



REPORT No.: SZ25120010S01

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	23.11	23.09	23.27	25
20	QPSK	1	49	22.91	22.95	22.88	
20	QPSK	1	99	22.85	22.92	22.89	
20	QPSK	50	0	22.41	22.48	22.44	
20	QPSK	50	24	22.43	22.37	22.35	24
20	QPSK	50	50	22.40	22.43	22.36	
20	QPSK	100	0	22.43	22.44	22.33	
20	16QAM	1	0	22.10	22.01	21.84	
20	16QAM	1	12	21.98	22.07	22.02	24
20	16QAM	1	24	22.08	21.85	22.12	
20	16QAM	25	0	20.58	20.53	20.57	
20	16QAM	25	24	20.79	20.64	20.63	
20	16QAM	25	49	20.66	20.69	20.71	23
20	64QAM	1	0	20.74	20.88	20.83	
20	64QAM	1	5	20.77	21.03	20.71	
20	64QAM	1	11	20.87	20.75	20.71	
20	64QAM	6	0	20.53	20.42	20.42	22
20	64QAM	6	2	20.36	20.37	20.44	
20	64QAM	6	6	20.49	20.42	20.47	
20	64QAM	12	0	20.41	20.44	20.43	
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.79	22.85	22.81	25
15	QPSK	1	37	22.78	22.82	22.75	
15	QPSK	1	74	22.72	22.79	22.76	
15	QPSK	36	0	22.49	22.42	22.45	
15	QPSK	36	20	22.44	22.38	22.36	24
15	QPSK	36	39	22.41	22.44	22.37	
15	QPSK	75	0	22.44	22.45	22.34	
15	16QAM	1	0	22.11	22.02	21.85	
15	16QAM	1	12	21.90	22.08	22.03	24
15	16QAM	1	24	22.09	21.86	22.13	
15	16QAM	25	0	20.64	20.59	20.63	
15	16QAM	25	24	20.85	20.70	20.69	
15	16QAM	25	49	20.72	20.75	20.77	23
15	64QAM	1	0	20.80	20.94	20.89	
15	64QAM	1	5	20.83	20.87	20.77	
15	64QAM	1	11	20.93	20.81	20.63	
15	64QAM	6	0	20.40	20.29	20.29	22
15	64QAM	6	2	20.23	20.24	20.31	
15	64QAM	6	6	20.36	20.29	20.34	
15	64QAM	12	0	20.28	20.31	20.30	
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.70	22.76	22.72	25
10	QPSK	1	25	22.69	22.73	22.66	
10	QPSK	1	49	22.63	22.70	22.67	
10	QPSK	25	0	22.39	22.32	22.35	
10	QPSK	25	12	22.34	22.28	22.36	24
10	QPSK	25	25	22.31	22.34	22.27	
10	QPSK	50	0	22.34	22.35	22.24	
10	16QAM	1	0	22.01	21.92	21.75	
10	16QAM	1	12	21.89	21.98	21.93	24
10	16QAM	1	24	21.99	21.76	22.03	
10	16QAM	25	0	20.55	20.50	20.54	
10	16QAM	25	24	20.76	20.61	20.60	
10	64QAM	1	0	20.71	20.85	20.80	23
10	64QAM	1	5	20.74	20.78	20.68	
10	64QAM	1	11	20.84	20.72	20.54	
10	64QAM	6	0	20.31	20.20	20.20	
10	64QAM	6	2	20.14	20.15	20.22	22
10	64QAM	6	6	20.27	20.20	20.25	
10	64QAM	12	0	20.19	20.22	20.21	
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.61	22.72	22.63	25
5	QPSK	1	24	22.60	22.64	22.57	
5	QPSK	1	24	22.54	22.61	22.58	
5	QPSK	12	0	22.29	22.22	22.36	
5	QPSK	12	7	22.24	22.18	22.16	24
5	QPSK	12	13	22.21	22.24	22.17	
5	QPSK	25	0	22.24	22.25	22.14	
5	16QAM	1	0	21.91	21.82	21.65	
5	16QAM	1	12	21.79	21.88	21.83	24
5	16QAM	1	24	21.89	21.66	21.93	
5	16QAM	12	0	20.65	20.60	20.64	
5	16QAM	12	7	20.86	20.71	20.70	
5	16QAM	12	13	20.73	20.76	20.78	23
5	16QAM	25	0	20.71	20.73	20.69	
5	64QAM	1	0	20.81	20.95	20.90	
5	64QAM	1	5	20.84	20.88	20.78	
5	64QAM	1	11	20.94	20.82	20.64	22
5	64QAM	6	0	20.22	20.11	20.11	
5	64QAM	6	2	20.05	20.06	20.13	
5	64QAM	6	6	20.18	20.11	20.16	
5	64QAM	12	0	20.10	20.13	20.12	
Channel				18610	18900	19165	
Frequency (MHz)				1851.5	1880	1903.5	
3	QPSK	1	0	22.52	22.63	22.54	25
3	QPSK	1	8	22.51	22.55	22.48	
3	QPSK	1	14	22.45	22.52	22.49	
3	QPSK	8	0	22.20	22.13	22.16	
3	QPSK	8	4	22.15	22.09	22.07	24
3	QPSK	8	7	22.12	22.15	22.08	
3	QPSK	15	0	22.15	22.16	22.05	
3	16QAM	1	0	21.82	21.73	21.56	
3	16QAM	1	8	21.70	21.79	21.74	24
3	16QAM	1	14	21.80	21.57	21.84	
3	16QAM	8	0	20.56	20.51	20.55	
3	16QAM	8	4	20.77	20.62	20.61	
3	16QAM	8	7	20.64	20.67	20.69	23
3	16QAM	15	0	20.62	20.64	20.60	
3	64QAM	1	0	20.72	20.86	20.81	
3	64QAM	1	5	20.75	20.79	20.69	
3	64QAM	1	11	20.85	20.73	20.55	23
3	64QAM	6	0	20.13	20.02	20.02	

