



REPORT No.: SZ25120053S01

Annex E Conducted Power

Note:

Conducted power unit: dBm.

The target power was recorded in the manufacture document.

Full Power

Band 2 (1900MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	(dBm)
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	22.48	22.50	22.43	23.5
20	QPSK	1	49	22.47	22.49	22.42	
20	QPSK	1	99	22.39	22.46	22.43	
20	QPSK	50	0	21.59	21.71	21.60	22.5
20	QPSK	50	24	21.63	21.57	21.55	
20	QPSK	50	50	21.60	21.63	21.56	
20	QPSK	100	0	21.63	21.64	21.53	22.5
20	16QAM	1	0	21.90	21.81	21.64	
20	16QAM	1	49	21.78	21.87	21.82	
20	16QAM	1	99	21.88	21.65	21.92	21.5
20	16QAM	50	0	20.71	20.66	20.70	
20	16QAM	50	24	20.80	20.65	20.64	
20	16QAM	50	50	20.67	20.70	20.72	21.5
20	16QAM	100	0	20.65	20.67	20.63	
20	64QAM	1	0	20.75	20.89	20.84	
20	64QAM	1	49	20.78	20.82	20.72	21.5
20	64QAM	1	99	20.88	20.76	20.58	
20	64QAM	50	0	20.73	20.62	20.62	
20	64QAM	50	24	20.56	20.57	20.64	21.5
20	64QAM	50	50	20.69	20.62	20.67	
20	64QAM	100	0	20.61	20.64	20.63	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	22.40	22.45	22.36	23.5
15	QPSK	1	37	22.44	22.45	22.39	
15	QPSK	1	74	22.30	22.45	22.42	
15	QPSK	36	0	21.55	21.61	21.50	22.5
15	QPSK	36	20	21.69	21.50	21.51	
15	QPSK	36	39	21.59	21.56	21.47	
15	QPSK	75	0	21.58	21.56	21.43	22.5
15	16QAM	1	0	21.86	21.75	21.58	
15	16QAM	1	37	21.85	21.97	21.77	
15	16QAM	1	74	21.90	22.05	21.91	21.5
15	16QAM	36	0	20.70	20.57	20.64	
15	16QAM	36	20	20.76	20.56	20.56	
15	16QAM	36	39	20.63	20.68	20.70	21.5
15	16QAM	75	0	20.55	20.63	20.62	
15	64QAM	1	0	20.72	20.88	20.79	
15	64QAM	1	37	20.72	20.72	20.67	21.5
15	64QAM	1	74	20.86	20.71	20.52	
15	64QAM	36	0	20.70	20.52	20.55	
15	64QAM	36	20	20.47	20.54	20.57	21.5
15	64QAM	36	39	20.65	20.60	20.59	
15	64QAM	75	0	20.55	20.61	20.62	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	22.47	22.48	22.41	23.5
10	QPSK	1	25	22.40	22.44	22.36	
10	QPSK	1	49	22.31	22.45	22.35	
10	QPSK	25	0	21.53	21.70	21.55	22.5
10	QPSK	25	12	21.61	21.48	21.54	
10	QPSK	25	25	21.51	21.61	21.49	
10	QPSK	50	0	21.54	21.60	21.47	22.5
10	16QAM	1	0	21.84	21.76	21.57	
10	16QAM	1	25	21.84	22.01	21.81	
10	16QAM	1	49	21.86	22.06	21.87	21.5
10	16QAM	25	0	20.63	20.62	20.65	
10	16QAM	25	12	20.72	20.58	20.60	
10	16QAM	25	25	20.66	20.61	20.68	21.5
10	16QAM	50	0	20.64	20.61	20.54	
10	64QAM	1	0	20.65	20.80	20.82	
10	64QAM	1	25	20.76	20.81	20.70	21.5
10	64QAM	1	49	20.83	20.69	20.48	
10	64QAM	25	0	20.72	20.52	20.53	
10	64QAM	25	12	20.48	20.54	20.58	21.5
10	64QAM	25	25	20.65	20.60	20.61	
10	64QAM	50	0	20.54	20.55	20.61	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	22.46	22.46	22.37	23.5
5	QPSK	1	12	22.37	22.39	22.41	
5	QPSK	1	24	22.38	22.44	22.34	
5	QPSK	12	0	21.50	21.66	21.54	22.5
5	QPSK	12	7	21.64	21.52	21.46	
5	QPSK	12	13	21.57	21.57	21.46	
5	QPSK	25	0	21.61	21.60	21.45	22.5
5	16QAM	1	0	21.56	21.55	21.36	
5	16QAM	1	12	21.59	21.75	21.56	
5	16QAM	1	24	21.64	21.75	21.60	21.5
5	16QAM	12	0	20.45	20.35	20.42	
5	16QAM	12	7	20.46	20.36	20.32	
5	16QAM	12	13	20.38	20.38	20.44	21.5
5	16QAM	25	0	20.32	20.34	20.30	
5	64QAM	1	0	20.42	20.62	20.54	
5	64QAM	1	12	20.45	20.53	20.43	21.5
5	64QAM	1	24	20.61	20.49	20.30	
5	64QAM	12	0	20.71	20.61	20.59	
5	64QAM	12	7	20.53	20.50	20.58	21.5
5	64QAM	12	13	20.65	20.53	20.66	
5	64QAM	25	0	20.60	20.61	20.54	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	22.37	22.47	22.33	23.5
3	QPSK	1	8	22.41	22.46	22.37	
3	QPSK	1	14	22.33	22.36	22.34	
3	QPSK	8	0	21.52	21.64	21.56	22.5
3	QPSK	8	4	21.60	21.54	21.53	
3	QPSK	8	7	21.56	21.55	21.53	

Band 4 (AWS Band) (dBm)									
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	22.52	22.56	22.55	23.5		
20	QPSK	1	49	22.46	22.47	22.48			
20	QPSK	1	99	22.38	22.40	22.43			
20	QPSK	50	0	21.60	21.65	21.52	22.5		
20	QPSK	50	24	21.57	21.60	21.61			
20	QPSK	50	50	21.54	21.57	21.63			
20	QPSK	100	0	21.51	21.60	21.55	22.5		
20	16QAM	1	0	21.24	21.49	21.55			
20	16QAM	1	49	21.49	21.55	21.40			
20	16QAM	1	99	21.56	21.55	21.66	21.5		
20	16QAM	50	0	20.62	20.58	20.63			
20	16QAM	50	24	20.65	20.54	20.58			
20	16QAM	50	50	20.70	20.56	20.57	21.5		
20	16QAM	100	0	20.62	20.61	20.59			
20	64QAM	1	0	20.74	20.68	20.72			
20	64QAM	1	49	20.54	20.56	20.72	21.5		
20	64QAM	1	99	20.64	20.65	20.76			

3	QPSK	15	0	21.53	21.55	21.47	22.5
3	16QAM	1	0	21.56	21.56	21.33	
3	16QAM	1	8	21.60	21.74	21.56	
3	16QAM	1	14	21.68	21.77	21.65	21.5
3	16QAM	8	0	20.40	20.33	20.39	
3	16QAM	8	4	20.53	20.33	20.34	
3	16QAM	8	7	20.33	20.39	20.45	21.5
3	16QAM	15	0	20.32	20.35	20.36	
3	64QAM	1	0	20.50	20.58	20.58	
3	64QAM	1	8	20.50	20.52	20.39	21.5
3	64QAM	1	14	20.62	20.47	20.24	
3	64QAM	8	0	20.67	20.52	20.52	
3	64QAM	8	4	20.51	20.50	20.54	21.5
3	64QAM	8	7	20.60	20.54	20.63	
3	64QAM	15	0	20.54	20.56	20.60	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	22.37	22.45	22.34	23.5
1.4	QPSK	1	3	22.37	22.40	22.33	
1.4	QPSK	1	5	22.33	22.44	22.38	
1.4	QPSK	3	0	22.47	22.42	22.47	
1.4	QPSK	3	1	22.46	22.46	22.44	
1.4	QPSK	3	3	22.44	22.48	22.48	22.5
1.4	QPSK	6	0	21.54	21.54	21.43	
1.4	16QAM	1	0	21.57	21.54	21.31	
1.4	16QAM	1	3	21.66	21.74	21.57	22.5
1.4	16QAM	1	5	21.61	21.77	21.67	
1.4	16QAM	3	0	21.39	21.39	21.42	
1.4	16QAM	3	1	21.54	21.33	21.30	
1.4	16QAM	3	3	21.36	21.43	21.38	
1.4	16QAM	6	0	20.34	20.33	20.30	21.5
1.4	64QAM	1	0	20.41	20.56	20.59	21.5
1.4	64QAM	1	3	20.51	20.53	20.45	
1.4	64QAM	1	5	20.57	20.51	20.29	
1.4	64QAM	3	0	20.41	20.34	20.37	
1.4	64QAM	3	1	20.28	20.32	20.38	
1.4	64QAM	3	3	20.38	20.31	20.38	21.5
1.4	64QAM	6	0	20.52	20.54	20.55	

3	QPSK	15	0	21.38	21.50	21.46	22.5
3	16QAM	1	0	21.56	21.83	21.45	
3	16QAM	1	8	21.82	21.91	21.76	
3	16QAM	1	14	21.44	21.44	21.58	21.5
3	16QAM	8	0	20.52	20.45	20.53	
3	16QAM	8	4	20.54	20.47	20.49	
3	16QAM	8	7	20.62	20.44	20.46	21.5
3	16QAM	15	0	20.50	20.49	20.50	
3	64QAM	1	0	20.63	20.59	20.57	
3	64QAM	1	8	20.62	20.62	20.62	21.5
3	64QAM	1	14	20.55	20.51	20.63	
3	64QAM	8	0	20.45	20.43	20.45	
3	64QAM	8	4	20.40	20.43	20.60	21.5
3	64QAM	8	7	20.51	20.45	20.64	
3	64QAM	15	0	20.51	20.46	20.50	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	22.41	22.42	22.42	23.5
1.4	QPSK	1	3	22.35	22.32	22.40	
1.4	QPSK	1	5	22.31	22.34	22.29	
1.4	QPSK	3	0	22.48	22.55	22.40	
1.4	QPSK	3	1	22.43	22.48	22.51	
1.4	QPSK	3	3	22.46	22.46	22.46	22.5
1.4	QPSK	6	0	21.36	21.46	21.41	
1.4	16QAM	1	0	21.62	21.82	21.48	
1.4	16QAM	1	3	21.84	21.91	21.79	22.5
1.4	16QAM	1	5	21.42	21.45	21.55	
1.4	16QAM	3	0	21.54	21.52	21.48	
1.4	16QAM	3	1	21.58	21.42	21.47	
1.4	16QAM	3	3	21.55	21.50	21.47	
1.4	16QAM	6	0	20.56	20.51	20.53	21.5
1.4	64QAM	1	0	20.59	20.56	20.59	21.5
1.4	64QAM	1	3	20.48	20.43	20.64	
1.4	64QAM	1	5	20.56	20.52	20.70	
1.4	64QAM	3	0	20.42	20.42	20.48	
1.4	64QAM	3	1	20.40	20.42	20.60	
1.4	64QAM	3	3	20.46	20.49	20.60	21.5
1.4	64QAM	6	0	20.47	20.48	20.58	

Band 5 (Celluar Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	24
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	23.33	23.34	23.26	
10	QPSK	1	25	23.29	23.32	23.21	23
10	QPSK	1	49	23.21	23.28	23.03	
10	QPSK	25	0	22.36	22.44	22.30	
10	QPSK	25	12	22.43	22.40	22.35	23
10	QPSK	25	25	22.35	22.31	22.34	
10	QPSK	50	0	22.24	22.26	22.23	
10	16QAM	1	0	22.33	22.23	22.19	23
10	16QAM	1	25	22.32	22.50	22.36	
10	16QAM	1	49	22.29	22.30	22.22	
10	16QAM	25	0	21.28	21.19	21.16	22
10	16QAM	25	12	21.20	21.16	21.13	
10	16QAM	25	25	21.28	21.24	21.19	
10	16QAM	50	0	21.32	21.18	21.15	22
10	64QAM	1	0	21.34	21.41	21.30	
10	64QAM	1	25	21.21	21.19	21.25	
10	64QAM	1	49	21.36	21.16	21.32	22
10	64QAM	25	0	21.31	21.24	21.19	
10	64QAM	25	12	21.39	21.19	21.24	
10	64QAM	25	25	21.23	21.24	21.19	22
10	64QAM	50	0	21.24	21.21	21.23	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	24
5	QPSK	1	0	23.30	23.31	23.23	
5	QPSK	1	12	23.26	23.26	23.19	
5	QPSK	1	24	23.16	23.23	22.97	23
5	QPSK	12	0	22.35	22.41	22.17	
5	QPSK	12	7	22.39	22.37	22.32	
5	QPSK	12	13	22.25	22.27	22.24	23
5	QPSK	25	0	22.29	22.27	22.32	
5	16QAM	1	0	22.43	22.34	22.29	
5	16QAM	1	12	22.42	22.62	22.48	23
5	16QAM	1	24	22.41	22.38	22.34	
5	16QAM	12	0	21.34	21.30	21.21	
5	16QAM	12	7	21.28	21.27	21.19	22
5	16QAM	12	13	21.33	21.32	21.26	
5	16QAM	25	0	21.42	21.23	21.20	
5	64QAM	1	0	21.28	21.35	21.28	22
5	64QAM	1	12	21.11	21.18	21.20	
5	64QAM	1	24	21.31	21.07	21.23	
5	64QAM	12	0	21.24	21.20	21.13	22
5	64QAM	12	7	21.35	21.14	21.18	
5	64QAM	12	13	21.15	21.15	21.09	
5	64QAM	25	0	21.33	21.31	21.34	24
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	24
3	QPSK	1	0	23.21	23.29	23.25	
3	QPSK	1	8	23.28	23.26	23.14	
3	QPSK	1	14	23.12	23.21	22.95	23
3	QPSK	8	0	22.29	22.40	22.18	
3	QPSK	8	4	22.39	22.37	22.30	
3	QPSK	8	7	22.11	22.16	22.14	23
3	QPSK	15	0	22.16	22.15	22.19	
3	16QAM	1	0	22.30	22.14	22.15	
3	16QAM	1	8	22.30	22.48	22.29	22
3	16QAM	1	14	22.22	22.20	22.20	
3	16QAM	8	0	21.25	21.13	21.09	
3	16QAM	8	4	21.11	21.13	21.12	22
3	16QAM	8	7	21.22	21.14	21.11	
3	16QAM	15	0	21.28	21.15	21.12	
3	64QAM	1	0	21.26	21.32	21.27	22
3	64QAM	1	8	21.20	21.14	21.24	
3	64QAM	1	14	21.32	21.13	21.29	
3	64QAM	8	0	21.26	21.15	21.15	22
3	64QAM	8	4	21.35	21.18	21.20	
3	64QAM	8	7	21.21	21.15	21.13	
3	64QAM	15	0	21.14	21.20	21.14	24
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	24
1.4	QPSK	1	0	23.31	23.32	23.19	
1.4	QPSK	1	3	23.24	23.24	23.13	
1.4	QPSK	1	5	23.20	23.25	22.98	23
1.4	QPSK	3	0	23.20	23.31	23.05	
1.4	QPSK	3	1	23.26	23.23	23.16	
1.4	QPSK	3	3	23.15	23.19	23.22	23
1.4	QPSK	6	0	22.23	22.13	22.14	
1.4	16QAM	1	0	22.30	22.18	22.11	
1.4	16QAM	1	3	22.30	22.48	22.26	23
1.4	16QAM	1	5	22.28	22.25	22.17	
1.4	16QAM	3	0	22.33	22.26	22.28	
1.4	16QAM	3	1	22.32	22.27	22.21	22
1.4	16QAM	3	3	22.33	22.33	22.31	
1.4	16QAM	6	0	21.44	21.30	21.27	
1.4	64QAM	1	0	21.47	21.49	21.35	22
1.4	64QAM	1	3	21.28	21.25	21.30	
1.4	64QAM	1	5	21.44	21.20	21.44	
1.4	64QAM	3	0	21.38	21.37	21.30	22
1.4	64QAM	3	1	21.45	21.26	21.29	
1.4	64QAM	3	3	21.28	21.28	21.25	
1.4	64QAM	6	0	21.36	21.33	21.33	22

Band 7 (2600MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	22.54	22.60	22.56	23.5
20	QPSK	1	49	22.46	22.53	22.58	
20	QPSK	1	99	22.57	22.58	22.59	
20	QPSK	50	0	21.75	21.88	21.87	22.5
20	QPSK	50	24	21.82	21.87	21.86	
20	QPSK	50	50	21.85	21.84	21.86	
20	QPSK	100	0	21.80	21.81	21.76	22.5
20	16QAM	1	0	21.76	21.70	21.75	
20	16QAM	1	49	21.83	21.82	21.74	
20	16QAM	1	99	21.84	21.89	21.85	21.5
20	16QAM	50	0	20.74	20.89	20.95	
20	16QAM	50	24	20.78	20.83	20.75	
20	16QAM	50	50	20.77	20.88	20.73	21.5
20	16QAM	100	0	20.76	20.81	20.86	
20	64QAM	1	0	20.79	20.83	20.87	
20	64QAM	1	49	20.83	20.89	20.64	21.5
20	64QAM	1	99	20.78	20.65	20.55	
20	64QAM	50	0	20.75	20.79	20.83	
20	64QAM	50	24	20.75	20.88	20.67	21.5
20	64QAM	50	50	20.72	20.87	20.81	
20	64QAM	100	0	20.80	20.79	20.69	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	22.48	22.58	22.52	23.5
15	QPSK	1	37	22.38	22.45	22.50	
15	QPSK	1	74	22.50	22.55	22.57	
15	QPSK	36	0	21.72	21.87	21.79	22.5
15	QPSK	36	20	21.72	21.85	21.80	
15	QPSK	36	39	21.79	21.83	21.84	
15	QPSK	75	0	21.82	21.79	21.74	22.5
15	16QAM	1	0	21.72	21.69	21.67	
15	16QAM	1	37	21.78	21.73	21.73	
15	16QAM	1	74	21.81	21.88	21.75	21.5
15	16QAM	36	0	20.67	20.87	20.94	
15	16QAM	36	20	20.75	20.74	20.70	
15	16QAM	36	39	20.73	20.87	20.66	21.5
15	16QAM	75	0	20.74	20.80	20.85	
15	64QAM	1	0	20.75	20.73	20.85	
15	64QAM	1	37	20.74	20.84	20.60	21.5
15	64QAM	1	74	20.70	20.60	20.53	
15	64QAM	36	0	20.65	20.71	20.74	
15	64QAM	36	20	20.70	20.84	20.64	21.5
15	64QAM	36	39	20.62	20.83	20.80	
15	64QAM	75	0	20.79	20.71	20.67	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	22.42	22.55	22.53	23.5
10	QPSK	1	25	22.42	22.51	22.48	
10	QPSK	1	49	22.49	22.49	22.52	
10	QPSK	25	0	21.67	21.86	21.77	22.5
10	QPSK	25	12	21.77	21.83	21.81	
10	QPSK	25	25	21.80	21.74	21.85	
10	QPSK	50	0	21.89	21.86	21.81	22.5
10	16QAM	1	0	21.68	21.66	21.67	
10	16QAM	1	25	21.79	21.80	21.64	
10	16QAM	1	49	21.78	21.80	21.83	21.5
10	16QAM	25	0	20.72	20.80	20.93	
10	16QAM	25	12	20.75	20.80	20.65	
10	16QAM	25	25	20.74	20.80	20.67	21.5
10	16QAM	50	0	20.71	20.80	20.85	
10	64QAM	1	0	20.78	20.81	20.86	
10	64QAM	1	25	20.74	20.84	20.61	21.5
10	64QAM	1	49	20.74	20.55	20.47	
10	64QAM	25	0	20.66	20.73	20.78	
10	64QAM	25	12	20.71	20.87	20.65	21.5
10	64QAM	25	25	20.69	20.77	20.75	
10	64QAM	50	0	20.73	20.78	20.61	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	22.48	22.59	22.46	23.5
5	QPSK	1	12	22.43	22.49	22.55	
5	QPSK	1	24	22.51	22.54	22.53	
5	QPSK	12	0	21.72	21.84	21.80	22.5
5	QPSK	12	7	21.81	21.85	21.80	
5	QPSK	12	13	21.77	21.80	21.83	
5	QPSK	25	0	21.82	21.85	21.75	22.5
5	16QAM	1	0	21.75	21.61	21.68	
5	16QAM	1	12	21.80	21.77	21.68	
5	16QAM	1	24	21.76	21.87	21.81	21.5
5	16QAM	12	0	20.72	20.79	20.87	
5	16QAM	12	7	20.70	20.79	20.69	
5	16QAM	12	13	20.69	20.79	20.66	21.5
5	16QAM	25	0	20.67	20.71	20.80	
5	64QAM	1	0	20.71	20.78	20.80	
5	64QAM	1	12	20.78	20.87	20.55	21.5
5	64QAM	1	24	20.74	20.63	20.47	
5	64QAM	12	0	20.71	20.71	20.77	
5	64QAM	12	7	20.65	20.82	20.57	21.5
5	64QAM	12	13	20.71	20.82	20.71	
5	64QAM	25	0	20.70	20.74	20.61	

