



REPORT No.: SZ21030417S01

Annex E Conducted Power

Full Power

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	23.69	23.77	23.64	24.50	23.49	23.71	23.60	24.50	23.87	23.93	23.77	24.50
3GPP Rel 6	HSDPA Subtest-1	22.74	22.82	22.80	23.50	22.75	22.77	22.75	23.50	22.92	22.95	22.87	23.50
3GPP Rel 6	HSDPA Subtest-2	22.86	23.08	22.90	23.50	22.82	22.88	22.94	23.50	22.94	22.96	22.91	23.50
3GPP Rel 6	HSDPA Subtest-3	22.22	22.34	22.28	23.00	22.28	22.29	22.26	23.00	22.81	22.46	22.38	23.00
3GPP Rel 6	HSDPA Subtest-4	22.16	22.35	22.25	23.00	22.29	22.32	22.25	23.00	22.69	22.50	22.39	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.95	22.87	22.89	23.50	22.76	22.84	22.73	23.50	23.04	23.06	22.96	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.93	22.87	22.93	23.50	22.76	22.82	22.80	23.50	23.04	23.06	22.97	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.33	22.33	22.37	23.00	22.23	22.30	22.29	23.00	22.54	22.57	22.49	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.30	22.39	22.42	23.00	22.20	22.30	22.31	23.00	22.54	22.56	22.51	23.00
3GPP Rel 6	HSUPA Subtest-1	22.85	22.93	22.81	23.50	22.77	22.95	22.74	23.50	22.94	22.89	22.99	23.50
3GPP Rel 6	HSUPA Subtest-2	22.25	22.70	22.29	23.50	22.25	22.50	22.31	23.50	22.43	22.44	22.36	23.50
3GPP Rel 6	HSUPA Subtest-3	22.74	22.87	22.75	23.50	22.73	22.80	22.75	23.50	22.94	22.98	22.95	23.50
3GPP Rel 6	HSUPA Subtest-4	22.72	22.86	22.77	23.50	22.77	22.83	22.78	23.50	22.93	22.93	22.86	23.50
3GPP Rel 6	HSUPA Subtest-5	22.68	22.87	22.80	23.50	22.80	22.93	22.74	23.50	22.89	22.93	22.98	23.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	22.76	22.80	22.76	23.50	22.77	22.82	22.75	23.50	22.91	22.99	22.97	23.50
Mode			Max.	23.77			Max.	23.71			Max.	23.93	

Band 2 (Full Power)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	23.59	23.63	23.52	24
20	QPSK	1	49	23.52	23.42	23.41	
20	QPSK	1	99	23.41	23.32	23.24	
20	QPSK	50	0	22.59	22.63	22.50	23
20	QPSK	50	24	22.50	22.59	22.41	
20	QPSK	50	50	22.43	22.51	22.30	
20	QPSK	100	0	22.33	22.39	22.26	23
20	16QAM	1	0	22.53	22.67	22.52	
20	16QAM	1	49	22.41	22.65	22.47	
20	16QAM	1	99	22.36	22.61	22.45	23
20	16QAM	50	0	22.54	22.56	22.58	
20	16QAM	50	24	22.48	22.50	22.51	
20	16QAM	50	50	22.39	22.37	22.46	23
20	16QAM	100	0	22.36	22.33	22.39	
20	64QAM	1	0	22.34	22.59	22.54	
20	64QAM	1	49	22.24	22.53	22.51	23
20	64QAM	1	99	22.19	22.42	22.38	
20	64QAM	50	0	22.31	22.34	22.25	
20	64QAM	50	24	22.28	22.31	22.17	23
20	64QAM	50	50	22.14	22.20	22.05	
20	64QAM	100	0	22.07	22.12	22.00	
20	256QAM	1	0	18.29	18.38	18.34	19
20	256QAM	1	49	18.27	18.32	18.28	
20	256QAM	1	99	18.30	18.24	18.18	
20	256QAM	50	0	17.88	17.95	17.92	18.5
20	256QAM	50	24	17.81	17.93	17.84	
20	256QAM	50	50	17.76	17.84	17.79	
20	256QAM	100	0	17.79	17.85	17.80	Tune-up limit (dBm)
Channel				18675	18900	19125	
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	23.57	23.58	23.49	24
15	QPSK	1	37	23.49	23.39	23.38	
15	QPSK	1	74	23.36	23.31	23.18	
15	QPSK	36	0	22.55	22.61	22.45	23
15	QPSK	36	20	22.48	22.54	22.39	
15	QPSK	36	39	22.40	22.48	22.27	
15	QPSK	75	0	22.30	22.34	22.24	23
15	16QAM	1	0	22.50	22.65	22.47	
15	16QAM	1	37	22.35	22.63	22.44	
15	16QAM	1	74	22.34	22.56	22.40	23
15	16QAM	36	0	22.49	22.51	22.53	
15	16QAM	36	20	22.46	22.46	22.46	
15	16QAM	36	39	22.36	22.31	22.42	23