Band 4 (AWS Band) (dBm) Part 27L (only on channel required)								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	23.16	23.12	23.09	25	
20	QPSK	1	49	22.77	22.78	22.88		
20	QPSK	1	99	22.69	22.71	22.83		
20	QPSK	50	0	22.25	22.36	22.29		
20	QPSK	50	24	22.21	22.24	22.32	24	
20	QPSK	50	50	22.18	22.21	22.23		
20	QPSK	100	0	22.15	22.24	22.28		
20	16QAM	1	0	21.88	22.13	22.06		
20	16QAM	1	12	22.13	22.19	22.13	24	
20	16QAM	1	24	22.20	22.19	22.11		
20	16QAM	25	0	21.24	21.20	21.34		
20	16QAM	25	24	21.27	21.16	21.29		
20	16QAM	25	49	21.32	21.18	21.28	23	
20	64QAM	1	0	21.36	21.30	21.43		
20	64QAM	1	5	21.16	21.18	21.43		
20	64QAM	1	11	21.26	21.27	21.47		
20	64QAM	6	0	20.60	20.57	20.67	22	
20	64QAM	6	2	20.59	20.61	20.83		
20	64QAM	6	6	20.63	20.60	20.87		
20	64QAM	12	0	20.61	20.58	20.78		
Channel				20025	20175	20325		
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.90	23.09	23.03	25	
15	QPSK	1	37	22.86	22.87	22.88		
15	QPSK	1	74	22.78	22.80	22.83		
15	QPSK	36	0	22.34	22.37	22.29		
15	QPSK	36	20	22.30	22.33	22.32	24	
15	QPSK	36	39	22.27	22.30	22.36		
15	QPSK	75	0	22.24	22.33	22.28		
15	16QAM	1	0	21.97	22.22	22.26		
15	16QAM	1	12	22.22	22.28	22.13	24	
15	16QAM	1	24	22.29	22.28	22.39		
15	16QAM	25	0	21.33	21.29	21.34		
15	16QAM	25	24	21.36	21.25	21.29		
15	16QAM	25	49	21.41	21.27	21.28	23	
15	64QAM	1	0	21.45	21.39	21.43		
15	64QAM	1	5	21.25	21.27	21.43		
15	64QAM	1	11	21.35	21.36	21.47		
15	64QAM	6	0	20.69	20.66	20.67	22	
15	64QAM	6	2	20.68	20.70	20.83		
15	64QAM	6	6	20.72	20.69	20.87		
15	64QAM	12	0	20.70	20.67	20.78		
Channel				20000	20175	20350		
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.84	22.94	22.88	25	
10	QPSK	1	25	22.71	22.72	22.73		
10	QPSK	1	49	22.63	22.65	22.68		
10	QPSK	25	0	22.19	22.22	22.14		
10	QPSK	25	12	22.15	22.18	22.17	24	
10	QPSK	25	25	22.12	22.15	22.21		
10	QPSK	50	0	22.09	22.18	22.13		
10	16QAM	1	0	21.82	22.07	22.13	24	
10	16QAM	1	12	22.07	22.13	21.98		
10	16QAM	1	24	22.14	22.13	22.24		
10	16QAM	25	0	21.18	21.14	21.19		
10	16QAM	25	24	21.21	21.10	21.14	23	
10	64QAM	1	0	21.30	21.24	21.28		
10	64QAM	1	5	21.10	21.12	21.28		
10	64QAM	1	11	21.20	21.21	21.32		
10	64QAM	6	0	20.54	20.51	20.52	22	
10	64QAM	6	2	20.53	20.55	20.68		
10	64QAM	6	6	20.57	20.54	20.72		
10	64QAM	12	0	20.55	20.52	20.63		
Channel				19975	20175	20375		
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.77	22.89	22.81	25	
5	QPSK	1	12	22.64	22.65	22.66		
5	QPSK	1	24	22.56	22.58	22.61		
5	QPSK	12	0	22.12	22.15	22.07		
5	QPSK	12	7	22.08	22.11	22.10	24	
5	QPSK	12	13	22.05	22.08	22.14		
5	QPSK	25	0	22.02	22.11	22.06		
5	16QAM	1	0	21.75	22.00	22.06		
5	16QAM	1	12	22.00	22.06	21.91	24	
5	16QAM	1	24	22.07	22.06	22.17		
5	16QAM	12	0	21.11	21.07	21.12		
5	16QAM	12	7	21.14	21.03	21.07		
5	16QAM	12	13	21.19	21.05	21.06	23	
5	16QAM	25	0	21.11	21.10	21.08		
5	64QAM	1	0	21.23	21.17	21.21		
5	64QAM	1	5	21.03	21.05	21.21		
5	64QAM	1	11	21.13	21.14	21.25	23	
5	64QAM	6	0	20.47	20.44	20.45		
5	64QAM	6	2	20.46	20.48	20.61		
5	64QAM	6	6	20.50	20.47	20.65		
5	64QAM	12	0	20.48	20.45	20.56	22	
Channel				19965	20175	20385		
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.73	22.83	22.77		25
3	QPSK	1	8	22.60	22.61	22.62		
3	QPSK	1	14	22.52	22.54	22.57		
3	QPSK	8	0	22.08	22.11	22.03		
3	QPSK	8	4	22.04	22.07	22.06	24	
3	QPSK	8	7	22.01	22.04	22.10		
3	QPSK	15	0	21.98	22.07	22.02		
3	16QAM	1	0	21.87	21.84	21.90		
3	16QAM	1	8	21.84	21.90	21.75	24	
3	16QAM	1	14	21.91	21.90	22.01		
3	16QAM	8	0	20.97	20.93	20.98		
3	16QAM	8	4	21.00	20.99	20.93		
3	16QAM	8	7	20.95	20.91	20.92	23	
3	16QAM	15	0	20.97	20.96	20.94		
3	64QAM	1	0	21.09	21.03	21.07		
3	64QAM	1	5	20.89	20.91	21.07		
3	64QAM	1	11	20.99	21.00	21.11	23	
3	64QAM	6	0	20.43	20.40	20.41		



3	64QAM	6	2	19.96	19.97	20.04	22
3	64QAM	6	6	20.09	20.02	20.07	
3	64QAM	12	0	20.01	20.04	20.03	
Channel				16607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1650.7	1880	1909.3	
1.4	QPSK	1	0	22.48	22.59	22.50	25
1.4	QPSK	1	3	22.47	22.51	22.44	
1.4	QPSK	1	5	22.41	22.48	22.45	
1.4	QPSK	3	0	22.16	22.09	22.12	
1.4	QPSK	3	1	22.11	22.05	22.03	
1.4	QPSK	3	3	22.08	22.11	22.04	24
1.4	QPSK	6	0	22.11	22.12	22.01	
1.4	16QAM	1	0	21.79	21.69	21.52	
1.4	16QAM	1	3	21.66	21.75	21.70	
1.4	16QAM	1	5	21.76	21.53	21.80	
1.4	16QAM	3	0	20.52	20.47	20.51	24
1.4	16QAM	3	1	20.73	20.58	20.57	
1.4	16QAM	3	3	20.60	20.63	20.65	
1.4	16QAM	6	0	20.58	20.60	20.56	
1.4	64QAM	1	0	20.68	20.82	20.77	
1.4	64QAM	1	3	20.71	20.75	20.65	23
1.4	64QAM	1	5	20.81	20.69	20.51	
1.4	64QAM	3	0	20.09	19.98	19.98	
1.4	64QAM	3	1	19.92	19.93	20.00	
1.4	64QAM	3	3	20.05	19.98	20.03	
1.4	64QAM	6	0	19.97	20.00	19.99	22

3	64QAM	6	2	20.42	20.44	20.57	22
3	64QAM	6	6	20.46	20.43	20.61	
3	64QAM	12	0	20.44	20.41	20.52	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.75	22.91	22.75	25
1.4	QPSK	1	3	22.62	22.63	22.64	
1.4	QPSK	1	5	22.54	22.56	22.59	
1.4	QPSK	3	0	22.90	22.93	22.85	
1.4	QPSK	3	1	22.86	22.89	22.88	
1.4	QPSK	3	3	22.83	22.86	22.92	24
1.4	QPSK	6	0	21.41	21.49	21.44	
1.4	16QAM	1	0	21.72	21.67	21.73	
1.4	16QAM	1	3	21.67	21.73	21.58	
1.4	16QAM	1	5	21.74	21.73	21.84	
1.4	16QAM	3	0	22.20	22.16	22.21	24
1.4	16QAM	3	1	22.23	22.12	22.16	
1.4	16QAM	3	3	22.28	22.14	22.15	
1.4	16QAM	6	0	21.47	21.46	21.44	
1.4	64QAM	1	0	21.59	21.53	21.57	
1.4	64QAM	1	3	21.39	21.41	21.57	23
1.4	64QAM	1	5	21.49	21.50	21.61	
1.4	64QAM	3	0	21.41	21.38	21.39	
1.4	64QAM	3	1	21.40	21.42	21.55	
1.4	64QAM	3	3	21.44	21.41	21.59	
1.4	64QAM	6	0	20.46	20.43	20.54	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	25
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.41	23.42	23.29	25
10	QPSK	1	25	23.19	23.22	23.11	
10	QPSK	1	49	23.09	23.15	23.03	24
10	QPSK	25	0	22.32	22.39	22.37	
10	QPSK	25	12	22.33	22.30	22.25	24
10	QPSK	25	25	22.25	22.21	22.24	
10	QPSK	50	0	22.14	22.16	22.13	24
10	16QAM	1	0	22.23	22.13	22.09	
10	16QAM	1	12	22.22	22.40	22.26	23
10	16QAM	1	24	22.19	22.20	22.12	
10	16QAM	25	0	20.97	20.88	20.85	23
10	16QAM	25	24	20.89	20.85	20.82	
10	64QAM	1	0	21.03	21.10	20.99	23
10	64QAM	1	5	20.90	20.88	20.94	
10	64QAM	1	11	21.05	20.85	21.01	22
10	64QAM	6	0	20.52	20.45	20.40	
10	64QAM	6	2	20.60	20.40	20.45	22
10	64QAM	6	6	20.44	20.45	20.40	
10	64QAM	12	0	20.45	20.42	20.44	25
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	25
5	QPSK	1	0	23.08	23.10	23.03	
5	QPSK	1	12	23.00	23.03	22.92	24
5	QPSK	1	24	22.90	22.96	22.84	
5	QPSK	12	0	22.13	22.20	22.18	24
5	QPSK	12	7	22.14	22.11	22.06	
5	QPSK	12	13	22.06	22.02	22.05	24
5	QPSK	25	0	21.95	21.97	21.94	
5	16QAM	1	0	22.04	21.94	21.90	24
5	16QAM	1	12	22.03	22.21	22.07	
5	16QAM	1	24	22.00	22.01	21.93	23
5	16QAM	12	0	20.78	20.69	20.86	
5	16QAM	12	7	20.70	20.66	20.63	23
5	16QAM	12	13	20.78	20.74	20.69	
5	64QAM	1	0	20.84	20.91	20.80	23
5	64QAM	1	5	20.71	20.69	20.75	
5	64QAM	1	11	20.86	20.66	20.82	22
5	64QAM	6	0	20.81	20.74	20.69	
5	64QAM	6	2	20.89	20.69	20.74	22
5	64QAM	6	6	20.73	20.74	20.69	
5	64QAM	12	0	20.74	20.71	20.73	25
Channel				20415	20525	20635	
Frequency (MHz)				825.5	836.5	847.5	25
3	QPSK	1	0	22.87	22.89	22.82	
3	QPSK	1	8	22.79	22.82	22.71	24
3	QPSK	1	14	22.69	22.75	22.63	
3	QPSK	8	0	22.23	22.30	22.28	24
3	QPSK	8	4	22.24	22.21	22.16	
3	QPSK	8	7	22.16	22.12	22.15	24
3	QPSK	15	0	22.05	22.07	22.04	
3	16QAM	1	0	22.32	22.22	22.18	24
3	16QAM	1	8	22.31	22.49	22.35	
3	16QAM	1	14	22.28	22.29	22.21	23
3	16QAM	8	0	20.75	20.66	20.63	
3	16QAM	8	4	20.67	20.63	20.60	23
3	64QAM	1	0	20.81	20.88	20.77	
3	64QAM	1	5	20.68	20.66	20.72	22
3	64QAM	1	11	20.83	20.63	20.79	
3	64QAM	6	0	20.42	20.35	20.30	22
3	64QAM	6	2	20.50	20.30	20.35	
3	64QAM	6	6	20.34	20.35	20.30	25
3	64QAM	12	0	20.35	20.32	20.34	
Channel				20407	20525	20643	25
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	22.77	22.79	22.72	25
1.4	QPSK	1	3	22.69	22.72	22.61	
1.4	QPSK	1	5	22.59	22.65	22.53	24
1.4	QPSK	3	0	22.31	22.38	22.36	
1.4	QPSK	3	1	22.32	22.29	22.24	24
1.4	QPSK	3	3	22.24	22.20	22.23	
1.4	QPSK	6	0	21.97	21.99	21.96	24
1.4	16QAM	1	0	21.34	21.34	21.20	
1.4	16QAM	1	3	21.33	21.51	21.37	24
1.4	16QAM	1	5	21.30	21.31	21.23	
1.4	16QAM	3	0	21.69	21.60	21.57	23
1.4	16QAM	3	1	21.61	21.57	21.54	
1.4	16QAM	3	3	21.69	21.65	21.60	23
1.4	16QAM	6	0	21.05	20.91	20.88	
1.4	64QAM	1	0	20.89	20.96	20.85	23
1.4	64QAM	1	3	20.76	20.74	20.80	
1.4	64QAM	1	5	20.91	20.71	20.87	22
1.4	64QAM	3	0	20.86	20.79	20.74	
1.4	64QAM	3	1	20.94	20.74	20.79	22
1.4	64QAM	3	3	20.78	20.79	20.74	
1.4	64QAM	6	0	20.25	20.22	20.24	22
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	