Band 12 (700MHz Low Band) (dBm)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	24
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.29	23.34	23.22	
10	QPSK	1	25	23.22	23.25	23.26	23
10	QPSK	1	49	23.12	23.27	23.29	
10	QPSK	25	0	22.23	22.28	22.27	
10	QPSK	25	12	22.25	22.16	22.23	23
10	QPSK	25	25	22.25	22.20	22.17	
10	QPSK	50	0	22.19	22.18	22.24	
10	16QAM	1	0	22.43	22.40	22.27	23
10	16QAM	1	25	22.18	22.25	22.25	
10	16QAM	1	49	22.23	22.18	22.29	
10	16QAM	25	0	21.21	21.23	21.34	22
10	16QAM	25	12	21.19	21.24	21.21	
10	16QAM	25	25	21.31	21.28	21.30	
10	16QAM	50	0	21.35	21.29	21.26	22
10	64QAM	1	0	21.35	21.30	21.20	
10	64QAM	1	25	21.41	21.36	21.34	
10	64QAM	1	49	21.47	21.49	21.43	22
10	64QAM	25	0	21.19	21.39	21.23	
10	64QAM	25	12	21.26	21.32	21.34	
10	64QAM	25	25	21.21	21.28	21.22	22
10	64QAM	50	0	21.25	21.23	21.26	
Channel				23035	23095	23155	24
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.09	23.24	23.12	
5	QPSK	1	12	23.17	23.24	23.17	23
5	QPSK	1	24	23.11	23.22	23.23	
5	QPSK	12	0	22.20	22.21	22.23	
5	QPSK	12	7	22.16	22.11	22.20	23
5	QPSK	12	13	22.17	22.12	22.16	
5	QPSK	25	0	22.18	22.15	22.20	
5	16QAM	1	0	22.39	22.35	22.17	23
5	16QAM	1	12	22.08	22.23	22.23	
5	16QAM	1	24	22.18	22.17	22.22	
5	16QAM	12	0	21.12	21.21	21.26	22
5	16QAM	12	7	21.18	21.16	21.13	
5	16QAM	12	13	21.23	21.20	21.24	
5	16QAM	25	0	21.33	21.19	21.24	22
5	64QAM	1	0	21.33	21.22	21.16	
5	64QAM	1	12	21.33	21.29	21.32	
5	64QAM	1	24	21.43	21.45	21.33	22
5	64QAM	12	0	21.15	21.34	21.20	
5	64QAM	12	7	21.19	21.29	21.27	
5	64QAM	12	13	21.17	21.23	21.13	22
5	64QAM	25	0	21.24	21.20	21.25	
Channel				23025	23095	23165	24
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.14	23.32	23.20	
3	QPSK	1	8	23.20	23.20	23.25	23
3	QPSK	1	14	23.10	23.26	23.19	
3	QPSK	8	0	22.22	22.22	22.22	
3	QPSK	8	4	22.20	22.06	22.19	23
3	QPSK	8	7	22.16	22.15	22.10	
3	QPSK	15	0	22.13	22.15	22.19	
3	16QAM	1	0	22.36	22.35	22.17	23
3	16QAM	1	8	22.13	22.18	22.23	
3	16QAM	1	14	22.13	22.13	22.27	
3	16QAM	8	0	21.19	21.17	21.32	22
3	16QAM	8	4	21.10	21.14	21.13	
3	16QAM	8	7	21.28	21.24	21.25	
3	16QAM	15	0	21.34	21.24	21.16	22
3	64QAM	1	0	21.31	21.25	21.16	
3	64QAM	1	8	21.38	21.35	21.26	
3	64QAM	1	14	21.40	21.42	21.36	22
3	64QAM	8	0	21.17	21.38	21.13	
3	64QAM	8	4	21.17	21.24	21.30	
3	64QAM	8	7	21.20	21.21	21.16	22
3	64QAM	15	0	21.19	21.17	21.18	
Channel				23017	23095	23173	24
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.13	23.33	23.14	
1.4	QPSK	1	3	23.20	23.19	23.23	23
1.4	QPSK	1	5	23.11	23.17	23.22	
1.4	QPSK	3	0	23.24	23.28	23.28	
1.4	QPSK	3	1	23.29	23.17	23.26	23
1.4	QPSK	3	3	23.21	23.17	23.15	
1.4	QPSK	6	0	22.14	22.14	22.16	
1.4	16QAM	1	0	22.38	22.33	22.25	23
1.4	16QAM	1	3	22.11	22.16	22.18	
1.4	16QAM	1	5	22.22	22.08	22.26	
1.4	16QAM	3	0	22.12	22.22	22.26	22
1.4	16QAM	3	1	22.13	22.15	22.12	
1.4	16QAM	3	3	22.28	22.23	22.26	
1.4	16QAM	6	0	21.29	21.20	21.22	22
1.4	64QAM	1	0	21.33	21.22	21.12	
1.4	64QAM	1	3	21.33	21.28	21.30	
1.4	64QAM	1	5	21.46	21.44	21.37	22
1.4	64QAM	3	0	21.17	21.32	21.22	
1.4	64QAM	3	1	21.17	21.25	21.33	
1.4	64QAM	3	3	21.16	21.24	21.12	22
1.4	64QAM	6	0	21.23	21.13	21.25	

Band 13(700MHz Band) (dBm)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			24
Frequency (MHz)				782			
10	QPSK	1	0		23.37		
10	QPSK	1	25		23.34		23
10	QPSK	1	49		23.24		
10	QPSK	25	0		22.19		
10	QPSK	25	12		22.11		23
10	QPSK	25	25		22.12		
10	QPSK	50	0		22.13		
10	16QAM	1	0		22.28		23
10	16QAM	1	25		22.25		
10	16QAM	1	49		22.36		
10	16QAM	25	0		21.22		22
10	16QAM	25	12		21.22		
10	16QAM	25	25		21.14		
10	16QAM	50	0		21.18		22
10	64QAM	1	0		21.30		
10	64QAM	1	25		21.39		
10	64QAM	1	49		21.33		22
10	64QAM	25	0		21.20		
10	64QAM	25	12		21.17		
10	64QAM	25	25		21.21		22
10	64QAM	50	0		21.12		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.35	23.36	23.33	24
5	QPSK	1	12	23.30	23.26	23.32	
5	QPSK	1	24	23.17	23.14	23.23	
5	QPSK	12	0	22.17	22.13	22.14	23
5	QPSK	12	7	22.12	22.09	22.12	
5	QPSK	12	13	22.11	22.09	22.03	
5	QPSK	25	0	22.03	22.09	22.03	23
5	16QAM	1	0	22.26	22.27	22.26	
5	16QAM	1	12	22.17	22.23	22.17	
5	16QAM	1	24	22.30	22.27	22.28	22
5	16QAM	12	0	21.17	21.18	21.20	
5	16QAM	12	7	21.13	21.14	21.16	
5	16QAM	12	13	21.06	21.09	21.12	22
5	16QAM	25	0	21.15	21.08	21.15	
5	64QAM	1	0	21.28	21.22	21.28	
5	64QAM	1	12	21.30	21.35	21.37	22
5	64QAM	1	24	21.23	21.26	21.23	
5	64QAM	12	0	21.19	21.19	21.10	
5	64QAM	12	7	21.12	21.07	21.14	22
5	64QAM	12	13	21.19	21.17	21.14	
5	64QAM	25	0	21.06	21.09	21.08	

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		23.38		24
10	QPSK	1	25		23.26		
10	QPSK	1	49		23.26		
10	QPSK	25	0		22.39		23
10	QPSK	25	12		22.35		
10	QPSK	25	25		22.34		
10	QPSK	50	0		22.36		23
10	16QAM	1	0		22.55		
10	16QAM	1	25		22.52		
10	16QAM	1	49		22.59		22
10	16QAM	25	0		21.36		
10	16QAM	25	12		21.31		
10	16QAM	25	25		21.32		22
10	16QAM	50	0		21.29		
10	64QAM	1	0		21.56		
10	64QAM	1	25		21.30		22
10	64QAM	1	49		21.46		
10	64QAM	25	0		21.40		
10	64QAM	25	12		21.35		22
10	64QAM	25	25		21.30		
10	64QAM	50	0		21.32		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	Tune-up limit (dBm)
5	QPSK	1	0	23.27	23.37	23.26	24
5	QPSK	1	12	23.18	23.18	23.21	
5	QPSK	1	24	23.22	23.16	23.23	
5	QPSK	12	0	22.13	22.22	22.14	23
5	QPSK	12	7	22.19	22.12	22.14	
5	QPSK	12	13	22.17	22.13	22.16	
5	QPSK	25	0	22.05	22.12	22.15	23
5	16QAM	1	0	22.38	22.32	22.38	
5	16QAM	1	12	22.33	22.29	22.33	
5	16QAM	1	24	22.36	22.37	22.42	22
5	16QAM	12	0	21.28	21.27	21.35	
5	16QAM	12	7	21.24	21.24	21.28	
5	16QAM	12	13	21.23	21.31	21.21	22
5	16QAM	25	0	21.21	21.23	21.22	
5	64QAM	1	0	21.50	21.52	21.46	
5	64QAM	1	12	21.24	21.19	21.28	22
5	64QAM	1	24	21.45	21.40	21.41	
5	64QAM	12	0	21.38	21.31	21.30	
5	64QAM	12	7	21.34	21.32	21.34	22
5	64QAM	12	13	21.27	21.25	21.18	
5	64QAM	25	0	21.28	21.20	21.22	

Band 17 (700MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	Tune-up limit (dBm)
Frequency (MHz)				709	710	711	Tune-up limit (dBm)
10	QPSK	1	0	23.21	23.23	23.08	24
10	QPSK	1	25	23.20	23.22	23.18	
10	QPSK	1	49	23.11	23.19	23.21	
10	QPSK	25	0	22.17	22.18	22.18	23
10	QPSK	25	12	22.14	22.13	22.13	
10	QPSK	25	25	22.15	22.09	22.10	
10	QPSK	50	0	22.16	22.14	22.14	23
10	16QAM	1	0	22.28	22.44	22.11	
10	16QAM	1	25	22.10	22.16	22.21	
10	16QAM	1	49	22.24	22.30	22.32	22
10	16QAM	25	0	21.17	21.21	21.09	
10	16QAM	25	12	21.23	21.25	21.24	
10	16QAM	25	25	21.25	21.19	21.18	22
10	16QAM	50	0	21.10	21.14	21.15	
10	64QAM	1	0	21.15	21.34	21.23	
10	64QAM	1	25	21.38	21.42	21.29	22
10	64QAM	1	49	21.23	21.22	21.20	
10	64QAM	25	0	21.11	21.23	21.12	
10	64QAM	25	12	21.10	21.17	21.14	22
10	64QAM	25	25	21.18	21.21	21.17	
10	64QAM	50	0	21.14	21.10	21.15	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.20	23.21	23.07	24
5	QPSK	1	12	23.13	23.16	23.17	
5	QPSK	1	24	23.08	23.12	23.15	
5	QPSK	12	0	22.10	22.13	22.13	23
5	QPSK	12	7	22.05	22.03	22.05	
5	QPSK	12	13	22.05	22.02	22.08	
5	QPSK	25	0	22.11	22.07	22.09	23
5	16QAM	1	0	22.25	22.34	22.04	
5	16QAM	1	12	22.09	22.09	22.11	
5	16QAM	1	24	22.15	22.23	22.22	22
5	16QAM	12	0	21.14	21.17	21.02	
5	16QAM	12	7	21.15	21.16	21.20	
5	16QAM	12	13	21.24	21.15	21.10	22
5	16QAM	25	0	21.06	21.13	21.06	
5	64QAM	1	0	21.12	21.33	21.19	
5	64QAM	1	12	21.37	21.37	21.21	22
5	64QAM	1	24	21.15	21.21	21.16	
5	64QAM	12	0	21.01	21.16	21.02	
5	64QAM	12	7	21.01	21.12	21.11	22
5	64QAM	12	13	21.15	21.17	21.08	
5	64QAM	25	0	21.05	21.09	21.13	

Band 18 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					23925		
Frequency (MHz)					822.5		
15	QPSK	1	0		23.33		24
15	QPSK	1	37		23.14		
15	QPSK	1	74		23.10		
15	QPSK	36	0		22.23		23
15	QPSK	36	20		22.19		
15	QPSK	36	39		22.17		
15	QPSK	75	0		22.23		23
15	16QAM	1	0		22.43		
15	16QAM	1	37		22.44		
15	16QAM	1	74		22.36		22
15	16QAM	36	0		21.08		
15	16QAM	36	20		21.22		
15	16QAM	36	39		21.19		22
15	16QAM	75	0		21.18		
15	64QAM	1	0		21.41		
15	64QAM	1	25		21.42		22
15	64QAM	1	49		21.36		
15	64QAM	25	0		21.07		
15	64QAM	25	12		21.17		22
15	64QAM	25	25		21.13		
15	64QAM	50	0		21.12		
Channel				23900	23925	23950	Tune-up limit (dBm)
Frequency (MHz)				820	822.5	825	
10	QPSK	1	0	22.92	23.12	23.08	24
10	QPSK	1	25	23.00	23.07	22.89	
10	QPSK	1	49	23.04	23.09	23.03	
10	QPSK	25	0	21.96	22.00	21.99	23
10	QPSK	25	12	22.02	22.15	22.17	
10	QPSK	25	25	22.13	22.13	22.14	
10	QPSK	50	0	21.98	22.02	22.14	23
10	16QAM	1	0	22.46	22.36	22.43	
10	16QAM	1	25	22.30	22.40	22.17	
10	16QAM	1	49	22.24	22.27	22.37	22
10	16QAM	25	0	21.13	21.03	21.05	
10	16QAM	25	12	21.16	21.20	21.09	
10	16QAM	25	25	21.14	21.10	21.08	22
10	16QAM	50	0	21.14	21.10	20.98	
10	64QAM	1	0	21.39	21.37	21.35	
10	64QAM	1	25	21.23	21.32	21.12	22
10	64QAM	1	49	21.12	21.31	21.35	
10	64QAM	25	0	21.00	21.06	20.99	
10	64QAM	25	12	21.09	21.07	21.08	22
10	64QAM	25	25	21.03	21.11	21.03	
10	64QAM	50	0	21.21	21.10	20.94	
Channel				23875	23925	23975	Tune-up limit (dBm)
Frequency (MHz)				817.5	822.5	827.5	
5	QPSK	1	0	23.02	23.12	23.10	24
5	QPSK	1	12	22.90	23.11	22.91	
5	QPSK	1	24	23.00	23.04	22.98	
5	QPSK	12	0	21.96	22.04	22.05	23
5	QPSK	12	7	22.04	22.12	22.10	
5	QPSK	12	13	22.13	22.12	22.13	
5	QPSK	25	0	22.04	21.93	22.19	23
5	16QAM	1	0	22.47	22.37	22.41	
5	16QAM	1	12	22.28	22.40	22.13	
5	16QAM	1	24	22.25	22.31	22.36	22
5	16QAM	12	0	21.03	21.05	20.99	
5	16QAM	12	7	21.24	21.16	21.05	
5	16QAM	12	13	21.09	21.16	21.09	22
5	16QAM	25	0	21.16	21.09	21.04	
5	64QAM	1	0	21.32	21.39	21.32	
5	64QAM	1	12	21.30	21.36	21.10	22
5	64QAM	1	24	21.12	21.33	21.31	
5	64QAM	12	0	21.10	21.06	20.98	
5	64QAM	12	7	21.15	21.14	20.99	22
5	64QAM	12	13	21.01	21.11	21.04	
5	64QAM	25	0	21.15	21.02	21.00	

Band 19 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					24075		
Frequency (MHz)					837.5		
15	QPSK	1	0		23.31		24
15	QPSK	1	37		23.21		
15	QPSK	1	74		23.23		
15	QPSK	36	0		22.32		23
15	QPSK	36	20		22.20		
15	QPSK	36	39		22.31		
15	QPSK	75	0		22.33		23
15	16QAM	1	0		22.48		
15	16QAM	1	37		22.55		
15	16QAM	1	74		22.56		22
15	16QAM	36	0		21.20		
15	16QAM	36	20		21.33		
15	16QAM	36	39		21.35		22
15	16QAM	75	0		21.21		
15	64QAM	1	0		21.52		
15	64QAM	1	25		21.55		22
15	64QAM	1	49		21.61		
15	64QAM	25	0		21.14		
15	64QAM	25	12		21.31		22
15	64QAM	25	25		21.34		
15	64QAM	50	0		21.18		
Channel				24050	24075	24100	Tune-up limit (dBm)
Frequency (MHz)				835	837.5	840	
10	QPSK	1	0	23.12	23.27	23.16	24
10	QPSK	1	25	23.07	23.11	23.02	
10	QPSK	1	49	23.14	23.18	23.21	
10	QPSK	25	0	21.97	22.26	22.20	23
10	QPSK	25	12	22.07	22.08	22.21	
10	QPSK	25	25	22.27	22.24	22.27	
10	QPSK	50	0	22.11	22.19	22.13	23
10	16QAM	1	0	22.38	22.47	22.47	
10	16QAM	1	25	22.41	22.51	22.45	
10	16QAM	1	49	22.45	22.55	22.53	22
10	16QAM	25	0	21.06	21.17	21.18	
10	16QAM	25	12	21.20	21.21	21.19	
10	16QAM	25	25	21.28	21.34	21.30	22
10	16QAM	50	0	21.18	21.18	21.30	
10	64QAM	1	0	21.34	21.42	21.33	
10	64QAM	1	25	21.37	21.52	21.36	22
10	64QAM	1	49	21.41	21.49	21.48	
10	64QAM	25	0	21.04	21.09	21.22	
10	64QAM	25	12	21.19	21.26	21.19	22
10	64QAM	25	25	21.32	21.26	21.28	
10	64QAM	50	0	21.21	21.17	21.28	
Channel				24025	24075	24125	Tune-up limit (dBm)
Frequency (MHz)				832.5	837.5	842.5	
5	QPSK	1	0	23.09	23.27	23.21	24
5	QPSK	1	12	23.13	23.15	23.04	
5	QPSK	1	24	23.21	23.19	23.26	
5	QPSK	12	0	22.03	22.29	22.19	23
5	QPSK	12	7	22.15	22.14	22.14	
5	QPSK	12	13	22.24	22.28	22.20	
5	QPSK	25	0	22.16	22.12	22.19	23
5	16QAM	1	0	22.39	22.42	22.41	
5	16QAM	1	12	22.45	22.51	22.49	
5	16QAM	1	24	22.41	22.50	22.43	22
5	16QAM	12	0	21.13	21.10	21.13	
5	16QAM	12	7	21.22	21.21	21.21	
5	16QAM	12	13	21.24	21.31	21.31	22
5	16QAM	25	0	21.26	21.19	21.32	
5	64QAM	1	0	21.35	21.46	21.39	
5	64QAM	1	12	21.35	21.54	21.37	22
5	64QAM	1	24	21.41	21.59	21.49	
5	64QAM	12	0	20.98	21.10	21.22	
5	64QAM	12	7	21.21	21.19	21.20	22
5	64QAM	12	13	21.24	21.24	21.32	
5	64QAM	25	0	21.21	21.13	21.38	

Band 25 (1900MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	23.5
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	22.50	22.56	22.48	22.5
20	QPSK	1	49	22.37	22.34	22.31	
20	QPSK	1	99	22.35	22.26	22.24	
20	QPSK	50	0	21.39	21.40	21.37	22.5
20	QPSK	50	24	21.36	21.32	21.34	
20	QPSK	50	50	21.35	21.26	21.28	
20	QPSK	100	0	21.34	21.35	21.34	22.5
20	16QAM	1	0	21.27	21.27	21.29	
20	16QAM	1	49	21.36	21.33	21.32	
20	16QAM	1	99	21.18	21.30	21.31	21.5
20	16QAM	50	0	20.39	20.24	20.25	
20	16QAM	50	24	20.29	20.28	20.18	
20	16QAM	50	50	20.24	20.22	20.23	21.5
20	16QAM	100	0	20.23	20.32	20.22	
20	64QAM	1	0	20.30	20.31	20.24	
20	64QAM	1	49	20.25	20.27	20.34	21.5
20	64QAM	1	99	20.32	20.29	20.27	
20	64QAM	50	0	20.28	20.23	20.26	
20	64QAM	50	24	20.28	20.34	20.25	21.5
20	64QAM	50	50	20.19	20.25	20.19	
20	64QAM	100	0	20.34	20.33	20.13	
Channel				26115	26365	26615	23.5
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	22.36	22.35	22.33	22.5
15	QPSK	1	37	22.29	22.30	22.27	
15	QPSK	1	74	22.30	22.20	22.14	
15	QPSK	36	0	21.40	21.16	21.27	22.5
15	QPSK	36	20	21.31	21.24	21.32	
15	QPSK	36	39	21.25	21.20	21.27	
15	QPSK	75	0	21.25	21.25	21.30	22.5
15	16QAM	1	0	21.22	21.16	21.17	
15	16QAM	1	37	21.31	21.21	21.25	
15	16QAM	1	74	21.13	21.27	21.20	21.5
15	16QAM	36	0	20.33	20.23	20.18	
15	16QAM	36	20	20.19	20.17	20.17	
15	16QAM	36	39	20.16	20.18	20.19	21.5
15	16QAM	75	0	20.17	20.30	20.20	
15	64QAM	1	0	20.18	20.21	20.17	
15	64QAM	1	37	20.19	20.15	20.31	21.5
15	64QAM	1	74	20.20	20.24	20.22	
15	64QAM	36	0	20.24	20.19	20.18	
15	64QAM	36	20	20.23	20.24	20.24	21.5
15	64QAM	36	39	20.12	20.21	20.15	
15	64QAM	75	0	20.31	20.28	20.03	
Channel				26090	26365	26640	23.5
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	22.35	22.33	22.33	22.5
10	QPSK	1	25	22.33	22.25	22.22	
10	QPSK	1	49	22.33	22.16	22.21	
10	QPSK	25	0	21.39	21.17	21.18	22.5
10	QPSK	25	12	21.33	21.22	21.26	
10	QPSK	25	25	21.26	21.22	21.23	
10	QPSK	50	0	21.26	21.30	21.32	22.5
10	16QAM	1	0	21.17	21.16	21.28	
10	16QAM	1	25	21.24	21.30	21.21	
10	16QAM	1	49	21.17	21.21	21.21	21.5
10	16QAM	25	0	20.33	20.22	20.19	
10	16QAM	25	12	20.17	20.23	20.10	
10	16QAM	25	25	20.20	20.19	20.11	21.5
10	16QAM	50	0	20.20	20.24	20.13	
10	64QAM	1	0	20.20	20.24	20.15	
10	64QAM	1	25	20.14	20.17	20.23	21.5
10	64QAM	1	49	20.26	20.18	20.22	
10	64QAM	25	0	20.21	20.14	20.14	
10	64QAM	25	12	20.16	20.31	20.19	21.5
10	64QAM	25	25	20.15	20.16	20.13	
10	64QAM	50	0	20.30	20.22	20.11	
Channel				26065	26365	26665	23.5
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	22.32	22.35	22.32	22.5
5	QPSK	1	12	22.26	22.22	22.23	
5	QPSK	1	24	22.28	22.17	22.18	
5	QPSK	12	0	21.39	21.15	21.25	22.5
5	QPSK	12	7	21.32	21.26	21.24	
5	QPSK	12	13	21.31	21.16	21.20	
5	QPSK	25	0	21.33	21.21	21.23	22.5
5	16QAM	1	0	21.16	21.19	21.20	
5	16QAM	1	12	21.30	21.32	21.30	
5	16QAM	1	24	21.12	21.19	21.24	21.5
5	16QAM	12	0	20.37	20.13	20.13	
5	16QAM	12	7	20.19	20.23	20.06	
5	16QAM	12	13	20.16	20.12	20.17	21.5
5	16QAM	25	0	20.19	20.22	20.11	
5	64QAM	1	0	20.20	20.25	20.23	
5	64QAM	1	12	20.21	20.18	20.31	21.5
5	64QAM	1	24	20.30	20.20	20.17	
5	64QAM	12	0	20.24	20.16	20.18	
5	64QAM	12	7	20.23	20.22	20.21	21.5
5	64QAM	12	13	20.17	20.19	20.13	
5	64QAM	25	0	20.28	20.25	20.05	
Channel				26055	26365	26675	23.5
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	22.35	22.36	22.24	23.5
3	QPSK	1	8	22.25	22.27	22.25	
3	QPSK	1	14	22.29	22.24	22.22	
3	QPSK	8	0	21.34	21.18	21.18	22.5
3	QPSK	8	4	21.25	21.27	21.28	
3	QPSK	8	7	21.27	21.14	21.21	
3	QPSK	15	0	21.27	21.21	21.33	22.5
Channel				26055	26365	26675	
Frequency (MHz)				1851.5	1882.5	1913.5	

