	1	49	22.17	22.08	22.17		
10	16QAM	25	0	21.43	21.34	21.27		
10	16QAM	25	12	21.21	21.39	21.43		
10	16QAM	25	25	21.48	21.19	21.24	23	
10	16QAM	50	0	21.27	21.13	21.43		
10	64QAM	1	0	21.07	21.33	21.10		
10	64QAM	1	25	21.16	21.36	21.13		
10	64QAM	1	49	21.51	21.51	21.14	23	
10	64QAM	25	0	20.43	20.60	20.37		
10	64QAM	25	12	20.23	20.26	20.33		
10	64QAM	25	25	20.13	20.58	20.31		
10	64QAM	50	0	20.20	20.31	20.66	22	
Channel				26715	26865	27015		
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)	
5	QPSK	1	0	23.20	23.07	23.21	25	
5	QPSK	1	12	23.23	23.18	23.14		
5	QPSK	1	24	23.21	23.01	23.25		
5	QPSK	12	0	22.26	22.14	22.23		
5	QPSK	12	7	22.22	22.08	22.01	24	
5	QPSK	12	13	22.17	22.14	22.08		
5	QPSK	25	0	22.19	22.17	22.15		
5	16QAM	1	0	22.30	22.06	22.13		
5	16QAM	1	12	22.18	22.03	22.01	24	
5	16QAM	1	24	22.29	22.01	22.08		
5	16QAM	12	0	21.38	21.35	21.21		
5	16QAM	12	7	21.28	21.34	21.39		
5	16QAM	12	13	21.50	21.17	21.25	23	
5	16QAM	25	0	21.32	21.13	21.48		
5	64QAM	1	0	21.15	21.27	21.17		
5	64QAM	1	12	21.23	21.25	21.23		
5	64QAM	1	24	21.35	21.43	21.21	23	
5	64QAM	12	0	20.40	20.65	20.57		
5	64QAM	12	7	20.37	20.29	20.43		
5	64QAM	12	13	20.34	20.48	20.25		
5	64QAM	25	0	20.26	20.29	20.66	22	
Channel				26705	26865	27025		
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)	
3	QPSK	1	0	23.18	23.04	23.11	25	
3	QPSK	1	8	23.24	23.13	23.13		
3	QPSK	1	14	23.18	23.07	23.20		
3	QPSK	8	0	22.23	22.13	22.21		
3	QPSK	8	4	22.19	22.08	22.03	24	
3	QPSK	8	7	22.14	22.10	22.03		
3	QPSK	15	0	22.23	22.13	22.19		
3	16QAM	1	0	22.29	22.12	22.08		
3	16QAM	1	8	22.19	22.02	22.04	24	
3	16QAM	1	14	22.23	22.08	22.09		
3	16QAM	8	0	21.38	21.34	21.26		
3	16QAM	8	4	21.29	21.39	21.44		
3	16QAM	8	7	21.48	21.14	21.21	23	
3	16QAM	15	0	21.22	21.07	21.45		
3	64QAM	1	0	21.12	21.24	21.12		
3	64QAM	1	8	21.14	21.42	21.15		
3	64QAM	1	14	21.53	21.52	21.17	23	
3	64QAM	8	0	20.44	20.50	20.38		
3	64QAM	8	4	20.21	20.16	20.41		
3	64QAM	8	7	20.26	20.59	20.22		
3	64QAM	15	0	20.05	20.27	20.47	22	
Channel				26697	26865	27033		
Frequency (MHz)				814.7	831.5	848.3	Tune-up limit (dBm)	
1.4	QPSK	1	0	23.12	23.11	23.26	25	
1.4	QPSK	1	3	23.26	23.17	23.12		
1.4	QPSK	1	5	23.22	23.01	23.25		
1.4	QPSK	3	0	23.02	23.05	23.06		



1.4	QPSK	3	1	23.09	23.01	23.05	24
1.4	QPSK	3	3	23.00	23.00	23.00	
1.4	QPSK	6	0	22.23	22.11	22.15	
1.4	16QAM	1	0	22.30	22.04	22.06	24
1.4	16QAM	1	3	22.11	22.02	22.04	
1.4	16QAM	1	5	22.30	22.03	22.15	
