



REPORT No.: SZ25080298S01

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	23.68	23.76	23.58	25
20	QPSK	1	49	23.64	23.68	23.52	
20	QPSK	1	99	23.61	23.65	23.49	
20	QPSK	50	0	22.56	22.60	22.51	24
20	QPSK	50	24	22.51	22.49	22.41	
20	QPSK	50	50	22.48	22.58	22.51	
20	QPSK	100	0	22.48	22.59	22.50	24
20	16QAM	1	0	22.51	22.69	22.35	
20	16QAM	1	49	22.57	22.67	22.49	
20	16QAM	1	99	22.54	22.62	22.46	23
20	16QAM	50	0	21.49	21.43	21.48	
20	16QAM	50	24	21.45	21.38	21.36	
20	16QAM	50	50	21.38	21.42	21.44	23
20	16QAM	100	0	21.26	21.33	21.30	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.66	23.67	23.45	25
15	QPSK	1	37	23.62	23.58	23.39	
15	QPSK	1	74	23.52	23.57	23.38	
15	QPSK	36	0	22.53	22.55	22.45	24
15	QPSK	36	20	22.42	22.44	22.33	
15	QPSK	36	39	22.34	22.44	22.43	
15	QPSK	75	0	22.34	22.56	22.46	24
15	16QAM	1	0	22.49	22.63	22.40	
15	16QAM	1	37	22.44	22.56	22.44	
15	16QAM	1	74	22.44	22.53	22.47	23
15	16QAM	36	0	21.47	21.34	21.50	
15	16QAM	36	20	21.46	21.45	21.41	
15	16QAM	36	39	21.29	21.34	21.31	23
15	16QAM	75	0	21.17	21.32	21.34	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.61	23.66	23.50	25
10	QPSK	1	25	23.53	23.62	23.48	
10	QPSK	1	49	23.48	23.55	23.44	
10	QPSK	25	0	22.45	22.46	22.42	24
10	QPSK	25	12	22.48	22.47	22.33	
10	QPSK	25	25	22.42	22.46	22.46	
10	QPSK	50	0	22.40	22.55	22.35	24
10	16QAM	1	0	22.38	22.54	22.46	
10	16QAM	1	25	22.47	22.58	22.42	
10	16QAM	1	49	22.41	22.58	22.52	23
10	16QAM	25	0	21.45	21.39	21.37	
10	16QAM	25	12	21.39	21.28	21.33	
10	16QAM	25	25	21.34	21.39	21.34	23
10	16QAM	50	0	21.27	21.24	21.35	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.57	23.70	23.49	25
5	QPSK	1	12	23.56	23.56	23.38	
5	QPSK	1	24	23.47	23.58	23.41	
5	QPSK	12	0	22.46	22.53	22.40	24
5	QPSK	12	7	22.36	22.35	22.31	
5	QPSK	12	13	22.45	22.55	22.45	
5	QPSK	25	0	22.42	22.48	22.40	24
5	16QAM	1	0	22.40	22.61	22.47	
5	16QAM	1	12	22.51	22.52	22.38	
5	16QAM	1	24	22.40	22.50	22.43	23
5	16QAM	12	0	21.42	21.34	21.48	
5	16QAM	12	7	21.51	21.35	21.24	
5	16QAM	12	13	21.28	21.27	21.36	23
5	16QAM	25	0	21.25	21.32	21.29	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.61	23.62	23.55	25
3	QPSK	1	8	23.62	23.61	23.40	
3	QPSK	1	14	23.47	23.62	23.40	
3	QPSK	8	0	22.44	22.47	22.47	24
3	QPSK	8	4	22.44	22.46	22.27	
3	QPSK	8	7	22.38	22.46	22.38	
3	QPSK	15	0	22.44	22.47	22.42	24
3	16QAM	1	0	22.41	22.56	22.51	
3	16QAM	1	8	22.50	22.57	22.34	
3	16QAM	1	14	22.46	22.50	22.46	23
3	16QAM	8	0	21.45	21.30	21.51	
3	16QAM	8	4	21.30	21.29	21.22	
3	16QAM	8	7	21.44	21.44	21.46	23
3	16QAM	15	0	21.11	21.22	21.26	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.54	23.71	23.43	25
1.4	QPSK	1	3	23.51	23.53	23.44	
1.4	QPSK	1	5	23.57	23.51	23.42	
1.4	QPSK	3	0	23.33	23.47	23.38	24
1.4	QPSK	3	1	23.28	23.26	23.23	
1.4	QPSK	3	3	23.34	23.33	23.34	
1.4	QPSK	6	0	22.43	22.51	22.44	24
1.4	16QAM	1	0	22.46	22.57	22.41	
1.4	16QAM	1	3	22.46	22.59	22.47	
1.4	16QAM	1	5	22.51	22.53	22.41	24
1.4	16QAM	3	0	22.46	22.32	22.26	
1.4	16QAM	3	1	22.37	22.25	22.22	
1.4	16QAM	3	3	22.17	22.29	22.30	23
1.4	16QAM	6	0	21.25	21.26	21.18	

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	23.39	23.34	23.37	25
20	QPSK	1	49	23.24	23.25	23.18	
20	QPSK	1	99	23.20	23.18	23.21	
20	QPSK	50	0	22.48	22.29	22.30	24
20	QPSK	50	24	22.32	22.20	22.23	
20	QPSK	50	50	22.31	22.18	22.29	
20	QPSK	100	0	22.34	22.24	22.32	24
20	16QAM	1	0	22.47	22.41	22.40	
20	16QAM	1	49	22.41	22.10	22.18	
20	16QAM	1	99	22.38	22.08	22.17	24
20	16QAM	50	0	21.46	21.41	21.39	
20	16QAM	50	24	21.44	21.31	21.30	
20	16QAM	50	50	21.36	21.27	21.28	23