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	25
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	23.06	23.04	22.98	25
20	QPSK	1	49	22.83	22.90	22.95	
20	QPSK	1	99	22.94	22.95	22.96	24
20	QPSK	50	0	21.75	21.82	21.77	
20	QPSK	50	24	21.66	21.71	21.70	24
20	QPSK	50	50	21.69	21.68	21.70	
20	QPSK	100	0	21.64	21.66	21.61	24
20	16QAM	1	0	21.60	21.54	21.59	
20	16QAM	1	12	21.67	21.66	21.58	23
20	16QAM	1	24	21.68	21.73	21.69	
20	16QAM	25	0	20.58	20.73	20.79	23
20	16QAM	25	24	20.62	20.67	20.59	
20	16QAM	25	49	20.61	20.72	20.57	23
20	64QAM	1	0	20.63	20.67	20.71	
20	64QAM	1	5	20.67	20.73	20.48	23
20	64QAM	1	11	20.62	20.49	20.39	
20	64QAM	6	0	20.21	20.25	20.29	22
20	64QAM	6	2	20.21	20.34	20.13	
20	64QAM	6	6	20.18	20.33	20.27	22
20	64QAM	12	0	20.26	20.25	20.15	
Channel				20825	21100	21375	25
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.71	22.77	22.73	25
15	QPSK	1	37	22.63	22.70	22.75	
15	QPSK	1	74	22.74	22.75	22.76	24
15	QPSK	36	0	21.41	21.52	21.47	
15	QPSK	36	20	21.46	21.51	21.50	24
15	QPSK	36	39	21.49	21.48	21.50	
15	QPSK	75	0	21.44	21.46	21.41	24
15	16QAM	1	0	21.40	21.34	21.39	
15	16QAM	1	12	21.47	21.46	21.38	24
15	16QAM	1	24	21.48	21.53	21.49	
15	16QAM	25	0	20.38	20.53	20.59	23
15	16QAM	25	24	20.42	20.47	20.39	
15	16QAM	25	49	20.41	20.52	20.37	23
15	64QAM	1	0	20.43	20.47	20.51	
15	64QAM	1	5	20.47	20.53	20.28	23
15	64QAM	1	11	20.42	20.29	20.19	
15	64QAM	6	0	20.20	20.24	20.28	22
15	64QAM	6	2	20.20	20.33	20.12	
15	64QAM	6	6	20.17	20.32	20.26	22
15	64QAM	12	0	20.25	20.24	20.14	
Channel				20800	21100	21400	25
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.60	22.66	22.62	25
10	QPSK	1	25	22.52	22.59	22.64	
10	QPSK	1	49	22.63	22.64	22.65	24
10	QPSK	25	0	21.49	21.60	21.55	
10	QPSK	25	12	21.54	21.59	21.58	24
10	QPSK	25	25	21.57	21.56	21.58	
10	QPSK	50	0	21.52	21.54	21.49	24
10	16QAM	1	0	21.48	21.42	21.47	
10	16QAM	1	12	21.55	21.54	21.46	24
10	16QAM	1	24	21.56	21.61	21.57	
10	16QAM	25	0	20.46	20.61	20.67	23
10	16QAM	25	24	20.50	20.55	20.47	
10	64QAM	1	0	20.51	20.55	20.59	23
10	64QAM	1	5	20.55	20.61	20.36	
10	64QAM	1	11	20.50	20.37	20.27	22
10	64QAM	6	0	20.28	20.32	20.36	
10	64QAM	6	2	20.28	20.41	20.20	22
10	64QAM	6	6	20.25	20.40	20.34	
10	64QAM	12	0	20.33	20.32	20.22	25
Channel				20775	21000	21425	
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.39	22.45	22.41	25
5	QPSK	1	12	22.31	22.38	22.43	
5	QPSK	1	24	22.42	22.43	22.44	24
5	QPSK	12	0	21.28	21.39	21.34	
5	QPSK	12	7	21.33	21.38	21.37	24
5	QPSK	12	13	21.36	21.35	21.37	
5	QPSK	25	0	21.31	21.33	21.28	24
5	16QAM	1	0	21.27	21.21	21.26	
5	16QAM	1	12	21.34	21.33	21.25	24
5	16QAM	1	24	21.35	21.40	21.36	
5	16QAM	12	0	20.25	20.40	20.46	23
5	16QAM	12	7	20.29	20.34	20.26	
5	16QAM	12	13	20.28	20.39	20.24	23
5	16QAM	25	0	20.27	20.32	20.37	
5	64QAM	1	0	20.30	20.34	20.38	23
5	64QAM	1	5	20.34	20.40	20.15	
5	64QAM	1	11	20.29	20.16	20.06	22
5	64QAM	6	0	20.26	20.30	20.34	
5	64QAM	6	2	20.26	20.39	20.18	22
5	64QAM	6	6	20.23	20.38	20.32	
5	64QAM	12	0	20.31	20.30	20.20	22