1.4	16QAM	3	0	22.32	22.29	22.11	
1.4	16QAM	3	1	22.17	22.28	22.31	
1.4	16QAM	3	3	22.26	22.02	22.04	
1.4	16QAM	6	0	21.34	21.13	21.36	23
1.4	64QAM	1	0	21.30	21.37	21.20	23
1.4	64QAM	1	3	21.18	21.26	21.25	
1.4	64QAM	1	5	21.31	21.36	21.17	
1.4	64QAM	3	0	21.28	21.22	21.27	
1.4	64QAM	3	1	21.07	21.16	21.15	
1.4	64QAM	3	3	21.01	21.49	21.09	



Band 41 FCC (2496~2690MHz) (dBm) for FCC

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.35	23.31	23.17	23.18	23.20	25
20	QPSK	1	49	23.24	23.19	23.12	23.06	23.12	
20	QPSK	1	99	23.30	23.15	23.14	23.05	23.28	
20	QPSK	50	0	22.31	22.16	22.26	22.10	22.04	
20	QPSK	50	24	22.17	22.11	22.21	22.01	22.03	24
20	QPSK	50	50	22.13	22.02	22.17	22.02	22.01	
20	QPSK	100	0	22.32	22.15	22.10	22.19	22.10	
20	16QAM	1	0	22.02	22.19	22.35	22.21	22.05	
20	16QAM	1	49	22.06	22.11	22.25	22.02	22.10	24
20	16QAM	1	99	22.09	22.04	22.29	22.17	22.05	
20	16QAM	50	0	21.28	21.35	21.23	21.16	21.21	
20	16QAM	50	24	21.11	21.18	21.11	21.03	21.23	
20	16QAM	50	50	21.05	21.05	21.02	21.07	21.05	23
20	16QAM	100	0	21.28	21.19	21.08	21.30	21.11	
20	64QAM	1	0	21.19	21.26	21.23	21.35	21.05	
20	64QAM	1	49	21.16	21.22	21.22	21.05	21.19	
20	64QAM	1	99	21.18	21.05	21.19	21.01	21.05	23
20	64QAM	50	0	20.32	20.46	20.19	20.08	20.05	
20	64QAM	50	24	20.11	20.25	20.26	20.07	20.39	
20	64QAM	50	50	20.07	20.08	20.09	20.18	20.10	
20	64QAM	100	0	20.22	20.26	20.18	20.46	20.11	22
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.30	23.20	23.14	23.15	23.12	25
15	QPSK	1	37	23.19	23.10	23.08	23.13	23.02	
15	QPSK	1	74	23.22	23.04	23.10	23.08	23.18	
15	QPSK	36	0	22.23	22.06	22.15	22.05	22.08	
15	QPSK	36	20	22.06	22.08	22.11	22.12	22.06	24
15	QPSK	36	39	22.07	22.04	22.13	22.06	22.08	
15	QPSK	75	0	22.20	22.09	22.03	22.10	22.13	
15	16QAM	1	0	22.03	22.22	22.24	22.20	22.12	
15	16QAM	1	37	22.11	22.12	22.16	22.03	22.07	24
15	16QAM	1	74	22.11	22.03	22.25	22.20	22.10	
15	16QAM	36	0	21.33	21.27	21.22	21.20	21.19	
15	16QAM	36	20	21.14	21.23	21.16	21.08	21.19	
15	16QAM	36	39	21.10	21.08	21.08	21.02	21.00	23
15	16QAM	75	0	21.17	21.11	21.02	21.33	21.10	
15	64QAM	1	0	21.20	21.21	21.26	21.38	21.10	
15	64QAM	1	37	21.13	21.27	21.18	21.11	21.25	
15	64QAM	1	74	21.14	21.07	21.18	21.13	21.11	23
15	64QAM	36	0	20.25	20.48	20.13	20.14	20.11	
15	64QAM	36	20	20.17	20.23	20.13	20.11	20.42	
15	64QAM	36	39	20.11	20.00	20.10	20.13	20.01	
15	64QAM	75	0	20.16	20.26	20.10	20.43	20.03	22