20	16QAM	100	0	21.40	21.49	21.28	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.28	23.25	23.28	25
15	QPSK	1	37	23.16	23.17	23.13	
15	QPSK	1	74	23.18	23.06	23.18	
15	QPSK	36	0	22.41	22.20	22.27	24
15	QPSK	36	20	22.30	22.14	22.19	
15	QPSK	36	39	22.29	22.16	22.23	
15	QPSK	75	0	22.29	22.22	22.23	24
15	16QAM	1	0	22.43	22.38	22.34	
15	16QAM	1	37	22.39	22.07	22.10	
15	16QAM	1	74	22.26	22.01	22.13	24
15	16QAM	36	0	21.43	21.27	21.28	
15	16QAM	36	20	21.40	21.32	21.19	
15	16QAM	36	39	21.26	21.17	21.21	23
15	16QAM	75	0	21.34	21.39	21.26	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.33	23.32	23.31	25
10	QPSK	1	25	23.12	23.22	23.16	
10	QPSK	1	49	23.10	23.07	23.15	
10	QPSK	25	0	22.41	22.19	22.23	24
10	QPSK	25	12	22.24	22.16	22.13	
10	QPSK	25	25	22.22	22.04	22.27	
10	QPSK	50	0	22.22	22.12	22.27	24
10	16QAM	1	0	22.41	22.30	22.36	
10	16QAM	1	25	22.38	22.00	22.04	
10	16QAM	1	49	22.31	22.03	22.07	24
10	16QAM	25	0	21.53	21.46	21.35	
10	16QAM	25	12	21.43	21.28	21.30	
10	16QAM	25	25	21.33	21.31	21.25	23
10	16QAM	50	0	21.41	21.50	21.26	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.29	23.22	23.25	25
5	QPSK	1	12	23.16	23.15	23.14	
5	QPSK	1	24	23.11	23.04	23.10	
5	QPSK	12	0	22.42	22.25	22.19	24
5	QPSK	12	7	22.22	22.05	22.13	
5	QPSK	12	13	22.27	22.15	22.25	
5	QPSK	25	0	22.25	22.10	22.20	24
5	16QAM	1	0	22.40	22.33	22.31	
5	16QAM	1	12	22.27	22.00	22.13	
5	16QAM	1	24	22.14	22.01	22.09	24
5	16QAM	12	0	21.45	21.44	21.41	
5	16QAM	12	7	21.29	21.36	21.30	
5	16QAM	12	13	21.29	21.34	21.19	23
5	16QAM	25	0	21.37	21.51	21.35	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.27	23.22	23.11	25
3	QPSK	1	8	23.15	23.12	23.15	
3	QPSK	1	14	23.13	23.16	23.15	
3	QPSK	8	0	22.36	22.15	22.28	24
3	QPSK	8	4	22.27	22.13	22.09	
3	QPSK	8	7	22.28	22.11	22.19	
3	QPSK	15	0	22.19	22.21	22.17	24
3	16QAM	1	0	22.43	22.36	22.28	
3	16QAM	1	8	22.26	22.01	22.11	
3	16QAM	1	14	22.25	22.30	22.04	24
3	16QAM	8	0	21.38	21.29	21.26	
3	16QAM	8	4	21.33	21.28	21.28	
3	16QAM	8	7	21.43	21.21	21.26	23
3	16QAM	15	0	21.33	21.47	21.21	
Channel				19967	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.37	23.25	23.31	25
1.4	QPSK	1	3	23.18	23.15	23.04	
1.4	QPSK	1	5	23.13	23.11	23.16	
1.4	QPSK	3	0	23.26	23.13	23.09	
1.4	QPSK	3	1	23.20	23.00	23.03	
1.4	QPSK	3	3	23.08	23.00	23.13	
1.4	QPSK	6	0	22.19	22.21	22.30	24
1.4	16QAM	1	0	22.45	22.31	22.37	
1.4	16QAM	1	3	22.28	22.07	22.10	24
1.4	16QAM	1	5	22.31	22.33	22.05	
1.4	16QAM	3	0	22.28	22.35	22.17	
1.4	16QAM	3	1	22.19	22.12	22.23	
1.4	16QAM	3	3	22.18	22.22	22.21	
1.4	16QAM	6	0	21.29	21.55	21.27	

Band 5 (Cellular Band) (dBm) Part 22H(only on channel required)							
RF [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	23.10	23.34	23.28	25
10	QPSK	1	25	23.21	23.17	23.20	
10	QPSK	1	49	23.18	23.24	23.16	
10	QPSK	25	0	22.24	22.30	22.20	
10	QPSK	25	12	22.17	22.10	22.19	24
10	QPSK	25	25	22.16	22.25	22.21	
10	QPSK	50	0	22.24	22.26	22.18	
10	16QAM	1	0	22.34	22.41	22.17	
10	16QAM	1	25	22.21	22.32	22.16	24
10	16QAM	1	49	22.30	22.11	22.19	
10	16QAM	25	0	21.39	21.46	21.36	
10	16QAM	25	12	21.27	21.32	21.21	
10	16QAM	25	25	21.34	21.30	21.35	23
10	16QAM	50	0	21.19	21.36	21.28	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	23.00	23.26	23.24	25
5	QPSK	1	12	23.15	23.06	23.11	
5	QPSK	1	24	23.08	23.19	23.01	
5	QPSK	12	0	22.11	22.27	22.09	
5	QPSK	12	7	22.04	22.02	22.07	24
5	QPSK	12	13	22.08	22.23	22.06	
5	QPSK	25	0	22.10	22.11	22.14	
5	16QAM	1	0	22.22	22.27	22.14	
5	16QAM	1	12	22.16	22.19	22.13	24
5	16QAM	1	24	22.21	22.08	22.13	
5	16QAM	12	0	21.24	21.40	21.21	
5	16QAM	12	7	21.31	21.21	21.08	
5	16QAM	12	13	21.36	21.17	21.28	23