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.26	23.37	23.32	25
10	QPSK	1	25	23.24	23.27	23.28	
10	QPSK	1	49	23.14	23.29	23.31	
10	QPSK	25	0	22.47	22.48	22.41	
10	QPSK	25	12	22.43	22.34	22.41	24
10	QPSK	25	25	22.43	22.38	22.35	
10	QPSK	50	0	22.37	22.43	22.42	
10	16QAM	1	0	22.61	22.58	22.45	
10	16QAM	1	12	22.36	22.43	22.43	24
10	16QAM	1	24	22.41	22.36	22.47	
10	16QAM	25	0	21.39	21.41	21.52	
10	16QAM	25	24	21.37	21.42	21.39	
10	64QAM	1	0	21.53	21.48	21.38	23
10	64QAM	1	5	21.59	21.54	21.52	
10	64QAM	1	11	21.65	21.67	21.61	
10	64QAM	6	0	20.49	20.69	20.53	
10	64QAM	6	2	20.56	20.62	20.64	22
10	64QAM	6	6	20.51	20.58	20.52	
10	64QAM	12	0	20.55	20.53	20.56	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	22.95	23.03	23.01	25
5	QPSK	1	12	22.93	22.96	22.97	
5	QPSK	1	24	22.83	22.98	23.00	
5	QPSK	12	0	22.16	22.13	22.10	
5	QPSK	12	7	22.12	22.03	22.10	24
5	QPSK	12	13	22.12	22.07	22.04	
5	QPSK	25	0	22.06	22.05	22.11	
5	16QAM	1	0	22.30	22.27	22.14	
5	16QAM	1	12	22.05	22.12	22.12	24
5	16QAM	1	24	22.10	22.05	22.16	
5	16QAM	12	0	21.08	21.10	21.21	
5	16QAM	12	7	21.06	21.11	21.08	
5	16QAM	12	13	21.18	21.15	21.17	23
5	64QAM	1	0	21.22	21.17	21.07	
5	64QAM	1	5	21.28	21.23	21.21	
5	64QAM	1	11	21.34	21.36	21.30	
5	64QAM	6	0	20.18	20.38	20.22	22
5	64QAM	6	2	20.25	20.31	20.33	
5	64QAM	6	6	20.20	20.27	20.21	
5	64QAM	12	0	20.24	20.22	20.25	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	22.83	22.91	22.89	25
3	QPSK	1	8	22.81	22.84	22.85	
3	QPSK	1	14	22.71	22.86	22.88	
3	QPSK	8	0	22.04	22.01	21.98	
3	QPSK	8	4	22.05	21.91	21.98	24
3	QPSK	8	7	22.00	21.95	21.92	
3	QPSK	15	0	21.94	21.93	21.99	
3	16QAM	1	0	22.18	22.15	22.02	
3	16QAM	1	8	21.93	22.00	22.00	24
3	16QAM	1	14	21.98	21.93	22.04	
3	16QAM	8	0	20.96	20.98	21.09	
3	16QAM	8	4	20.94	20.99	20.96	
3	64QAM	1	0	21.10	21.05	20.95	23
3	64QAM	1	5	21.16	21.11	21.09	
3	64QAM	1	11	21.22	21.24	21.18	
3	64QAM	6	0	20.71	20.39	20.75	
3	64QAM	6	2	20.78	20.84	20.86	22
3	64QAM	6	6	20.73	20.80	20.74	
3	64QAM	12	0	20.77	20.75	20.78	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.85	22.93	22.91	25
1.4	QPSK	1	3	22.83	22.86	22.87	
1.4	QPSK	1	5	22.73	22.88	22.90	
1.4	QPSK	3	0	22.06	22.03	22.00	
1.4	QPSK	3	1	22.02	21.93	22.00	24
1.4	QPSK	3	3	22.02	21.97	21.94	
1.4	QPSK	6	0	21.96	21.95	22.01	
1.4	16QAM	1	0	22.20	22.17	22.04	
1.4	16QAM	1	3	21.95	22.02	22.02	24
1.4	16QAM	1	5	22.00	21.95	22.06	
1.4	16QAM	3	0	20.98	21.00	21.11	
1.4	16QAM	3	1	20.96	21.01	20.98	
1.4	16QAM	3	3	21.08	21.05	21.07	23
1.4	16QAM	6	0	21.12	21.06	21.03	
1.4	64QAM	1	0	21.12	21.07	20.97	
1.4	64QAM	1	3	21.18	21.13	21.11	
1.4	64QAM	1	5	21.24	21.26	21.20	23
1.4	64QAM	3	0	20.96	21.16	21.00	
1.4	64QAM	3	1	21.03	21.09	21.11	
1.4	64QAM	3	3	20.98	21.05	20.99	
1.4	64QAM	6	0	20.83	20.81	20.84	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			Tune-up limit (dBm)
Frequency (MHz)				782			
10	QPSK	1	0		23.68		25
10	QPSK	1	25		23.57		
10	QPSK	1	49		23.59		
10	QPSK	25	0		22.58		24
10	QPSK	25	12		22.68		
10	QPSK	25	25		22.72		
10	QPSK	50	0		22.70		24
10	16QAM	1	0		22.92		
10	16QAM	1	12		22.77		
10	16QAM	1	24		22.70		23
10	16QAM	25	0		21.45		
10	16QAM	25	24		21.46		
Channel				23205			Tune-up limit (dBm)
Frequency (MHz)				779.5			
5	QPSK	1	0	23.24	23.37	23.29	25
5	QPSK	1	12	23.23	23.26	23.27	
5	QPSK	1	24	23.13	23.28	23.30	
5	QPSK	12	0	22.24	22.27	22.18	24
5	QPSK	12	7	22.46	22.37	22.44	
5	QPSK	12	13	22.46	22.41	22.38	
5	QPSK	25	0	22.40	22.39	22.45	24
5	16QAM	1	0	22.64	22.61	22.48	
5	16QAM	1	12	22.39	22.46	22.46	
5	16QAM	1	24	22.44	22.39	22.50	23
5	16QAM	12	0	21.12	21.14	21.25	
5	16QAM	12	7	21.10	21.15	21.21	
5	16QAM	12	13	21.22	21.19	21.22	23
5	64QAM	1	0	21.26	21.21	21.11	
5	64QAM	1	5	21.32	21.27	21.25	
5	64QAM	1	11	21.38	21.40	21.34	22
5	64QAM	6	0	21.10	21.30	21.14	
5	64QAM	6	2	21.17	21.23	21.25	
5	64QAM	6	6	21.12	21.19	21.13	Tune-up limit (dBm)
5	64QAM	12	0	21.16	21.14	21.17	

Band 14 (700MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23330			Tune-up limit (dBm)
Frequency (MHz)				793			
10	QPSK	1	0		23.64		25
10	QPSK	1	25		23.38		
10	QPSK	1	49		23.40		
10	QPSK	25	0		22.39		24
10	QPSK	25	12		22.49		
10	QPSK	25	25		22.53		
10	QPSK	50	0		22.51		24
10	16QAM	1	0		22.73		
10	16QAM	1	12		22.58		
10	16QAM	1	24		22.51		23
10	16QAM	25	0		21.26		
10	16QAM	25	24		21.27		
10	64QAM	1	0		21.33		23
10	64QAM	1	5		21.39		
10	64QAM	1	11		21.52		
10	64QAM	6	0		21.19		22
10	64QAM	6	2		21.12		
10	64QAM	6	8		21.08		
10	64QAM	12	0		21.03		Tune-up limit (dBm)
Channel				23305	23330	23355	
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.36	23.49	23.41	
5	QPSK	1	12	23.35	23.38	23.39	25
5	QPSK	1	24	23.25	23.40	23.42	
5	QPSK	12	0	22.36	22.39	22.30	
5	QPSK	12	7	22.58	22.49	22.56	24
5	QPSK	12	13	22.58	22.53	22.50	
5	QPSK	25	0	22.52	22.51	22.57	
5	16QAM	1	0	22.76	22.73	22.60	24
5	16QAM	1	12	22.51	22.58	22.58	
5	16QAM	1	24	22.56	22.51	22.62	
5	16QAM	12	0	21.33	21.35	21.46	23
5	16QAM	12	7	21.31	21.36	21.33	
5	16QAM	12	13	21.43	21.40	21.42	
5	64QAM	1	0	21.47	21.42	21.32	23
5	64QAM	1	5	21.53	21.48	21.46	
5	64QAM	1	11	21.59	21.61	21.55	
5	64QAM	6	0	21.31	21.51	21.35	22
5	64QAM	6	2	21.38	21.44	21.46	
5	64QAM	6	6	21.33	21.40	21.34	
5	64QAM	12	0	21.37	21.35	21.38	Tune-up limit (dBm)
Channel				23305	23330	23355	