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.24	23.20	23.09	23.07	23.15	25
10	QPSK	1	25	23.19	23.16	23.01	23.10	23.07	
10	QPSK	1	49	23.22	23.05	23.09	23.06	23.23	
10	QPSK	25	0	22.28	22.08	22.15	22.07	22.01	
10	QPSK	25	12	22.07	22.05	22.10	22.08	22.00	24
10	QPSK	25	25	22.10	22.03	22.11	22.03	22.01	
10	QPSK	50	0	22.26	22.07	22.06	22.16	22.09	
10	16QAM	1	0	22.07	22.09	22.38	22.15	22.03	
10	16QAM	1	25	22.04	22.06	22.21	22.03	22.03	24
10	16QAM	1	49	22.15	22.05	22.22	22.16	22.07	
10	16QAM	25	0	21.28	21.22	21.12	21.16	21.21	
10	16QAM	25	12	21.03	21.15	21.06	21.08	21.19	
10	16QAM	25	25	21.04	21.07	21.00	21.13	21.09	23
10	16QAM	50	0	21.19	21.18	21.12	21.29	21.01	
10	64QAM	1	0	21.08	21.14	21.16	21.25	21.03	
10	64QAM	1	25	21.11	21.12	21.12	21.04	21.23	
10	64QAM	1	49	21.11	21.05	21.23	21.06	21.05	23
10	64QAM	25	0	20.37	20.33	20.14	20.01	20.00	
10	64QAM	25	12	20.09	20.20	20.13	20.12	20.40	
10	64QAM	25	25	20.08	20.08	20.06	20.20	20.09	
10	64QAM	50	0	20.13	20.24	20.19	20.47	20.06	22
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.32	23.23	23.06	23.06	23.09	25
5	QPSK	1	12	23.19	23.09	23.09	23.03	23.07	
5	QPSK	1	24	23.26	23.09	23.11	23.10	23.18	
5	QPSK	12	0	22.27	22.12	22.18	22.10	22.10	
5	QPSK	12	7	22.11	22.07	22.09	22.00	22.08	24
5	QPSK	12	13	22.08	22.09	22.06	22.03	22.06	
5	QPSK	25	0	22.29	22.07	22.01	22.10	22.07	
5	16QAM	1	0	22.02	22.22	22.38	22.09	22.13	
5	16QAM	1	12	22.05	22.12	22.13	22.08	22.11	24
5	16QAM	1	24	22.02	22.09	22.32	22.07	22.01	
5	16QAM	12	0	21.20	21.34	21.13	21.13	21.12	
5	16QAM	12	7	21.05	21.08	21.12	21.05	21.10	
5	16QAM	12	13	21.02	21.10	21.04	21.03	21.11	23
5	16QAM	25	0	21.31	21.19	21.07	21.27	21.00	
5	64QAM	1	0	21.25	21.16	21.12	21.33	21.03	
5	64QAM	1	12	21.03	21.17	21.18	21.05	21.14	
5	64QAM	1	24	21.18	21.08	21.06	21.07	21.07	23
5	64QAM	12	0	20.29	20.40	20.12	20.01	20.07	
5	64QAM	12	7	20.09	20.15	20.13	20.06	20.26	
5	64QAM	12	13	20.09	20.11	20.04	20.21	20.01	
5	64QAM	25	0	20.11	20.19	20.18	20.46	20.03	22

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.57	23.70	23.55	25
20	QPSK	1	49	23.60	23.69	23.50	
20	QPSK	1	99	23.50	23.62	23.51	
20	QPSK	50	0	22.51	22.67	22.54	
20	QPSK	50	24	22.42	22.46	22.38	24
20	QPSK	50	50	22.21	22.36	22.18	
20	QPSK	100	0	22.58	22.61	22.60	
20	16QAM	1	0	22.65	22.74	22.70	
20	16QAM	1	49	22.62	22.67	22.51	24
20	16QAM	1	99	22.54	22.53	22.48	
20	16QAM	50	0	21.51	21.58	21.60	