15	16QAM	75	0	22.32	22.27	22.37	
15	64QAM	1	0	22.29	22.55	22.49	
15	64QAM	1	37	22.22	22.50	22.45	23
15	64QAM	1	74	22.16	22.38	22.34	
15	64QAM	36	0	22.30	22.28	22.21	
15	64QAM	36	20	22.24	22.27	22.11	23
15	64QAM	36	39	22.08	22.16	22.03	
15	64QAM	75	0	22.02	22.08	21.96	
15	256QAM	1	0	18.24	18.36	18.29	19
15	256QAM	1	37	18.23	18.26	18.25	
15	256QAM	1	74	18.25	18.22	18.16	
15	256QAM	36	0	17.86	17.90	17.88	18.5
15	256QAM	36	20	17.80	17.91	17.79	
15	256QAM	36	39	17.74	17.79	17.75	
15	256QAM	75	0	17.78	17.79	17.76	Tune-up limit (dBm)
Channel				18650	18900	19150	
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	23.52	23.53	23.44	24
10	QPSK	1	25	23.44	23.34	23.33	
10	QPSK	1	49	23.31	23.26	23.13	
10	QPSK	25	0	22.50	22.56	22.40	23
10	QPSK	25	12	22.43	22.49	22.34	
10	QPSK	25	25	22.35	22.43	22.22	
10	QPSK	50	0	22.25	22.29	22.19	23
10	16QAM	1	0	22.45	22.60	22.42	
10	16QAM	1	25	22.30	22.58	22.39	
10	16QAM	1	49	22.29	22.51	22.35	23
10	16QAM	25	0	22.44	22.46	22.48	
10	16QAM	25	12	22.41	22.41	22.41	
10	16QAM	25	25	22.31	22.28	22.37	23
10	16QAM	50	0	22.27	22.22	22.32	
10	64QAM	1	0	22.24	22.50	22.44	
10	64QAM	1	25	22.17	22.45	22.40	23
10	64QAM	1	49	22.11	22.33	22.29	
10	64QAM	25	0	22.25	22.23	22.16	
10	64QAM	25	12	22.19	22.22	22.06	23
10	64QAM	25	25	22.03	22.11	21.98	
10	64QAM	50	0	21.97	22.03	21.91	
10	256QAM	1	0	18.19	18.31	18.24	19
10	256QAM	1	25	18.18	18.21	18.20	
10	256QAM	1	49	18.20	18.17	18.11	
10	256QAM	25	0	17.81	17.85	17.83	18.5
10	256QAM	25	12	17.75	17.86	17.74	
10	256QAM	25	25	17.69	17.74	17.70	
10	256QAM	50	0	17.73	17.74	17.71	Tune-up limit (dBm)
Channel				18625	18900	19175	
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.47	23.48	23.39	24
5	QPSK	1	12	23.39	23.29	23.28	
5	QPSK	1	24	23.26	23.21	23.08	
5	QPSK	12	0	22.45	22.51	22.35	23
5	QPSK	12	7	22.38	22.44	22.29	
5	QPSK	12	13	22.30	22.38	22.17	
5	QPSK	25	0	22.20	22.24	22.14	23
5	16QAM	1	0	22.40	22.55	22.37	
5	16QAM	1	12	22.25	22.53	22.34	
5	16QAM	1	24	22.24	22.46	22.30	23
5	16QAM	12	0	22.39	22.41	22.43	

Band 4 (Full Power)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	23.68	23.75	23.70	24.5
20	QPSK	1	49	23.62	23.65	23.63	
20	QPSK	1	99	23.58	23.57	23.53	
20	QPSK	50	0	22.64	22.69	22.65	23
20	QPSK	50	24	22.63	22.61	22.62	
20	QPSK	50	50	22.58	22.55	22.52	
20	QPSK	100	0	22.50	22.52	22.48	23
20	16QAM	1	0	22.61	22.66	22.57	
20	16QAM	1	49	22.51	22.65	22.48	
20	16QAM	1	99	22.47	22.63	22.38	23
20	16QAM	50	0	22.47	22.52	22.56	
20	16QAM	50	24	22.43	22.43	22.47	
20	16QAM	50	50	22.39	22.37	22.43	23
20	16QAM	100	0	22.33	22.35	22.40	
20	64QAM	1	0	22.68	22.49	22.70	
20	64QAM	1	49	22.66	22.48	22.68	23
20	64QAM	1	99	22.60	22.44	22.64	
20	64QAM	50	0	22.57	22.24	22.27	
20	64QAM	50	24	22.19	22.22	22.19	23
20	64QAM	50	50	22.13	22.14	22.10	
20	64QAM	100	0	22.12	22.11	22.09	
20	256QAM	1	0	18.39	18.44	18.40	19
20	256QAM	1	49	18.36	18.38	18.31	
20	256QAM	1	99	18.34	18.34	18.29	
20	256QAM	50	0	17.91	17.94	17.85	18
20	256QAM	50	24	17.83	17.85	17.84	
20	256QAM	50	50	17.77	17.77	17.77	
20	256QAM	100	0	17.69	17.76	17.71	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	23.67	23.73	23.65	24.5
15	QPSK	1	37	23.56	23.63	23.58	
15	QPSK	1	74	23.54	23.55	23.51	
15	QPSK	36	0	22.62	22.66	22.64	23
15	QPSK	36	20	22.59	22.56	22.60	
15	QPSK	36	39	22.56	22.53	22.50	