5	16QAM	25	0	21.06	21.27	21.33	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	847.5	
3	QPSK	1	0	23.04	23.29	23.18	25
3	QPSK	1	8	23.19	23.15	23.17	
3	QPSK	1	14	23.16	23.10	23.05	
3	QPSK	8	0	22.11	22.23	22.17	
3	QPSK	8	4	22.15	22.08	22.06	24
3	QPSK	8	7	22.10	22.23	22.09	
3	QPSK	15	0	22.15	22.14	22.05	
3	16QAM	1	0	22.21	22.32	22.03	
3	16QAM	1	8	22.08	22.24	22.02	24
3	16QAM	1	14	22.15	22.00	22.14	
3	16QAM	8	0	21.40	21.50	21.31	
3	16QAM	8	4	21.28	21.22	21.20	
3	16QAM	8	7	21.23	21.23	21.20	23
3	16QAM	15	0	21.05	21.28	21.20	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.07	23.23	23.19	25
1.4	QPSK	1	3	23.17	23.10	23.17	
1.4	QPSK	1	5	23.13	23.22	23.11	
1.4	QPSK	3	0	23.09	23.07	23.03	
1.4	QPSK	3	1	23.00	23.00	23.01	24
1.4	QPSK	3	3	23.01	23.08	23.08	
1.4	QPSK	6	0	22.19	22.13	22.13	
1.4	16QAM	1	0	22.19	22.28	22.12	
1.4	16QAM	1	3	22.19	22.25	22.11	24
1.4	16QAM	1	5	22.23	22.06	22.11	
1.4	16QAM	3	0	22.17	22.30	22.24	
1.4	16QAM	3	1	22.08	22.07	22.02	
1.4	16QAM	3	3	22.11	22.10	22.11	23
1.4	16QAM	6	0	21.26	21.41	21.31	

Band 7 (2600MHz Band) (dBm) Part 27							
RF [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.35	23.24	23.01	25
20	QPSK	1	49	23.32	23.21	23.09	
20	QPSK	1	99	23.30	23.17	23.02	
20	QPSK	50	0	22.26	22.14	22.10	
20	QPSK	50	24	22.17	22.09	22.02	24
20	QPSK	50	50	22.14	22.10	22.07	
20	QPSK	100	0	22.06	22.16	22.10	
20	16QAM	1	0	22.34	22.37	22.01	
20	16QAM	1	49	22.24	22.05	22.02	24
20	16QAM	1	99	22.13	22.19	22.17	
20	16QAM	50	0	21.31	21.28	21.17	
20	16QAM	50	24	21.25	21.12	21.18	
20	16QAM	50	50	21.15	21.06	21.11	23
20	16QAM	100	0	21.33	21.31	21.24	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	23.29	23.15	23.06	25
15	QPSK	1	37	23.22	23.07	23.04	
15	QPSK	1	74	23.19	23.04	23.06	
15	QPSK	36	0	22.18	22.02	22.00	
15	QPSK	36	20	22.15	22.09	22.09	24
15	QPSK	36	39	22.10	22.05	22.03	
15	QPSK	75	0	22.00	22.11	22.04	
15	16QAM	1	0	22.28	22.09	22.00	
15	16QAM	1	37	22.17	22.08	22.01	24
15	16QAM	1	74	22.01	22.13	22.07	
15	16QAM	36	0	21.25	21.11	21.07	
15	16QAM	36	20	21.16	21.01	21.06	
15	16QAM	36	39	21.01	21.06	21.12	23
15	16QAM	75	0	21.25	21.21	21.09	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2506	2535	2565	
10	QPSK	1	0	23.20	23.16	23.01	25
10	QPSK	1	25	23.17	23.11	23.06	
10	QPSK	1	49	23.07	23.08	23.00	
10	QPSK	25	0	22.11	22.02	22.07	
10	QPSK	25	12	22.10	22.07	22.06	24
10	QPSK	25	25	22.01	22.09	22.08	
10	QPSK	50	0	22.04	22.13	22.01	
10	16QAM	1	0	22.20	22.03	22.00	
10	16QAM	1	25	22.15	22.03	22.09	24
10	16QAM	1	49	22.08	22.08	22.06	
10	16QAM	25	0	21.33	21.13	21.10	
10	16QAM	25	12	21.24	21.00	21.22	
10	16QAM	25	25	21.04	21.10	21.12	23
10	16QAM	50	0	21.24	21.20	21.22	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	23.26	23.12	23.06	25
5	QPSK	1	12	23.18	23.14	23.08	
5	QPSK	1	24	23.24	23.13	23.00	
5	QPSK	12	0	22.17	22.08	22.04	
5	QPSK	12	7	22.09	22.35	22.05	24
5	QPSK	12	13	22.02	22.01	22.02	
5	QPSK	25	0	22.02	22.14	22.03	
5	16QAM	1	0	22.23	22.01	22.06	
5	16QAM	1	12	22.09	22.03	22.05	24
5	16QAM	1	24	22.05	22.06	22.04	
5	16QAM	12	0	21.25	21.22	21.14	
5	16QAM	12	7	21.24	21.00	21.06	
5	16QAM	12	13	21.08	21.00	21.06	23
5	16QAM	25	0	21.33	21.16	21.28	



Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.37	23.32	23.16	25
10	QPSK	1	25	23.32	23.21	23.14	
10	QPSK	1	49	23.30	23.22	23.09	
10	QPSK	25	0	22.29	22.28	22.12	
10	QPSK	25	12	22.22	22.17	22.06	24
10	QPSK	25	25	22.25	22.18	22.15	
10	QPSK	50	0	22.23	22.22	22.19	
10	16QAM	1	0	22.46	22.30	22.27	
10	16QAM	1	25	22.27	22.12	22.10	24
10	16QAM	1	49	22.34	22.23	22.20	
10	16QAM	25	0	21.44	21.25	21.37	
10	16QAM	25	12	21.42	21.36	21.31	