20	16QAM	50	24	21.54	21.53	21.71	
20	16QAM	50	50	21.49	21.60	21.54	23
20	16QAM	100	0	21.52	21.62	21.78	
20	64QAM	1	0	21.62	21.61	21.59	
20	64QAM	1	49	21.55	21.53	21.49	
20	64QAM	1	99	21.57	21.50	21.47	23
20	64QAM	50	0	20.54	20.58	20.63	
20	64QAM	50	24	20.53	20.52	20.71	
20	64QAM	50	50	20.61	20.63	20.58	
20	64QAM	100	0	20.51	20.61	20.48	22
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)
15	QPSK	1	0	23.50	23.61	23.46	25
15	QPSK	1	37	23.54	23.65	23.42	
15	QPSK	1	74	23.44	23.51	23.47	
15	QPSK	36	0	22.45	22.41	22.48	
15	QPSK	36	20	22.32	22.40	22.31	24
15	QPSK	36	39	22.11	22.27	22.14	
15	QPSK	75	0	22.54	22.49	22.55	
15	16QAM	1	0	22.58	22.66	22.63	
15	16QAM	1	37	22.59	22.54	22.41	24
15	16QAM	1	74	22.44	22.48	22.46	
15	16QAM	36	0	21.47	21.46	21.52	
15	16QAM	36	20	21.45	21.39	21.63	
15	16QAM	36	39	21.46	21.45	21.41	23
15	16QAM	75	0	21.50	21.60	21.71	
15	64QAM	1	0	21.60	21.56	21.47	
15	64QAM	1	37	21.40	21.51	21.42	
15	64QAM	1	74	21.51	21.47	21.49	23
15	64QAM	36	0	20.44	20.57	20.62	
15	64QAM	36	20	20.56	20.42	20.63	
15	64QAM	36	39	20.63	20.48	20.51	
15	64QAM	75	0	20.42	20.60	20.43	22
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	Tune-up limit (dBm)
10	QPSK	1	0	23.49	23.60	23.52	25
10	QPSK	1	25	23.54	23.61	23.38	
10	QPSK	1	49	23.43	23.50	23.43	
10	QPSK	25	0	22.47	22.52	22.46	
10	QPSK	25	12	22.33	22.37	22.30	24
10	QPSK	25	25	22.16	22.24	22.07	
10	QPSK	50	0	22.53	22.58	22.48	
10	16QAM	1	0	22.55	22.70	22.64	
10	16QAM	1	25	22.69	22.56	22.47	24
10	16QAM	1	49	22.39	22.41	22.41	
10	16QAM	25	0	21.43	21.52	21.48	
10	16QAM	25	12	21.44	21.44	21.62	
10	16QAM	25	25	21.42	21.54	21.44	23
10	16QAM	50	0	21.48	21.57	21.71	
10	64QAM	1	0	21.69	21.59	21.46	
10	64QAM	1	25	21.57	21.42	21.51	
10	64QAM	1	49	21.63	21.50	21.37	23
10	64QAM	25	0	20.53	20.52	20.60	
10	64QAM	25	12	20.59	20.52	20.70	
10	64QAM	25	25	20.48	20.61	20.54	
10	64QAM	50	0	20.36	20.64	20.51	22
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)
5	QPSK	1	0	23.46	23.61	23.51	25
5	QPSK	1	12	23.52	23.62	23.40	
5	QPSK	1	24	23.40	23.54	23.44	
5	QPSK	12	0	22.43	22.57	22.43	
5	QPSK	12	7	22.30	22.34	22.33	24
5	QPSK	12	13	22.18	22.27	22.11	
5	QPSK	25	0	22.46	22.50	22.50	
5	16QAM	1	0	22.56	22.69	22.59	
5	16QAM	1	12	22.52	22.54	22.49	24
5	16QAM	1	24	22.50	22.50	22.40	
5	16QAM	12	0	21.45	21.55	21.52	
5	16QAM	12	7	21.47	21.45	21.63	
5	16QAM	12	13	21.34	21.47	21.39	23
5	16QAM	25	0	21.42	21.49	21.66	