Band 26 for FCC (dBm)							
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	23.42	23.43	23.38	24
15	QPSK	1	37	23.40	23.34	23.41	
15	QPSK	1	74	23.39	23.41	23.08	
15	QPSK	36	0	22.29	22.32	22.23	23
15	QPSK	36	20	22.25	22.29	22.15	
15	QPSK	36	39	22.30	22.31	22.25	
15	QPSK	75	0	22.27	22.21	22.18	23
15	16QAM	1	0	22.29	22.13	22.27	
15	16QAM	1	37	22.13	22.16	22.14	
15	16QAM	1	74	22.00	22.10	22.05	22
15	16QAM	36	0	21.26	21.27	21.20	
15	16QAM	36	20	20.99	21.20	21.19	
15	16QAM	36	39	21.25	21.28	21.26	22
15	16QAM	75	0	21.31	21.30	21.24	
15	64QAM	1	0	21.16	21.28	21.29	
15	64QAM	1	37	21.32	21.28	21.25	22
15	64QAM	1	74	21.15	21.13	21.01	
15	64QAM	36	0	21.29	21.19	21.23	
15	64QAM	36	20	21.20	21.22	21.11	22
15	64QAM	36	39	21.24	21.26	21.22	
15	64QAM	75	0	21.20	21.30	21.15	
Channel				26740	26865	26990	
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.32	23.40	23.35	24
10	QPSK	1	25	23.34	23.28	23.31	
10	QPSK	1	49	23.35	23.37	23.02	
10	QPSK	25	0	22.23	22.27	22.14	23
10	QPSK	25	12	22.21	22.27	22.07	
10	QPSK	25	25	22.29	22.26	22.17	
10	QPSK	50	0	22.25	22.14	22.51	23
10	16QAM	1	0	22.24	22.12	22.17	
10	16QAM	1	25	22.05	22.14	22.07	
10	16QAM	1	49	21.90	22.01	22.03	22
10	16QAM	25	0	21.16	21.26	21.10	
10	16QAM	25	12	20.98	21.18	21.16	
10	16QAM	25	25	21.17	21.18	21.19	22
10	16QAM	50	0	21.23	21.24	21.19	
10	64QAM	1	0	21.10	21.22	21.27	
10	64QAM	1	25	21.30	21.25	21.16	22
10	64QAM	1	49	21.12	21.12	20.97	
10	64QAM	25	0	21.22	21.13	21.16	
10	64QAM	25	12	21.17	21.21	21.10	22
10	64QAM	25	25	21.15	21.25	21.15	
10	64QAM	50	0	21.13	21.23	21.06	
Channel				26715	26865	27015	
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	23.38	23.41	23.35	24
5	QPSK	1	12	23.35	23.28	23.37	
5	QPSK	1	24	23.31	23.32	23.03	
5	QPSK	12	0	22.19	22.30	22.14	23
5	QPSK	12	7	22.18	22.20	22.07	
5	QPSK	12	13	22.25	22.26	22.20	
5	QPSK	25	0	22.24	22.15	22.49	23
5	16QAM	1	0	22.24	22.09	22.24	
5	16QAM	1	12	22.07	22.14	22.09	
5	16QAM	1	24	21.95	22.03	21.95	22
5	16QAM	12	0	21.25	21.19	21.18	
5	16QAM	12	7	20.96	21.19	21.15	
5	16QAM	12	13	21.23	21.22	21.22	22
5	16QAM	25	0	21.21	21.26	21.20	
5	64QAM	1	0	21.08	21.26	21.22	
5	64QAM	1	12	21.23	21.24	21.16	22
5	64QAM	1	24	21.09	21.08	20.95	
5	64QAM	12	0	21.21	21.12	21.19	
5	64QAM	12	7	21.10	21.20	21.04	22
5	64QAM	12	13	21.15	21.25	21.17	
5	64QAM	25	0	21.12	21.23	21.12	
Channel				26705	26865	27025	
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	23.33	23.37	23.36	24
3	QPSK	1	8	23.32	23.28	23.31	
3	QPSK	1	14	23.36	23.37	22.98	
3	QPSK	8	0	22.23	22.25	22.13	23
3	QPSK	8	4	22.18	22.26	22.05	
3	QPSK	8	7	22.25	22.24	22.21	
3	QPSK	15	0	22.21	22.21	22.56	23
3	16QAM	1	0	22.26	22.03	22.25	
3	16QAM	1	8	22.12	22.11	22.06	
3	16QAM	1	14	21.93	22.00	22.04	22
3	16QAM	8	0	21.21	21.24	21.12	
3	16QAM	8	4	20.96	21.11	21.17	
3	16QAM	8	7	21.18	21.23	21.23	22
3	16QAM	15	0	21.23	21.26	21.14	
3	64QAM	1	0	21.12	21.23	21.28	
3	64QAM	1	8	21.27	21.21	21.22	22
3	64QAM	1	14	21.06	21.03	21.17	
3	64QAM	8	0	21.25	21.16	21.18	
3	64QAM	8	4	21.10	21.14	21.04	22
3	64QAM	8	7	21.21	21.20	21.19	
3	64QAM	15	0	21.18	21.24	21.08	
Channel				26697	26865	27033	
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	23.34	23.38	23.35	24
1.4	QPSK	1	3	23.34	23.33	23.32	
1.4	QPSK	1	5	23.36	23.32	23.28	
1.4	QPSK	3	0	23.42	23.27	23.23	
1.4	QPSK	3	1	23.29	23.30	23.22	
1.4	QPSK	3	3	23.27	23.26	23.23	23
1.4	QPSK	6	0	22.21	22.15	22.15	

3	16QAM	1	0	21.23	21.23	21.28	22.5
3	16QAM	1	8	21.34	21.27	21.27	
3	16QAM	1	14	21.10	21.26	21.28	
3	16QAM	8	0	20.28	20.22	20.20	21.5
3	16QAM	8	4	20.23	20.26	20.07	
3	16QAM	8	7	20.12	20.10	20.22	
3	16QAM	15	0	20.14	20.26	20.13	21.5
3	64QAM	1	0	20.19	20.24	20.21	
3	64QAM	1	8	20.24	20.21	20.30	
3	64QAM	1	14	20.30	20.23	20.17	21.5
3	64QAM	8	0	20.23	20.17	20.24	
3	64QAM	8	4	20.25	20.31	20.22	
3	64QAM	8	7	20.16	20.15	20.15	21.5
3	64QAM	15	0	20.33	20.27	20.09	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.38	22.31	22.27	23.5
1.4	QPSK	1	3	22.27	22.30	22.26	
1.4	QPSK	1	5	22.26	22.16	22.23	
1.4	QPSK	3	0	22.45	22.30	22.40	22.5
1.4	QPSK	3	1	22.41	22.39	22.35	
1.4	QPSK	3	3	22.38	22.29	22.36	
1.4	QPSK	6	0	21.30	21.22	21.23	22.5
1.4	16QAM	1	0	21.15	21.24	21.18	
1.4	16QAM	1	3	21.32	21.27	21.21	
1.4	16QAM	1	5	21.06	21.23	21.30	22.5
1.4	16QAM	3	0	21.27	21.15	21.23	
1.4	16QAM	3	1	21.26	21.27	21.11	
1.4	16QAM	3	3	21.21	21.15	21.16	21.5
1.4	16QAM	6	0	20.11	20.22	20.12	
1.4	64QAM	1	0	20.27	20.24	20.19	
1.4	64QAM	1	3	20.18	20.21	20.29	21.5
1.4	64QAM	1	5	20.29	20.25	20.15	
1.4	64QAM	3	0	20.22	20.20	20.16	
1.4	64QAM	3	1	20.19	20.26	20.18	21.5
1.4	64QAM	3	3	20.12	20.17	20.10	
1.4	64QAM	6	0	20.26	20.28	20.03	

1.4	16QAM	1	0	22.28	22.03	22.25	23
1.4	16QAM	1	3	22.05	22.08	22.09	
1.4	16QAM	1	5	21.96	22.09	21.95	
1.4	16QAM	3	0	22.24	22.17	22.10	22
1.4	16QAM	3	1	22.05	22.10	22.13	
1.4	16QAM	3	3	22.23	22.19	22.23	
1.4	16QAM	6	0	21.27	21.20	21.22	22
1.4	64QAM	1	0	21.11	21.27	21.20	
1.4	64QAM	1	3	21.31	21.22	21.23	
1.4	64QAM	1	5	21.14	21.08	20.94	22
1.4	64QAM	3	0	21.19	21.13	21.17	
1.4	64QAM	3	1	21.17	21.19	21.10	
1.4	64QAM	3	3	21.16	21.21	21.15	22
1.4	64QAM	6	0	21.11	21.23	21.13	

Band 38(only on channel required) (dBm)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.24	23.28	23.26	24
20	QPSK	1	49	23.11	23.24	23.08	
20	QPSK	1	99	23.23	23.20	23.02	23
20	QPSK	50	0	22.18	22.25	22.20	
20	QPSK	50	24	22.21	22.22	22.08	23
20	QPSK	50	50	22.18	22.11	22.04	
20	QPSK	100	0	22.21	22.24	22.11	23
20	16QAM	1	0	22.31	22.32	22.20	
20	16QAM	1	49	22.21	22.24	22.28	22
20	16QAM	1	99	22.13	22.17	22.14	
20	16QAM	50	0	21.18	21.25	21.06	22
20	16QAM	50	24	21.26	21.21	21.23	
20	16QAM	50	50	21.08	21.13	21.06	22
20	16QAM	100	0	21.17	21.18	21.12	
20	64QAM	1	0	21.22	21.29	21.20	22
20	64QAM	1	49	21.04	21.12	21.15	
20	64QAM	1	99	21.11	21.13	21.14	22
20	64QAM	50	0	21.10	21.15	21.10	
20	64QAM	50	24	21.14	21.10	21.06	22
20	64QAM	50	50	21.01	21.08	20.95	
20	64QAM	100	0	20.93	21.11	20.97	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	22.99	23.24	23.15	24
15	QPSK	1	37	23.07	23.21	23.00	
15	QPSK	1	74	23.14	23.10	22.99	23
15	QPSK	36	0	22.20	22.28	22.17	
15	QPSK	36	20	22.29	22.25	22.13	23
15	QPSK	36	39	22.28	22.15	22.13	
15	QPSK	75	0	22.15	22.07	22.09	23
15	16QAM	1	0	22.30	22.28	22.13	
15	16QAM	1	37	22.14	22.17	22.20	22
15	16QAM	1	74	22.10	22.10	22.07	
15	16QAM	36	0	21.17	21.23	20.99	22
15	16QAM	36	20	21.16	21.18	21.20	
15	16QAM	36	39	21.04	21.11	21.04	22
15	16QAM	75	0	21.13	21.09	21.03	
15	64QAM	1	0	21.16	21.19	21.11	22
15	64QAM	1	37	20.96	21.10	21.13	
15	64QAM	1	74	21.10	21.06	21.10	22
15	64QAM	36	0	21.00	21.08	21.00	
15	64QAM	36	20	21.10	21.00	20.98	22
15	64QAM	36	39	20.99	21.06	20.90	
15	64QAM	75	0	20.87	21.10	20.96	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	23.06	23.23	23.11	24
10	QPSK	1	25	23.08	23.22	23.03	
10	QPSK	1	49	23.19	23.12	23.04	23
10	QPSK	25	0	22.23	22.34	22.20	
10	QPSK	25	12	22.30	22.30	22.12	23
10	QPSK	25	25	22.27	22.15	22.09	
10	QPSK	50	0	22.25	22.25	22.20	23
10	16QAM	1	0	22.25	22.27	22.19	
10	16QAM	1	25	22.18	22.18	22.24	22
10	16QAM	1	49	22.10	22.14	22.13	
10	16QAM	25	0	21.12	21.21	21.01	22
10	16QAM	25	12	21.19	21.18	21.20	
10	16QAM	25	25	20.98	21.09	20.97	22
10	16QAM	50	0	21.11	21.12	21.06	
10	64QAM	1	0	21.19	21.28	21.16	22
10	64QAM	1	25	21.03	21.04	21.14	
10	64QAM	1	49	21.09	21.09	21.12	22
10	64QAM	25	0	21.04	21.12	21.08	
10	64QAM	25	12	21.13	21.08	21.02	22
10	64QAM	25	25	20.91	21.00	20.87	
10	64QAM	50	0	20.92	21.08	20.96	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	22.98	23.23	23.16	24
5	QPSK	1	12	23.05	23.22	23.04	
5	QPSK	1	24	23.14	23.15	22.99	23
5	QPSK	12	0	22.21	22.31	22.22	
5	QPSK	12	7	22.19	22.14	22.06	23
5	QPSK	12	13	22.10	22.09	21.94	
5	QPSK	25	0	22.20	22.14	22.07	23
5	16QAM	1	0	22.28	22.31	22.15	
5	16QAM	1	12	22.20	22.22	22.23	22
5	16QAM	1	24	22.12	22.07	22.04	
5	16QAM	12	0	21.13	21.17	21.02	22
5	16QAM	12	7	21.22	21.18	21.19	
5	16QAM	12	13	21.05	21.08	21.03	22
5	16QAM	25	0	21.08	21.11	21.07	
5	64QAM	1	0	21.19	21.27	21.16	22
5	64QAM	1	12	21.00	21.06	21.10	
5	64QAM	1	24	21.07	21.09	21.13	22
5	64QAM	12	0	21.01	21.10	21.09	
5	64QAM	12	7	21.13	21.06	21.05	22
5	64QAM	12	13	20.94	21.01	20.89	
5	64QAM	25	0	20.85	21.01	20.89	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0		22.24		23
10	QPSK	1	25		22.04		
10	QPSK	1	49		21.97		
10	QPSK	25	0		21.29		22
10	QPSK	25	12		21.27		
10	QPSK	25	25		21.23		
10	QPSK	50	0		21.28		22
10	16QAM	1	0		21.41		
10	16QAM	1	25		21.35		
10	16QAM	1	49		21.40		21
10	16QAM	25	0		20.28		
10	16QAM	25	12		20.31		
10	16QAM	25	25		20.16		21
10	16QAM	50	0		20.31		
10	64QAM	1	0		20.34		
10	64QAM	1	25		20.25		21
10	64QAM	1	49		20.29		
10	64QAM	25	0		20.22		
10	64QAM	25	12		20.25		22
10	64QAM	25	25		20.20		
10	64QAM	50	0		20.36		
Channel				38725	38750	38775	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	22.09	22.15	22.04	23
5	QPSK	1	12	21.92	21.93	21.70	
5	QPSK	1	24	21.85	21.86	21.70	
5	QPSK	12	0	21.34	21.38	21.29	22
5	QPSK	12	7	21.22	21.16	21.01	
5	QPSK	12	13	21.16	21.12	20.95	
5	QPSK	25	0	21.22	21.17	21.07	22
5	16QAM	1	0	21.36	21.30	21.24	
5	16QAM	1	12	21.14	21.24	21.17	
5	16QAM	1	24	21.06	21.29	21.15	21
5	16QAM	12	0	20.31	20.17	20.11	
5	16QAM	12	7	20.14	20.20	20.08	
5	16QAM	12	13	20.02	20.05	19.97	21
5	16QAM	25	0	20.14	20.20	20.14	
5	64QAM	1	0	20.32	20.23	20.13	
5	64QAM	1	12	19.96	20.14	20.05	21
5	64QAM	1	24	20.09	20.18	20.09	
5	64QAM	12	0	20.24	20.11	20.04	
5	64QAM	12	7	20.15	20.14	20.02	22
5	64QAM	12	13	20.08	20.09	19.98	
5	64QAM	25	0	20.21	20.25	20.16	

Band 40 (2.3G Band-2) (dBm) Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			
10	QPSK	1	0		22.28		23
10	QPSK	1	25		22.10		
10	QPSK	1	49		22.03		
10	QPSK	25	0		21.31		22
10	QPSK	25	12		20.93		
10	QPSK	25	25		20.89		
10	QPSK	50	0		20.94		22
10	16QAM	1	0		21.07		
10	16QAM	1	25		21.01		
10	16QAM	1	49		21.06		21
10	16QAM	25	0		20.27		
10	16QAM	25	12		20.30		
10	16QAM	25	25		20.15		21
10	16QAM	50	0		20.30		
10	64QAM	1	0		20.33		
10	64QAM	1	25		20.24		21
10	64QAM	1	49		20.28		
10	64QAM	25	0		20.21		
10	64QAM	25	12		20.24		22
10	64QAM	25	25		20.19		
10	64QAM	50	0		20.35		
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	21.97	22.05	22.00	23
5	QPSK	1	12	21.99	22.00	21.77	
5	QPSK	1	24	21.92	21.93	21.70	
5	QPSK	12	0	21.15	21.23	21.17	22
5	QPSK	12	7	21.13	21.07	20.92	
5	QPSK	12	13	21.07	21.03	20.86	
5	QPSK	25	0	21.13	21.08	20.98	22
5	16QAM	1	0	21.15	21.09	21.03	
5	16QAM	1	12	20.93	21.03	20.96	
5	16QAM	1	24	20.85	21.08	20.94	21
5	16QAM	12	0	20.43	20.29	20.23	
5	16QAM	12	7	20.26	20.32	20.20	
5	16QAM	12	13	20.14	20.17	20.09	21
5	16QAM	25	0	20.26	20.32	20.26	
5	64QAM	1	0	20.44	20.35	20.25	
5	64QAM	1	12	20.08	20.26	20.17	21
5	64QAM	1	24	20.21	20.30	20.21	
5	64QAM	12	0	20.36	20.23	20.16	
5	64QAM	12	7	20.27	20.26	20.14	22
5	64QAM	12	13	20.20	20.21	20.10	
5	64QAM	25	0	20.33	20.37	20.28	

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)				2500	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.20	23.11	23.26	23.10	23.09	24
20	QPSK	1	49	23.11	23.18	23.01	23.03	22.99	
20	QPSK	1	99	23.20	23.05	23.16	23.06	22.98	23
20	QPSK	50	0	22.43	22.38	22.44	22.29	22.41	
20	QPSK	50	24	22.39	22.36	22.30	22.15	22.12	23
20	QPSK	50	50	22.41	22.30	22.26	22.09	21.99	
20	QPSK	100	0	22.40	22.36	22.31	22.21	22.09	23
20	16QAM	1	0	22.48	22.50	22.44	22.38	22.39	
20	16QAM	1	49	22.41	22.28	22.38	22.31	22.34	22
20	16QAM	1	99	22.34	22.20	22.43	22.29	22.31	
20	16QAM	50	0	21.49	21.45	21.31	21.25	21.16	22
20	16QAM	50	24	21.43	21.28	21.34	21.22	21.19	
20	16QAM	50	50	21.40	21.16	21.19	21.11	21.15	22
20	16QAM	100	0	21.31	21.28	21.34	21.28	21.29	
20	64QAM	1	0	21.39	21.46	21.37	21.27	21.31	22
20	64QAM	1	49	21.38	21.10	21.28	21.19	21.21	
20	64QAM	1	99	21.32	21.23	21.32	21.23	21.26	22
20	64QAM	50	0	21.44	21.38	21.25	21.18	21.02	
20	64QAM	50	24	21.34	21.29	21.28	21.16	21.20	22
20	64QAM	50	50	21.21	21.22	21.23	21.12	21.14	
20	64QAM	100	0	21.40	21.35	21.39	21.30	21.29	
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	23.15	23.00	23.25	23.04	23.00	24
15	QPSK	1	37	23.10	23.08	22.99	22.98	23.00	
15	QPSK	1	74	23.11	22.99	23.06	23.01	22.97	23
15	QPSK	36	0	22.32	22.30	22.40	22.22	22.16	
15	QPSK	36	20	22.28	22.28	22.26	22.06	22.06	23
15	QPSK	36	39	22.40	22.29	22.23	22.00	21.97	
15	QPSK	75	0	22.31	22.30	22.23	22.11	22.02	23
15	16QAM	1	0	22.44	22.38	22.33	22.26	22.33	
15	16QAM	1	37	22.32	22.21	22.36	22.21	22.24	22
15	16QAM	1	74	22.30	22.08	22.33	22.26	22.19	
15	16QAM	36	0	21.42	21.37	21.23	21.15	21.11	22
15	16QAM	36	20	21.42	21.19	21.28	21.13	21.16	
15	16QAM	36	39	21.29	21.04	21.10	21.04	21.14	22
15	16QAM	75	0	21.27	21.22	21.33	21.19	21.26	
15	64QAM	1	0	21.28	21.35	21.31	21.17	21.21	22
15	64QAM	1	37	21.35	21.02	21.24	21.07	21.12	
15	64QAM	1	74	21.29	21.20	21.21	21.12	21.22	22
15	64QAM	36	0	21.32	21.37	21.15	21.15	20.97	
15	64QAM	36	20	21.23	21.17	21.18	21.07	21.16	22
15	64QAM	36	39	21.16	21.18	21.15	21.11	21.10	
15	64QAM	75	0	21.33	21.26	21.27	21.23	21.27	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.11	23.06	23.21	23.04	23.00	24
10	QPSK	1	25	23.03	23.08	22.97	23.03	22.99	
10	QPSK	1	49	23.16	23.00	23.06	23.04	23.01	23
10	QPSK	25	0	22.39	22.31	22.36	22.24	22.10	
10	QPSK	25	12	22.38	22.27	22.29	22.13	22.02	23
10	QPSK	25	25	22.40	22.21	22.24	22.06	21.97	
10	QPSK	50	0	22.36	22.28	22.30	22.12	22.04	23
10	16QAM	1	0	22.44	22.39	22.35	22.26	22.32	
10	16QAM	1	25	22.35	22.25	22.28	22.27	22.25	22
10	16QAM	1	49	22.31	22.14	22.42	22.25	22.25	
10	16QAM	25	0	21.38	21.41	21.23	21.20	21.07	22
10	16QAM	25	12	21.40	21.24	21.29	21.18	21.08	
10	16QAM	25	25	21.33	21.09	21.12	21.10	21.05	22
10	16QAM	50	0	21.21	21.22	21.30	21.25	21.27	
10	64QAM	1	0	21.34	21.39	21.27	21.20	21.25	22
10	64QAM	1	25	21.35	21.00	21.20	21.14	21.12	
10	64QAM	1	49	21.20	21.15	21.24	21.22	21.16	22
10	64QAM	25	0	21.33	21.35	21.15	21.11	21.01	
10	64QAM	25	12	21.30	21.22	21.18	21.14	21.18	22
10	64QAM	25	25	21.20	21.11	21.20	21.09	21.07	
10	64QAM	50	0	21.39	21.33	21.35	21.20	21.25	
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	23.09	23.00	23.23	23.02	23.08	24
5	QPSK	1	12	23.09	23.08	23.01	23.00	23.04	
5	QPSK	1	24	23.15	22.98	23.04	23.02	23.03	23
5	QPSK	12	0	22.39	22.32	22.37	22.23	22.11	
5	QPSK	12	7	22.31	22.35	22.22	22.08	22.06	23
5	QPSK	12	13	22.29	22.21	22.19	22.06	21.98	
5	QPSK	25	0	22.29	22.34	22.24	22.11	21.98	23
5	16QAM	1	0	22.38	22.42	22.38	22.37	22.37	
5	16QAM	1	12	22.31	22.19	22.27	22.22	22.27	22
5	16QAM	1	24	22.23	22.17	22.31	22.28	22.21	
5	16QAM	12	0	21.38	21.34	21.27	21.13	21.05	22
5	16QAM	12	7	21.32	21.22	21.27	21.21	21.10	
5	16QAM	12	13	21.32	21.08	21.12	21.01	21.07	22
5	16QAM	25	0	21.26	21.26	21.29	21.26	21.23	
5	64QAM	1	0	21.33	21.36	21.29	21.19	21.22	22
5	64QAM	1	12	21.27	21.00	21.21	21.07	21.17	
5	64QAM	1	24	21.22	21.13	21.30	21.19	21.24	22
5	64QAM	12	0	21.37	21.32	21.22	21.06	21.00	
5	64QAM	12	7	21.22	21.24	21.16	21.08	21.10	22
5	64QAM	12	13	21.12	21.12	21.12	21.08	21.05	
5	64QAM	25	0	21.32	21.27	21.34	21.19	21.26	