10	16QAM	25	25	21.34	21.30	21.28	23
10	16QAM	50	0	21.17	21.16	21.12	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.25	23.26	23.12	25
5	QPSK	1	12	23.27	23.10	23.01	
5	QPSK	1	24	23.26	23.09	23.03	
5	QPSK	12	0	22.20	22.26	22.03	
5	QPSK	12	7	22.08	22.03	22.01	24
5	QPSK	12	13	22.16	22.09	22.07	
5	QPSK	25	0	22.08	22.16	22.07	
5	16QAM	1	0	22.37	22.15	22.14	
5	16QAM	1	12	22.17	22.10	22.05	24
5	16QAM	1	24	22.24	22.13	22.13	
5	16QAM	12	0	21.33	21.20	21.40	
5	16QAM	12	7	21.33	21.40	21.28	
5	16QAM	12	13	21.34	21.23	21.21	23
5	16QAM	25	0	21.21	21.10	21.05	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.35	23.28	23.06	25
3	QPSK	1	8	23.16	23.14	23.09	
3	QPSK	1	14	23.16	23.08	23.01	
3	QPSK	8	0	22.23	22.25	22.12	
3	QPSK	8	4	22.08	22.05	22.05	24
3	QPSK	8	7	22.17	22.08	22.00	
3	QPSK	15	0	22.16	22.09	22.17	
3	16QAM	1	0	22.43	22.19	22.17	
3	16QAM	1	8	22.18	22.05	22.05	24
3	16QAM	1	14	22.32	22.14	22.13	
3	16QAM	8	0	21.39	21.26	21.39	
3	16QAM	8	4	21.31	21.37	21.18	
3	16QAM	8	7	21.19	21.27	21.34	23
3	16QAM	15	0	21.13	21.14	21.00	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.27	23.17	23.10	25
1.4	QPSK	1	3	23.16	23.12	23.02	
1.4	QPSK	1	5	23.24	23.18	23.00	
1.4	QPSK	3	0	23.10	23.19	23.01	
1.4	QPSK	3	1	23.05	23.08	23.00	24
1.4	QPSK	3	3	23.21	23.11	23.11	
1.4	QPSK	6	0	22.21	22.17	22.15	
1.4	16QAM	1	0	22.32	22.25	22.23	
1.4	16QAM	1	3	22.22	22.03	22.00	24
1.4	16QAM	1	5	22.21	22.20	22.15	
1.4	16QAM	3	0	22.40	22.14	22.35	
1.4	16QAM	3	1	22.26	22.29	22.21	
1.4	16QAM	3	3	22.38	22.19	22.23	23
1.4	16QAM	6	0	21.12	21.09	21.11	



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		23.24		25
10	QPSK	1	25		23.20		
10	QPSK	1	49		23.18		
10	QPSK	25	0		22.27		24
10	QPSK	25	12		22.17		
10	QPSK	25	25		22.15		
10	QPSK	50	0		22.21		24
10	16QAM	1	0		22.44		
10	16QAM	1	25		22.39		
10	16QAM	1	49		22.43		23
10	16QAM	25	0		21.42		
10	16QAM	25	12		21.40		
10	16QAM	25	25		21.36		23
10	16QAM	50	0		22.27		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.09	23.17	23.04	25
5	QPSK	1	12	23.12	23.09	23.09	
5	QPSK	1	24	23.00	23.12	23.07	
5	QPSK	12	0	22.07	22.18	22.11	24
5	QPSK	12	7	22.10	22.05	22.02	
5	QPSK	12	13	22.04	22.00	22.00	
5	QPSK	25	0	22.06	22.11	22.01	24
5	16QAM	1	0	22.37	22.41	22.24	
5	16QAM	1	12	22.32	22.26	22.22	
5	16QAM	1	24	22.30	22.33	22.32	23
5	16QAM	12	0	21.44	21.30	21.42	
5	16QAM	12	7	21.40	21.25	21.38	
5	16QAM	12	13	21.17	21.26	21.20	23
5	16QAM	25	0	22.24	22.32	22.17	

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	23.38	23.42	23.35	25
10	QPSK	1	25	23.36	23.39	23.30	
10	QPSK	1	49	23.31	23.33	23.22	
10	QPSK	25	0	22.19	22.31	22.15	24
10	QPSK	25	12	22.18	22.27	22.11	
10	QPSK	25	25	22.21	22.25	22.10	
10	QPSK	50	0	22.25	22.26	22.19	24
10	16QAM	1	0	22.28	22.35	22.17	
10	16QAM	1	25	22.30	22.24	22.16	
10	16QAM	1	49	22.21	22.19	22.05	23
10	16QAM	25	0	21.23	21.26	21.20	
10	16QAM	25	12	21.07	21.13	21.06	
10	16QAM	25	25	21.01	21.20	21.27	23
10	16QAM	50	0	21.06	21.22	21.17	
Channel				23755	23780	23805	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	(dBm)
5	QPSK	1	0	23.25	23.33	23.33	25
5	QPSK	1	12	23.27	23.32	23.25	
5	QPSK	1	24	23.19	23.19	23.14	
5	QPSK	12	0	22.12	22.23	22.12	24
5	QPSK	12	7	22.14	22.25	22.03	
5	QPSK	12	13	22.12	22.23	22.07	
5	QPSK	25	0	22.10	22.24	22.17	24
5	16QAM	1	0	22.14	22.33	22.05	
5	16QAM	1	12	22.27	22.11	22.13	
5	16QAM	1	24	22.12	22.14	22.03	23
5	16QAM	12	0	21.23	21.16	21.12	
5	16QAM	12	7	21.05	21.16	21.06	
5	16QAM	12	13	21.09	21.10	21.25	23
5	16QAM	25	0	21.05	21.29	21.09	



Band 25 (1900MHz Band) (dBm) Part 24E							
RF [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	23.32	23.41	23.23	25