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	23.40	23.53	23.45	25
10	QPSK	1	25	23.39	23.42	23.43	
10	QPSK	1	49	23.29	23.44	23.46	
10	QPSK	25	0	22.40	22.43	22.34	24
10	QPSK	25	12	22.62	22.53	22.60	
10	QPSK	25	25	22.62	22.57	22.54	
10	QPSK	50	0	22.56	22.55	22.61	24
10	16QAM	1	0	22.80	22.77	22.64	
10	16QAM	1	12	22.55	22.62	22.62	
10	16QAM	1	24	22.60	22.55	22.66	23
10	16QAM	25	0	21.28	21.30	21.41	
10	16QAM	25	24	21.26	21.31	21.28	
10	64QAM	1	0	21.42	21.37	21.27	23
10	64QAM	1	5	21.48	21.43	21.41	
10	64QAM	1	11	21.54	21.56	21.50	
10	64QAM	6	0	21.03	21.23	21.07	22
10	64QAM	6	2	21.10	21.16	21.18	
10	64QAM	6	6	21.05	21.12	21.06	
10	64QAM	12	0	21.09	21.07	21.10	
Channel				23795	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.14	23.27	23.19	25
5	QPSK	1	12	23.13	23.16	23.17	
5	QPSK	1	24	23.03	23.18	23.20	
5	QPSK	12	0	22.14	22.17	22.08	24
5	QPSK	12	7	22.36	22.27	22.34	
5	QPSK	12	13	22.36	22.31	22.28	
5	QPSK	25	0	22.30	22.29	22.35	24
5	16QAM	1	0	22.54	22.51	22.38	
5	16QAM	1	12	22.29	22.36	22.36	
5	16QAM	1	24	22.34	22.29	22.40	23
5	16QAM	12	0	21.02	21.04	21.15	
5	16QAM	12	7	21.00	21.05	21.02	
5	16QAM	12	13	21.12	21.09	21.11	23
5	64QAM	1	0	21.16	21.11	21.01	
5	64QAM	1	5	21.22	21.17	21.15	
5	64QAM	1	11	21.28	21.30	21.24	22
5	64QAM	6	0	21.00	21.20	21.04	
5	64QAM	6	2	21.07	21.13	21.15	
5	64QAM	6	6	21.02	21.09	21.03	
5	64QAM	12	0	21.06	21.04	21.07	



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	Tune-up limit (dBm)
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	23.07	23.02	23.11	25
20	QPSK	1	49	22.63	22.72	22.65	
20	QPSK	1	99	22.71	22.70	22.64	
20	QPSK	50	0	21.89	21.71	21.62	24
20	QPSK	50	24	21.65	21.47	21.54	
20	QPSK	50	50	21.65	21.51	21.48	
20	QPSK	100	0	21.59	21.51	21.55	24
20	16QAM	1	0	21.83	21.71	21.58	
20	16QAM	1	12	21.58	21.58	21.56	
20	16QAM	1	24	21.63	21.49	21.60	23
20	16QAM	25	0	21.05	20.98	21.09	
20	16QAM	25	24	21.03	20.99	20.96	
20	16QAM	25	49	21.15	21.03	21.05	23
20	64QAM	1	0	21.19	21.05	20.95	
20	64QAM	1	5	21.25	21.11	21.09	
20	64QAM	1	11	21.31	21.24	21.18	22
20	64QAM	6	0	21.03	21.14	20.98	
20	64QAM	6	2	21.10	21.07	21.09	
20	64QAM	6	6	21.05	21.03	20.97	22
20	64QAM	12	0	21.09	20.98	21.01	
Channel				26115	26365	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	22.66	22.84	22.78	25
15	QPSK	1	37	22.50	22.44	22.45	
15	QPSK	1	74	22.40	22.46	22.48	
15	QPSK	36	0	21.72	21.66	21.65	24
15	QPSK	36	20	21.68	21.50	21.57	
15	QPSK	36	39	21.68	21.54	21.51	
15	QPSK	75	0	21.62	21.52	21.58	24
15	16QAM	1	0	21.86	21.74	21.61	
15	16QAM	1	12	21.61	21.59	21.59	
15	16QAM	1	24	21.66	21.52	21.63	23
15	16QAM	25	0	21.08	21.01	21.12	
15	16QAM	25	24	21.06	21.02	20.99	
15	16QAM	25	49	21.18	21.06	21.08	23
15	64QAM	1	0	21.22	21.08	20.98	
15	64QAM	1	5	21.28	21.14	21.12	
15	64QAM	1	11	21.34	21.27	21.21	22
15	64QAM	6	0	21.06	21.17	21.01	
15	64QAM	6	2	21.13	21.10	21.12	
15	64QAM	6	6	21.08	21.06	21.00	22
15	64QAM	12	0	21.12	21.01	21.04	
Channel				26090	26365	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	22.60	22.78	22.72	25
10	QPSK	1	25	22.44	22.38	22.39	
10	QPSK	1	49	22.34	22.40	22.42	
10	QPSK	25	0	22.10	22.04	22.03	24
10	QPSK	25	12	22.06	21.98	21.95	
10	QPSK	25	25	22.06	21.92	21.89	
10	QPSK	50	0	22.00	21.90	21.96	24
10	16QAM	1	0	22.24	22.12	21.99	
10	16QAM	1	12	21.99	21.97	21.97	
10	16QAM	1	24	22.04	21.90	22.01	23
10	16QAM	25	0	21.02	20.95	21.06	
10	16QAM	25	24	21.00	20.96	20.93	
10	64QAM	1	0	21.16	21.02	20.92	23
10	64QAM	1	5	21.22	21.08	21.06	
10	64QAM	1	11	21.28	21.21	21.15	
10	64QAM	6	0	21.00	21.11	20.95	22
10	64QAM	6	2	21.07	21.04	21.06	
10	64QAM	6	6	21.02	21.00	20.94	
10	64QAM	12	0	21.06	20.95	20.98	Tune-up limit (dBm)
Channel				26065	26365	26665	
Frequency (MHz)				1852.5	1882.5	1912.5	Tune-up limit (dBm)
5	QPSK	1	0	22.51	22.69	22.63	
5	QPSK	1	12	22.35	22.29	22.30	25
5	QPSK	1	24	22.25	22.31	22.33	
5	QPSK	12	0	22.01	21.96	21.94	24
5	QPSK	12	7	21.97	21.79	21.86	
5	QPSK	12	13	21.97	21.83	21.80	
5	QPSK	25	0	21.91	21.81	21.87	24
5	16QAM	1	0	22.15	22.03	21.90	
5	16QAM	1	12	21.90	21.88	21.88	
5	16QAM	1	24	21.95	21.81	21.92	23
5	16QAM	12	0	20.93	20.86	20.97	
5	16QAM	12	7	20.91	20.87	20.84	
5	16QAM	12	13	21.03	20.91	20.93	23
5	16QAM	25	0	21.07	20.92	20.89	
5	64QAM	1	0	21.07	20.93	20.83	
5	64QAM	1	5	21.13	20.99	20.97	23
5	64QAM	1	11	21.19	21.12	21.06	
5	64QAM	6	0	20.91	21.02	20.86	
5	64QAM	6	2	20.98	20.95	20.97	22
5	64QAM	6	6	20.93	20.91	20.85	
5	64QAM	12	0	20.97	20.86	20.89	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	22.48	22.66	22.60	25
3	QPSK	1	8	22.32	22.26	22.27	
3	QPSK	1	14	22.22	22.28	22.30	
3	QPSK	8	0	21.96	21.92	21.91	24
3	QPSK	8	4	21.94	21.76	21.83	
3	QPSK	8	7	21.94	21.80	21.77	
3	QPSK	15	0	21.88	21.78	21.84	24
3	16QAM	1	0	22.12	22.00	21.87	
3	16QAM	1	8	21.87	21.85	21.85	
3	16QAM	1	14	21.92	21.78	21.89	23
3	16QAM	8	0	20.90	20.83	20.94	
3	16QAM	8	4	20.88	20.84	20.81	
3	16QAM	8	7	21.00	20.88	20.90	23
3	16QAM	15	0	21.04	20.89	20.86	
3	64QAM	1	0	21.04	20.90	20.80	
3	64QAM	1	5	21.10	20.96	20.94	23
3	64QAM	1	11	21.16	21.09	21.03	
3	64QAM	6	0	20.88	20.99	20.83	