15	QPSK	75	0	22.48	22.46	22.46	23
15	16QAM	1	0	22.56	22.63	22.52	
15	16QAM	1	37	22.48	22.61	22.45	
15	16QAM	1	74	22.41	22.60	22.34	23
15	16QAM	36	0	22.46	22.49	22.50	
15	16QAM	36	20	22.38	22.38	22.43	
15	16QAM	36	39	22.37	22.33	22.41	23
15	16QAM	75	0	22.28	22.31	22.38	
15	64QAM	1	0	22.67	22.45	22.67	
15	64QAM	1	37	22.61	22.47	22.64	23
15	64QAM	1	74	22.59	22.42	22.59	
15	64QAM	36	0	22.54	22.22	22.25	
15	64QAM	36	20	22.14	22.16	22.14	23
15	64QAM	36	39	22.08	22.12	22.05	
15	64QAM	75	0	22.09	22.08	22.04	19
15	256QAM	1	0	18.36	18.38	18.35	
15	256QAM	1	37	18.32	18.33	18.29	
15	256QAM	1	74	18.30	18.31	18.27	18
15	256QAM	36	0	17.87	17.92	17.83	
15	256QAM	36	20	17.80	17.80	17.82	
15	256QAM	36	39	17.72	17.71	17.76	18
15	256QAM	75	0	17.64	17.74	17.69	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.65	23.69	23.64	24.5
10	QPSK	1	25	23.57	23.57	23.56	
10	QPSK	1	49	23.52	23.49	23.47	
10	QPSK	25	0	22.50	22.63	22.58	23
10	QPSK	25	12	22.59	22.51	22.52	
10	QPSK	25	25	22.56	22.46	22.45	
10	QPSK	50	0	22.47	22.46	22.43	23
10	16QAM	1	0	22.54	22.56	22.49	
10	16QAM	1	25	22.45	22.59	22.44	
10	16QAM	1	49	22.40	22.56	22.35	23
10	16QAM	25	0	22.42	22.44	22.50	
10	16QAM	25	12	22.34	22.35	22.42	
10	16QAM	25	25	22.29	22.29	22.34	23
10	16QAM	50	0	22.26	22.30	22.35	
10	64QAM	1	0	22.62	22.41	22.65	
10	64QAM	1	25	22.62	22.41	22.57	23
10	64QAM	1	49	22.50	22.39	22.57	
10	64QAM	25	0	22.48	22.20	22.18	
10	64QAM	25	12	22.13	22.14	22.09	23
10	64QAM	25	25	22.03	22.06	22.02	
10	64QAM	50	0	22.05	22.03	21.99	
10	256QAM	1	0	18.36	18.40	18.36	19
10	256QAM	1	25	18.30	18.27	18.26	
10	256QAM	1	49	18.27	18.25	18.25	
10	256QAM	25	0	17.81	17.87	17.80	18
10	256QAM	25	12	17.79	17.77	17.80	
10	256QAM	25	25	17.71	17.71	17.70	
10	256QAM	50	0	17.62	17.65	17.60	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.64	23.66	23.62	24.5
5	QPSK	1	12	23.53	23.51	23.52	
5	QPSK	1	24	23.50	23.44	23.43	
5	QPSK	12	0	22.47	22.58	22.54	23
5	QPSK	12	7	22.45	22.45	22.47	
5	QPSK	12	13	22.54	22.41	22.43	
5	QPSK	25	0	22.42	22.41	22.39	23
5	16QAM	1	0	22.49	22.52	22.44	
5	16QAM	1	12	22.41	22.53	22.41	
5	16QAM	1	24	22.34	22.52	22.29	23
5	16QAM	12	0	22.40	22.43	22.47	

5	64QAM	1	12	22.12	22.40	22.35	23
5	64QAM	1	24	22.06	22.28	22.24	23
5	64QAM	12	0	22.20	22.18	22.11	
5	64QAM	12	7	22.14	22.17	22.01	
5	64QAM	12	13	21.98	22.06	21.93	
5	64QAM	25	0	21.92	21.98	21.86	19
5	256QAM	1	0	18.14	18.26	18.19	
5	256QAM	1	12	18.13	18.16	18.15	
5	256QAM	1	24	18.15	18.12	18.06	
5	256QAM	12	0	17.76	17.80	17.78	18.5
5	256QAM	12	7	17.70	17.81	17.69	
5	256QAM	12	13	17.64	17.69	17.65	
5	256QAM	25	0	17.68	17.69	17.66	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.42	23.43	23.34	24
3	QPSK	1	8	23.34	23.24	23.23	
3	QPSK	1	14	23.21	23.16	23.03	
3	QPSK	8	0	22.40	22.46	22.30	
3	QPSK	8	4	22.33	22.39	22.24	23
3	QPSK	8	7	22.25	22.33	22.12	
3	QPSK	15	0	22.15	22.19	22.09	
3	16QAM	1	0	22.35	22.50	22.32	
3	16QAM	1	8	22.20	22.48	22.29	23
3	16QAM	1	14	22.19	22.41	22.25	
3	16QAM	8	0	22.34	22.36	22.38	
3	16QAM	8	4	22.31	22.31	22.31	
3	16QAM	8	7	22.21	22.16	22.27	23
3	16QAM	15	0	22.17	22.12	22.22	
3	64QAM	1	0	22.14	22.40	22.34	
3	64QAM	1	8	22.07	22.35	22.30	
3	64QAM	1	14	22.01	22.23	22.19	23
3	64QAM	8	0	22.15	22.13	22.06	
3	64QAM	8	4	22.09	22.12	21.96	
3	64QAM	8	7	21.93	22.01	21.88	
3	64QAM	15	0	21.87	21.93	21.81	18.5