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	23.5
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	22.60	22.63	22.54	
20	QPSK	1	49	22.32	22.44	22.29	22.5
20	QPSK	1	99	22.40	22.40	22.37	
20	QPSK	50	0	21.45	21.50	21.48	
20	QPSK	50	24	21.38	21.46	21.45	22.5
20	QPSK	50	50	21.49	21.44	21.46	
20	QPSK	100	0	21.45	21.50	21.47	
20	16QAM	1	0	21.75	21.70	21.72	22.5
20	16QAM	1	49	21.62	21.71	21.48	
20	16QAM	1	99	21.56	21.63	21.71	
20	16QAM	50	0	20.42	20.35	20.34	21.5
20	16QAM	50	24	20.54	20.49	20.37	
20	16QAM	50	50	20.47	20.46	20.43	
20	16QAM	100	0	20.48	20.45	20.35	21.5
20	64QAM	1	0	20.71	20.68	20.69	
20	64QAM	1	49	20.59	20.69	20.43	
20	64QAM	1	99	20.50	20.63	20.64	21.5
20	64QAM	50	0	20.39	20.34	20.34	
20	64QAM	50	24	20.46	20.44	20.36	
20	64QAM	50	50	20.39	20.40	20.40	21.5
20	64QAM	100	0	20.50	20.39	20.28	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	23.5
15	QPSK	1	0	22.22	22.42	22.38	
15	QPSK	1	37	22.30	22.37	22.19	
15	QPSK	1	74	22.34	22.39	22.33	22.5
15	QPSK	36	0	21.23	21.27	21.26	
15	QPSK	36	20	21.29	21.42	21.44	
15	QPSK	36	39	21.40	21.40	21.41	22.5
15	QPSK	75	0	21.25	21.29	21.41	
15	16QAM	1	0	21.73	21.63	21.70	
15	16QAM	1	37	21.57	21.67	21.44	22.5
15	16QAM	1	74	21.51	21.54	21.64	
15	16QAM	36	0	20.40	20.30	20.32	
15	16QAM	36	20	20.43	20.47	20.36	21.5
15	16QAM	36	39	20.41	20.37	20.35	
15	16QAM	75	0	20.41	20.37	20.25	
15	64QAM	1	0	20.66	20.64	20.62	21.5
15	64QAM	1	37	20.50	20.59	20.39	
15	64QAM	1	74	20.39	20.58	20.62	
15	64QAM	36	0	20.27	20.33	20.26	21.5
15	64QAM	36	20	20.36	20.34	20.35	
15	64QAM	36	39	20.30	20.38	20.30	
15	64QAM	75	0	20.48	20.37	20.21	23.5
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	23.5
10	QPSK	1	0	22.32	22.42	22.40	
10	QPSK	1	25	22.20	22.41	22.21	
10	QPSK	1	49	22.30	22.34	22.28	22.5
10	QPSK	25	0	21.23	21.31	21.32	
10	QPSK	25	12	21.31	21.39	21.37	
10	QPSK	25	25	21.40	21.39	21.40	22.5
10	QPSK	50	0	21.31	21.20	21.46	
10	16QAM	1	0	21.74	21.64	21.68	
10	16QAM	1	25	21.55	21.67	21.40	22.5
10	16QAM	1	49	21.52	21.58	21.63	
10	16QAM	25	0	20.30	20.32	20.26	
10	16QAM	25	12	20.51	20.43	20.32	21.5
10	16QAM	25	25	20.36	20.43	20.36	
10	16QAM	50	0	20.43	20.36	20.31	
10	64QAM	1	0	20.59	20.66	20.59	21.5
10	64QAM	1	25	20.57	20.63	20.37	
10	64QAM	1	49	20.39	20.60	20.58	
10	64QAM	25	0	20.37	20.33	20.25	21.5
10	64QAM	25	12	20.42	20.41	20.26	
10	64QAM	25	25	20.28	20.38	20.31	
10	64QAM	50	0	20.42	20.29	20.27	23.5
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	23.5
5	QPSK	1	0	22.28	22.45	22.39	
5	QPSK	1	12	22.29	22.36	22.23	
5	QPSK	1	24	22.35	22.32	22.32	22.5
5	QPSK	12	0	21.31	21.34	21.32	
5	QPSK	12	7	21.32	21.42	21.36	
5	QPSK	12	13	21.43	21.40	21.39	22.5
5	QPSK	25	0	21.27	21.26	21.46	
5	16QAM	1	0	21.69	21.66	21.69	
5	16QAM	1	12	21.50	21.67	21.42	22.5
5	16QAM	1	24	21.49	21.60	21.61	
5	16QAM	12	0	20.37	20.25	20.28	
5	16QAM	12	7	20.48	20.42	20.27	21.5
5	16QAM	12	13	20.35	20.44	20.39	
5	16QAM	25	0	20.47	20.42	20.30	
5	64QAM	1	0	20.61	20.60	20.66	21.5
5	64QAM	1	12	20.47	20.66	20.40	
5	64QAM	1	24	20.41	20.55	20.62	
5	64QAM	12	0	20.36	20.25	20.28	21.5
5	64QAM	12	7	20.44	20.41	20.28	
5	64QAM	12	13	20.37	20.39	20.36	
5	64QAM	25	0	20.38	20.38	20.23	23.5
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	23.5
3	QPSK	1	0	22.28	22.38	22.35	
3	QPSK	1	8	22.20	22.38	22.25	
3	QPSK	1	14	22.30	22.31	22.36	22.5
3	QPSK	8	0	22.24	22.22	22.25	
3	QPSK	8	4	21.34	21.37	21.37	
3	QPSK	8	7	21.40	21.40	21.37	22.5
3	QPSK	15	0	21.29	21.20	21.37	

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	24
Frequency (MHz)				673	683	688	
20	QPSK	1	0	23.31	23.44	23.37	
20	QPSK	1	49	23.28	23.34	23.27	23
20	QPSK	1	99	23.39	23.36	23.40	
20	QPSK	50	0	22.11	22.19	22.15	
20	QPSK	50	24	22.04	22.07	22.11	23
20	QPSK	50	50	22.15	22.18	22.16	
20	QPSK	100	0	22.10	22.20	22.12	
20	16QAM	1	0	22.31	22.35	22.35	23
20	16QAM	1	49	22.33	22.42	22.40	
20	16QAM	1	99	22.36	22.43	22.41	
20	16QAM	50	0	21.03	21.07	21.12	22
20	16QAM	50	24	21.18	21.20	21.17	
20	16QAM	50	50	21.17	21.22	21.19	
20	16QAM	100	0	21.16	21.08	21.22	22
20	64QAM	1	0	21.25	21.39	21.30	
20	64QAM	1	49	21.27	21.42	21.34	
20	64QAM	1	99	21.37	21.48	21.38	22
20	64QAM	50	0	20.97	21.01	21.11	
20	64QAM	50	24	21.18	21.18	21.17	
20	64QAM	50	50	21.21	21.21	21.21	22
20	64QAM	100	0	21.18	21.05	21.26	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	24
15	QPSK	1	0	23.25	23.40	23.29	
15	QPSK	1	37	23.20	23.24	23.15	
15	QPSK	1	74	23.27	23.31	23.34	23
15	QPSK	36	0	21.84	22.13	22.07	
15	QPSK	36	20	21.94	21.95	22.08	
15	QPSK	36	39	22.14	22.11	22.14	23
15	QPSK	75	0	21.98	22.06	22.00	
15	16QAM	1	0	22.25	22.34	22.34	
15	16QAM	1	37	22.28	22.38	22.32	23
15	16QAM	1	74	22.32	22.42	22.40	
15	16QAM	36	0	20.93	21.04	21.05	
15	16QAM	36	20	21.07	21.08	21.06	22
15	16QAM	36	39	21.15	21.21	21.17	
15	16QAM	75	0	21.05	21.05	21.17	
15	64QAM	1	0	21.21	21.29	21.20	22
15	64QAM	1	37	21.24	21.39	21.23	
15	64QAM	1	74	21.28	21.36	21.35	
15	64QAM	36	0	20.91	20.96	21.09	22
15	64QAM	36	20	21.06	21.13	21.06	
15	64QAM	36	39	21.19	21.13	21.15	
15	64QAM	75	0	21.08	21.04	21.15	24
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	24
10	QPSK	1	0	23.22	23.40	23.34	
10	QPSK	1	25	23.26	23.28	23.17	
10	QPSK	1	49	23.34	23.32	23.39	23
10	QPSK	25	0	21.90	22.16	22.06	
10	QPSK	25	12	22.02	22.01	22.01	

3	16QAM	1	0	21.70	21.67	21.62	22.5
3	16QAM	1	8	21.58	21.63	21.46	
3	16QAM	1	14	21.44	21.60	21.70	
3	16QAM	8	0	20.32	20.32	20.27	21.5
3	16QAM	8	4	20.45	20.42	20.35	
3	16QAM	8	7	20.39	20.38	20.42	
3	16QAM	15	0	20.38	20.36	20.30	21.5
3	64QAM	1	0	20.70	20.61	20.68	
3	64QAM	1	8	20.57	20.64	20.41	
3	64QAM	1	14	20.45	20.57	20.54	21.5
3	64QAM	8	0	20.30	20.32	20.24	
3	64QAM	8	4	20.45	20.34	20.35	
3	64QAM	8	7	20.35	20.30	20.34	21.5
3	64QAM	15	0	20.46	20.33	20.22	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	22.27	22.43	22.39	23.5
1.4	QPSK	1	3	22.30	22.38	22.27	
1.4	QPSK	1	5	22.31	22.39	22.27	
1.4	QPSK	3	0	22.41	22.39	22.53	23.5
1.4	QPSK	3	1	22.44	22.46	22.42	
1.4	QPSK	3	3	22.49	22.46	22.43	
1.4	QPSK	6	0	21.33	21.20	21.44	22.5
1.4	16QAM	1	0	21.67	21.63	21.62	22.5
1.4	16QAM	1	3	21.54	21.66	21.39	
1.4	16QAM	1	5	21.54	21.61	21.65	
1.4	16QAM	3	0	21.31	21.53	21.32	21.5
1.4	16QAM	3	1	21.51	21.48	21.34	
1.4	16QAM	3	3	21.38	21.41	21.40	
1.4	16QAM	6	0	20.41	20.37	20.38	21.5
1.4	64QAM	1	0	20.67	20.60	20.59	21.5
1.4	64QAM	1	3	20.51	20.67	20.40	
1.4	64QAM	1	5	20.48	20.55	20.58	
1.4	64QAM	3	0	20.41	20.36	20.32	21.5
1.4	64QAM	3	1	20.35	20.40	20.34	
1.4	64QAM	3	3	20.35	20.36	20.39	
1.4	64QAM	6	0	20.47	20.34	20.26	21.5

CA_7C													
Combination:20MHz+20MHz(100RB+100RB)													
PCC Channel	PCC Channel (3GPP)	UL Fre. (MHz)	SCC Channel	UL Fre. (MHz)	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
						RB Size	RB Offset	RB Size	RB Offset				
20850	20850	2510	21048	2529.8	QPSK	1	0	0	0	1	0	22.58	23.50
21100	21001	2525.1	21199	2544.9	QPSK	1	0	0	0	1	0	22.60	23.50
21350	21152	2540.2	21350	2560	QPSK	1	0	0	0	1	0	22.54	23.50
20850	20850	2510	21048	2529.8	16QAM	1	0	0	0	1	0	21.53	22.50
21100	21001	2525.1	21199	2544.9	16QAM	1	0	0	0	1	0	21.55	22.50
21350	21152	2540.2	21350	2560	16QAM	1	0	0	0	1	0	21.49	22.50
20850	20850	2510	21048	2529.8	64QAM	1	0	0	0	1	0	20.55	21.50
21100	21001	2525.1	21199	2544.9	64QAM	1	0	0	0	1	0	20.53	21.50
21350	21152	2540.2	21350	2560	64QAM	1	0	0	0	1	0	20.49	21.50
20850	20850	2510	21048	2529.8	QPSK	50	0	0	0	1	0	21.55	22.50
21100	21001	2525.1	21199	2544.9	QPSK	50	0	0	0	1	0	21.57	22.50
21350	21152	2540.2	21350	2560	QPSK	50	0	0	0	1	0	21.51	22.50

CA_41C													
Combination:20MHz+20MHz(100RB+100RB)													
PCC Channel	PCC Channel (3GPP)	UL Fre. (MHz)	SCC Channel	UL Fre. (MHz)	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
						RB Size	RB Offset	RB Size	RB Offset				
39750	39750	2506	39948	2525.8	QPSK	1	0	0	0	1	0	23.12	24.00
40620	40521	2583.1	40719	2602.9	QPSK	1	0	0	0	1	0	23.22	24.00
41490	41292	2660.2	41490	2680	QPSK	1	0	0	0	1	0	23.15	24.00
39750	39750	2506	39948	2525.8	16QAM	1	0	0	0	1	0	22.18	23.00
40620	40521	2583.1	40719	2602.9	16QAM	1	0	0	0	1	0	22.22	23.00
41490	41292	2660.2	41490	2680	16QAM	1	0	0	0	1	0	22.19	23.00
39750	39750	2506	39948	2525.8	64QAM	1	0	0	0	1	0	20.16	21.00
40620	40521	2583.1	40719	2602.9	64QAM	1	0	0	0	1	0	20.23	21.00
41490	41292	2660.2	41490	2680	64QAM	1	0	0	0	1	0	20.20	21.00
39750	39750	2506	39948	2525.8	QPSK	50	0	0	0	1	0	22.20	23.00
40620	40521	2583.1	40719	2602.9	QPSK	50	0	0	0	1	0	22.21	23.00
41490	41292	2660.2	41490	2680	QPSK	50	0	0	0	1	0	22.18	23.00

2CC LTE Downlink												
Configure	CA Configuration	PCC					SCC				Power	
		Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	UL Channel	UL Fre. (MHz)	Measured Power(dBm)	Tune-up limit(dBm)
	CA_2C	2	20	18901	1880.1	QPSK/1#0	2	20	18703	1860.3	22.51	23.5
	CA_2A-2A	2	10	18650	1855	QPSK/1#0	2	10	18900	1880	22.42	23.5
	CA_2A-4A	2	20	18700	1860	QPSK/1#0	4	20	20300	1745	22.35	23.5
	CA_2A-5A	2	20	18700	1860	QPSK/1#0	5	10	20600	844	22.39	23.5
	CA_2A-12A	2	20	18700	1860	QPSK/1#0	12	10	23155	713.5	22.33	23.5
	CA_2A-13A	2	20	18700	1860	QPSK/1#0	13	10	23230	782	22.41	23.5
	CA_2A-14A	2	20	18700	1860	QPSK/1#0	14	10	23330	793	22.36	23.5
	CA_2A-17A	2	20	18700	1860	QPSK/1#0	17	10	23790	710	22.28	23.5
	CA_2A-66A	2	20	18700	1860	QPSK/1#0	66	20	132572	1770	22.34	23.5
	CA_2A-71A	2	20	18700	1860	QPSK/1#0	71	20	133372	688	22.33	23.5
	CA_4A-4A	4	10	20000	1715	QPSK/1#0	4	10	20175	1732.5	22.33	23.5
	CA_4A-5A	4	10	20175	1732.5	QPSK/1#0	5	10	20450	829	22.21	23.5
	CA_4A-12A	4	10	20175	1747.5	QPSK/1#0	12	10	23130	711	22.25	23.5
	CA_4A-13A	4	10	20175	1747.5	QPSK/1#0	13	10	23230	782	22.24	23.5
	CA_4A-17A	4	10	20175	1747.5	QPSK/1#0	17	10	23790	710	22.32	23.5
	CA_4A-71A	4	10	20175	829	QPSK/1#0	71	20	133372	688	22.10	23.5
	CA_5B	5	10	20476	831.6	QPSK/1#0	5	10	20575	841.5	23.22	24
	CA_5A-5A	5	10	20450	829	QPSK/1#0	5	10	20600	844	23.25	24
	CA_5A-7A	5	10	20450	2535	QPSK/1#0	7	20	21350	2560	23.29	24
	CA_5A-40A	5	10	20450	829	QPSK/1#0	40	20	39150	2350	23.22	24
	CA_5A-41A	5	10	20450	829	QPSK/1#0	41	20	40620	2593	23.21	24
	CA_5A-66A	5	10	20450	829	QPSK/1#0	66	20	132572	1770	23.22	24
	CA_7A-7A	7	20	27410	723	QPSK/1#0	7	20	21350	2560	22.42	23.5
	CA_12A-66A	12	10	23130	711	QPSK/1#0	66	20	132572	1770	23.52	24
	CA_13A-66A	13	10	23230	782	QPSK/1#0	66	20	132572	1770	23.34	24
	CA_14A-66A	14	10	23330	793	QPSK/1#0	66	20	132572	1770	23.42	24
	CA_25A-25A	25	10	26090	1855	QPSK/1#0	25	10	26365	1882.5	22.52	23.5
	CA_25A-26A	25	10	26365	1882.5	QPSK/1#0	26	10	26990	844	22.45	23.5
	CA_26A-41A	26	15	26865	831.5	QPSK/1#0	41	20	40620	2593	23.41	24
	CA_38C	38	20	37901	2585.1	QPSK/1#0	38	20	38099	2604.9	23.20	24
	CA_40A-40A	40	20	38750	2310	QPSK/1#0	40	20	39550	2390	23.22	24
	CA_41A-41A	41	20	39750	2506	QPSK/1#0	41	20	41490	2680	23.18	24
	CA_66B	66	10	132322	1745	QPSK/1#0	66	10	132421	1754.9	22.25	23.5
	CA_66C	66	20	132322	1745	QPSK/1#0	66	20	132520	1764.8	22.31	23.5
	CA_66A-66A	66	10	132022	1715	QPSK/1#0	66	10	132322	1745	22.34	23.5
	CA_66A-71A	66	20	132422	1755	QPSK/1#0	71	10	133422	693	22.33	23.5

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	20.66	21.50	20.00	99.10
		CH 7	2442	19.73	20.50	20.00	
		CH 13	2472	19.75	20.50	20.00	
	802.11g 6Mbps	CH 1	2412	19.55	20.50	19.00	98.37
		CH 7	2442	18.96	19.50	19.00	
		CH 13	2472	19.02	20.00	19.00	
	802.11n-HT20 MCS0	CH 1	2412	18.28	19.00	18.00	98.25
		CH 7	2442	17.79	18.50	18.00	
		CH 13	2472	17.75	18.50	18.00	
	802.11n-HT40 MCS0	CH 3	2422	18.11	19.00	18.00	94.96
		CH 7	2442	19.07	20.00	18.00	
		CH 11	2462	18.02	19.00	18.00	

5.2GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	17.52	18.50	17.00	99.04
		CH 44	5220	17.42	18.00	17.00	
		CH 48	5240	17.37	18.00	17.00	
	802.11n-HT20 MCS0	CH 36	5180	17.39	18.00	17.00	97.94
		CH 44	5220	17.38	18.00	17.00	
		CH 48	5240	17.36	18.00	17.00	
	802.11n-HT40 MCS0	CH 38	5190	18.10	19.00	17.00	97.94
		CH 46	5230	17.99	18.50	17.00	
		CH 36	5180	17.36	18.00	17.00	
	802.11ac-VHT20 MCS0	CH 44	5220	17.39	18.00	17.00	98.97
		CH 48	5240	17.34	18.00	17.00	
		CH 38	5190	18.10	19.00	17.00	
	802.11ac-VHT40 MCS0	CH 46	5230	17.96	18.50	17.00	95.92
		CH 38	5190	18.10	19.00	17.00	
		CH 42	5210	17.83	18.50	17.00	

5.8GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	17.05	18.00	17.00	98.08
		CH 157	5785	15.51	16.50	17.00	
		CH 165	5825	14.11	15.00	17.00	
	802.11n-HT20 MCS0	CH 149	5745	17.28	18.00	17.00	98.97
		CH 157	5785	15.40	16.00	17.00	
		CH 165	5825	13.92	14.50	17.00	
	802.11n-HT40 MCS0	CH 151	5755	18.04	19.00	17.00	95.92
		CH 159	5795	15.95	16.50	17.00	
		CH 149	5745	17.27	18.00	17.00	
	802.11ac-VHT20 MCS0	CH 157	5785	15.40	16.00	17.00	97.96
		CH 165	5825	13.95	14.50	17.00	
		CH 151	5755	17.98	18.50	17.00	
	802.11ac-VHT40 MCS0	CH 159	5795	15.94	16.50	17.00	95.92
		CH 155	5775	16.76	17.50	17.00	
		CH 155	5775	16.76	17.50	17.00	

Mode	Channel	Frequency (MHz)	1Mbps		2Mbps		3Mbps	
			Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit	Average power (dBm)	Tune-up Limit
BR / EDR	CH 00	2402	6.62	7.50	4.46	5.00	4.30	5.00
	CH 39	2441	4.82	5.50	3.33	4.00	3.17	4.00
	CH 78	2480	5.35	6.00	3.45	4.00	3.65	4.50
Duty Cycle %			77.01		77.07		77.12	

Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-up Limit	Duty Cycle %
BLE	CH 00	2402	5.57	6.50	62.91
	CH 19	2440	4.42	5.00	62.88
	CH 39	2480	4.81	5.50	62.96