20	QPSK	1	49	23.29	23.36	23.20	
20	QPSK	1	99	23.27	23.18	23.14	
20	QPSK	50	0	22.47	22.49	22.42	
20	QPSK	50	24	22.18	22.35	22.30	24
20	QPSK	50	50	22.21	22.24	22.27	
20	QPSK	100	0	22.19	22.27	22.14	
20	16QAM	1	0	22.40	22.46	22.37	
20	16QAM	1	49	22.36	22.31	22.26	24
20	16QAM	1	99	22.21	22.35	22.17	
20	16QAM	50	0	21.45	21.47	21.40	
20	16QAM	50	24	21.31	21.42	21.29	
20	16QAM	50	50	21.27	21.25	21.35	23
20	16QAM	100	0	21.32	21.34	21.21	
Channel				26115	26365	26615	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	23.23	23.32	23.19	25
15	QPSK	1	37	23.24	23.29	23.18	
15	QPSK	1	74	23.22	23.08	23.12	
15	QPSK	36	0	22.38	22.36	22.29	
15	QPSK	36	20	22.13	22.30	22.22	24
15	QPSK	36	39	22.17	22.13	22.23	
15	QPSK	75	0	22.09	22.12	22.11	
15	16QAM	1	0	22.31	22.39	22.35	
15	16QAM	1	37	22.33	22.21	22.19	24
15	16QAM	1	74	22.08	22.29	22.08	
15	16QAM	36	0	21.34	21.45	21.32	
15	16QAM	36	20	21.28	21.45	21.34	
15	16QAM	36	39	21.32	21.24	21.23	23
15	16QAM	75	0	21.35	21.22	21.09	
Channel				26090	26365	26640	
Frequency (MHz)				1865	1882.5	1910	
10	QPSK	1	0	23.17	23.39	23.19	25
10	QPSK	1	26	23.15	23.21	23.05	
10	QPSK	1	49	23.20	23.14	23.06	
10	QPSK	25	0	22.33	22.46	22.36	
10	QPSK	25	12	22.10	22.28	22.23	24
10	QPSK	25	25	22.13	22.22	22.19	
10	QPSK	50	0	22.17	22.16	22.12	
10	16QAM	1	0	22.30	22.34	22.23	
10	16QAM	1	25	22.22	22.18	22.14	24
10	16QAM	1	49	22.11	22.22	22.04	
10	16QAM	25	0	21.36	21.37	21.37	
10	16QAM	25	12	21.33	21.28	21.34	
10	16QAM	25	25	21.28	21.30	21.22	23
10	16QAM	50	0	21.18	21.29	21.27	
Channel				26065	26365	26665	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	23.17	23.28	23.12	25
5	QPSK	1	12	23.25	23.11	23.07	
5	QPSK	1	24	23.17	23.08	23.03	
5	QPSK	12	0	22.35	22.34	22.29	
5	QPSK	12	7	22.11	22.31	22.22	24
5	QPSK	12	13	22.19	22.13	22.16	
5	QPSK	25	0	22.04	22.16	22.08	
5	16QAM	1	0	22.31	22.40	22.29	
5	16QAM	1	12	22.34	22.20	22.23	24
5	16QAM	1	24	22.13	22.33	22.07	
5	16QAM	12	0	21.37	21.51	21.31	
5	16QAM	12	7	21.16	21.44	21.30	
5	16QAM	12	13	21.27	21.22	21.28	23
5	16QAM	25	0	21.22	21.26	21.11	
Channel				26055	26365	26675	
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	23.22	23.34	23.16	25
3	QPSK	1	8	23.20	23.32	23.16	
3	QPSK	1	14	23.24	23.04	23.10	
3	QPSK	8	0	22.37	22.42	22.32	
3	QPSK	8	4	22.04	22.27	22.26	24
3	QPSK	8	7	22.18	22.11	22.17	
3	QPSK	15	0	22.13	22.12	22.01	
3	16QAM	1	0	22.25	22.44	22.22	
3	16QAM	1	8	22.31	22.17	22.12	24
3	16QAM	1	14	22.16	22.32	22.02	
3	16QAM	8	0	21.32	21.33	21.42	
3	16QAM	8	4	21.27	21.38	21.35	
3	16QAM	8	7	21.22	21.31	21.30	23
3	16QAM	15	0	21.37	21.29	21.28	
Channel				26047	26365	26683	
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	23.18	23.36	23.18	25
1.4	QPSK	1	3	23.21	23.27	23.17	
1.4	QPSK	1	5	23.18	23.10	23.01	
1.4	QPSK	3	0	23.12	23.23	23.19	
1.4	QPSK	3	1	23.00	23.07	23.05	24
1.4	QPSK	3	3	23.01	23.01	23.03	
1.4	QPSK	6	0	22.12	22.17	22.06	
1.4	16QAM	1	0	22.34	22.39	22.28	
1.4	16QAM	1	3	22.29	22.19	22.15	23
1.4	16QAM	1	5	22.17	22.29	22.15	
1.4	16QAM	3	0	22.20	22.27	22.19	
1.4	16QAM	3	1	22.03	22.22	22.14	
1.4	16QAM	3	3	22.09	22.12	22.20	22
1.4	16QAM	6	0	21.23	21.32	21.19	



Band 26 for FCC (dBm) (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.45	23.59	23.54	25
15	QPSK	1	37	23.41	23.50	23.49	
15	QPSK	1	74	23.32	23.52	23.50	
15	QPSK	36	0	22.50	22.58	22.48	24
15	QPSK	36	20	22.36	22.53	22.36	
15	QPSK	36	39	22.42	22.52	22.27	
15	QPSK	75	0	22.41	22.59	22.52	24
15	16QAM	1	0	22.32	22.55	22.46	
15	16QAM	1	37	22.36	22.47	22.42	
15	16QAM	1	74	22.31	22.50	22.18	23
15	16QAM	36	0	21.58	21.71	21.54	
15	16QAM	36	20	21.66	21.60	21.62	