3	256QAM	1	0	18.09	18.21	18.14	
3	256QAM	1	8	18.08	18.11	18.10	
3	256QAM	1	14	18.10	18.07	18.01	
3	256QAM	8	0	17.71	17.75	17.73	18.5
3	256QAM	8	4	17.65	17.76	17.64	
3	256QAM	8	7	17.59	17.64	17.60	
3	256QAM	15	0	17.63	17.64	17.61	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.37	23.38	23.29	24
1.4	QPSK	1	3	23.29	23.19	23.18	
1.4	QPSK	1	5	23.16	23.11	22.98	
1.4	QPSK	3	0	22.35	22.41	22.25	
1.4	QPSK	3	1	22.28	22.34	22.19	23
1.4	QPSK	3	3	22.20	22.28	22.07	
1.4	QPSK	6	0	22.10	22.14	22.04	
1.4	16QAM	1	0	22.30	22.45	22.27	
1.4	16QAM	1	3	22.15	22.43	22.24	23
1.4	16QAM	1	5	22.14	22.36	22.20	
1.4	16QAM	3	0	22.29	22.31	22.33	
1.4	16QAM	3	1	22.26	22.28	22.26	
1.4	16QAM	3	3	22.16	22.11	22.22	23
1.4	16QAM	6	0	22.12	22.07	22.17	
1.4	64QAM	1	0	22.09	22.35	22.29	
1.4	64QAM	1	3	22.02	22.30	22.25	
1.4	64QAM	1	5	21.96	22.18	22.14	23
1.4	64QAM	3	0	22.10	22.08	22.01	
1.4	64QAM	3	1	22.04	22.07	21.91	
1.4	64QAM	3	3	21.88	21.96	21.83	
1.4	64QAM	6	0	21.82	21.88	21.76	23
1.4	256QAM	1	0	18.04	18.16	18.09	
1.4	256QAM	1	3	18.03	18.06	18.05	
1.4	256QAM	1	5	18.05	18.02	17.96	
1.4	256QAM	3	0	17.66	17.70	17.68	
1.4	256QAM	3	1	17.60	17.71	17.59	18.5
1.4	256QAM	3	3	17.54	17.59	17.55	
1.4	256QAM	6	0	17.58	17.59	17.56	

5	64QAM	1	12	22.57	22.36	22.56	23
5	64QAM	1	24	22.48	22.34	22.55	23
5	64QAM	12	0	22.43	22.18	22.12	
5	64QAM	12	7	22.09	22.10	22.07	
5	64QAM	12	13	22.01	22.01	22.00	
5	64QAM	25	0	22.03	21.99	21.97	19
5	256QAM	1	0	18.32	18.38	18.32	
5	256QAM	1	12	18.28	18.26	18.24	
5	256QAM	1	24	18.21	18.22	18.22	
5	256QAM	12	0	17.77	17.82	17.74	18
5	256QAM	12	7	17.73	17.72	17.77	
5	256QAM	12	13	17.66	17.69	17.69	
5	256QAM	25	0	17.56	17.63	17.58	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.59	23.61	23.57	24.5
3	QPSK	1	8	23.48	23.46	23.47	
3	QPSK	1	14	23.47	23.39	23.38	
3	QPSK	8	0	22.42	22.53	22.49	
3	QPSK	8	4	22.39	22.40	22.42	23
3	QPSK	8	7	22.35	22.36	22.38	
3	QPSK	15	0	22.37	22.36	22.34	
3	16QAM	1	0	22.44	22.47	22.39	
3	16QAM	1	8	22.36	22.48	22.36	23
3	16QAM	1	14	22.29	22.47	22.24	
3	16QAM	8	0	22.35	22.38	22.42	
3	16QAM	8	4	22.24	22.27	22.35	
3	16QAM	8	7	22.21	22.22	22.25	23
3	16QAM	15	0	22.17	22.23	22.26	
3	64QAM	1	0	22.52	22.30	22.54	
3	64QAM	1	8	22.52	22.31	22.51	
3	64QAM	1	14	22.43	22.29	22.50	23
3	64QAM	8	0	22.38	22.13	22.07	
3	64QAM	8	4	22.04	22.05	22.02	
3	64QAM	8	7	21.96	21.96	21.95	
3	64QAM	15	0	21.98	21.94	21.92	19
3	256QAM	1	0	18.27	18.33	18.27	
3	256QAM	1	8	18.23	18.21	18.19	
3	256QAM	1	14	18.16	18.17	18.17	
3	256QAM	8	0	17.72	17.77	17.69	18
3	256QAM	8	4	17.68	17.67	17.72	
3	256QAM	8	7	17.61	17.64	17.64	
3	256QAM	15	0	17.51	17.58	17.53	
Channel				19967	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.57	23.59	23.55	24.5
1.4	QPSK	1	3	23.46	23.44	23.45	
1.4	QPSK	1	5	23.47	23.37	23.36	
1.4	QPSK	3	0	22.42	22.51	22.47	
1.4	QPSK	3	1	22.40	22.38	22.40	23
1.4	QPSK	3	3	22.39	22.34	22.36	
1.4	QPSK	6	0	22.35	22.34	22.32	
1.4	16QAM	1	0	22.39	22.42	22.34	
1.4	16QAM	1	3	22.31	22.43	22.31	23
1.4	16QAM	1	5	22.24	22.42	22.19	
1.4	16QAM	3	0	22.30	22.33	22.37	
1.4	16QAM	3	1	22.19	22.22	22.30	
1.4	16QAM	3	3	22.16	22.17	22.20	23
1.4	16QAM	6	0	22.12	22.18	22.21	
1.4	64QAM	1	0	22.47	22.25	22.49	
1.4	64QAM	1	3	22.47	22.26	22.46	
1.4	64QAM	1	5	22.38	22.24	22.45	23
1.4	64QAM	3	0	22.33	22.08	22.02	
1.4	64QAM	3	1	21.99	22.00	21.97	