Reduced Power Level 1

Band 2 (1900MHz Band) (dBm)										
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	13.98	14.00	13.93	15			
20	QPSK	1	49	13.97	13.99	13.92				
20	QPSK	1	99	13.89	13.96	13.93				
20	QPSK	50	0	13.09	13.21	13.10				
20	QPSK	50	24	13.13	13.07	13.05				
20	QPSK	50	50	13.10	13.13	13.06	14			
20	QPSK	100	0	13.13	13.14	13.03				
20	16QAM	1	0	13.40	13.31	13.14				
20	16QAM	1	49	13.28	13.37	13.32				
20	16QAM	1	99	13.38	13.15	13.42				
20	16QAM	50	0	12.21	12.16	12.20	13			
20	16QAM	50	24	12.30	12.15	12.14				
20	16QAM	50	50	12.17	12.20	12.22				
20	16QAM	100	0	12.15	12.17	12.13				
20	64QAM	1	0	12.25	12.39	12.34				
20	64QAM	1	49	12.28	12.32	12.22	13			
20	64QAM	1	99	12.38	12.26	12.08				
20	64QAM	50	0	12.23	12.12	12.12				
20	64QAM	50	24	12.06	12.07	12.14				
20	64QAM	50	50	12.19	12.12	12.17				
20	64QAM	100	0	12.11	12.14	12.13	13			
Channel				18675	18900	19125		Tune-up limit (dBm)		
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	13.90	13.95	13.86		15		
15	QPSK	1	37	13.94	13.95	13.89				
15	QPSK	1	74	13.80	13.95	13.92				
15	QPSK	36	0	13.05	13.11	13.00				
15	QPSK	36	20	13.19	13.00	13.01				
15	QPSK	36	39	13.09	13.06	12.97	14			
15	QPSK	75	0	13.08	13.06	12.93				
15	16QAM	1	0	13.36	13.25	13.08				
15	16QAM	1	37	13.35	13.47	13.27				
15	16QAM	1	74	13.40	13.55	13.41				
15	16QAM	36	0	12.20	12.07	12.14	13			
15	16QAM	36	20	12.26	12.06	12.06				
15	16QAM	36	39	12.13	12.18	12.20				
15	16QAM	75	0	12.05	12.13	12.12				
15	64QAM	1	0	12.22	12.38	12.29				
15	64QAM	1	37	12.22	12.22	12.17	13			
15	64QAM	1	74	12.36	12.21	12.02				
15	64QAM	36	0	12.20	12.02	12.05				
15	64QAM	36	20	11.97	12.04	12.07				
15	64QAM	36	39	12.15	12.10	12.09				
15	64QAM	75	0	12.05	12.11	12.12	13			
Channel				18650	18900	19150	Tune-up limit (dBm)			
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	13.97	13.98	13.91	15			
10	QPSK	1	25	13.90	13.94	13.86				
10	QPSK	1	49	13.81	13.95	13.85				
10	QPSK	25	0	13.03	13.20	13.05				
10	QPSK	25	12	13.11	12.98	13.04				
10	QPSK	25	25	13.01	13.11	12.99	14			
10	QPSK	50	0	13.04	13.10	12.97				
10	16QAM	1	0	13.34	13.26	13.07				
10	16QAM	1	25	13.34	13.51	13.31				
10	16QAM	1	49	13.36	13.56	13.37				
10	16QAM	25	0	12.13	12.12	12.15	13			
10	16QAM	25	12	12.22	12.08	12.10				
10	16QAM	25	25	12.16	12.11	12.18				
10	16QAM	50	0	12.14	12.11	12.04				
10	64QAM	1	0	12.15	12.30	12.32				
10	64QAM	1	25	12.26	12.31	12.20	13			
10	64QAM	1	49	12.33	12.19	11.98				
10	64QAM	25	0	12.22	12.02	12.03				
10	64QAM	25	12	11.98	12.04	12.08				
10	64QAM	25	25	12.15	12.10	12.11				
10	64QAM	50	0	12.04	12.05	12.11	13			
Channel				18625	18900	19175	Tune-up limit (dBm)			
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	13.96	13.96	13.87	15			
5	QPSK	1	12	13.87	13.89	13.91				
5	QPSK	1	24	13.88	13.94	13.84				
5	QPSK	12	0	13.00	13.16	13.04				
5	QPSK	12	7	13.14	13.02	12.96				
5	QPSK	12	13	13.07	13.07	12.96	14			
5	QPSK	25	0	13.11	13.10	12.95				
5	16QAM	1	0	13.06	13.05	12.86				
5	16QAM	1	12	13.09	13.25	13.06				
5	16QAM	1	24	13.14	13.25	13.10				
5	16QAM	12	0	11.95	11.85	11.92	13			
5	16QAM	12	7	11.96	11.86	11.82				
5	16QAM	12	13	11.88	11.88	11.94				
5	16QAM	25	0	11.82	11.84	11.80				
5	64QAM	1	0	11.92	12.12	12.04				
5	64QAM	1	12	11.95	12.03	11.93	13			
5	64QAM	1	24	12.11	11.99	11.80				
5	64QAM	12	0	12.21	12.11	12.09				
5	64QAM	12	7	12.03	12.00	12.08				
5	64QAM	12	13	12.15	12.03	12.16				
5	64QAM	25	0	12.10	12.11	12.04	14			
Channel				18615	18900	19185	Tune-up limit (dBm)			
Frequency (MHz)				1851.5	1880	1908.5				
3	QPSK	1	0	13.87	13.97	13.83	15			
3	QPSK	1	8	13.91	13.96	13.87				
3	QPSK	1	14	13.83	13.86	13.84				
3	QPSK	8	0	13.02	13.14	13.06				
3	QPSK	8	4	13.10	13.04	13.03				
3	QPSK	8	7	13.06	13.05	13.03	14			

Band 4 (AWS Band) (dBm)								
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	14.02	14.06	14.05	15	
20	QPSK	1	49	13.96	13.97	13.98		
20	QPSK	1	99	13.88	13.90	13.93		
20	QPSK	50	0	13.10	13.15	13.02		
20	QPSK	50	24	13.07	13.10	13.11		
20	QPSK	50	50	13.04	13.07	13.13	14	
20	QPSK	100	0	13.01	13.10	13.05		
20	16QAM	1	0	12.74	12.99	13.05		
20	16QAM	1	49	12.99	13.05	12.90		
20	16QAM	1	99	13.06	13.05	13.16		
20	16QAM	50	0	12.12	12.08	12.13	13	
20	16QAM	50	24	12.15	12.04	12.08		
20	16QAM	50	50	12.20	12.06	12.07		
20	16QAM	100	0	12.12	12.11	12.09		
20	64QAM	1	0	12.24	12.18	12.22		
20	64QAM	1	49	12.04	12.06	12.22	13	
20	64QAM	1	99	12.14	12.15	12.26		
20	64QAM	50	0	12.06	12.03	12.04		
20	64QAM	50	24	12.05	12.07	12.20	13	
20	64QAM	50	50	12.09	12.06	12.24		
20	64QAM	100	0	12.07	12.04	12.15		
Channel				20025	20175	20325	Tune-up limit (dBm)	
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	13.93	13.94	13.91	15	
15	QPSK	1	37	13.86	13.82	13.91		
15	QPSK	1	74	13.77	13.80	13.84		
15	QPSK	36	0	12.95	13.04	12.95		
15	QPSK	36	20	12.99	12.99	13.02		
15	QPSK	36	39	12.93	12.93	13.01	14	
15	QPSK	75	0	12.88	13.01	12.95		
15	16QAM	1	0	13.08	13.27	12.90		
15	16QAM	1	37	13.36	13.31	13.31		
15	16QAM	1	74	12.98	12.99	13.05		
15	16QAM	36	0	11.99	12.02	12.05	14	
15	16QAM	36	20	12.03	11.98	12.02		
15	16QAM	36	39	12.08	11.92	12.01		
15	16QAM	75	0	12.04	12.05	12.02		
15	64QAM	1	0	12.12	12.11	12.07		
15	64QAM	1	37	12.09	12.12	12.11	13	
15	64QAM	1	74	11.99	12.05	12.20		
15	64QAM	36	0	12.00	11.95	11.97		
15	64QAM	36	20	11.95	11.92	12.08		
15	64QAM	36	39	11.94	11.97	12.13		
15	64QAM	75	0	11.97	11.90	12.08	13	
Channel				20000	20175	20350		Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	13.90	13.99	13.94		15
10	QPSK	1	25	13.84	13.86	13.86		
10	QPSK	1	49	13.79	13.76	13.79		
10	QPSK	25	0	12.96	13.07	12.89		
10	QPSK	25	12	12.94	13.02	13.03		
10	QPSK	25	25	12.93	12.99	13.06	14	
10	QPSK	50	0	12.88	12.96	12.98		
10	16QAM	1	0	13.09	13.32	12.99		
10	16QAM	1	25	13.30	13.38	13.26		
10	16QAM	1	49	13.14	12.98	13.06		
10	16QAM	25	0	12.03	11.96	12.04	14	
10	16QAM	25	12	12.09	11.89	11.97		
10	16QAM	25	25	12.10	11.99	11.96		
10	16QAM	50	0	12.06	11.99	12.00		
10	64QAM	1	0	12.09	12.05	12.13		
10	64QAM	1	25	11.98	11.99	12.16	13	
10	64QAM	1	49	12.04	12.01	12.16		
10	64QAM	25	0	11.98	11.95	11.97		
10	64QAM	25	12	11.97	11.95	12.12		
10	64QAM	25	25	11.98	11.94	12.09		
10	64QAM	50	0	11.92	11.91	12.06	13	
Channel				19975	20175	20375		Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	13.89	13.95	13.92		15
5	QPSK	1	12	13.87	13.83	13.84		
5	QPSK	1	24	13.80	13.80	13.80		
5	QPSK	12	0	13.00	13.09	12.87		
5	QPSK	12	7	12.94	13.04	12.96		
5	QPSK	12	13	12.90	12.92	12.99	14	
5	QPSK	25	0	12.91	13.02	12.91		
5	16QAM	1	0	13.06	13.39	12.97		
5	16QAM	1	12	13.36	13.40	13.25		
5	16QAM	1	24	12.98	12.91	13.06		
5	16QAM	12	0	11.98	12.00	12.03	13	
5	16QAM	12	7	12.00	11.91	11.97		
5	16QAM	12	13	12.12	11.99	11.93		
5	16QAM	25	0	12.00	12.00	11.94		
5	64QAM	1	0	12.18	12.12	12.10		
5	64QAM	1	12	12.09	12.13	12.13	13	
5	64QAM	1	24	12.08	12.04	12.19		
5	64QAM	12	0	11.91	11.92	11.96		
5	64QAM	12	7	11.97	11.99	12.09		
5	64QAM	12	13	11.97	11.95	12.18		
5	64QAM	25	0	11.92	11.91	12.09	13	
Channel				19965	20175	20385		Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	13.89	13.98	13.92		15
3	QPSK	1	8	13.90	13.83	13.92		
3	QPSK	1	14	13.76	13.81	13.84		
3	QPSK	8	0	12.95	13.05	12.94		
3	QPSK	8	4	12.95	13.03	13.03		
3	QPSK	8	7	12.90	13.00	12.98	14	

3	QPSK	15	0	13.03	13.05	12.97	14
3	16QAM	1	0	13.06	13.06	12.83	
3	16QAM	1	8	13.10	13.24	13.06	
3	16QAM	1	14	13.16	13.27	13.15	13
3	16QAM	8	0	11.90	11.83	11.89	
3	16QAM	8	4	12.03	11.83	11.84	
3	16QAM	8	7	11.83	11.89	11.95	13
3	16QAM	15	0	11.82	11.85	11.86	
3	64QAM	1	0	12.00	12.08	12.08	
3	64QAM	1	8	12.00	12.02	11.89	13
3	64QAM	1	14	12.12	11.97	11.74	
3	64QAM	8	0	12.17	12.02	12.02	
3	64QAM	8	4	12.01	12.00	12.04	13
3	64QAM	8	7	12.10	12.04	12.13	
3	64QAM	15	0	12.04	12.06	12.10	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	13.87	13.95	13.84	15
1.4	QPSK	1	3	13.87	13.90	13.83	
1.4	QPSK	1	5	13.83	13.94	13.88	
1.4	QPSK	3	0	13.97	13.92	13.97	14
1.4	QPSK	3	1	13.96	13.96	13.94	
1.4	QPSK	3	3	13.94	13.98	13.98	
1.4	QPSK	6	0	13.04	13.04	12.93	14
1.4	16QAM	1	0	13.07	13.04	12.81	
1.4	16QAM	1	3	13.16	13.24	13.07	
1.4	16QAM	1	5	13.11	13.27	13.17	14
1.4	16QAM	3	0	12.89	12.89	12.92	
1.4	16QAM	3	1	13.04	12.83	12.80	
1.4	16QAM	3	3	12.86	12.93	12.88	13
1.4	16QAM	6	0	11.84	11.83	11.80	
1.4	64QAM	1	0	11.91	12.06	12.09	
1.4	64QAM	1	3	12.01	12.03	11.95	13
1.4	64QAM	1	5	12.07	12.01	11.79	
1.4	64QAM	3	0	11.91	11.84	11.87	
1.4	64QAM	3	1	11.78	11.82	11.88	13
1.4	64QAM	3	3	11.88	11.81	11.88	
1.4	64QAM	6	0	12.02	12.04	12.05	

3	QPSK	15	0	12.88	13.00	12.96	14
3	16QAM	1	0	13.06	13.33	12.95	
3	16QAM	1	8	13.32	13.41	13.26	
3	16QAM	1	14	12.94	12.94	13.08	13
3	16QAM	8	0	12.02	11.95	12.03	
3	16QAM	8	4	12.04	11.97	11.99	
3	16QAM	8	7	12.12	11.94	11.96	13
3	16QAM	15	0	12.00	11.99	12.00	
3	64QAM	1	0	12.13	12.09	12.07	
3	64QAM	1	8	12.12	12.12	12.12	13
3	64QAM	1	14	12.05	12.01	12.13	
3	64QAM	8	0	11.95	11.93	11.95	
3	64QAM	8	4	11.90	11.93	12.10	13
3	64QAM	8	7	12.01	11.95	12.14	
3	64QAM	15	0	12.01	11.96	12.00	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	13.91	13.92	13.92	15
1.4	QPSK	1	3	13.85	13.82	13.90	
1.4	QPSK	1	5	13.81	13.84	13.79	
1.4	QPSK	3	0	13.98	14.05	13.90	14
1.4	QPSK	3	1	13.93	13.98	14.01	
1.4	QPSK	3	3	13.96	13.96	13.96	
1.4	QPSK	6	0	12.86	12.96	12.91	14
1.4	16QAM	1	0	13.12	13.32	12.98	
1.4	16QAM	1	3	13.34	13.41	13.29	
1.4	16QAM	1	5	12.92	12.95	13.05	14
1.4	16QAM	3	0	13.04	13.02	12.98	
1.4	16QAM	3	1	13.08	12.92	12.97	
1.4	16QAM	3	3	13.05	13.00	12.97	13
1.4	16QAM	6	0	12.06	12.01	12.03	
1.4	64QAM	1	0	12.09	12.06	12.09	
1.4	64QAM	1	3	11.98	11.93	12.14	13
1.4	64QAM	1	5	12.06	12.02	12.20	
1.4	64QAM	3	0	11.92	11.92	11.98	
1.4	64QAM	3	1	11.90	11.92	12.10	13
1.4	64QAM	3	3	11.96	11.99	12.10	
1.4	64QAM	6	0	11.97	11.98	12.08	

Band 5 (Celluar Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	22
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	21.33	21.34	21.26	
10	QPSK	1	25	21.29	21.32	21.21	21
10	QPSK	1	49	21.21	21.28	21.03	
10	QPSK	25	0	20.36	20.44	20.30	
10	QPSK	25	12	20.43	20.40	20.35	21
10	QPSK	25	25	20.35	20.31	20.34	
10	QPSK	50	0	20.24	20.26	20.23	
10	16QAM	1	0	20.33	20.23	20.19	21
10	16QAM	1	25	20.32	20.50	20.36	
10	16QAM	1	49	20.29	20.30	20.22	
10	16QAM	25	0	19.28	19.19	19.16	20
10	16QAM	25	12	19.20	19.16	19.13	
10	16QAM	25	25	19.28	19.24	19.19	
10	16QAM	50	0	19.32	19.18	19.15	20
10	64QAM	1	0	19.34	19.41	19.30	
10	64QAM	1	25	19.21	19.19	19.25	
10	64QAM	1	49	19.36	19.16	19.32	20
10	64QAM	25	0	19.31	19.24	19.19	
10	64QAM	25	12	19.39	19.19	19.24	
10	64QAM	25	25	19.23	19.24	19.19	20
10	64QAM	50	0	19.24	19.21	19.23	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	22
5	QPSK	1	0	21.30	21.31	21.23	
5	QPSK	1	12	21.26	21.26	21.19	
5	QPSK	1	24	21.16	21.23	20.97	21
5	QPSK	12	0	20.35	20.41	20.17	
5	QPSK	12	7	20.39	20.37	20.32	
5	QPSK	12	13	20.25	20.27	20.24	21
5	QPSK	25	0	20.29	20.27	20.32	
5	16QAM	1	0	20.43	20.34	20.29	
5	16QAM	1	12	20.42	20.62	20.48	21
5	16QAM	1	24	20.41	20.38	20.34	
5	16QAM	12	0	19.34	19.30	19.21	
5	16QAM	12	7	19.28	19.27	19.19	20
5	16QAM	12	13	19.33	19.32	19.26	
5	16QAM	25	0	19.42	19.23	19.20	
5	64QAM	1	0	19.28	19.35	19.28	20
5	64QAM	1	12	19.11	19.18	19.20	
5	64QAM	1	24	19.31	19.07	19.23	
5	64QAM	12	0	19.24	19.20	19.13	20
5	64QAM	12	7	19.35	19.14	19.18	
5	64QAM	12	13	19.15	19.15	19.09	
5	64QAM	25	0	19.33	19.31	19.34	22
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	22
3	QPSK	1	0	21.21	21.29	21.25	
3	QPSK	1	8	21.28	21.26	21.14	
3	QPSK	1	14	21.12	21.21	20.95	21
3	QPSK	8	0	20.29	20.40	20.18	
3	QPSK	8	4	20.39	20.37	20.30	
3	QPSK	8	7	20.11	20.16	20.14	21
3	QPSK	15	0	20.16	20.15	20.19	
3	16QAM	1	0	20.30	20.14	20.15	
3	16QAM	1	8	20.30	20.48	20.29	21
3	16QAM	1	14	20.22	20.20	20.20	
3	16QAM	8	0	19.25	19.13	19.09	
3	16QAM	8	4	19.11	19.13	19.12	20
3	16QAM	8	7	19.22	19.14	19.11	
3	16QAM	15	0	19.28	19.15	19.12	
3	64QAM	1	0	19.26	19.32	19.27	20
3	64QAM	1	8	19.20	19.14	19.24	
3	64QAM	1	14	19.32	19.13	19.29	
3	64QAM	8	0	19.26	19.15	19.15	20
3	64QAM	8	4	19.35	19.18	19.20	
3	64QAM	8	7	19.21	19.15	19.13	
3	64QAM	15	0	19.14	19.20	19.14	22
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	22
1.4	QPSK	1	0	21.31	21.32	21.19	
1.4	QPSK	1	3	21.24	21.24	21.13	
1.4	QPSK	1	5	21.20	21.25	20.98	21
1.4	QPSK	3	0	21.20	21.31	21.05	
1.4	QPSK	3	1	21.26	21.23	21.16	
1.4	QPSK	3	3	21.15	21.19	21.22	21
1.4	QPSK	6	0	20.23	20.13	20.14	
1.4	16QAM	1	0	20.30	20.18	20.11	
1.4	16QAM	1	3	20.30	20.48	20.26	21
1.4	16QAM	1	5	20.28	20.25	20.17	
1.4	16QAM	3	0	20.33	20.26	20.28	
1.4	16QAM	3	1	20.32	20.27	20.21	20
1.4	16QAM	3	3	20.33	20.33	20.31	
1.4	16QAM	6	0	19.44	19.30	19.27	
1.4	64QAM	1	0	19.47	19.49	19.35	20
1.4	64QAM	1	3	19.28	19.25	19.30	
1.4	64QAM	1	5	19.44	19.20	19.44	
1.4	64QAM	3	0	19.38	19.37	19.30	20
1.4	64QAM	3	1	19.45	19.26	19.29	
1.4	64QAM	3	3	19.28	19.28	19.25	
1.4	64QAM	6	0	19.36	19.33	19.33	20

Band 7 (2600MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	15.04	15.10	15.06	16
20	QPSK	1	49	14.96	15.03	15.08	
20	QPSK	1	99	15.07	15.08	15.09	
20	QPSK	50	0	14.25	14.38	14.37	15
20	QPSK	50	24	14.32	14.37	14.36	
20	QPSK	50	50	14.35	14.34	14.36	
20	QPSK	100	0	14.30	14.31	14.26	15
20	16QAM	1	0	14.26	14.20	14.25	
20	16QAM	1	49	14.33	14.32	14.24	
20	16QAM	1	99	14.34	14.39	14.35	14
20	16QAM	50	0	13.24	13.39	13.45	
20	16QAM	50	24	13.28	13.33	13.25	
20	16QAM	50	50	13.27	13.38	13.23	14
20	16QAM	100	0	13.26	13.31	13.36	
20	64QAM	1	0	13.29	13.33	13.37	
20	64QAM	1	49	13.33	13.39	13.14	14
20	64QAM	1	99	13.28	13.15	13.05	
20	64QAM	50	0	13.25	13.29	13.33	
20	64QAM	50	24	13.25	13.38	13.17	14
20	64QAM	50	50	13.22	13.37	13.31	
20	64QAM	100	0	13.30	13.29	13.19	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	14.98	15.08	15.02	16
15	QPSK	1	37	14.88	14.95	15.00	
15	QPSK	1	74	15.00	15.05	15.07	
15	QPSK	36	0	14.22	14.37	14.29	15
15	QPSK	36	20	14.22	14.35	14.30	
15	QPSK	36	39	14.29	14.33	14.34	
15	QPSK	75	0	14.32	14.29	14.24	15
15	16QAM	1	0	14.22	14.19	14.17	
15	16QAM	1	37	14.28	14.23	14.23	
15	16QAM	1	74	14.31	14.38	14.25	14
15	16QAM	36	0	13.17	13.37	13.44	
15	16QAM	36	20	13.25	13.24	13.20	
15	16QAM	36	39	13.23	13.37	13.16	14
15	16QAM	75	0	13.24	13.30	13.35	
15	64QAM	1	0	13.25	13.23	13.35	
15	64QAM	1	37	13.24	13.34	13.10	14
15	64QAM	1	74	13.20	13.10	13.03	
15	64QAM	36	0	13.15	13.21	13.24	
15	64QAM	36	20	13.20	13.34	13.14	14
15	64QAM	36	39	13.12	13.33	13.30	
15	64QAM	75	0	13.29	13.21	13.17	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	14.92	15.05	15.03	16
10	QPSK	1	25	14.92	15.01	14.98	
10	QPSK	1	49	14.99	14.99	15.02	
10	QPSK	25	0	14.17	14.36	14.27	15
10	QPSK	25	12	14.27	14.33	14.31	
10	QPSK	25	25	14.30	14.24	14.35	
10	QPSK	50	0	14.39	14.36	14.31	15
10	16QAM	1	0	14.18	14.16	14.17	
10	16QAM	1	25	14.29	14.30	14.14	
10	16QAM	1	49	14.28	14.30	14.33	14
10	16QAM	25	0	13.22	13.30	13.43	
10	16QAM	25	12	13.25	13.30	13.15	
10	16QAM	25	25	13.24	13.30	13.17	14
10	16QAM	50	0	13.21	13.30	13.35	
10	64QAM	1	0	13.28	13.31	13.36	
10	64QAM	1	25	13.24	13.34	13.11	14
10	64QAM	1	49	13.24	13.05	12.97	
10	64QAM	25	0	13.16	13.23	13.28	
10	64QAM	25	12	13.21	13.37	13.15	14
10	64QAM	25	25	13.19	13.27	13.25	
10	64QAM	50	0	13.23	13.28	13.11	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	14.98	15.09	14.96	16
5	QPSK	1	12	14.93	14.99	15.05	
5	QPSK	1	24	15.01	15.04	15.03	
5	QPSK	12	0	14.22	14.34	14.30	15
5	QPSK	12	7	14.31	14.35	14.30	
5	QPSK	12	13	14.27	14.30	14.33	
5	QPSK	25	0	14.32	14.35	14.25	15
5	16QAM	1	0	14.25	14.11	14.18	
5	16QAM	1	12	14.30	14.27	14.18	
5	16QAM	1	24	14.26	14.37	14.31	14
5	16QAM	12	0	13.22	13.29	13.37	
5	16QAM	12	7	13.20	13.29	13.19	
5	16QAM	12	13	13.19	13.29	13.16	14
5	16QAM	25	0	13.17	13.21	13.30	
5	64QAM	1	0	13.21	13.28	13.30	
5	64QAM	1	12	13.28	13.37	13.05	14
5	64QAM	1	24	13.24	13.13	12.97	
5	64QAM	12	0	13.21	13.21	13.27	
5	64QAM	12	7	13.15	13.32	13.07	14
5	64QAM	12	13	13.21	13.32	13.21	
5	64QAM	25	0	13.20	13.24	13.11	