15	16QAM	36	39	21.49	21.63	21.55	23
15	16QAM	75	0	21.47	21.67	21.62	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.32	23.47	23.44	25
10	QPSK	1	25	23.38	23.44	23.39	
10	QPSK	1	49	23.19	23.41	23.44	
10	QPSK	25	0	22.39	22.44	22.43	24
10	QPSK	25	12	22.28	22.49	22.27	
10	QPSK	25	25	22.34	22.50	22.20	
10	QPSK	50	0	22.35	22.44	22.37	24
10	16QAM	1	0	22.30	22.53	22.33	
10	16QAM	1	25	22.30	22.35	22.27	
10	16QAM	1	49	22.27	22.47	22.05	23
10	16QAM	25	0	21.61	21.66	21.50	
10	16QAM	25	12	21.60	21.51	21.63	
10	16QAM	25	25	21.37	21.69	21.45	23
10	16QAM	50	0	21.34	21.52	21.65	
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.39	23.53	23.41	25
5	QPSK	1	12	23.27	23.37	23.44	
5	QPSK	1	24	23.19	23.48	23.38	
5	QPSK	12	0	22.40	22.48	22.45	24
5	QPSK	12	7	22.32	22.41	22.33	
5	QPSK	12	13	22.40	22.42	22.19	
5	QPSK	25	0	22.38	22.46	22.43	24
5	16QAM	1	0	22.27	22.50	22.34	
5	16QAM	1	12	22.23	22.42	22.32	
5	16QAM	1	24	22.16	22.48	22.12	23
5	16QAM	12	0	21.58	21.72	21.57	
5	16QAM	12	7	21.62	21.51	21.57	
5	16QAM	12	13	21.47	21.68	21.43	23
5	16QAM	25	0	21.46	21.61	21.48	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.39	23.55	23.43	25
3	QPSK	1	8	23.38	23.43	23.45	
3	QPSK	1	14	23.29	23.50	23.45	
3	QPSK	8	0	22.46	22.49	22.42	24
3	QPSK	8	4	22.27	22.48	22.28	
3	QPSK	8	7	22.36	22.43	22.18	
3	QPSK	15	0	22.29	22.49	22.38	24
3	16QAM	1	0	22.20	22.49	22.41	
3	16QAM	1	8	22.22	22.38	22.28	
3	16QAM	1	14	22.18	22.38	22.10	23
3	16QAM	8	0	21.45	21.70	21.49	
3	16QAM	8	4	21.70	21.50	21.69	
3	16QAM	8	7	21.36	21.50	21.43	23
3	16QAM	15	0	21.39	21.65	21.49	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.30	23.46	23.42	25
1.4	QPSK	1	3	23.27	23.41	23.38	
1.4	QPSK	1	5	23.24	23.40	23.44	
1.4	QPSK	3	0	23.24	23.32	23.24	24
1.4	QPSK	3	1	23.07	23.29	23.14	
1.4	QPSK	3	3	23.18	23.21	23.01	
1.4	QPSK	6	0	22.35	22.57	22.44	24
1.4	16QAM	1	0	22.19	22.51	22.38	
1.4	16QAM	1	3	22.30	22.34	22.40	
1.4	16QAM	1	5	22.20	22.42	22.06	24
1.4	16QAM	3	0	22.33	22.49	22.37	
1.4	16QAM	3	1	22.49	22.44	22.32	
1.4	16QAM	3	3	22.16	22.39	22.27	23
1.4	16QAM	6	0	21.39	21.56	21.51	
1.4	16QAM	6	0	21.39	21.56	21.51	

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	23.68	23.51	23.37	23.21	23.70	25
20	QPSK	1	49	23.56	23.50	23.28	23.24	23.65	
20	QPSK	1	99	23.62	23.48	23.30	23.51	23.61	
20	QPSK	50	0	22.24	22.18	22.11	22.18	22.46	24
20	QPSK	50	24	22.20	22.07	22.08	22.01	22.31	
20	QPSK	50	50	22.18	22.11	22.04	22.06	22.29	
20	QPSK	100	0	22.36	22.21	22.26	22.13	22.41	24
20	16QAM	1	0	22.11	22.32	22.22	22.01	22.41	
20	16QAM	1	49	22.07	22.14	22.11	22.07	22.31	
20	16QAM	1	99	22.02	22.11	22.18	22.13	22.42	23
20	16QAM	50	0	21.40	21.36	21.30	21.23	21.37	
20	16QAM	50	24	21.21	21.29	21.11	21.32	21.24	
20	16QAM	50	50	21.19	21.18	21.09	21.06	21.11	23
20	16QAM	100	0	21.30	21.26	21.31	21.04	21.30	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.59	23.47	23.33	23.07	23.63	25
15	QPSK	1	37	23.43	23.38	23.25	23.18	23.52	
15	QPSK	1	74	23.49	23.34	23.24	23.47	23.54	
15	QPSK	36	0	22.21	22.15	22.09	22.03	22.32	24
15	QPSK	36	20	22.16	22.10	22.00	22.02	22.26	
15	QPSK	36	39	22.12	22.01	22.01	22.00	22.17	
15	QPSK	75	0	22.31	22.14	22.18	22.09	22.39	24
15	16QAM	1	0	22.01	22.18	22.20	22.04	22.32	
15	16QAM	1	37	22.05	22.10	22.01	22.09	22.25	
15	16QAM	1	74	22.08	22.03	22.16	22.04	22.29	23
15	16QAM	36	0	21.27	21.34	21.15	21.20	21.29	
15	16QAM	36	20	21.10	21.17	21.02	21.22	21.11	
15	16QAM	36	39	21.04	21.04	21.06	21.04	21.02	23
15	16QAM	75	0	21.27	21.18	21.29	21.10	21.20	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.65	23.45	23.33	23.15	23.66	25