1.4	64QAM	3	3	21.91	21.91	21.90	
1.4	64QAM	6	0	21.93	21.89	21.87	23
1.4	256QAM	1	0	18.22	18.28	18.22	
1.4	256QAM	1	3	18.18	18.16	18.14	
1.4	256QAM	1	5	18.11	18.12	18.12	
1.4	256QAM	3	0	17.67	17.72	17.64	
1.4	256QAM	3	1	17.63	17.62	17.67	19
1.4	256QAM	3	3	17.56	17.59	17.59	
1.4	256QAM	6	0	17.46	17.53	17.48	

Band 5 (Full Power)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20490	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.06	24.15	24.09	24.5
10	QPSK	1	25	23.98	24.06	24.01	
10	QPSK	1	49	23.95	24.02	23.98	
10	QPSK	25	0	23.04	23.06	23.02	23.5
10	QPSK	25	12	22.96	22.96	22.99	
10	QPSK	25	25	22.87	22.91	22.96	
10	QPSK	50	0	22.79	22.80	22.94	23.5
10	16QAM	1	0	22.64	22.70	22.62	
10	16QAM	1	25	22.60	22.64	22.55	
10	16QAM	1	49	22.57	22.61	22.54	23.5
10	16QAM	25	0	22.46	22.42	22.38	
10	16QAM	25	12	22.44	22.35	22.32	
10	16QAM	25	25	22.34	22.28	22.29	23.5
10	16QAM	50	0	22.27	22.24	22.24	
10	64QAM	1	0	22.50	22.59	22.60	
10	64QAM	1	25	22.47	22.55	22.55	23.5
10	64QAM	1	49	22.39	22.51	22.51	
10	64QAM	25	0	22.32	22.25	22.34	
10	64QAM	25	12	22.23	22.13	22.23	23.5
10	64QAM	25	25	22.19	22.08	22.15	
10	64QAM	50	0	22.13	21.97	22.08	
10	256QAM	1	0	18.64	18.69	18.62	19.5
10	256QAM	1	25	18.59	18.60	18.59	
10	256QAM	1	49	18.56	18.52	18.57	
10	256QAM	25	0	17.78	17.90	17.74	18.5
10	256QAM	25	12	17.72	17.85	17.66	
10	256QAM	25	25	17.67	17.75	17.57	
10	256QAM	50	0	17.64	17.73	17.48	18.5
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	24.01	24.10	24.04	24.5
5	QPSK	1	12	23.93	24.01	23.96	
5	QPSK	1	24	23.90	23.97	23.93	
5	QPSK	12	0	22.99	23.01	22.97	23.5
5	QPSK	12	7	22.91	22.91	22.94	
5	QPSK	12	13	22.82	22.86	22.91	
5	QPSK	25	0	22.74	22.75	22.89	23.5
5	16QAM	1	0	22.59	22.65	22.57	
5	16QAM	1	12	22.55	22.59	22.50	
5	16QAM	1	24	22.52	22.56	22.49	23.5
5	16QAM	12	0	22.41	22.37	22.33	
5	16QAM	12	7	22.39	22.30	22.27	
5	16QAM	12	13	22.29	22.23	22.24	23.5
5	16QAM	25	0	22.22	22.19	22.19	
5	64QAM	1	0	22.45	22.54	22.55	
5	64QAM	1	12	22.42	22.50	22.50	23.5
5	64QAM	1	24	22.34	22.46	22.46	
5	64QAM	12	0	22.27	22.20	22.29	
5	64QAM	12	7	22.18	22.08	22.18	23.5
5	64QAM	12	13	22.14	22.03	22.10	
5	64QAM	25	0	22.08	21.92	22.03	
5	256QAM	1	0	18.59	18.64	18.57	19.5
5	256QAM	1	12	18.54	18.55	18.54	
5	256QAM	1	24	18.51	18.47	18.52	
5	256QAM	12	0	17.73	17.85	17.69	18.5
5	256QAM	12	7	17.67	17.80	17.61	
5	256QAM	12	13	17.62	17.70	17.52	
5	256QAM	25	0	17.59	17.68	17.43	18.5
Channel				20415	20525	20635	
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)
3	QPSK	1	0	23.97	24.06	24.00	24.5
3	QPSK	1	8	23.89	23.97	23.92	
3	QPSK	1	14	23.86	23.93	23.89	
3	QPSK	8	0	22.95	22.97	22.93	23.5
3	QPSK	8	4	22.87	22.87	22.90	
3	QPSK	8	7	22.78	22.82	22.87	
3	QPSK	15	0	22.70	22.71	22.85	23
3	16QAM	1	0	22.55	22.61	22.53	
3	16QAM	1	8	22.51	22.55	22.46	
3	16QAM	1	14	22.48	22.52	22.45	23
3	16QAM	8	0	22.37	22.33	22.29	
3	16QAM	8	4	22.35	22.28	22.23	
3	16QAM	8	7	22.25	22.19	22.20	23
3	16QAM	15	0	22.18	22.15	22.15	
3	64QAM	1	0	22.41	22.50	22.51	
3	64QAM	1	8	22.38	22.46	22.46	23
3	64QAM	1	14	22.30	22.42	22.42	
3	64QAM	8	0	22.23	22.16	22.25	
3	64QAM	8	4	22.14	22.04	22.14	23
3	64QAM	8	7	22.10	21.99	22.06	
3	64QAM	15	0	22.04	21.88	21.99	
3	256QAM	1	0	18.55	18.60	18.53	19
3	256QAM	1	8	18.50	18.51	18.50	
3	256QAM	1	14	18.47	18.43	18.48	
3	256QAM	8	0	17.69	17.81	17.65	18