Band 12 (700MHz Low Band) (dBm)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	18
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	17.29	17.34	17.22	
10	QPSK	1	25	17.22	17.25	17.26	19
10	QPSK	1	49	17.12	17.27	17.29	
10	QPSK	25	0	16.23	16.28	16.27	
10	QPSK	25	12	16.25	16.16	16.23	17
10	QPSK	25	25	16.25	16.20	16.17	
10	QPSK	50	0	16.19	16.18	16.24	
10	16QAM	1	0	16.43	16.40	16.27	17
10	16QAM	1	25	16.18	16.25	16.25	
10	16QAM	1	49	16.23	16.18	16.29	
10	16QAM	25	0	15.21	15.23	15.34	16
10	16QAM	25	12	15.19	15.24	15.21	
10	16QAM	25	25	15.31	15.28	15.30	
10	16QAM	50	0	15.35	15.29	15.26	16
10	64QAM	1	0	15.35	15.30	15.20	
10	64QAM	1	25	15.41	15.36	15.34	
10	64QAM	1	49	15.47	15.49	15.43	16
10	64QAM	25	0	15.19	15.39	15.23	
10	64QAM	25	12	15.26	15.32	15.34	
10	64QAM	25	25	15.21	15.28	15.22	16
10	64QAM	50	0	15.25	15.23	15.26	
Channel				23035	23095	23155	18
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	17.09	17.24	17.12	
5	QPSK	1	12	17.17	17.24	17.17	19
5	QPSK	1	24	17.11	17.22	17.23	
5	QPSK	12	0	16.20	16.21	16.23	
5	QPSK	12	7	16.16	16.11	16.20	17
5	QPSK	12	13	16.17	16.12	16.16	
5	QPSK	25	0	16.18	16.15	16.20	
5	16QAM	1	0	16.39	16.35	16.17	17
5	16QAM	1	12	16.08	16.23	16.23	
5	16QAM	1	24	16.18	16.17	16.22	
5	16QAM	12	0	15.12	15.21	15.26	16
5	16QAM	12	7	15.18	15.16	15.13	
5	16QAM	12	13	15.23	15.20	15.24	
5	16QAM	25	0	15.33	15.19	15.24	16
5	64QAM	1	0	15.33	15.22	15.16	
5	64QAM	1	12	15.33	15.29	15.32	
5	64QAM	1	24	15.43	15.45	15.33	16
5	64QAM	12	0	15.15	15.34	15.20	
5	64QAM	12	7	15.19	15.29	15.27	
5	64QAM	12	13	15.17	15.23	15.13	16
5	64QAM	25	0	15.24	15.20	15.25	
Channel				23025	23095	23165	18
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	17.14	17.32	17.20	
3	QPSK	1	8	17.20	17.20	17.25	17
3	QPSK	1	14	17.10	17.26	17.19	
3	QPSK	8	0	16.22	16.22	16.22	
3	QPSK	8	4	16.20	16.06	16.19	17
3	QPSK	8	7	16.16	16.15	16.10	
3	QPSK	15	0	16.13	16.15	16.19	
3	16QAM	1	0	16.36	16.35	16.17	17
3	16QAM	1	8	16.13	16.18	16.23	
3	16QAM	1	14	16.13	16.13	16.27	
3	16QAM	8	0	15.19	15.17	15.32	16
3	16QAM	8	4	15.10	15.14	15.13	
3	16QAM	8	7	15.28	15.24	15.25	
3	16QAM	15	0	15.34	15.24	15.16	16
3	64QAM	1	0	15.31	15.25	15.16	
3	64QAM	1	8	15.38	15.35	15.26	
3	64QAM	1	14	15.40	15.42	15.36	16
3	64QAM	8	0	15.17	15.38	15.13	
3	64QAM	8	4	15.17	15.24	15.30	
3	64QAM	8	7	15.20	15.21	15.16	16
3	64QAM	15	0	15.19	15.17	15.18	
Channel				23017	23095	23173	18
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	17.13	17.33	17.14	
1.4	QPSK	1	3	17.20	17.19	17.23	17
1.4	QPSK	1	5	17.11	17.17	17.22	
1.4	QPSK	3	0	17.24	17.28	17.28	
1.4	QPSK	3	1	17.29	17.17	17.26	17
1.4	QPSK	3	3	17.21	17.17	17.15	
1.4	QPSK	6	0	16.14	16.14	16.16	
1.4	16QAM	1	0	16.38	16.33	16.25	17
1.4	16QAM	1	3	16.11	16.16	16.18	
1.4	16QAM	1	5	16.22	16.08	16.26	
1.4	16QAM	3	0	16.12	16.22	16.26	16
1.4	16QAM	3	1	16.13	16.15	16.12	
1.4	16QAM	3	3	16.28	16.23	16.26	
1.4	16QAM	6	0	15.29	15.20	15.22	16
1.4	64QAM	1	0	15.33	15.22	15.12	
1.4	64QAM	1	3	15.33	15.28	15.30	
1.4	64QAM	1	5	15.46	15.44	15.37	16
1.4	64QAM	3	0	15.17	15.32	15.22	
1.4	64QAM	3	1	15.17	15.25	15.33	
1.4	64QAM	3	3	15.16	15.24	15.12	16
1.4	64QAM	6	0	15.23	15.13	15.25	

Band 13(700MHz Band) (dBm)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			19
Frequency (MHz)				782			
10	QPSK	1	0		18.37		
10	QPSK	1	25		18.34		18
10	QPSK	1	49		18.24		
10	QPSK	25	0		17.19		
10	QPSK	25	12		17.11		18
10	QPSK	25	25		17.12		
10	QPSK	50	0		17.13		
10	16QAM	1	0		17.28		18
10	16QAM	1	25		17.25		
10	16QAM	1	49		17.36		
10	16QAM	25	0		16.22		17
10	16QAM	25	12		16.22		
10	16QAM	25	25		16.14		
10	16QAM	50	0		16.18		17
10	64QAM	1	0		16.30		
10	64QAM	1	25		16.39		
10	64QAM	1	49		16.33		17
10	64QAM	25	0		16.20		
10	64QAM	25	12		16.17		
10	64QAM	25	25		16.21		17
10	64QAM	50	0		16.12		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	18.35	18.36	18.33	19
5	QPSK	1	12	18.30	18.26	18.32	
5	QPSK	1	24	18.17	18.14	18.23	
5	QPSK	12	0	17.17	17.13	17.14	18
5	QPSK	12	7	17.12	17.09	17.12	
5	QPSK	12	13	17.11	17.09	17.03	
5	QPSK	25	0	17.03	17.09	17.03	18
5	16QAM	1	0	17.26	17.27	17.26	
5	16QAM	1	12	17.17	17.23	17.17	
5	16QAM	1	24	17.30	17.27	17.28	18
5	16QAM	12	0	16.17	16.18	16.20	
5	16QAM	12	7	16.13	16.14	16.16	
5	16QAM	12	13	16.06	16.09	16.12	17
5	16QAM	25	0	16.15	16.08	16.15	
5	64QAM	1	0	16.28	16.22	16.28	
5	64QAM	1	12	16.30	16.35	16.37	17
5	64QAM	1	24	16.23	16.26	16.23	
5	64QAM	12	0	16.19	16.19	16.10	
5	64QAM	12	7	16.12	16.07	16.14	17
5	64QAM	12	13	16.19	16.17	16.14	
5	64QAM	25	0	16.06	16.09	16.08	

Band 14 (700MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23330			19
Frequency (MHz)				793			
10	QPSK	1	0		18.38		18
10	QPSK	1	25		18.26		
10	QPSK	1	49		18.26		
10	QPSK	25	0		17.39		18
10	QPSK	25	12		17.35		
10	QPSK	25	25		17.34		
10	QPSK	50	0		17.36		18
10	16QAM	1	0		17.55		
10	16QAM	1	25		17.52		
10	16QAM	1	49		17.59		17
10	16QAM	25	0		16.36		
10	16QAM	25	12		16.31		
10	16QAM	25	25		16.32		17
10	16QAM	50	0		16.29		
10	64QAM	1	0		16.56		
10	64QAM	1	25		16.30		17
10	64QAM	1	49		16.46		
10	64QAM	25	0		16.40		
10	64QAM	25	12		16.35		17
10	64QAM	25	25		16.30		
10	64QAM	50	0		16.32		
Channel				23305	23330	23355	Tune-up limit (dBm)
Frequency (MHz)				790.5	793	795.5	
5	QPSK	1	0	18.27	18.37	18.26	19
5	QPSK	1	12	18.18	18.18	18.21	
5	QPSK	1	24	18.22	18.16	18.23	
5	QPSK	12	0	17.13	17.22	17.14	18
5	QPSK	12	7	17.19	17.12	17.14	
5	QPSK	12	13	17.17	17.13	17.16	
5	QPSK	25	0	17.05	17.12	17.15	18
5	16QAM	1	0	17.38	17.32	17.38	
5	16QAM	1	12	17.33	17.29	17.33	
5	16QAM	1	24	17.36	17.37	17.42	17
5	16QAM	12	0	16.28	16.27	16.35	
5	16QAM	12	7	16.24	16.24	16.28	
5	16QAM	12	13	16.23	16.31	16.21	17
5	16QAM	25	0	16.21	16.23	16.22	
5	64QAM	1	0	16.50	16.52	16.46	
5	64QAM	1	12	16.24	16.19	16.28	17
5	64QAM	1	24	16.45	16.40	16.41	
5	64QAM	12	0	16.38	16.31	16.30	
5	64QAM	12	7	16.34	16.32	16.34	17
5	64QAM	12	13	16.27	16.25	16.18	
5	64QAM	25	0	16.28	16.20	16.22	

Band 17 (700MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	18
Frequency (MHz)				709	710	711	
10	QPSK	1	0	17.21	17.23	17.08	18
10	QPSK	1	25	17.20	17.22	17.18	
10	QPSK	1	49	17.11	17.19	17.21	
10	QPSK	25	0	16.17	16.18	16.18	17
10	QPSK	25	12	16.14	16.13	16.13	
10	QPSK	25	25	16.15	16.09	16.10	
10	QPSK	50	0	16.16	16.14	16.14	17
10	16QAM	1	0	16.28	16.44	16.11	
10	16QAM	1	25	16.10	16.16	16.21	
10	16QAM	1	49	16.24	16.30	16.32	16
10	16QAM	25	0	15.17	15.21	15.09	
10	16QAM	25	12	15.23	15.25	15.24	
10	16QAM	25	25	15.25	15.19	15.18	16
10	16QAM	50	0	15.10	15.14	15.15	
10	64QAM	1	0	15.15	15.34	15.23	
10	64QAM	1	25	15.38	15.42	15.29	16
10	64QAM	1	49	15.23	15.22	15.20	
10	64QAM	25	0	15.11	15.23	15.12	
10	64QAM	25	12	15.10	15.17	15.14	16
10	64QAM	25	25	15.18	15.21	15.17	
10	64QAM	50	0	15.14	15.10	15.15	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	17.20	17.21	17.07	18
5	QPSK	1	12	17.13	17.16	17.17	
5	QPSK	1	24	17.08	17.12	17.15	
5	QPSK	12	0	16.10	16.13	16.13	17
5	QPSK	12	7	16.05	16.03	16.05	
5	QPSK	12	13	16.05	16.02	16.08	
5	QPSK	25	0	16.11	16.07	16.09	17
5	16QAM	1	0	16.25	16.34	16.04	
5	16QAM	1	12	16.09	16.09	16.11	
5	16QAM	1	24	16.15	16.23	16.22	16
5	16QAM	12	0	15.14	15.17	15.02	
5	16QAM	12	7	15.15	15.16	15.20	
5	16QAM	12	13	15.24	15.15	15.10	16
5	16QAM	25	0	15.06	15.13	15.06	
5	64QAM	1	0	15.12	15.33	15.19	
5	64QAM	1	12	15.37	15.37	15.21	16
5	64QAM	1	24	15.15	15.21	15.16	
5	64QAM	12	0	15.01	15.16	15.02	
5	64QAM	12	7	15.01	15.12	15.11	16
5	64QAM	12	13	15.15	15.17	15.08	
5	64QAM	25	0	15.05	15.09	15.13	

Band 18 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					23925		
Frequency (MHz)					822.5		
15	QPSK	1	0		21.33		22
15	QPSK	1	37		21.14		
15	QPSK	1	74		21.10		
15	QPSK	36	0		20.23		21
15	QPSK	36	20		20.19		
15	QPSK	36	39		20.17		
15	QPSK	75	0		20.23		21
15	16QAM	1	0		20.43		
15	16QAM	1	37		20.44		
15	16QAM	1	74		20.36		20
15	16QAM	36	0		19.08		
15	16QAM	36	20		19.22		
15	16QAM	36	39		19.19		20
15	16QAM	75	0		19.18		
15	64QAM	1	0		19.41		
15	64QAM	1	25		19.42		20
15	64QAM	1	49		19.36		
15	64QAM	25	0		19.07		
15	64QAM	25	12		19.17		20
15	64QAM	25	25		19.13		
15	64QAM	50	0		19.12		
Channel				23900	23925	23950	Tune-up limit (dBm)
Frequency (MHz)				820	822.5	825	
10	QPSK	1	0	20.92	21.12	21.08	22
10	QPSK	1	25	21.00	21.07	20.89	
10	QPSK	1	49	21.04	21.09	21.03	
10	QPSK	25	0	19.96	20.00	19.99	21
10	QPSK	25	12	20.02	20.15	20.17	
10	QPSK	25	25	20.13	20.13	20.14	
10	QPSK	50	0	19.98	20.02	20.14	21
10	16QAM	1	0	20.46	20.36	20.43	
10	16QAM	1	25	20.30	20.40	20.17	
10	16QAM	1	49	20.24	20.27	20.37	20
10	16QAM	25	0	19.13	19.03	19.05	
10	16QAM	25	12	19.16	19.20	19.09	
10	16QAM	25	25	19.14	19.10	19.08	20
10	16QAM	50	0	19.14	19.10	18.98	
10	64QAM	1	0	19.39	19.37	19.35	
10	64QAM	1	25	19.23	19.32	19.12	20
10	64QAM	1	49	19.12	19.31	19.35	
10	64QAM	25	0	19.00	19.06	18.99	
10	64QAM	25	12	19.09	19.07	19.08	20
10	64QAM	25	25	19.03	19.11	19.03	
10	64QAM	50	0	19.21	19.10	18.94	
Channel				23875	23925	23975	Tune-up limit (dBm)
Frequency (MHz)				817.5	822.5	827.5	
5	QPSK	1	0	21.02	21.12	21.10	22
5	QPSK	1	12	20.90	21.11	20.91	
5	QPSK	1	24	21.00	21.04	20.98	
5	QPSK	12	0	19.96	20.04	20.05	21
5	QPSK	12	7	20.04	20.12	20.10	
5	QPSK	12	13	20.13	20.12	20.13	
5	QPSK	25	0	20.04	19.93	20.19	21
5	16QAM	1	0	20.47	20.37	20.41	
5	16QAM	1	12	20.28	20.40	20.13	
5	16QAM	1	24	20.25	20.31	20.36	20
5	16QAM	12	0	19.03	19.05	18.99	
5	16QAM	12	7	19.24	19.16	19.05	
5	16QAM	12	13	19.09	19.16	19.09	20
5	16QAM	25	0	19.16	19.09	19.04	
5	64QAM	1	0	19.32	19.39	19.32	
5	64QAM	1	12	19.30	19.36	19.10	20
5	64QAM	1	24	19.12	19.33	19.31	
5	64QAM	12	0	19.10	19.06	18.98	
5	64QAM	12	7	19.15	19.14	18.99	20
5	64QAM	12	13	19.01	19.11	19.04	
5	64QAM	25	0	19.15	19.02	19.00	

Band 19 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					24075		
Frequency (MHz)					837.5		
15	QPSK	1	0		21.31		22
15	QPSK	1	37		21.21		
15	QPSK	1	74		21.23		
15	QPSK	36	0		20.32		21
15	QPSK	36	20		20.20		
15	QPSK	36	39		20.31		
15	QPSK	75	0		20.33		21
15	16QAM	1	0		20.48		
15	16QAM	1	37		20.55		
15	16QAM	1	74		20.56		20
15	16QAM	36	0		19.20		
15	16QAM	36	20		19.33		
15	16QAM	36	39		19.35		20
15	16QAM	75	0		19.21		
15	64QAM	1	0		19.52		
15	64QAM	1	25		19.55		20
15	64QAM	1	49		19.61		
15	64QAM	25	0		19.14		
15	64QAM	25	12		19.31		20
15	64QAM	25	25		19.34		
15	64QAM	50	0		19.18		
Channel				24050	24075	24100	Tune-up limit (dBm)
Frequency (MHz)				835	837.5	840	
10	QPSK	1	0	21.12	21.27	21.16	22
10	QPSK	1	25	21.07	21.11	21.02	
10	QPSK	1	49	21.14	21.18	21.21	
10	QPSK	25	0	19.97	20.26	20.20	21
10	QPSK	25	12	20.07	20.08	20.21	
10	QPSK	25	25	20.27	20.24	20.27	
10	QPSK	50	0	20.11	20.19	20.13	21
10	16QAM	1	0	20.38	20.47	20.47	
10	16QAM	1	25	20.41	20.51	20.45	
10	16QAM	1	49	20.45	20.55	20.53	20
10	16QAM	25	0	19.06	19.17	19.18	
10	16QAM	25	12	19.20	19.21	19.19	
10	16QAM	25	25	19.28	19.34	19.30	20
10	16QAM	50	0	19.18	19.18	19.30	
10	64QAM	1	0	19.34	19.42	19.33	
10	64QAM	1	25	19.37	19.52	19.36	20
10	64QAM	1	49	19.41	19.49	19.48	
10	64QAM	25	0	19.04	19.09	19.22	
10	64QAM	25	12	19.19	19.26	19.19	20
10	64QAM	25	25	19.32	19.26	19.28	
10	64QAM	50	0	19.21	19.17	19.28	
Channel				24025	24075	24125	Tune-up limit (dBm)
Frequency (MHz)				832.5	837.5	842.5	
5	QPSK	1	0	21.09	21.27	21.21	22
5	QPSK	1	12	21.13	21.15	21.04	
5	QPSK	1	24	21.21	21.19	21.26	
5	QPSK	12	0	20.03	20.29	20.19	21
5	QPSK	12	7	20.15	20.14	20.14	
5	QPSK	12	13	20.24	20.28	20.20	
5	QPSK	25	0	20.16	20.12	20.19	21
5	16QAM	1	0	20.39	20.42	20.41	
5	16QAM	1	12	20.45	20.51	20.49	
5	16QAM	1	24	20.41	20.50	20.43	20
5	16QAM	12	0	19.13	19.10	19.13	
5	16QAM	12	7	19.22	19.21	19.21	
5	16QAM	12	13	19.24	19.31	19.31	20
5	16QAM	25	0	19.26	19.19	19.32	
5	64QAM	1	0	19.35	19.46	19.39	
5	64QAM	1	12	19.35	19.54	19.37	20
5	64QAM	1	24	19.41	19.59	19.49	
5	64QAM	12	0	18.98	19.10	19.22	
5	64QAM	12	7	19.21	19.19	19.20	20
5	64QAM	12	13	19.24	19.24	19.32	
5	64QAM	25	0	19.21	19.13	19.38	

Band 25 (1900MHz Band) (dBm)							
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	14.00	14.06	13.98	15
20	QPSK	1	49	13.87	13.84	13.81	
20	QPSK	1	99	13.85	13.76	13.74	
20	QPSK	50	0	12.89	12.90	12.87	14
20	QPSK	50	24	12.86	12.82	12.84	
20	QPSK	50	50	12.85	12.76	12.78	
20	QPSK	100	0	12.84	12.85	12.84	14
20	16QAM	1	0	12.77	12.77	12.79	
20	16QAM	1	49	12.86	12.83	12.82	
20	16QAM	1	99	12.68	12.80	12.81	13
20	16QAM	50	0	11.89	11.74	11.75	
20	16QAM	50	24	11.79	11.78	11.68	
20	16QAM	50	50	11.74	11.72	11.73	13
20	16QAM	100	0	11.73	11.82	11.72	
20	64QAM	1	0	11.80	11.81	11.74	
20	64QAM	1	49	11.75	11.77	11.84	13
20	64QAM	1	99	11.82	11.79	11.77	
20	64QAM	50	0	11.78	11.73	11.76	
20	64QAM	50	24	11.78	11.84	11.75	13
20	64QAM	50	50	11.69	11.75	11.69	
20	64QAM	100	0	11.84	11.83	11.63	
Channel				26115	26365	26615	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	13.86	13.85	13.83	15
15	QPSK	1	37	13.79	13.80	13.77	
15	QPSK	1	74	13.80	13.70	13.64	
15	QPSK	36	0	12.90	12.66	12.77	14
15	QPSK	36	20	12.81	12.74	12.82	
15	QPSK	36	39	12.75	12.70	12.77	
15	QPSK	75	0	12.75	12.75	12.80	14
15	16QAM	1	0	12.72	12.66	12.67	
15	16QAM	1	37	12.81	12.71	12.75	
15	16QAM	1	74	12.63	12.77	12.70	13
15	16QAM	36	0	11.83	11.73	11.68	
15	16QAM	36	20	11.69	11.67	11.67	
15	16QAM	36	39	11.66	11.68	11.69	13
15	16QAM	75	0	11.67	11.80	11.70	
15	64QAM	1	0	11.68	11.71	11.67	
15	64QAM	1	37	11.69	11.65	11.81	13
15	64QAM	1	74	11.70	11.74	11.72	
15	64QAM	36	0	11.74	11.69	11.68	
15	64QAM	36	20	11.73	11.74	11.74	13
15	64QAM	36	39	11.62	11.71	11.65	
15	64QAM	75	0	11.81	11.78	11.53	
Channel				26090	26365	26640	Tune-up limit (dBm)
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	13.85	13.83	13.83	15
10	QPSK	1	25	13.83	13.75	13.72	
10	QPSK	1	49	13.83	13.66	13.71	
10	QPSK	25	0	12.89	12.67	12.68	14
10	QPSK	25	12	12.83	12.72	12.76	
10	QPSK	25	25	12.76	12.72	12.73	
10	QPSK	50	0	12.76	12.80	12.82	14
10	16QAM	1	0	12.67	12.66	12.78	
10	16QAM	1	25	12.74	12.80	12.71	
10	16QAM	1	49	12.67	12.71	12.71	13
10	16QAM	25	0	11.83	11.72	11.69	
10	16QAM	25	12	11.67	11.73	11.60	
10	16QAM	25	25	11.70	11.69	11.61	13
10	16QAM	50	0	11.70	11.74	11.63	
10	64QAM	1	0	11.70	11.74	11.65	
10	64QAM	1	25	11.64	11.67	11.73	13
10	64QAM	1	49	11.76	11.68	11.72	
10	64QAM	25	0	11.71	11.64	11.64	
10	64QAM	25	12	11.66	11.81	11.69	13
10	64QAM	25	25	11.65	11.66	11.63	
10	64QAM	50	0	11.80	11.72	11.61	
Channel				26065	26365	26665	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	13.82	13.85	13.82	15
5	QPSK	1	12	13.76	13.72	13.73	
5	QPSK	1	24	13.78	13.67	13.68	
5	QPSK	12	0	12.89	12.65	12.75	14
5	QPSK	12	7	12.82	12.76	12.74	
5	QPSK	12	13	12.81	12.66	12.70	
5	QPSK	25	0	12.83	12.71	12.73	14
5	16QAM	1	0	12.66	12.69	12.70	
5	16QAM	1	12	12.80	12.82	12.80	
5	16QAM	1	24	12.62	12.69	12.74	13
5	16QAM	12	0	11.87	11.63	11.63	
5	16QAM	12	7	11.69	11.73	11.56	
5	16QAM	12	13	11.66	11.62	11.67	13
5	16QAM	25	0	11.69	11.72	11.61	
5	64QAM	1	0	11.70	11.75	11.73	
5	64QAM	1	12	11.71	11.68	11.81	13
5	64QAM	1	24	11.80	11.70	11.67	
5	64QAM	12	0	11.74	11.66	11.68	
5	64QAM	12	7	11.73	11.72	11.71	13
5	64QAM	12	13	11.67	11.69	11.63	
5	64QAM	25	0	11.78	11.75	11.55	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	13.85	13.86	13.74	15
3	QPSK	1	8	13.75	13.77	13.75	
3	QPSK	1	14	13.79	13.74	13.72	
3	QPSK	8	0	12.84	12.68	12.68	14
3	QPSK	8	4	12.75	12.77	12.78	
3	QPSK	8	7	12.77	12.64	12.71	
3	QPSK	15	0	12.77	12.71	12.83	