5	64QAM	1	0	21.68	21.50	21.64	
5	64QAM	1	12	21.58	21.59	21.38	
5	64QAM	1	24	21.47	21.44	21.48	23
5	64QAM	12	0	20.57	20.64	20.55	
5	64QAM	12	7	20.39	20.57	20.69	
5	64QAM	12	13	20.55	20.69	20.65	
5	64QAM	25	0	20.37	20.59	20.55	22
Channel				131987	132322	132657	
Frequency (MHz)				1711.5	1745	1778.5	Tune-up limit (dBm)
3	QPSK	1	0	23.50	23.60	23.51	25
3	QPSK	1	8	23.49	23.66	23.42	
3	QPSK	1	14	23.46	23.52	23.47	
3	QPSK	8	0	22.41	22.51	22.51	

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up lim (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	23.06	23.19	23.11	25
20	QPSK	1	49	23.08	23.11	23.03	
20	QPSK	1	99	23.02	23.13	23.12	
20	QPSK	50	0	22.09	22.19	22.10	
20	QPSK	50	24	22.03	22.04	22.04	24
20	QPSK	50	50	22.10	22.07	22.11	
20	QPSK	100	0	22.03	22.07	22.01	
20	16QAM	1	0	22.19	22.38	22.17	
20	16QAM	1	49	22.15	22.07	22.17	24
20	16QAM	1	99	22.08	22.08	22.23	
20	16QAM	50	0	21.26	21.22	21.14	
20	16QAM	50	24	21.19	21.25	21.01	
20	16QAM	50	50	21.29	21.17	21.00	23
20	16QAM	100	0	21.30	21.08	21.02	
20	64QAM	1	0	21.35	21.51	21.08	
20	64QAM	1	49	21.23	21.37	21.19	
20	64QAM	1	99	21.05	21.13	21.20	23
20	64QAM	50	0	20.31	20.21	20.00	
20	64QAM	50	24	20.37	20.44	20.00	
20	64QAM	50	50	20.35	20.26	20.02	
20	64QAM	100	0	20.31	20.08	20.14	22
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	23.01	23.16	23.05	
15	QPSK	1	37	23.03	23.03	23.00	
15	QPSK	1	74	23.12	23.06	23.00	
15	QPSK	36	0	22.00	22.15	22.03	
15	QPSK	36	20	21.96	22.01	22.00	24
15	QPSK	36	39	22.06	21.97	22.02	
15	QPSK	75	0	21.97	22.04	21.91	
15	16QAM	1	0	22.15	22.29	22.11	
15	16QAM	1	37	22.21	22.05	22.09	24
15	16QAM	1	74	22.04	21.98	22.09	
15	16QAM	36	0	21.14	21.08	21.01	
15	16QAM	36	20	21.15	21.19	20.97	
15	16QAM	36	39	21.14	21.03	20.95	23
15	16QAM	75	0	21.25	20.96	20.98	
15	64QAM	1	0	21.32	21.38	21.16	
15	64QAM	1	37	21.25	21.24	21.26	
15	64QAM	1	74	21.11	21.14	21.13	23
15	64QAM	36	0	20.30	20.11	20.11	
15	64QAM	36	20	20.36	20.51	20.06	
15	64QAM	36	39	20.32	20.18	19.96	
15	64QAM	75	0	20.16	20.14	20.21	22
Channel				133172	133272	133422	
Frequency (MHz)				668	678	693	
10	QPSK	1	0	23.17	23.14	23.07	
10	QPSK	1	25	23.03	23.05	23.12	
10	QPSK	1	49	23.15	23.03	23.09	
10	QPSK	25	0	22.00	22.09	22.02	
10	QPSK	25	12	21.96	21.96	21.96	24
10	QPSK	25	25	22.04	21.97	22.08	
10	QPSK	50	0	21.96	21.95	21.89	
10	16QAM	1	0	22.09	22.26	22.14	
10	16QAM	1	25	22.07	21.96	22.10	24
10	16QAM	1	49	22.01	22.05	22.21	