Band 26 for FCC (dBm) (only on channel required)							
BW (MHz)	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	Tune-up limit (dBm)
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.57	23.68	23.62	25
15	QPSK	1	37	23.36	23.42	23.50	
15	QPSK	1	74	23.32	23.39	23.44	
15	QPSK	36	0	22.32	22.39	22.37	24
15	QPSK	36	20	22.33	22.30	22.25	
15	QPSK	36	39	22.25	22.21	22.24	
15	QPSK	75	0	22.14	22.16	22.13	24
15	16QAM	1	0	22.23	22.13	22.09	
15	16QAM	1	12	22.22	22.40	22.26	
15	16QAM	1	24	22.19	22.20	22.12	23
15	16QAM	25	0	20.97	20.88	20.85	
15	16QAM	25	24	20.89	20.85	20.82	
15	16QAM	25	49	20.97	20.93	20.88	23
15	64QAM	1	0	21.03	21.10	20.99	
15	64QAM	1	5	20.90	20.88	20.94	
15	64QAM	1	11	21.05	20.85	21.01	22
15	64QAM	6	0	20.52	20.45	20.40	
15	64QAM	6	2	20.60	20.40	20.45	
15	64QAM	6	6	20.44	20.45	20.40	22
15	64QAM	12	0	20.45	20.42	20.44	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.47	23.49	23.42	25
10	QPSK	1	25	23.39	23.42	23.31	
10	QPSK	1	49	23.29	23.35	23.23	
10	QPSK	25	0	22.52	22.59	22.57	24
10	QPSK	25	12	22.53	22.50	22.45	
10	QPSK	25	25	22.45	22.41	22.44	
10	QPSK	50	0	22.34	22.36	22.33	24
10	16QAM	1	0	22.43	22.33	22.29	
10	16QAM	1	12	22.42	22.60	22.46	
10	16QAM	1	24	22.39	22.40	22.32	23
10	16QAM	25	0	21.17	21.08	21.25	
10	16QAM	25	24	21.09	21.05	21.02	
10	64QAM	1	0	21.23	21.30	21.19	23
10	64QAM	1	5	21.10	21.08	21.14	
10	64QAM	1	11	21.25	21.05	21.21	
10	64QAM	6	0	21.20	21.13	21.08	22
10	64QAM	6	2	21.28	21.08	21.13	
10	64QAM	6	6	21.12	21.13	21.08	
10	64QAM	12	0	21.13	21.10	21.12	Tune-up limit (dBm)
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	23.39	23.41	23.34	
5	QPSK	1	12	23.31	23.34	23.23	25
5	QPSK	1	24	23.21	23.27	23.15	
5	QPSK	12	0	22.44	22.51	22.49	24
5	QPSK	12	7	22.45	22.42	22.37	
5	QPSK	12	13	22.37	22.33	22.36	
5	QPSK	25	0	22.26	22.28	22.24	24
5	16QAM	1	0	22.35	22.25	22.21	
5	16QAM	1	12	22.34	22.52	22.38	
5	16QAM	1	24	22.31	22.32	22.24	23
5	16QAM	12	0	21.09	21.00	21.17	
5	16QAM	12	7	21.01	20.97	20.94	
5	64QAM	1	0	21.15	21.22	21.11	23
5	64QAM	1	5	21.02	21.00	21.06	
5	64QAM	1	11	21.17	20.97	21.13	
5	64QAM	6	0	21.12	21.05	21.00	22
5	64QAM	6	2	21.20	21.00	21.05	
5	64QAM	6	6	21.04	21.05	21.00	
5	64QAM	12	0	21.05	21.02	21.04	Tune-up limit (dBm)
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	Tune-up limit (dBm)
3	QPSK	1	0	23.36	23.38	23.31	
3	QPSK	1	8	23.28	23.31	23.20	25
3	QPSK	1	14	23.18	23.24	23.12	
3	QPSK	8	8	22.41	22.48	22.46	
3	QPSK	8	0	22.42	22.39	22.44	24
3	QPSK	8	7	22.34	22.30	22.32	
3	QPSK	15	0	22.23	22.25	22.23	
3	16QAM	1	0	22.32	22.22	22.18	24
3	16QAM	1	8	22.31	22.49	22.35	
3	16QAM	1	14	22.28	22.29	22.21	
3	16QAM	8	0	21.06	20.97	21.14	23
3	16QAM	8	4	20.98	20.94	20.91	
3	16QAM	8	7	21.06	21.02	20.97	
3	16QAM	15	0	21.10	20.96	20.93	23
3	64QAM	1	0	21.12	21.19	21.08	
3	64QAM	1	5	20.99	20.97	21.03	
3	64QAM	1	11	21.14	20.94	21.10	22
3	64QAM	6	0	21.09	21.02	20.97	
3	64QAM	6	2	21.17	20.97	21.02	
3	64QAM	6	6	21.01	21.02	20.97	22
3	64QAM	12	0	21.02	20.99	21.01	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.21	23.23	23.16	25
1.4	QPSK	1	3	23.13	23.16	23.05	
1.4	QPSK	1	5	23.03	23.09	22.97	
1.4	QPSK	3	0	22.26	22.33	22.31	24
1.4	QPSK	3	1	22.27	22.24	22.19	
1.4	QPSK	3	3	22.19	22.15	22.18	
1.4	QPSK	6	0	22.08	22.10	22.07	24
1.4	16QAM	1	0	22.17	22.07	22.03	
1.4	16QAM	1	3	22.16	22.34	22.20	
1.4	16QAM	1	5	22.13	22.14	22.06	24
1.4	16QAM	3	0	20.91	20.82	20.99	
1.4	16QAM	3	1	20.83	20.79	20.76	
1.4	16QAM	3	3	20.91	20.87	20.82	23
1.4	16QAM	6	0	20.95	20.81	20.93	
1.4	16QAM	6	0	20.97	21.04	20.78	
1.4	64QAM	1	3	20.84	21.02	20.88	23
1.4	64QAM	1	5	20.99	20.79	20.95	
1.4	64QAM	3	0	20.94	20.87	20.83	



3	64QAM	6	2	20.95	20.92	20.94	22
3	64QAM	6	6	20.90	20.88	20.82	
3	64QAM	12	0	20.94	20.83	20.86	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (Mhz)				1650.7	1682.5	1914.3	
1.4	QPSK	1	0	22.55	22.73	22.67	25
1.4	QPSK	1	3	22.39	22.33	22.34	
1.4	QPSK	1	5	22.29	22.35	22.37	
1.4	QPSK	3	0	22.05	21.99	21.98	
1.4	QPSK	3	1	22.01	21.83	21.90	
1.4	QPSK	3	3	22.01	21.87	21.84	24
1.4	QPSK	6	0	21.95	21.85	21.91	
1.4	16QAM	1	0	22.19	22.07	21.94	
1.4	16QAM	1	3	21.94	21.82	21.82	23
1.4	16QAM	1	5	21.99	21.85	21.96	
1.4	16QAM	3	0	20.97	20.90	21.01	
1.4	16QAM	3	1	20.95	20.91	20.88	
1.4	16QAM	3	3	21.07	20.95	20.97	
1.4	16QAM	6	0	21.11	20.96	20.93	22
1.4	64QAM	1	0	21.11	20.97	20.87	23
1.4	64QAM	1	3	21.17	21.03	21.01	
1.4	64QAM	1	5	21.23	21.16	21.10	
1.4	64QAM	3	0	20.95	21.06	20.90	
1.4	64QAM	3	1	21.02	20.99	21.01	
1.4	64QAM	3	3	20.97	20.95	20.89	22
1.4	64QAM	6	0	21.01	20.90	20.93	