10	QPSK	1	25	23.44	23.43	23.22	23.18	23.59	
10	QPSK	1	49	23.47	23.38	23.26	23.45	23.46	
10	QPSK	25	0	22.09	22.03	22.04	22.12	22.40	24
10	QPSK	25	12	22.16	22.04	22.06	22.06	22.16	
10	QPSK	25	25	22.05	22.08	22.02	22.09	22.23	
10	QPSK	50	0	22.26	22.11	22.11	22.10	22.39	24
10	16QAM	1	0	22.02	22.22	22.07	22.10	22.26	
10	16QAM	1	25	22.05	22.10	22.09	22.05	22.21	
10	16QAM	1	49	22.05	22.02	22.12	22.00	22.37	23
10	16QAM	25	0	21.25	21.28	21.20	21.13	21.22	
10	16QAM	25	12	21.15	21.21	21.08	21.27	21.18	
10	16QAM	25	25	21.14	21.16	21.00	21.10	21.03	23
10	16QAM	50	0	21.24	21.19	21.24	21.03	21.22	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.60	23.41	23.34	23.09	23.61	25
5	QPSK	1	12	23.52	23.41	23.23	23.14	23.56	
5	QPSK	1	24	23.54	23.38	23.25	23.46	23.46	
5	QPSK	12	0	22.20	22.13	22.03	22.11	22.35	24
5	QPSK	12	7	22.07	22.06	22.06	22.01	22.22	
5	QPSK	12	13	22.10	22.00	22.09	22.04	22.21	
5	QPSK	25	0	22.21	22.12	22.13	22.03	22.38	24
5	16QAM	1	0	22.08	22.22	22.17	22.10	22.37	
5	16QAM	1	12	22.09	22.12	22.10	22.03	22.24	
5	16QAM	1	24	22.06	22.07	22.09	22.07	22.32	23
5	16QAM	12	0	21.29	21.28	21.22	21.11	21.26	
5	16QAM	12	7	21.11	21.21	21.10	21.23	21.19	
5	16QAM	12	13	21.07	21.05	21.08	21.02	21.08	23
5	16QAM	25	0	21.19	21.22	21.26	21.01	21.17	

Band 66 (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				130702	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.15	23.17	23.25	25		
20	QPSK	1	49	23.07	23.17	23.24			
20	QPSK	1	99	23.11	23.16	23.22			
20	QPSK	50	0	23.20	23.15	23.27			
20	QPSK	50	24	23.17	23.26	23.20	25		
20	QPSK	50	50	23.21	23.18	23.21			
20	QPSK	100	0	23.27	23.11	23.09			
20	16QAM	1	0	23.46	23.38	23.34			
20	16QAM	1	49	23.33	23.31	23.30	25		
20	16QAM	1	99	23.41	23.32	23.24			
20	16QAM	50	0	23.26	23.21	23.18			
20	16QAM	50	24	23.21	23.30	23.24			
20	16QAM	50	50	23.22	23.37	23.34	25		
20	16QAM	100	0	23.20	23.22	23.11			
Channel				132047	132322	132597	Tune-up limit (dBm)		
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.06	23.02	23.22	25		
15	QPSK	1	37	23.02	23.15	23.16			
15	QPSK	1	74	23.07	23.12	23.19			
15	QPSK	36	0	23.07	23.03	23.14			
15	QPSK	36	20	23.08	23.17	23.07	25		
15	QPSK	36	39	23.09	23.03	23.13			
15	QPSK	75	0	23.14	23.04	23.03			
15	16QAM	1	0	23.42	23.28	23.26			
15	16QAM	1	37	23.28	23.13	23.28	25		
15	16QAM	1	74	23.26	23.26	23.20			
15	16QAM	36	0	23.24	23.20	23.11			
15	16QAM	36	20	23.18	23.18	23.19			
15	16QAM	36	39	23.21	23.29	23.31	25		
15	16QAM	75	0	23.26	23.28	23.14			
Channel				132022	132322	132622	Tune-up limit (dBm)		
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.00	23.03	23.21	25		
10	QPSK	1	25	23.01	23.04	23.17			
10	QPSK	1	49	23.04	23.08	23.13			
10	QPSK	25	0	23.10	23.05	23.17			
10	QPSK	25	12	23.06	23.22	23.14	25		
10	QPSK	25	25	23.18	23.10	23.14			
10	QPSK	50	0	23.20	23.05	23.02			
10	16QAM	1	0	23.34	23.29	23.26			
10	16QAM	1	25	23.21	23.22	23.20	25		
10	16QAM	1	49	23.31	23.25	23.13			
10	16QAM	25	0	23.26	23.22	23.22			
10	16QAM	25	12	23.20	23.29	23.20			
10	16QAM	25	25	23.21	23.26	23.33	25		
10	16QAM	50	0	23.08	23.23	23.17			
Channel				131967	132322	132647	Tune-up limit (dBm)		
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.03	23.02	23.13	25		
5	QPSK	1	12	23.03	23.02	23.19			
5	QPSK	1	24	23.04	23.12	23.16			
5	QPSK	12	0	23.14	23.09	23.19			
5	QPSK	12	7	23.04	23.18	23.10	25		
5	QPSK	12	13	23.18	23.03	23.17			
5	QPSK	25	0	23.17	23.05	23.05			
5	16QAM	1	0	23.41	23.24	23.22			
5	16QAM	1	12	23.30	23.18	23.19	25		
5	16QAM	1	24	23.27	23.26	23.20			
5	16QAM	12	0	23.25	23.16	23.24			
5	16QAM	12	7	23.26	23.29	23.31			
5	16QAM	12	13	23.15	23.25	23.33	25		