3	256QAM	8	4	17.63	17.76	17.57	
3	256QAM	8	7	17.58	17.66	17.48	
3	256QAM	15	0	17.55	17.64	17.39	18
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.94	24.03	23.97	24.5
1.4	QPSK	1	3	23.86	23.94	23.89	
1.4	QPSK	1	5	23.83	23.90	23.86	
1.4	QPSK	3	0	22.92	22.94	22.90	23.5
1.4	QPSK	3	1	22.84	22.84	22.87	
1.4	QPSK	3	3	22.75	22.79	22.84	
1.4	QPSK	6	0	22.67	22.68	22.82	23.5
1.4	16QAM	1	0	22.52	22.58	22.50	
1.4	16QAM	1	3	22.48	22.52	22.43	
1.4	16QAM	1	5	22.45	22.49	22.42	23
1.4	16QAM	3	0	22.34	22.30	22.26	

Band 12 (Full Power)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23060	23095	23130	Tune-up limit (dBm)
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.97	24.08	24.00	24.5
10	QPSK	1	25	23.88	24.02	23.94	
10	QPSK	1	49	23.84	24.00	23.89	
10	QPSK	25	0	22.84	22.91	22.86	23.5
10	QPSK	25	12	22.81	22.80	22.84	
10	QPSK	25	25	22.70	22.76	22.77	
10	QPSK	50	0	22.66	22.74	22.75	23.5
10	16QAM	1	0	22.81	22.92	22.90	
10	16QAM	1	25	22.78	22.83	22.81	
10	16QAM	1	49	22.69	22.73	22.77	23.5
10	16QAM	25	0	22.52	22.62	22.56	
10	16QAM	25	12	22.43	22.51	22.54	
10	16QAM	25	25	22.32	22.48	22.49	23.5
10	16QAM	50	0	22.29	22.39	22.38	
10	64QAM	1	0	22.88	22.66	22.60	
10	64QAM	1	25	22.80	22.64	22.56	23.5
10	64QAM	1	49	22.77	22.60	22.47	
10	64QAM	25	0	22.41	22.44	22.38	
10	64QAM	25	12	22.33	22.33	22.32	23.5
10	64QAM	25	25	22.26	22.23	22.26	
10	64QAM	50	0	22.24	22.13	22.17	
10	256QAM	1	0	18.74	18.83	18.78	19.5
10	256QAM	1	25	18.68	18.76	18.74	
10	256QAM	1	49	18.65	18.69	18.69	
10	256QAM	25	0	17.90	17.96	17.86	18.5
10	256QAM	25	12	17.88	17.88	17.76	
10	256QAM	25	25	17.84	17.84	17.67	
10	256QAM	50	0	17.77	17.78	17.59	18.5
Channel				23035	23095	23155	
Frequency (MHz)				701.5	707.5	713.5	Tune-up limit (dBm)
5	QPSK	1	0	23.92	24.03	23.95	24.5
5	QPSK	1	12	23.83	23.97	23.89	
5	QPSK	1	24	23.79	23.95	23.84	
5	QPSK	12	0	22.79	22.86	22.81	23.5
5	QPSK	12	7	22.76	22.75	22.79	
5	QPSK	12	13	22.65	22.71	22.72	
5	QPSK	25	0	22.61	22.69	22.70	23.5
5	16QAM	1	0	22.76	22.87	22.85	
5	16QAM	1	12	22.73	22.78	22.76	
5	16QAM	1	24	22.64	22.68	22.72	23.5
5	16QAM	12	0	22.47	22.57	22.51	
5	16QAM	12	7	22.38	22.46	22.49	
5	16QAM	12	13	22.27	22.43	22.44	23.5
5	16QAM	25	0	22.24	22.34	22.33	
5	64QAM	1	0	22.83	22.61	22.55	
5	64QAM	1	12	22.75	22.59	22.51	23.5
5	64QAM	1	24	22.72	22.55	22.42	
5	64QAM	12	0	22.36	22.39	22.33	
5	64QAM	12	7	22.28	22.28	22.27	23.5
5	64QAM	12	13	22.21	22.18	22.21	
5	64QAM	25	0	22.19	22.08	22.12	
5	256QAM	1	0	18.69	18.78	18.73	19.5
5	256QAM	1	12	18.63	18.71	18.69	
5	256QAM	1	24	18.60	18.64	18.64	
5	256QAM	12	0	17.85	17.91	17.81	18.5
5	256QAM	12	7	17.83	17.83	17.71	
5	256QAM	12	13	17.79	17.79	17.62	
5	256QAM	25	0	17.72	17.73	17.54	18.5
Channel				23025	23095	23165	
Frequency (MHz)				700.5	707.5	714.5	Tune-up limit (dBm)
3	QPSK	1	0	23.87	23.98	23.90	24.5
3	QPSK	1	8	23.78	23.92	23.84	
3	QPSK	1	14	23.74	23.90	23.79	
3	QPSK	8	0	22.74	22.81	22.76	23.5
3	QPSK	8	4	22.71	22.70	22.74	
3	QPSK	8	7	22.60	22.66	22.67	
3	QPSK	15	0	22.56	22.64	22.65	23.5
3	16QAM	1	0	22.71	22.82	22.80	
3	16QAM	1	8	22.68	22.73	22.71	
3	16QAM	1	14	22.59	22.63	22.67	23.5
3	16QAM	8	0	22.42	22.52	22.46	
3	16QAM	8	4	22.33	22.41	22.44	
3	16QAM	8	7	22.22	22.38	22.39	23.5
3	16QAM	15	0	22.19	22.29	22.28	
3	64QAM	1	0	22.78	22.56	22.50	
3	64QAM	1	8	22.70	22.54	22.46	23.5