1.4	64QAM	3	1	21.02	20.82	20.87	22
1.4	64QAM	3	3	20.86	20.87	20.82	
1.4	64QAM	6	0	20.87	20.84	20.86	

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	24.02	24.14	24.16	25
20	QPSK	1	49	24.05	24.08	24.09	
20	QPSK	1	99	23.86	24.01	24.03	
20	QPSK	50	0	23.22	23.33	23.17	24
20	QPSK	50	24	23.14	23.05	23.12	
20	QPSK	50	50	23.14	23.09	23.06	
20	QPSK	100	0	23.08	23.07	23.13	24
20	16QAM	1	0	23.32	23.29	23.16	
20	16QAM	1	12	23.07	23.14	23.14	
20	16QAM	1	24	23.12	23.07	23.18	23
20	16QAM	25	0	22.10	22.12	22.23	
20	16QAM	25	24	22.08	22.13	22.10	
20	16QAM	25	49	22.20	22.17	22.19	23
20	64QAM	1	0	22.24	22.19	22.09	
20	64QAM	1	5	22.30	22.25	22.23	
20	64QAM	1	11	22.36	22.38	22.32	22
20	64QAM	6	0	21.60	21.80	21.64	
20	64QAM	6	2	21.67	21.73	21.75	
20	64QAM	6	6	21.62	21.69	21.63	22
20	64QAM	12	0	21.66	21.64	21.67	
Channel				37825	38000	38175	Tune-up limit (dBm)
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	23.98	24.01	23.96	25
15	QPSK	1	37	23.90	23.93	23.94	
15	QPSK	1	74	23.71	23.86	23.88	
15	QPSK	36	0	23.07	23.05	23.02	24
15	QPSK	36	20	22.99	22.90	22.97	
15	QPSK	36	39	22.99	22.94	22.91	
15	QPSK	75	0	22.93	22.92	22.98	24
15	16QAM	1	0	23.17	23.14	23.01	
15	16QAM	1	12	22.92	22.99	22.99	
15	16QAM	1	24	22.97	22.92	23.03	23
15	16QAM	25	0	21.95	21.97	22.08	
15	16QAM	25	24	21.93	21.98	21.95	
15	16QAM	25	49	22.05	22.02	22.04	23
15	64QAM	1	0	22.09	22.04	21.94	
15	64QAM	1	5	22.15	22.10	22.08	
15	64QAM	1	11	22.21	22.23	22.17	22
15	64QAM	6	0	21.55	21.46	21.30	
15	64QAM	6	2	21.33	21.39	21.41	
15	64QAM	6	6	21.38	21.35	21.39	22
15	64QAM	12	0	21.32	21.30	21.33	
Channel				37800	38000	38200	Tune-up limit (dBm)
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.85	23.88	23.83	25
10	QPSK	1	25	23.82	23.85	23.86	
10	QPSK	1	49	23.63	23.78	23.80	
10	QPSK	25	0	22.99	22.97	22.94	24
10	QPSK	25	12	22.91	22.82	22.89	
10	QPSK	25	25	22.91	22.86	22.83	
10	QPSK	50	0	22.85	22.84	22.90	24
10	16QAM	1	0	23.09	23.06	22.93	
10	16QAM	1	12	22.84	22.91	22.91	
10	16QAM	1	24	22.89	22.84	22.95	23
10	16QAM	25	0	21.87	21.89	22.00	
10	16QAM	25	24	21.85	21.90	21.87	
10	64QAM	1	0	22.01	21.96	21.86	23
10	64QAM	1	5	22.07	22.02	22.00	
10	64QAM	1	11	22.13	22.15	22.09	
10	64QAM	6	0	21.09	21.29	21.13	22
10	64QAM	6	2	21.16	21.22	21.24	
10	64QAM	6	6	21.11	21.18	21.12	
10	64QAM	12	0	21.15	21.13	21.16	Tune-up limit (dBm)
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.77	23.80	23.75	25
5	QPSK	1	12	23.69	23.72	23.73	
5	QPSK	1	24	23.50	23.65	23.67	
5	QPSK	12	0	22.86	22.84	22.81	24
5	QPSK	12	7	22.78	22.69	22.76	
5	QPSK	12	13	22.78	22.73	22.70	
5	QPSK	25	0	22.72	22.71	22.77	24
5	16QAM	1	0	22.96	22.93	22.80	
5	16QAM	1	12	22.71	22.78	22.78	
5	16QAM	1	24	22.76	22.71	22.82	23
5	16QAM	12	0	21.74	21.76	21.87	
5	16QAM	12	7	21.72	21.77	21.74	
5	16QAM	12	13	21.84	21.81	21.83	23
5	64QAM	1	0	21.88	21.83	21.73	
5	64QAM	1	5	21.94	21.89	21.87	
5	64QAM	1	11	22.00	22.02	21.96	22
5	64QAM	6	0	20.96	21.16	21.00	
5	64QAM	6	2	21.03	21.09	21.11	
5	64QAM	6	6	20.98	21.05	20.99	22
5	64QAM	12	0	21.02	21.00	21.03	

Band 41 (2496~2690MHz) (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				39750	40185	40620	41055	41490	
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	24.11	24.01	24.17	24.12	23.96	25
20	QPSK	1	49	23.80	23.81	23.72	23.73	23.75	
20	QPSK	1	99	23.72	23.73	23.60	23.65	23.67	
20	QPSK	50	0	22.95	23.03	23.05	23.04	23.03	24
20	QPSK	50	24	22.99	22.97	22.98	22.95	22.85	
20	QPSK	50	50	23.03	22.98	22.92	22.82	22.72	
20	QPSK	100	0	22.97	22.98	23.04	22.92	22.82	24
20	16QAM	1	0	23.33	23.27	23.21	23.22	23.12	
20	16QAM	1	12	23.11	23.21	23.14	23.17	23.07	
20	16QAM	1	24	23.03	23.26	23.12	23.14	23.04	23
20	16QAM	25	0	22.28	22.14	22.08	21.99	21.89	
20	16QAM	25	24	22.11	22.17	22.05	22.02	21.92	
20	16QAM	25	49	21.99	22.02	21.94	21.98	21.88	23
20	64QAM	1	0	22.29	22.20	22.10	22.14	22.04	
20	64QAM	1	5	21.93	22.11	22.02	22.04	21.94	
20	64QAM	1	11	22.06	22.15	22.06	22.09	21.99	22
20	64QAM	6	0	21.82	21.69	21.62	21.46	21.36	
20	64QAM	6	2	21.73	21.72	21.60	21.64	21.54	
20	64QAM	6	6	21.66	21.67	21.56	21.58	21.48	22
20	64QAM	12	0	21.79	21.83	21.74	21.73	21.63	
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	23.76	23.88	24.04	23.95	23.79	25
15	QPSK	1	37	23.77	23.78	23.69	23.70	23.72	
15	QPSK	1	74	23.69	23.70	23.57	23.62	23.64	
15	QPSK	36	0	22.92	23.00	23.17	23.01	22.72	24
15	QPSK	36	20	23.16	23.10	22.95	22.92	22.82	
15	QPSK	36	39	23.10	23.06	22.89	22.79	22.69	
15	QPSK	75	0	23.16	23.11	23.01	22.89	22.79	24
15	16QAM	1	0	23.30	23.24	23.18	23.19	23.09	
15	16QAM	1	12	23.08	23.18	23.11	23.14	23.04	
15	16QAM	1	24	23.00	23.23	23.09	23.11	23.01	23
15	16QAM	25	0	22.25	22.11	22.05	21.96	21.86	
15	16QAM	25	24	22.08	22.14	22.02	21.99	21.89	
15	16QAM	25	49	21.96	21.99	21.91	21.95	21.85	23
15	64QAM	1	0	22.26	22.17	22.07	22.11	22.01	
15	64QAM	1	5	21.90	22.08	21.99	22.01	21.91	
15	64QAM	1	11	22.03	22.12	22.03	22.06	21.96	22
15	64QAM	6	0	21.79	21.66	21.59	21.43	21.33	
15	64QAM	6	2	21.70	21.69	21.57	21.61	21.51	
15	64QAM	6	6	21.63	21.64	21.53	21.55	21.45	22
15	64QAM	12	0	21.76	21.80	21.71	21.70	21.60	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.56	23.68	23.84	23.75	23.59	25
10	QPSK	1	25	23.57	23.58	23.49	23.50	23.52	
10	QPSK	1	49	23.49	23.50	23.37	23.42	23.44	
10	QPSK	25	0	22.72	22.80	22.97	22.81	22.52	24
10	QPSK	25	12	22.96	22.90	22.75	22.72	22.62	
10	QPSK	25	25	22.90	22.86	22.69	22.59	22.49	
10	QPSK	50	0	22.96	22.91	22.81	22.69	22.59	24
10	16QAM	1	0	23.10	23.04	22.98	22.99	22.89	
10	16QAM	1	12	22.88	22.98	22.91	22.94	22.84	
10	16QAM	1	24	22.80	23.03	22.89	22.91	22.81	23
10	16QAM	25	0	22.05	21.91	21.85	21.76	21.66	
10	16QAM	25	24	21.88	21.94	21.82	21.79	21.69	
10	64QAM	1	0	22.06	21.97	21.87	21.91	21.81	23
10	64QAM	1	5	21.70	21.88	21.79	21.81	21.71	
10	64QAM	1	11	21.83	21.92	21.83	21.86	21.76	
10	64QAM	6	0	21.59	21.46	21.39	21.23	21.13	22
10	64QAM	6	2	21.50	21.49	21.37	21.41	21.31	
10	64QAM	6	6	21.43	21.44	21.33	21.35	21.25	
10	64QAM	12	0	21.56	21.60	21.51	21.50	21.40	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2496.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	23.38	23.50	23.66	23.57	23.41	25
5	QPSK	1	12	23.39	23.40	23.31	23.32	23.34	
5	QPSK	1	24	23.31	23.32	23.19	23.24	23.26	
5	QPSK	12	0	22.54	22.62	22.79	22.63	22.34	24
5	QPSK	12	7	22.78	22.72	22.57	22.54	22.44	
5	QPSK	12	13	22.72	22.68	22.51	22.41	22.31	
5	QPSK	25	0	22.78	22.73	22.63	22.51	22.41	24
5	16QAM	1	0	22.92	22.86	22.80	22.81	22.71	
5	16QAM	1	12	22.70	22.80	22.73	22.76	22.66	
5	16QAM	1	24	22.62	22.85	22.71	22.73	22.63	23
5	16QAM	12	0	21.87	21.73	21.67	21.58	21.48	
5	16QAM	12	7	21.70	21.76	21.64	21.61	21.51	
5	16QAM	12	13	21.58	21.61	21.53	21.57	21.47	23
5	64QAM	1	0	21.88	21.79	21.69	21.73	21.63	
5	64QAM	1	5	21.52	21.70	21.61	21.63	21.53	
5	64QAM	1	11	21.65	21.74	21.65	21.68	21.58	23
5	64QAM	6	0	21.41	21.28	21.21	21.05	20.95	
5	64QAM	6	2	21.32	21.31	21.19	21.23	21.13	
5	64QAM	6	6	21.25	21.26	21.15	21.17	21.07	22
5	64QAM	12	0	21.38	21.42	21.33	21.32	21.22	