Band 26 for FCC (dBm)							
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	21.42	21.43	21.38	22
15	QPSK	1	37	21.40	21.34	21.41	
15	QPSK	1	74	21.39	21.41	21.08	
15	QPSK	36	0	20.29	20.32	20.23	21
15	QPSK	36	20	20.25	20.29	20.15	
15	QPSK	36	39	20.30	20.31	20.25	
15	QPSK	75	0	20.27	20.21	20.18	21
15	16QAM	1	0	20.29	20.13	20.27	
15	16QAM	1	37	20.13	20.16	20.14	
15	16QAM	1	74	20.00	20.10	20.05	20
15	16QAM	36	0	19.26	19.27	19.20	
15	16QAM	36	20	18.99	19.20	19.19	
15	16QAM	36	39	19.25	19.28	19.26	20
15	16QAM	75	0	19.31	19.30	19.24	
15	64QAM	1	0	19.16	19.28	19.29	
15	64QAM	1	37	19.32	19.28	19.25	20
15	64QAM	1	74	19.15	19.13	19.01	
15	64QAM	36	0	19.29	19.19	19.23	
15	64QAM	36	20	19.20	19.22	19.11	20
15	64QAM	36	39	19.24	19.26	19.22	
15	64QAM	75	0	19.20	19.30	19.15	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	21.32	21.40	21.35	22
10	QPSK	1	25	21.34	21.28	21.31	
10	QPSK	1	49	21.35	21.37	21.02	
10	QPSK	25	0	20.23	20.27	20.14	21
10	QPSK	25	12	20.21	20.27	20.07	
10	QPSK	25	25	20.29	20.26	20.17	
10	QPSK	50	0	20.25	20.14	20.51	21
10	16QAM	1	0	20.24	20.12	20.17	
10	16QAM	1	25	20.05	20.14	20.07	
10	16QAM	1	49	19.90	20.01	20.03	20
10	16QAM	25	0	19.16	19.26	19.10	
10	16QAM	25	12	18.98	19.18	19.16	
10	16QAM	25	25	19.17	19.18	19.19	20
10	16QAM	50	0	19.23	19.24	19.19	
10	64QAM	1	0	19.10	19.22	19.27	
10	64QAM	1	25	19.30	19.25	19.16	20
10	64QAM	1	49	19.12	19.12	18.97	
10	64QAM	25	0	19.22	19.13	19.16	
10	64QAM	25	12	19.17	19.21	19.10	20
10	64QAM	25	25	19.15	19.25	19.15	
10	64QAM	50	0	19.13	19.23	19.06	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.38	21.41	21.35	22
5	QPSK	1	12	21.35	21.28	21.37	
5	QPSK	1	24	21.31	21.32	21.03	
5	QPSK	12	0	20.19	20.30	20.14	21
5	QPSK	12	7	20.18	20.20	20.07	
5	QPSK	12	13	20.25	20.26	20.20	
5	QPSK	25	0	20.24	20.15	20.49	21
5	16QAM	1	0	20.24	20.09	20.24	
5	16QAM	1	12	20.07	20.14	20.09	
5	16QAM	1	24	19.95	20.03	19.95	20
5	16QAM	12	0	19.25	19.19	19.18	
5	16QAM	12	7	18.96	19.19	19.15	
5	16QAM	12	13	19.23	19.22	19.22	20
5	16QAM	25	0	19.21	19.26	19.20	
5	64QAM	1	0	19.08	19.26	19.22	
5	64QAM	1	12	19.23	19.24	19.16	20
5	64QAM	1	24	19.09	19.08	18.95	
5	64QAM	12	0	19.21	19.12	19.19	
5	64QAM	12	7	19.10	19.20	19.04	20
5	64QAM	12	13	19.15	19.25	19.17	
5	64QAM	25	0	19.12	19.23	19.12	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.33	21.37	21.36	22
3	QPSK	1	8	21.32	21.28	21.31	
3	QPSK	1	14	21.36	21.37	20.98	
3	QPSK	8	0	20.23	20.25	20.13	21
3	QPSK	8	4	20.18	20.26	20.05	
3	QPSK	8	7	20.25	20.24	20.21	
3	QPSK	15	0	20.21	20.21	20.56	21
3	16QAM	1	0	20.26	20.03	20.25	
3	16QAM	1	8	20.12	20.11	20.06	
3	16QAM	1	14	19.93	20.00	20.04	20
3	16QAM	8	0	19.21	19.24	19.12	
3	16QAM	8	4	18.96	19.11	19.17	
3	16QAM	8	7	19.18	19.23	19.23	20
3	16QAM	15	0	19.23	19.26	19.14	
3	64QAM	1	0	19.12	19.23	19.28	
3	64QAM	1	8	19.27	19.21	19.22	20
3	64QAM	1	14	19.06	19.03	19.17	
3	64QAM	8	0	19.25	19.16	19.18	
3	64QAM	8	4	19.10	19.14	19.04	20
3	64QAM	8	7	19.21	19.20	19.19	
3	64QAM	15	0	19.18	19.24	19.08	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.34	21.38	21.35	22
1.4	QPSK	1	3	21.34	21.33	21.32	
1.4	QPSK	1	5	21.36	21.32	21.28	
1.4	QPSK	3	0	20.142	20.127	20.123	
1.4	QPSK	3	1	20.129	20.130	20.122	
1.4	QPSK	3	3	20.127	20.126	20.123	21
1.4	QPSK	6	0	20.21	20.15	20.15	

3	16QAM	1	0	12.73	12.73	12.78	14
3	16QAM	1	8	12.84	12.77	12.77	
3	16QAM	1	14	12.60	12.76	12.78	
3	16QAM	8	0	11.78	11.72	11.70	13
3	16QAM	8	4	11.73	11.76	11.57	
3	16QAM	8	7	11.62	11.60	11.72	
3	16QAM	15	0	11.64	11.76	11.63	13
3	64QAM	1	0	11.69	11.74	11.71	
3	64QAM	1	8	11.74	11.71	11.80	
3	64QAM	1	14	11.80	11.73	11.67	13
3	64QAM	8	0	11.73	11.67	11.74	
3	64QAM	8	4	11.75	11.81	11.72	
3	64QAM	8	7	11.66	11.65	11.65	13
3	64QAM	15	0	11.83	11.77	11.59	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	13.88	13.81	13.77	15
1.4	QPSK	1	3	13.77	13.80	13.76	
1.4	QPSK	1	5	13.76	13.66	13.73	
1.4	QPSK	3	0	13.95	13.80	13.90	
1.4	QPSK	3	1	13.91	13.89	13.85	
1.4	QPSK	3	3	13.88	13.79	13.86	
1.4	QPSK	6	0	12.80	12.72	12.73	14
1.4	16QAM	1	0	12.65	12.74	12.68	14
1.4	16QAM	1	3	12.82	12.77	12.71	
1.4	16QAM	1	5	12.56	12.73	12.80	
1.4	16QAM	3	0	12.77	12.65	12.73	
1.4	16QAM	3	1	12.76	12.77	12.61	
1.4	16QAM	3	3	12.71	12.65	12.66	
1.4	16QAM	6	0	11.61	11.72	11.62	13
1.4	64QAM	1	0	11.77	11.74	11.69	13
1.4	64QAM	1	3	11.68	11.71	11.79	
1.4	64QAM	1	5	11.79	11.75	11.65	
1.4	64QAM	3	0	11.72	11.70	11.66	
1.4	64QAM	3	1	11.69	11.76	11.68	
1.4	64QAM	3	3	11.62	11.67	11.60	
1.4	64QAM	6	0	11.76	11.78	11.53	13

1.4	16QAM	1	0	20.28	20.03	20.25	21
1.4	16QAM	1	3	20.05	20.08	20.09	
1.4	16QAM	1	5	19.96	20.09	19.95	
1.4	16QAM	3	0	20.24	20.17	20.10	
1.4	16QAM	3	1	20.05	20.10	20.13	
1.4	16QAM	3	3	20.23	20.19	20.23	
1.4	16QAM	6	0	19.27	19.20	19.22	20
1.4	64QAM	1	0	19.11	19.27	19.20	20
1.4	64QAM	1	3	19.31	19.22	19.23	
1.4	64QAM	1	5	19.14	19.08	18.94	
1.4	64QAM	3	0	19.19	19.13	19.17	
1.4	64QAM	3	1	19.17	19.19	19.10	
1.4	64QAM	3	3	19.16	19.21	19.15	
1.4	64QAM	6	0	19.11	19.23	19.13	20

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	18.24	18.28	18.26	19
20	QPSK	1	49	18.11	18.24	18.08	
20	QPSK	1	99	18.23	18.20	18.02	18
20	QPSK	50	0	17.18	17.25	17.20	
20	QPSK	50	24	17.21	17.22	17.08	18
20	QPSK	50	50	17.18	17.11	17.04	
20	QPSK	100	0	17.21	17.24	17.11	18
20	16QAM	1	0	17.31	17.32	17.20	
20	16QAM	1	49	17.21	17.24	17.28	17
20	16QAM	1	99	17.13	17.17	17.14	
20	16QAM	50	0	16.18	16.25	16.06	17
20	16QAM	50	24	16.26	16.21	16.23	
20	16QAM	50	50	16.08	16.13	16.06	17
20	16QAM	100	0	16.17	16.18	16.12	
20	64QAM	1	0	16.22	16.29	16.20	17
20	64QAM	1	49	16.04	16.12	16.15	
20	64QAM	1	99	16.11	16.13	16.14	17
20	64QAM	50	0	16.10	16.15	16.10	
20	64QAM	50	24	16.14	16.10	16.06	17
20	64QAM	50	50	16.01	16.08	15.95	
20	64QAM	100	0	15.93	16.11	15.97	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	17.99	18.24	18.15	
15	QPSK	1	37	18.07	18.21	18.00	19
15	QPSK	1	74	18.14	18.10	17.99	
15	QPSK	36	0	17.20	17.28	17.17	18
15	QPSK	36	20	17.29	17.25	17.13	
15	QPSK	36	39	17.28	17.15	17.13	18
15	QPSK	75	0	17.15	17.07	17.09	
15	16QAM	1	0	17.30	17.28	17.13	18
15	16QAM	1	37	17.14	17.17	17.20	
15	16QAM	1	74	17.10	17.10	17.07	17
15	16QAM	36	0	16.17	16.23	15.99	
15	16QAM	36	20	16.16	16.18	16.20	17
15	16QAM	36	39	16.04	16.11	16.04	
15	16QAM	75	0	16.13	16.09	16.03	17
15	64QAM	1	0	16.16	16.19	16.11	
15	64QAM	1	37	15.96	16.10	16.13	17
15	64QAM	1	74	16.10	16.06	16.10	
15	64QAM	36	0	16.00	16.08	16.00	17
15	64QAM	36	20	16.10	16.00	15.98	
15	64QAM	36	39	15.99	16.06	15.90	
15	64QAM	75	0	15.87	16.10	15.96	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.06	18.23	18.11	19
10	QPSK	1	25	18.08	18.22	18.03	
10	QPSK	1	49	18.19	18.12	18.04	18
10	QPSK	25	0	17.23	17.34	17.20	
10	QPSK	25	12	17.30	17.30	17.12	18
10	QPSK	25	25	17.27	17.15	17.09	
10	QPSK	50	0	17.25	17.25	17.20	18
10	16QAM	1	0	17.25	17.27	17.19	
10	16QAM	1	25	17.18	17.18	17.24	17
10	16QAM	1	49	17.10	17.14	17.13	
10	16QAM	25	0	16.12	16.21	16.01	17
10	16QAM	25	12	16.19	16.18	16.20	
10	16QAM	25	25	15.98	16.09	15.97	17
10	16QAM	50	0	16.11	16.12	16.06	
10	64QAM	1	0	16.19	16.28	16.16	17
10	64QAM	1	25	16.03	16.04	16.14	
10	64QAM	1	49	16.09	16.09	16.12	17
10	64QAM	25	0	16.04	16.12	16.08	
10	64QAM	25	12	16.13	16.08	16.02	17
10	64QAM	25	25	15.91	16.00	15.87	
10	64QAM	50	0	15.92	16.08	15.96	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	17.98	18.23	18.16	
5	QPSK	1	12	18.05	18.22	18.04	19
5	QPSK	1	24	18.14	18.15	17.99	
5	QPSK	12	0	17.21	17.31	17.22	18
5	QPSK	12	7	17.19	17.14	17.06	
5	QPSK	12	13	17.10	17.09	16.94	18
5	QPSK	25	0	17.20	17.14	17.07	
5	16QAM	1	0	17.28	17.31	17.15	18
5	16QAM	1	12	17.20	17.22	17.23	
5	16QAM	1	24	17.12	17.07	17.04	17
5	16QAM	12	0	16.13	16.17	16.02	
5	16QAM	12	7	16.22	16.18	16.19	17
5	16QAM	12	13	16.05	16.08	16.03	
5	16QAM	25	0	16.08	16.11	16.07	17
5	64QAM	1	0	16.19	16.27	16.16	
5	64QAM	1	12	16.00	16.06	16.10	17
5	64QAM	1	24	16.07	16.09	16.13	
5	64QAM	12	0	16.01	16.10	16.09	17
5	64QAM	12	7	16.13	16.06	16.05	
5	64QAM	12	13	15.94	16.01	15.89	
5	64QAM	25	0	15.85	16.01	15.89	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0		16.24		17
10	QPSK	1	25		16.04		
10	QPSK	1	49		15.97		
10	QPSK	25	0		15.29		16
10	QPSK	25	12		15.27		
10	QPSK	25	25		15.23		
10	QPSK	50	0		15.28		16
10	16QAM	1	0		15.41		
10	16QAM	1	25		15.35		
10	16QAM	1	49		15.40		15
10	16QAM	25	0		14.28		
10	16QAM	25	12		14.31		
10	16QAM	25	25		14.16		15
10	16QAM	50	0		14.31		
10	64QAM	1	0		14.34		
10	64QAM	1	25		14.25		15
10	64QAM	1	49		14.29		
10	64QAM	25	0		14.22		
10	64QAM	25	12		14.25		15
10	64QAM	25	25		14.20		
10	64QAM	50	0		14.36		
Channel				38725	38750	38775	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	16.09	16.15	16.04	17
5	QPSK	1	12	15.92	15.93	15.70	
5	QPSK	1	24	15.85	15.86	15.70	
5	QPSK	12	0	15.34	15.36	15.29	16
5	QPSK	12	7	15.22	15.16	15.01	
5	QPSK	12	13	15.16	15.12	14.95	
5	QPSK	25	0	15.22	15.17	15.07	16
5	16QAM	1	0	15.36	15.30	15.24	
5	16QAM	1	12	15.14	15.24	15.17	
5	16QAM	1	24	15.06	15.29	15.15	15
5	16QAM	12	0	14.31	14.17	14.11	
5	16QAM	12	7	14.14	14.20	14.08	
5	16QAM	12	13	14.02	14.05	13.97	15
5	16QAM	25	0	14.14	14.20	14.14	
5	64QAM	1	0	14.32	14.23	14.13	
5	64QAM	1	12	13.96	14.14	14.05	15
5	64QAM	1	24	14.09	14.18	14.09	
5	64QAM	12	0	14.24	14.11	14.04	
5	64QAM	12	7	14.15	14.14	14.02	15
5	64QAM	12	13	14.08	14.09	13.98	
5	64QAM	25	0	14.21	14.25	14.16	

Band 40 (2.3G Band-2) (dBm) Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39200			
Frequency (MHz)				2355			
10	QPSK	1	0		16.28		17
10	QPSK	1	25		16.10		
10	QPSK	1	49		16.03		
10	QPSK	25	0		15.31		16
10	QPSK	25	12		14.93		
10	QPSK	25	25		14.89		
10	QPSK	50	0		14.94		16
10	16QAM	1	0		15.07		
10	16QAM	1	25		15.01		
10	16QAM	1	49		15.06		15
10	16QAM	25	0		14.27		
10	16QAM	25	12		14.30		
10	16QAM	25	25		14.15		15
10	16QAM	50	0		14.30		
10	64QAM	1	0		14.33		
10	64QAM	1	25		14.24		15
10	64QAM	1	49		14.28		
10	64QAM	25	0		14.21		
10	64QAM	25	12		14.24		15
10	64QAM	25	25		14.19		
10	64QAM	50	0		14.35		
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	15.97	16.05	16.00	17
5	QPSK	1	12	15.99	16.00	15.77	
5	QPSK	1	24	15.92	15.93	15.70	
5	QPSK	12	0	15.15	15.23	15.17	16
5	QPSK	12	7	15.13	15.07	14.92	
5	QPSK	12	13	15.07	15.03	14.86	
5	QPSK	25	0	15.13	15.08	14.98	16
5	16QAM	1	0	15.15	15.09	15.03	
5	16QAM	1	12	14.93	15.03	14.96	
5	16QAM	1	24	14.85	15.08	14.94	15
5	16QAM	12	0	14.43	14.29	14.23	
5	16QAM	12	7	14.26	14.32	14.20	
5	16QAM	12	13	14.14	14.17	14.09	15
5	16QAM	25	0	14.26	14.32	14.26	
5	64QAM	1	0	14.44	14.35	14.25	
5	64QAM	1	12	14.08	14.26	14.17	15
5	64QAM	1	24	14.21	14.30	14.21	
5	64QAM	12	0	14.36	14.23	14.16	
5	64QAM	12	7	14.27	14.26	14.14	15
5	64QAM	12	13	14.20	14.21	14.10	
5	64QAM	25	0	14.33	14.37	14.28	

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)				2500	2549.5	2593	2636.5	2680	
20	QPSK	1	0	18.20	18.11	18.26	18.10	18.09	19
20	QPSK	1	49	18.11	18.18	18.01	18.03	17.99	
20	QPSK	1	99	18.20	18.05	18.16	18.06	17.98	18
20	QPSK	50	0	17.43	17.38	17.44	17.29	17.41	
20	QPSK	50	24	17.39	17.36	17.30	17.15	17.12	18
20	QPSK	50	50	17.41	17.30	17.26	17.09	16.99	
20	QPSK	100	0	17.40	17.36	17.31	17.21	17.09	18
20	16QAM	1	0	17.48	17.50	17.44	17.38	17.39	
20	16QAM	1	49	17.41	17.28	17.38	17.31	17.34	17
20	16QAM	1	99	17.34	17.20	17.43	17.29	17.31	
20	16QAM	50	0	16.49	16.45	16.31	16.25	16.16	17
20	16QAM	50	24	16.43	16.28	16.34	16.22	16.19	
20	16QAM	50	50	16.40	16.16	16.19	16.11	16.15	17
20	16QAM	100	0	16.31	16.28	16.34	16.28	16.29	
20	64QAM	1	0	16.39	16.46	16.37	16.27	16.31	17
20	64QAM	1	49	16.38	16.10	16.28	16.19	16.21	
20	64QAM	1	99	16.32	16.23	16.32	16.23	16.26	17
20	64QAM	50	0	16.44	16.38	16.25	16.18	16.02	
20	64QAM	50	24	16.34	16.29	16.28	16.16	16.20	17
20	64QAM	50	50	16.21	16.22	16.23	16.12	16.14	
20	64QAM	100	0	16.40	16.35	16.39	16.30	16.29	
Channel				39725	40173	40620	41068	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	18.15	18.00	18.25	18.04	18.00	19
15	QPSK	1	37	18.10	18.08	17.99	17.98	18.00	
15	QPSK	1	74	18.11	17.99	18.06	18.01	17.97	18
15	QPSK	36	0	17.32	17.30	17.40	17.22	17.16	
15	QPSK	36	20	17.28	17.28	17.26	17.06	17.06	18
15	QPSK	36	39	17.40	17.29	17.23	17.00	16.97	
15	QPSK	75	0	17.31	17.30	17.23	17.11	17.02	18
15	16QAM	1	0	17.44	17.38	17.33	17.26	17.33	
15	16QAM	1	37	17.32	17.21	17.36	17.21	17.24	17
15	16QAM	1	74	17.30	17.08	17.33	17.26	17.19	
15	16QAM	36	0	16.42	16.37	16.23	16.15	16.11	17
15	16QAM	36	20	16.42	16.19	16.28	16.13	16.16	
15	16QAM	36	39	16.29	16.04	16.10	16.04	16.14	17
15	16QAM	75	0	16.27	16.22	16.33	16.19	16.26	
15	64QAM	1	0	16.28	16.35	16.31	16.17	16.21	17
15	64QAM	1	37	16.35	16.02	16.24	16.07	16.12	
15	64QAM	1	74	16.29	16.20	16.21	16.12	16.22	17
15	64QAM	36	0	16.32	16.37	16.15	16.15	15.97	
15	64QAM	36	20	16.23	16.17	16.18	16.07	16.16	17
15	64QAM	36	39	16.16	16.18	16.15	16.11	16.10	
15	64QAM	75	0	16.33	16.26	16.27	16.23	16.27	
Channel				39700	40160	40620	41080	41540	
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	18.11	18.06	18.21	18.04	18.00	19
10	QPSK	1	25	18.03	18.08	17.97	18.03	17.99	
10	QPSK	1	49	18.16	18.00	18.06	18.04	18.01	18
10	QPSK	25	0	17.39	17.31	17.36	17.24	17.10	
10	QPSK	25	12	17.38	17.27	17.29	17.13	17.02	18
10	QPSK	25	25	17.40	17.21	17.24	17.06	16.97	
10	QPSK	50	0	17.36	17.28	17.30	17.12	17.04	18
10	16QAM	1	0	17.44	17.39	17.35	17.26	17.32	
10	16QAM	1	25	17.35	17.25	17.28	17.27	17.25	17
10	16QAM	1	49	17.31	17.14	17.42	17.25	17.25	
10	16QAM	25	0	16.38	16.41	16.23	16.20	16.07	17
10	16QAM	25	12	16.40	16.24	16.29	16.18	16.08	
10	16QAM	25	25	16.33	16.09	16.12	16.10	16.05	17
10	16QAM	50	0	16.21	16.22	16.30	16.25	16.27	
10	64QAM	1	0	16.34	16.39	16.27	16.20	16.25	17
10	64QAM	1	25	16.35	16.00	16.20	16.14	16.12	
10	64QAM	1	49	16.20	16.15	16.24	16.22	16.16	17
10	64QAM	25	0	16.33	16.35	16.15	16.11	16.01	
10	64QAM	25	12	16.30	16.22	16.18	16.14	16.18	17
10	64QAM	25	25	16.20	16.11	16.20	16.09	16.07	
10	64QAM	50	0	16.39	16.33	16.35	16.20	16.25	
Channel				39675	40148	40620	41093	41565	
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	18.09	18.00	18.23	18.02	18.08	19
5	QPSK	1	12	18.09	18.08	18.01	18.00	18.04	
5	QPSK	1	24	18.15	17.96	18.04	18.02	18.03	18
5	QPSK	12	0	17.39	17.32	17.37	17.23	17.11	
5	QPSK	12	7	17.31	17.35	17.22	17.08	17.06	18
5	QPSK	12	13	17.29	17.21	17.19	17.06	16.98	
5	QPSK	25	0	17.29	17.34	17.24	17.11	16.98	18
5	16QAM	1	0	17.38	17.42	17.38	17.37	17.37	
5	16QAM	1	12	17.31	17.19	17.27	17.22	17.27	17
5	16QAM	1	24	17.23	17.17	17.31	17.28	17.21	
5	16QAM	12	0	16.38	16.34	16.27	16.13	16.05	17
5	16QAM	12	7	16.32	16.22	16.27	16.21	16.10	
5	16QAM	12	13	16.32	16.08	16.12	16.01	16.07	17
5	16QAM	25	0	16.26	16.26	16.29	16.26	16.23	
5	64QAM	1	0	16.33	16.36	16.29	16.19	16.22	17
5	64QAM	1	12	16.27	16.00	16.21	16.07	16.17	
5	64QAM	1	24	16.22	16.13	16.30	16.19	16.24	17
5	64QAM	12	0	16.37	16.32	16.22	16.06	16.00	
5	64QAM	12	7	16.22	16.24	16.16	16.08	16.10	17
5	64QAM	12	13	16.12	16.12	16.12	16.08	16.05	
5	64QAM	25	0	16.32	16.27	16.34	16.19	16.26	