3	64QAM	1	14	22.67	22.50	22.37	
3	64QAM	8	0	22.31	22.34	22.28	
3	64QAM	8	4	22.23	22.23	22.22	23.5
3	64QAM	8	7	22.16	22.13	22.16	
3	64QAM	15	0	22.14	22.03	22.07	
3	256QAM	1	0	18.64	18.73	18.68	19.5
3	256QAM	1	8	18.58	18.66	18.64	
3	256QAM	1	14	18.55	18.59	18.59	
3	256QAM	8	0	17.80	17.86	17.76	18.5
3	256QAM	8	4	17.78	17.78	17.66	
3	256QAM	8	7	17.74	17.74	17.57	
3	256QAM	15	0	17.67	17.68	17.49	18.5
Channel				23017	23095	23173	
Frequency (MHz)				699.7	707.5	715.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.82	23.93	23.85	24.5
1.4	QPSK	1	3	23.73	23.87	23.79	
1.4	QPSK	1	5	23.69	23.85	23.74	
1.4	QPSK	3	0	22.69	22.76	22.71	23.5
1.4	QPSK	3	1	22.66	22.65	22.69	
1.4	QPSK	3	3	22.55	22.61	22.62	
1.4	QPSK	6	0	22.51	22.59	22.60	23.5
1.4	16QAM	1	0	22.66	22.77	22.75	
1.4	16QAM	1	3	22.63	22.68	22.66	
1.4	16QAM	1	5	22.54	22.58	22.62	23.5
1.4	16QAM	1	3	22.37	22.47	22.41	
1.4							

1.4	64QAM	1	3	22.35	22.43	22.43	23
1.4	64QAM	1	5	22.27	22.39	22.39	
1.4	64QAM	3	0	22.20	22.13	22.22	
1.4	64QAM	3	1	22.11	22.01	22.11	
1.4	64QAM	3	3	22.07	21.96	22.03	22.5
1.4	64QAM	6	0	22.01	21.85	21.96	
1.4	256QAM	1	0	18.52	18.57	18.50	19
1.4	256QAM	1	3	18.47	18.48	18.47	
1.4	256QAM	1	5	18.44	18.40	18.45	
1.4	256QAM	3	0	17.66	17.78	17.62	
1.4	256QAM	3	1	17.60	17.73	17.54	
1.4	256QAM	3	3	17.55	17.63	17.45	
1.4	256QAM	6	0	17.52	17.61	17.36	18

1.4	64QAM	1	3	22.65	22.49	22.41	23.5
1.4	64QAM	1	5	22.62	22.45	22.32	
1.4	64QAM	3	0	22.26	22.29	22.23	
1.4	64QAM	3	1	22.18	22.18	22.17	
1.4	64QAM	3	3	22.11	22.08	22.11	23
1.4	64QAM	6	0	22.09	21.98	22.02	
1.4	256QAM	1	0	18.59	18.66	18.63	19.5
1.4	256QAM	1	3	18.53	18.61	18.59	
1.4	256QAM	1	5	18.50	18.54	18.54	
1.4	256QAM	3	0	17.75	17.81	17.71	
1.4	256QAM	3	1	17.73	17.73	17.61	
1.4	256QAM	3	3	17.69	17.69	17.52	
1.4	256QAM	6	0	17.62	17.63	17.44	18

Band 13 (Full Power)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			Tune-up limit (dBm)
Frequency (MHz)				782			
10	QPSK	1	0		24.11		24.5
10	QPSK	1	25		24.01		
10	QPSK	1	49		23.90		
10	QPSK	25	0		23.08		23.5
10	QPSK	25	12		22.97		
10	QPSK	25	25		22.93		
10	QPSK	50	0		22.82		23.5
10	16QAM	1	0		22.82		
10	16QAM	1	25		22.79		
10	16QAM	1	49		22.77		23.5
10	16QAM	25	0		22.35		
10	16QAM	25	12		22.28		
10	16QAM	25	25		22.21		23.5
10	16QAM	50	0		22.13		
10	64QAM	1	0		22.77		
10	64QAM	1	25		22.71		23.5
10	64QAM	1	49		22.67		
10	64QAM	25	0		22.43		
10	64QAM	25	12		22.40		23.5
10	64QAM	25	25		22.33		
10	64QAM	50	0		22.28		
10	256QAM	1	0		18.71		19
10	256QAM	1	25		18.66		
10	256QAM	1	49		18.63		
10	256QAM	25	0		17.94		18.5
10	256QAM	25	12		17.85		
10	256QAM	25	25		17.76		
10	256QAM	50	0		17.66		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.92	24.07	24.01	24.5
5	QPSK	1	12	23.85	23.97	23.91	
5	QPSK	1	24	23.70	23.83	23.76	
5	QPSK	12	0	22.91	23.03	22.90	23.5
5	QPSK	12	7	22.77	22.91	22.84	
5	QPSK	12	13	22.75	22.89	22.84	
5	QPSK	25	0	22.62	22.76	22.68	23.5
5	16QAM	1	0	22.64	22.77	22.71	
5	16QAM	1	12	22.62	22.75	22.66	
5	16QAM	1	24	22.54	22.71	22.63	23.5
5	16QAM	12	0	22.16	22.31	22.24	
5	16QAM	12	7	22.14	22.21	22.21	
5	16QAM	12	13	22.03	22.15	22.10	23.5
5	16QAM	25	0	21.95	22.08	21.99	
5	64QAM	1	0	22.67	22.73	22.65	
5	64QAM	1	12	22.49	22.67	22.55	23.5
5	64QAM	1	24	22.51	22.61	22.56	
5	64QAM	12	0	22.27	22.38	22.31	
5	64QAM	12	7	22.22	22.36	22.27	23.5