5	16QAM	25	0	23.16	23.08	23.02			
Channel				131987	132322	132657	Tune-up limit (dBm)		
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	23.04	23.02	23.20	25		
3	QPSK	1	8	23.04	23.10	23.15			
3	QPSK	1	14	23.03	23.10	23.17			
3	QPSK	8	0	23.06	23.10	23.19			
3	QPSK	8	4	23.12	23.21	23.08	25		
3	QPSK	8	7	23.10	23.14	23.14			
3	QPSK	15	0	23.18	23.01	23.03			
3	16QAM	1	0	23.42	23.29	23.32			
3	16QAM	1	8	23.23	23.14	23.22	25		
3	16QAM	1	14	23.26	23.28	23.09			
3	16QAM	8	0	23.31	23.28	23.10			
3	16QAM	8	4	23.10	23.22	23.09			
3	16QAM	8	7	23.27	23.37	23.21	25		
3	16QAM	15	0	23.11	23.11	23.04			
Channel				131979	132322	132605	Tune-up limit (dBm)		
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.09	23.11	23.14	25		
1.4	QPSK	1	3	23.05	23.09	23.15			
1.4	QPSK	1	5	23.05	23.04	23.14			
1.4	QPSK	3	0	23.17	23.00	23.19			
1.4	QPSK	3	1	23.07	23.17	23.09	25		
1.4	QPSK	3	3	23.16	23.09	23.15			
1.4	QPSK	6	0	23.19	23.04	23.05			
1.4	16QAM	1	0	23.40	23.24	23.26			
1.4	16QAM	1	3	23.31	23.17	23.15	25		
1.4	16QAM	1	5	23.32	23.26	23.18			
1.4	16QAM	3	0	23.11	23.21	23.13			
1.4	16QAM	3	1	23.07	23.19	23.26			
1.4	16QAM	3	3	23.28	23.24	23.35	25		
1.4	16QAM	6	0	23.12	23.33	22.97			

Band 71 (dBm)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				133222	133322	133372			
Frequency (MHz)				673	683	688			
20	QPSK	1	0	23.16	23.25	23.20	25		
20	QPSK	1	49	23.21	23.20	23.14			
20	QPSK	1	99	23.17	23.19	23.18			
20	QPSK	50	0	22.11	22.21	22.14			
20	QPSK	50	24	22.19	22.10	22.04	24		
20	QPSK	50	50	22.18	22.06	22.16			
20	QPSK	100	0	22.02	22.11	22.07			
20	16QAM	1	0	22.31	22.36	22.34			
20	16QAM	1	49	22.04	22.30	22.31	24		
20	16QAM	1	99	22.16	22.24	22.33			
20	16QAM	50	0	21.37	21.38	21.31			
20	16QAM	50	24	21.32	21.23	21.07			
20	16QAM	50	50	21.18	21.25	21.16	23		
20	16QAM	100	0	21.17	21.26	21.06			
Channel				133197	133297	133397	Tune-up limit (dBm)		
Frequency (MHz)				670.5	680.5	690.5			
15	QPSK	1	0	23.13	23.19	23.18	25		
15	QPSK	1	37	23.13	23.10	23.05			
15	QPSK	1	74	23.15	23.04	23.14			
15	QPSK	36	0	22.01	22.11	22.12			
15	QPSK	36	20	22.06	22.05	21.96	24		
15	QPSK	36	39	22.09	21.99	22.13			
15	QPSK	75	0	22.01	22.05	22.03	24		
15	16QAM	1	0	22.29	22.21	22.19			
15	16QAM	1	37	22.09	22.17	22.19			
15	16QAM	1	74	22.10	22.10	22.25			
15	16QAM	36	0	21.33	21.26	21.16	23		
15	16QAM	36	20	21.27	21.21	21.03			
15	16QAM	36	39	21.19	21.31	21.02			
15	16QAM	75	0	21.03	21.32	21.04			
Channel				133172	133272	133422	Tune-up limit (dBm)		
Frequency (MHz)				668	678	693			
10	QPSK	1	0	23.11	23.20	23.15	25		
10	QPSK	1	25	23.16	23.09	23.02			
10	QPSK	1	49	23.07	23.06	23.08			
10	QPSK	25	0	22.02	22.10	22.11			
10	QPSK	25	12	22.14	22.05	22.00	24		
10	QPSK	25	25	22.03	22.01	22.12			
10	QPSK	50	0	22.01	22.08	22.04			
10	16QAM	1	0	22.27	22.25	22.28			
10	16QAM	1	25	22.00	22.26	22.22	24		
10	16QAM	1	49	22.01	22.21	22.26			
10	16QAM	25	0	21.26	21.27	21.38			
10	16QAM	25	12	21.33	21.09	21.09			
10	16QAM	25	25	21.20	21.10	21.18	23		
10	16QAM	50	0	21.08	21.33	21.01			
Channel				133147	133247	133447	Tune-up limit (dBm)		
Frequency (MHz)				665.5	675.5	695.5			
5	QPSK	1	0	23.13	23.10	23.12	25		
5	QPSK	1	12	23.15	23.10	23.04			
5	QPSK	1	24	23.08	23.07	23.11			
5	QPSK	12	0	22.03	22.08	22.02			
5	QPSK	12	7	22.07	22.05	22.05	24		
5	QPSK	12	13	22.04	22.08	22.01			
5	QPSK	25	0	22.00	22.05	22.00			
5	16QAM	1	0	22.20	22.22	22.20			
5	16QAM	1	12	22.04	22.20	22.18	24		
5	16QAM	1	24	22.04	22.14	22.24			
5	16QAM	12	0	21.26	21.26	21.21			
5	16QAM	12	7	21.20	21.24	21.01			
5	18QAM	12	13	21.11	21.27	21.13	23		
5	18QAM	25	0	21.14	21.20	21.07			