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	15
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	14.10	14.13	14.04	
20	QPSK	1	49	13.82	13.94	13.79	14
20	QPSK	1	99	13.90	13.90	13.87	
20	QPSK	50	0	12.95	13.00	12.98	
20	QPSK	50	24	12.88	12.96	12.95	14
20	QPSK	50	50	12.99	12.94	12.96	
20	QPSK	100	0	12.95	13.00	12.97	
20	16QAM	1	0	13.25	13.20	13.22	14
20	16QAM	1	49	13.12	13.21	12.98	
20	16QAM	1	99	13.06	13.13	13.21	
20	16QAM	50	0	11.92	11.85	11.84	13
20	16QAM	50	24	12.04	11.99	11.87	
20	16QAM	50	50	11.97	11.96	11.93	
20	16QAM	100	0	11.98	11.95	11.85	13
20	64QAM	1	0	12.21	12.18	12.19	
20	64QAM	1	49	12.09	12.19	11.93	
20	64QAM	1	99	12.00	12.13	12.14	13
20	64QAM	50	0	11.89	11.84	11.84	
20	64QAM	50	24	11.96	11.94	11.86	
20	64QAM	50	50	11.89	11.90	11.90	13
20	64QAM	100	0	12.00	11.89	11.78	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	15
15	QPSK	1	0	13.72	13.92	13.88	
15	QPSK	1	37	13.80	13.87	13.69	
15	QPSK	1	74	13.84	13.89	13.83	14
15	QPSK	36	0	12.73	12.77	12.76	
15	QPSK	36	20	12.79	12.92	12.94	
15	QPSK	36	39	12.90	12.90	12.91	14
15	QPSK	75	0	12.75	12.79	12.91	
15	16QAM	1	0	13.23	13.13	13.20	
15	16QAM	1	37	13.07	13.17	12.94	14
15	16QAM	1	74	13.01	13.04	13.14	
15	16QAM	36	0	11.90	11.80	11.82	
15	16QAM	36	20	11.93	11.97	11.86	13
15	16QAM	36	39	11.91	11.87	11.85	
15	16QAM	75	0	11.91	11.87	11.75	
15	64QAM	1	0	12.16	12.14	12.12	13
15	64QAM	1	37	12.00	12.09	11.89	
15	64QAM	1	74	11.89	12.08	12.12	
15	64QAM	36	0	11.77	11.83	11.76	13
15	64QAM	36	20	11.86	11.84	11.85	
15	64QAM	36	39	11.80	11.88	11.80	
15	64QAM	75	0	11.98	11.87	11.71	15
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	15
10	QPSK	1	0	13.82	13.92	13.90	
10	QPSK	1	25	13.70	13.91	13.71	
10	QPSK	1	49	13.80	13.84	13.78	14
10	QPSK	25	0	12.73	12.81	12.82	
10	QPSK	25	12	12.81	12.89	12.87	
10	QPSK	25	25	12.90	12.89	12.90	14
10	QPSK	50	0	12.81	12.70	12.96	
10	16QAM	1	0	13.24	13.14	13.18	
10	16QAM	1	25	13.05	13.17	12.90	14
10	16QAM	1	49	13.02	13.08	13.13	
10	16QAM	25	0	11.80	11.82	11.76	
10	16QAM	25	12	12.01	11.93	11.82	13
10	16QAM	25	25	11.86	11.93	11.86	
10	16QAM	50	0	11.93	11.86	11.81	
10	64QAM	1	0	12.09	12.16	12.09	13
10	64QAM	1	25	12.07	12.13	11.87	
10	64QAM	1	49	11.89	12.10	12.08	
10	64QAM	25	0	11.87	11.83	11.75	13
10	64QAM	25	12	11.92	11.91	11.76	
10	64QAM	25	25	11.78	11.88	11.81	
10	64QAM	50	0	11.92	11.79	11.77	15
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	15
5	QPSK	1	0	13.78	13.95	13.89	
5	QPSK	1	12	13.79	13.86	13.73	
5	QPSK	1	24	13.85	13.82	13.82	14
5	QPSK	12	0	12.81	12.84	12.82	
5	QPSK	12	7	12.82	12.92	12.86	
5	QPSK	12	13	12.93	12.90	12.89	14
5	QPSK	25	0	12.77	12.76	12.96	
5	16QAM	1	0	13.19	13.16	13.19	
5	16QAM	1	12	13.00	13.17	12.92	13
5	16QAM	1	24	12.99	13.10	13.11	
5	16QAM	12	0	11.87	11.75	11.78	
5	16QAM	12	7	11.98	11.92	11.77	13
5	16QAM	12	13	11.85	11.94	11.89	
5	16QAM	25	0	11.97	11.92	11.80	
5	64QAM	1	0	12.11	12.10	12.16	13
5	64QAM	1	12	11.97	12.16	11.90	
5	64QAM	1	24	11.91	12.05	12.12	
5	64QAM	12	0	11.86	11.75	11.78	13
5	64QAM	12	7	11.94	11.91	11.78	
5	64QAM	12	13	11.87	11.89	11.86	
5	64QAM	25	0	11.88	11.88	11.73	15
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	15
3	QPSK	1	0	13.78	13.88	13.85	
3	QPSK	1	8	13.70	13.88	13.75	
3	QPSK	1	14	13.80	13.81	13.86	14
3	QPSK	8	0	13.74	13.72	13.75	
3	QPSK	8	4	12.84	12.87	12.87	
3	QPSK	8	7	12.90	12.90	12.87	14
3	QPSK	15	0	12.79	12.70	12.87	

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	20.5
Frequency (MHz)				673	683	688	
20	QPSK	1	0	19.81	19.94	19.87	19.5
20	QPSK	1	49	19.78	19.84	19.77	
20	QPSK	1	99	19.89	19.86	19.90	
20	QPSK	50	0	18.61	18.69	18.65	
20	QPSK	50	24	18.54	18.57	18.61	
20	QPSK	50	50	18.65	18.68	18.66	19.5
20	QPSK	100	0	18.60	18.70	18.62	
20	16QAM	1	0	18.81	18.85	18.85	
20	16QAM	1	49	18.83	18.92	18.90	
20	16QAM	1	99	18.86	18.93	18.91	
20	16QAM	50	0	17.53	17.57	17.62	18.5
20	16QAM	50	24	17.68	17.70	17.67	
20	16QAM	50	50	17.67	17.72	17.69	
20	16QAM	100	0	17.66	17.58	17.72	
20	64QAM	1	0	17.75	17.89	17.80	
20	64QAM	1	49	17.77	17.92	17.84	18.5
20	64QAM	1	99	17.87	17.98	17.88	
20	64QAM	50	0	17.47	17.51	17.61	
20	64QAM	50	24	17.68	17.68	17.67	
20	64QAM	50	50	17.71	17.71	17.71	
20	64QAM	100	0	17.68	17.55	17.76	18.5
Channel				133197	133297	133397	
Frequency (MHz)				670.5	680.5	690.5	20.5
15	QPSK	1	0	19.75	19.90	19.79	
15	QPSK	1	37	19.70	19.74	19.65	19.5
15	QPSK	1	74	19.77	19.81	19.84	
15	QPSK	36	0	18.34	18.63	18.57	
15	QPSK	36	20	18.44	18.45	18.58	
15	QPSK	36	39	18.64	18.61	18.64	
15	QPSK	75	0	18.48	18.56	18.50	19.5
15	16QAM	1	0	18.75	18.84	18.84	
15	16QAM	1	37	18.78	18.88	18.82	
15	16QAM	1	74	18.82	18.92	18.90	
15	16QAM	36	0	17.43	17.54	17.55	
15	16QAM	36	20	17.57	17.58	17.56	18.5
15	16QAM	36	39	17.65	17.71	17.67	
15	16QAM	75	0	17.55	17.55	17.67	
15	64QAM	1	0	17.71	17.79	17.70	
15	64QAM	1	37	17.74	17.89	17.73	
15	64QAM	1	74	17.78	17.86	17.85	18.5
15	64QAM	36	0	17.41	17.46	17.59	
15	64QAM	36	20	17.56	17.63	17.56	
15	64QAM	36	39	17.69	17.63	17.65	
15	64QAM	75	0	17.58	17.54	17.65	
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	20.5
10	QPSK	1	0	19.72	19.90	19.84	
10	QPSK	1	25	19.76	19.78	19.67	19.5
10	QPSK	1	49	19.84	19.82	19.89	
10	QPSK	25	0	18.40	18.66	18.56	
10	QPSK	25	12	18.52	18.51	18.51	
10	QPSK	25	25	18.61	18.65	18.57	
10	QPSK	50	0	18.53	18.49	18.56	19.5
10	16QAM	1	0	18.76	18.79	18.78	
10	16QAM	1	25	18.82	18.88	18.86	
10	16QAM	1	49	18.78	18.87	18.80	
10	16QAM	25	0	17.50	17.47	17.50	
10	16QAM	25	12	17.59	17.58	17.58	18.5
10	16QAM	25	25	17.61	17.68	17.68	
10	16QAM	50	0	17.63	17.56	17.69	
10	64QAM	1	0	17.72	17.83	17.76	
10	64QAM	1	25	17.72	17.91	17.74	
10	64QAM	1	49	17.78	17.96	17.86	18.5
10	64QAM	25	0	17.35	17.47	17.59	
10	64QAM	25	12	17.58	17.56	17.57	
10	64QAM	25	25	17.61	17.61	17.69	
10	64QAM	50	0	17.58	17.50	17.75	
Channel				133147	133247	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	675.5	695.5	20.5
5	QPSK	1	0	19.71	19.89	19.76	
5	QPSK	1	12	19.68	19.76	19.73	19.5
5	QPSK	1	24	19.83	19.83	19.88	
5	QPSK	12	0	18.37	18.64	18.62	
5	QPSK	12	7	18.42	18.46	18.60	
5	QPSK	12	13	18.55	18.58	18.59	
5	QPSK	25	0	18.57	18.57	18.59	19.5
5	16QAM	1	0	18.71	18.78	18.79	
5	16QAM	1	12	18.76	18.91	18.80	
5	16QAM	1	24	18.79	18.85	18.83	
5	16QAM	12	0	17.48	17.51	17.53	
5	16QAM	12	7	17.62	17.62	17.64	18.5
5	16QAM	12	13	17.66	17.66	17.67	
5	16QAM	25	0	17.61	17.54	17.70	
5	64QAM	1	0	17.68	17.80	17.73	
5	64QAM	1	12	17.70	17.89	17.75	
5	64QAM	1	24	17.75	17.90	17.87	18.5
5	64QAM	12	0	17.38	17.40	17.50	
5	64QAM	12	7	17.64	17.60	17.60	
5	64QAM	12	13	17.61	17.66	17.66	
5	64QAM	25	0	17.58	17.50	17.71	

3	16QAM	1	0	13.20	13.17	13.12	14
3	16QAM	1	8	13.08	13.13	12.96	
3	16QAM	1	14	12.94	13.10	13.20	
3	16QAM	8	0	11.82	11.82	11.77	13
3	16QAM	8	4	11.95	11.92	11.85	
3	16QAM	8	7	11.89	11.88	11.92	
3	16QAM	15	0	11.88	11.86	11.80	13
3	64QAM	1	0	12.20	12.11	12.18	
3	64QAM	1	8	12.07	12.14	11.91	
3	64QAM	1	14	11.95	12.07	12.04	13
3	64QAM	8	0	11.80	11.82	11.74	
3	64QAM	8	4	11.95	11.84	11.85	
3	64QAM	8	7	11.85	11.80	11.84	
3	64QAM	15	0	11.96	11.83	11.72	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	13.77	13.93	13.89	15
1.4	QPSK	1	3	13.80	13.88	13.77	
1.4	QPSK	1	5	13.81	13.89	13.77	
1.4	QPSK	3	0	13.91	13.89	14.03	
1.4	QPSK	3	1	13.94	13.96	13.92	
1.4	QPSK	3	3	13.99	13.96	13.93	
1.4	QPSK	6	0	12.83	12.70	12.94	14
1.4	16QAM	1	0	13.17	13.13	13.12	14
1.4	16QAM	1	3	13.04	13.16	12.89	
1.4	16QAM	1	5	13.04	13.11	13.15	
1.4	16QAM	3	0	12.81	13.03	12.82	
1.4	16QAM	3	1	13.01	12.98	12.84	
1.4	16QAM	3	3	12.88	12.91	12.90	
1.4	16QAM	6	0	11.91	11.87	11.88	13
1.4	64QAM	1	0	12.17	12.10	12.09	13
1.4	64QAM	1	3	12.01	12.17	11.90	
1.4	64QAM	1	5	11.98	12.05	12.08	
1.4	64QAM	3	0	11.91	11.86	11.82	
1.4	64QAM	3	1	11.85	11.90	11.84	
1.4	64QAM	3	3	11.85	11.86	11.89	
1.4	64QAM	6	0	11.97	11.84	11.76	13

CA_7C													
Combination:20MHz+20MHz(100RB+100RB)													
PCC Channel	PCC Channel (3GPP)	UL Fre. (MHz)	SCC Channel	UL Fre. (MHz)	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
						RB Size	RB Offset	RB Size	RB Offset				
20850	20850	2510	21048	2529.8	QPSK	1	0	0	0	1	0	15.08	16.00
21100	21001	2525.1	21199	2544.9	QPSK	1	0	0	0	1	0	15.10	16.00
21350	21152	2540.2	21350	2560	QPSK	1	0	0	0	1	0	15.04	16.00
20850	20850	2510	21048	2529.8	16QAM	1	0	0	0	1	0	14.03	15.00
21100	21001	2525.1	21199	2544.9	16QAM	1	0	0	0	1	0	14.05	15.00
21350	21152	2540.2	21350	2560	16QAM	1	0	0	0	1	0	13.99	15.00
20850	20850	2510	21048	2529.8	64QAM	1	0	0	0	1	0	13.05	14.00
21100	21001	2525.1	21199	2544.9	64QAM	1	0	0	0	1	0	13.03	14.00
21350	21152	2540.2	21350	2560	64QAM	1	0	0	0	1	0	12.99	14.00
20850	20850	2510	21048	2529.8	QPSK	50	0	0	0	1	0	14.05	15.00
21100	21001	2525.1	21199	2544.9	QPSK	50	0	0	0	1	0	14.07	15.00
21350	21152	2540.2	21350	2560	QPSK	50	0	0	0	1	0	14.01	15.00

CA_41C													
Combination:20MHz+20MHz(100RB+100RB)													
PCC Channel	PCC Channel (3GPP)	UL Fre. (MHz)	SCC Channel	UL Fre. (MHz)	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)	Tune-up limit(dBm)
						RB Size	RB Offset	RB Size	RB Offset				
39750	39750	2506	39948	2525.8	QPSK	1	0	0	0	1	0	18.12	19.00
40620	40521	2583.1	40719	2602.9	QPSK	1	0	0	0	1	0	18.22	19.00
41490	41292	2660.2	41490	2680	QPSK	1	0	0	0	1	0	18.15	19.00
39750	39750	2506	39948	2525.8	16QAM	1	0	0	0	1	0	17.18	18.00
40620	40521	2583.1	40719	2602.9	16QAM	1	0	0	0	1	0	17.22	18.00
41490	41292	2660.2	41490	2680	16QAM	1	0	0	0	1	0	17.19	18.00
39750	39750	2506	39948	2525.8	64QAM	1	0	0	0	1	0	15.16	16.00
40620	40521	2583.1	40719	2602.9	64QAM	1	0	0	0	1	0	15.23	16.00
41490	41292	2660.2	41490	2680	64QAM	1	0	0	0	1	0	15.20	16.00
39750	39750	2506	39948	2525.8	QPSK	50	0	0	0	1	0	17.20	18.00
40620	40521	2583.1	40719	2602.9	QPSK	50	0	0	0	1	0	17.21	18.00
41490	41292	2660.2	41490	2680	QPSK	50	0	0	0	1	0	17.18	18.00

Reduced Power Level 2

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	17.66	18.50	17.00	99.10
		CH 7	2442	16.73	17.50	17.00	
		CH 13	2472	16.75	17.50	17.00	
	802.11g 6Mbps	CH 1	2412	16.55	17.50	16.00	98.37
		CH 7	2442	15.96	16.50	16.00	
		CH 13	2472	16.02	17.00	16.00	
	802.11n-HT20 MCS0	CH 1	2412	15.28	16.00	15.00	98.25
		CH 7	2442	14.79	15.50	15.00	
		CH 13	2472	14.75	15.50	15.00	
	802.11n-HT40 MCS0	CH 3	2422	15.11	16.00	15.00	94.96
		CH 7	2442	16.07	17.00	15.00	
		CH 11	2462	15.02	16.00	15.00	

5.2GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	12.52	13.50	12.00	99.04
		CH 44	5220	12.42	13.00	12.00	
		CH 48	5240	12.37	13.00	12.00	
	802.11n-HT20 MCS0	CH 36	5180	12.39	13.00	12.00	97.94
		CH 44	5220	12.38	13.00	12.00	
		CH 48	5240	12.36	13.00	12.00	
	802.11n-HT40 MCS0	CH 38	5190	13.10	14.00	12.00	97.94
		CH 46	5230	12.99	13.50	12.00	
	802.11ac-VHT20 MCS0	CH 36	5180	12.36	13.00	12.00	98.97
		CH 44	5220	12.39	13.00	12.00	
		CH 48	5240	12.34	13.00	12.00	
	802.11ac-VHT40 MCS0	CH 38	5190	13.10	14.00	12.00	95.92
		CH 46	5230	12.96	13.50	12.00	
	802.11ac-VHT80 MCS0	CH 42	5210	12.83	13.50	12.00	92.00

5.8GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	13.05	14.00	13.00	98.08
		CH 157	5785	11.51	12.50	13.00	
		CH 165	5825	10.11	11.00	13.00	
	802.11n-HT20 MCS0	CH 149	5745	13.28	14.00	13.00	98.97
		CH 157	5785	11.40	12.00	13.00	
		CH 165	5825	9.92	10.50	13.00	
	802.11n-HT40 MCS0	CH 151	5755	14.04	15.00	13.00	95.92
		CH 159	5795	11.95	12.50	13.00	
	802.11ac-VHT20 MCS0	CH 149	5745	13.27	14.00	13.00	97.96
		CH 157	5785	11.40	12.00	13.00	
		CH 165	5825	9.95	10.50	13.00	
	802.11ac-VHT40 MCS0	CH 151	5755	13.98	14.50	13.00	95.92
		CH 159	5795	11.94	12.50	13.00	
	802.11ac-VHT80 MCS0	CH 155	5775	12.76	13.50	13.00	92.00

Reduced Power Level 3

2.4GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 1	802.11b 1Mbps	CH 1	2412	14.16	15.00	13.50	99.10
		CH 7	2442	13.23	14.00	13.50	
		CH 13	2472	13.25	14.00	13.50	
	802.11g 6Mbps	CH 1	2412	13.05	14.00	12.50	98.37
		CH 7	2442	12.46	13.00	12.50	
		CH 13	2472	12.52	13.50	12.50	
	802.11n-HT20 MCS0	CH 1	2412	11.78	12.50	11.50	98.25
		CH 7	2442	11.29	12.00	11.50	
		CH 13	2472	11.25	12.00	11.50	
	802.11n-HT40 MCS0	CH 3	2422	11.61	12.50	11.50	94.96
		CH 7	2442	12.57	13.50	11.50	
		CH 11	2462	11.52	12.50	11.50	

5.2GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 1	802.11a 6Mbps	CH 36	5180	9.52	10.50	9.00	99.04
		CH 44	5220	9.42	10.00	9.00	
		CH 48	5240	9.37	10.00	9.00	
	802.11n-HT20 MCS0	CH 36	5180	9.39	10.00	9.00	97.94
		CH 44	5220	9.38	10.00	9.00	
		CH 48	5240	9.36	10.00	9.00	
	802.11n-HT40 MCS0	CH 38	5190	10.10	11.00	9.00	97.94
		CH 46	5230	9.99	10.50	9.00	
	802.11ac-VHT20 MCS0	CH 36	5180	9.36	10.00	9.00	98.97
		CH 44	5220	9.39	10.00	9.00	
		CH 48	5240	9.34	10.00	9.00	
	802.11ac-VHT40 MCS0	CH 38	5190	10.10	11.00	9.00	95.92
		CH 46	5230	9.96	10.50	9.00	
	802.11ac-VHT80 MCS0	CH 42	5210	9.83	10.50	9.00	92.00

5.8GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 1	802.11a 6Mbps	CH 149	5745	10.05	11.00	10.00	98.08
		CH 157	5785	8.51	9.50	10.00	
		CH 165	5825	7.11	8.00	10.00	
	802.11n-HT20 MCS0	CH 149	5745	10.28	11.00	10.00	98.97
		CH 157	5785	8.40	9.00	10.00	
		CH 165	5825	6.92	7.50	10.00	
	802.11n-HT40 MCS0	CH 151	5755	11.04	12.00	10.00	95.92
		CH 159	5795	8.95	9.50	10.00	
	802.11ac-VHT20 MCS0	CH 149	5745	10.27	11.00	10.00	97.96
		CH 157	5785	8.40	9.00	10.00	
		CH 165	5825	6.95	7.50	10.00	
	802.11ac-VHT40 MCS0	CH 151	5755	10.98	11.50	10.00	95.92
		CH 159	5795	8.94	9.50	10.00	
	802.11ac-VHT80 MCS0	CH 155	5775	9.76	10.50	10.00	92.00