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	23.38	23.53	23.46	25
20	QPSK	1	49	23.18	23.05	23.11	
20	QPSK	1	99	23.22	23.14	23.06	
20	QPSK	50	0	22.21	22.23	22.14	
20	QPSK	50	24	22.17	21.99	22.06	24
20	QPSK	50	50	22.17	22.03	22.00	
20	QPSK	100	0	22.11	22.13	22.07	
20	16QAM	1	0	22.35	22.23	22.10	
20	16QAM	1	12	22.10	22.08	22.08	24
20	16QAM	1	24	22.15	22.01	22.12	
20	16QAM	25	0	21.57	21.50	21.61	
20	16QAM	25	24	21.55	21.51	21.48	
20	16QAM	25	49	21.67	21.55	21.57	23
20	64QAM	1	0	21.71	21.57	21.47	
20	64QAM	1	5	21.77	21.63	21.61	
20	64QAM	1	11	21.83	21.76	21.70	
20	64QAM	6	0	21.55	21.66	21.50	22
20	64QAM	6	2	21.62	21.59	21.61	
20	64QAM	6	6	21.57	21.55	21.49	
20	64QAM	12	0	21.61	21.50	21.53	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.30	23.28	23.46	25
15	QPSK	1	37	23.10	22.97	23.03	
15	QPSK	1	74	23.14	23.06	22.98	
15	QPSK	36	0	22.13	22.15	22.06	
15	QPSK	36	20	22.09	21.91	21.98	24
15	QPSK	36	39	22.09	21.95	21.92	
15	QPSK	75	0	22.05	22.05	21.99	
15	16QAM	1	0	22.27	22.15	22.02	
15	16QAM	1	12	22.02	22.00	22.00	24
15	16QAM	1	24	22.07	21.93	22.04	
15	16QAM	25	0	21.49	21.42	21.53	
15	16QAM	25	24	21.47	21.43	21.40	
15	16QAM	25	49	21.59	21.47	21.49	23
15	64QAM	1	0	21.63	21.49	21.39	
15	64QAM	1	5	21.69	21.55	21.53	
15	64QAM	1	11	21.75	21.68	21.62	
15	64QAM	6	0	21.47	21.58	21.42	22
15	64QAM	6	2	21.54	21.51	21.53	
15	64QAM	6	6	21.49	21.47	21.41	
15	64QAM	12	0	21.53	21.42	21.45	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.41	23.24	23.38	25
10	QPSK	1	25	23.06	22.93	22.99	
10	QPSK	1	49	23.10	23.02	22.94	
10	QPSK	25	0	22.09	22.11	22.02	
10	QPSK	25	12	22.05	21.97	21.94	24
10	QPSK	25	25	22.05	21.91	21.88	
10	QPSK	50	0	21.99	22.01	21.95	
10	16QAM	1	0	22.23	22.11	21.98	
10	16QAM	1	12	21.98	21.96	21.96	24
10	16QAM	1	24	22.03	21.89	22.00	
10	16QAM	25	0	21.45	21.38	21.49	
10	16QAM	25	24	21.43	21.39	21.36	
10	64QAM	1	0	21.59	21.45	21.35	23
10	64QAM	1	5	21.65	21.51	21.49	
10	64QAM	1	11	21.71	21.64	21.58	
10	64QAM	6	0	21.43	21.54	21.38	
10	64QAM	6	2	21.50	21.47	21.49	22
10	64QAM	6	6	21.45	21.43	21.37	
10	64QAM	12	0	21.49	21.38	21.41	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.32	23.15	23.29	25
5	QPSK	1	12	22.97	22.84	22.90	
5	QPSK	1	24	23.01	22.93	22.85	
5	QPSK	12	0	22.00	22.02	21.93	
5	QPSK	12	6	21.96	21.78	21.85	24
5	QPSK	12	13	21.96	21.82	21.79	
5	QPSK	25	0	21.90	21.92	21.86	
5	16QAM	1	0	22.14	22.02	21.89	
5	16QAM	1	12	21.89	21.87	21.87	24
5	16QAM	1	24	21.94	21.80	21.91	
5	16QAM	12	0	21.36	21.29	21.40	
5	16QAM	12	7	21.34	21.30	21.27	
5	16QAM	12	13	21.46	21.34	21.36	23
5	16QAM	25	0	21.50	21.35	21.32	
5	64QAM	1	0	21.50	21.36	21.26	
5	64QAM	1	5	21.56	21.42	21.40	
5	64QAM	1	11	21.62	21.55	21.49	23
5	64QAM	6	0	21.34	21.45	21.29	
5	64QAM	6	2	21.41	21.38	21.40	
5	64QAM	6	6	21.36	21.34	21.28	
5	64QAM	12	0	21.40	21.29	21.32	22
Channel				131967	132322	132667	
Frequency (MHz)				1711.5	1745	1773.5	
3	QPSK	1	0	23.37	23.20	23.34	
3	QPSK	1	8	23.02	22.89	22.95	25
3	QPSK	1	14	23.06	22.98	22.90	
3	QPSK	8	0	22.05	22.07	21.98	
3	QPSK	8	4	22.01	21.83	21.90	24
3	QPSK	8	7	22.01	21.87	21.84	
3	QPSK	15	0	21.95	21.97	21.91	
3	16QAM	1	0	22.19	22.07	21.94	
3	16QAM	1	8	21.94	21.92	21.92	24
3	16QAM	1	14	21.99	21.85	21.96	
3	16QAM	8	0	21.41	21.34	21.45	
3	16QAM	8	4	21.39	21.35	21.32	
3	16QAM	8	7	21.51	21.39	21.41	23
3	16QAM	15	0	21.55	21.40	21.37	
3	64QAM	1	0	21.55	21.41	21.31	
3	64QAM	1	5	21.61	21.47	21.45	
3	64QAM	1	11	21.67	21.60	21.54	23
3	64QAM	6	0	21.39	21.50	21.34	



3	64QAM	6	2	21.46	21.43	21.45	22
3	64QAM	6	6	21.41	21.39	21.33	
3	64QAM	12	0	21.45	21.34	21.37	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (Mhz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.23	23.26	23.12	25
1.4	QPSK	1	3	22.99	22.86	22.92	
1.4	QPSK	1	5	23.03	22.95	22.87	
1.4	QPSK	3	0	22.02	22.04	21.95	
1.4	QPSK	3	1	21.98	21.80	21.87	
1.4	QPSK	3	3	21.98	21.84	21.81	24
1.4	QPSK	6	0	21.92	21.94	21.88	
1.4	16QAM	1	0	22.16	22.04	21.91	
1.4	16QAM	1	3	21.91	21.89	21.89	24
1.4	16QAM	1	5	21.96	21.82	21.93	
1.4	16QAM	3	0	21.38	21.31	21.42	
1.4	16QAM	3	1	21.36	21.32	21.29	
1.4	16QAM	3	3	21.48	21.36	21.38	
1.4	16QAM	6	0	21.52	21.37	21.34	23
1.4	64QAM	1	0	21.52	21.38	21.28	23
1.4	64QAM	1	3	21.58	21.44	21.42	
1.4	64QAM	1	5	21.64	21.57	21.51	
1.4	64QAM	3	0	21.36	21.47	21.31	
1.4	64QAM	3	1	21.43	21.40	21.42	
1.4	64QAM	3	3	21.38	21.36	21.30	22
1.4	64QAM	6	0	21.42	21.31	21.34	