10	16QAM	25	0	21.20	21.16	21.08	
10	16QAM	25	12	21.16	21.12	20.92	
10	16QAM	25	25	21.14	21.14	20.91	23
10	16QAM	50	0	21.27	20.99	21.00	
10	64QAM	1	0	21.21	21.44	21.13	
10	64QAM	1	25	21.12	21.24	21.23	
10	64QAM	1	49	21.15	21.14	21.12	23
10	64QAM	25	0	20.32	20.12	20.16	
10	64QAM	25	12	20.29	20.48	20.03	
10	64QAM	25	25	20.23	20.19	19.92	
10	64QAM	50	0	20.29	20.06	20.06	22
Channel				133147	133247	133447	
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	23.03	23.09	23.08	
5	QPSK	1	12	23.01	23.03	23.07	
5	QPSK	1	24	23.08	23.06	23.09	
5	QPSK	12	0	21.98	22.14	22.00	
5	QPSK	12	7	21.96	21.94	21.96	24
5	QPSK	12	13	22.01	21.99	22.05	
5	QPSK	25	0	21.99	21.95	21.90	
5	16QAM	1	0	22.07	22.33	22.09	
5	16QAM	1	12	22.06	21.94	22.14	24
5	16QAM	1	24	22.04	21.95	22.14	
5	16QAM	12	0	21.14	21.16	21.10	
5	16QAM	12	7	21.17	21.19	20.97	
5	16QAM	12	13	21.24	21.02	20.96	23
5	16QAM	25	0	21.20	21.03	20.97	
5	64QAM	1	0	21.38	21.53	21.02	
5	64QAM	1	12	21.25	21.43	21.11	
5	64QAM	1	24	21.04	21.19	21.21	23
5	64QAM	12	0	20.35	20.16	20.03	
5	64QAM	12	7	20.36	20.47	20.00	
5	64QAM	12	13	20.38	20.18	19.87	
5	64QAM	25	0	20.38	20.11	20.08	22

3	QPSK	8	4	22.39	22.34	22.29	24
3	QPSK	8	7	22.09	22.27	22.12	
3	QPSK	15	0	22.55	22.56	22.51	
3	16QAM	1	0	22.56	22.67	22.59	24
3	16QAM	1	8	22.56	22.58	22.44	
3	16QAM	1	14	22.44	22.39	22.41	
3	16QAM	8	0	21.37	21.45	21.45	23
3	16QAM	8	4	21.44	21.38	21.68	
3	16QAM	8	7	21.39	21.51	21.42	
3	16QAM	15	0	21.44	21.59	21.70	
3	64QAM	1	0	21.60	21.56	21.48	
3	64QAM	1	8	21.51	21.49	21.44	23
3	64QAM	1	14	21.48	21.48	21.46	
3	64QAM	8	0	20.52	20.52	20.63	
3	64QAM	8	4	20.60	20.53	20.69	22
3	64QAM	8	7	20.66	20.68	20.60	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.54	23.60	23.51	25
1.4	QPSK	1	3	23.52	23.61	23.41	
1.4	QPSK	1	5	23.40	23.52	23.41	
1.4	QPSK	3	0	23.37	23.51	23.37	
1.4	QPSK	3	1	23.26	23.29	23.30	
1.4	QPSK	3	3	23.06	23.28	23.08	
1.4	QPSK	6	0	22.53	22.56	22.58	
1.4	16QAM	1	0	22.61	22.63	22.61	24
1.4	16QAM	1	3	22.67	22.52	22.38	
1.4	16QAM	1	5	22.40	22.45	22.44	
1.4	16QAM	3	0	22.38	22.41	22.47	
1.4	16QAM	3	1	22.34	22.42	22.61	
1.4	16QAM	3	3	22.39	22.44	22.46	
1.4	16QAM	6	0	21.42	21.50	21.66	23
1.4	64QAM	1	0	21.55	21.63	21.44	23
1.4	64QAM	1	3	21.56	21.43	21.36	
1.4	64QAM	1	5	21.51	21.55	21.39	
1.4	64QAM	3	0	21.42	21.38	21.46	
1.4	64QAM	3	1	21.55	21.49	21.55	
1.4	64QAM	3	3	21.50	21.51	21.49	
1.4	64QAM	6	0	20.41	20.62	20.45	22