5	64QAM	12	13	22.17	22.27	22.20	
5	64QAM	25	0	22.08	22.23	22.15	
5	256QAM	1	0	18.53	18.67	18.59	19
5	256QAM	1	12	18.48	18.61	18.57	
5	256QAM	1	24	18.46	18.57	18.52	
5	256QAM	12	0	17.72	17.9	17.83	19
5	256QAM	12	7	17.65	17.79	17.73	
5	256QAM	12	13	17.59	17.73	17.68	
5	256QAM	25	0	17.55	17.61	17.53	

Band 66 (Full Power)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	Tune-up limit (dBm)
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	23.71	23.79	23.65	24.5
20	QPSK	1	49	23.62	23.70	23.60	
20	QPSK	1	99	23.54	23.63	23.54	
20	QPSK	50	0	22.66	22.76	22.63	23.5
20	QPSK	50	24	22.55	22.66	22.59	
20	QPSK	50	50	22.51	22.60	22.50	
20	QPSK	100	0	22.46	22.51	22.49	23.5
20	16QAM	1	0	22.70	22.74	22.72	
20	16QAM	1	49	22.63	22.71	22.64	
20	16QAM	1	99	22.54	22.65	22.54	23.5
20	16QAM	50	0	22.51	22.53	22.51	
20	16QAM	50	24	22.48	22.52	22.47	
20	16QAM	50	50	22.40	22.44	22.38	23.5
20	16QAM	100	0	22.34	22.35	22.30	
20	64QAM	1	0	22.50	22.65	22.58	
20	64QAM	1	49	22.47	22.64	22.55	23.5
20	64QAM	1	99	22.40	22.62	22.49	
20	64QAM	50	0	22.43	22.47	22.51	
20	64QAM	50	24	22.41	22.42	22.48	23.5
20	64QAM	50	50	22.36	22.36	22.45	
20	64QAM	100	0	22.26	22.34	22.41	
20	256QAM	1	0	18.33	18.43	18.39	19
20	256QAM	1	49	18.31	18.40	18.29	
20	256QAM	1	99	18.21	18.39	18.18	
20	256QAM	50	0	17.84	17.95	17.90	18.5
20	256QAM	50	24	17.82	17.91	17.83	
20	256QAM	50	50	17.79	17.81	17.81	
20	256QAM	100	0	17.75	17.72	17.77	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	23.67	23.75	23.62	24.5
15	QPSK	1	37	23.59	23.69	23.56	
15	QPSK	1	74	23.53	23.59	23.50	
15	QPSK	36	0	22.61	22.73	22.59	23.5
15	QPSK	36	20	22.53	22.63	22.57	
15	QPSK	36	39	22.46	22.57	22.46	
15	QPSK	75	0	22.44	22.48	22.46	23.5
15	16QAM	1	0	22.66	22.71	22.68	
15	16QAM	1	37	22.61	22.70	22.62	
15	16QAM	1	74	22.49	22.61	22.51	23.5
15	16QAM	36	0	22.48	22.51	22.49	
15	16QAM	36	20	22.46	22.47	22.43	
15	16QAM	36	39	22.37	22.41	22.34	23.5
15	16QAM	75	0	22.32	22.30	22.28	
15	64QAM	1	0	22.47	22.60	22.53	
15	64QAM	1	37	22.42	22.62	22.53	23.5
15	64QAM	1	74	22.38	22.60	22.46	
15	64QAM	36	0	22.41	22.45	22.49	
15	64QAM	36	20	22.36	22.39	22.45	23.5
15	64QAM	36	39	22.33	22.32	22.43	
15	64QAM	75	0	22.24	22.31	22.38	
15	256QAM	1	0	18.29	18.42	18.35	19
15	256QAM	1	37	18.28	18.36	18.25	
15	256QAM	1	74	18.18	18.34	18.15	
15	256QAM	36	0	17.82	17.91	17.85	18.5
15	256QAM	36	20	17.78	17.86	17.79	
15	256QAM	36	39	17.76	17.79	17.79	
15	256QAM	75	0	17.72	17.69	17.72	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	23.61	23.69	23.55	24.5
10	QPSK	1	25	23.52	23.60	23.50	
10	QPSK	1	49	23.44	23.53	23.44	
10	QPSK	25	0	22.56	22.66	22.53	23.5
10	QPSK	25	12	22.45	22.56	22.49	
10	QPSK	25	25	22.41	22.50	22.40	
10	QPSK	50	0	22.36	22.41	22.39	23.5
10	16QAM	1	0	22.60	22.64	22.62	
10	16QAM	1	25	22.53	22.61	22.54	
10	16QAM	1	49	22.44	22.55	22.44	23.5
10	16QAM	25	0	22.41	22.43	22.41	
10	16QAM	25	12	22.38	22.42	22.37	
10	16QAM	25	25	22.30	22.34	22.28	23.5
10	16QAM	50	0	22.24	22.25	22.20	
10	64QAM	1	0	22.40	22.55	22.48	
10	64QAM	1	25	22.37	22.54	22.45	23.5
10	64QAM	1	49	22.30	22.52	22.39	
10	64QAM	25	0	22.33	22.37	22.41	
10	64QAM	25	12	22.31	22.32	22.38	23.5
10	64QAM	25	25	22.26	22.26	22.35	
10	64QAM	50	0	22.16	22.24	22.31	
10	256QAM	1	0	18.23	18.33	18.29	19
10	256QAM	1	25	18.21	18.30	18.19	
10	256QAM	1	49	18.11	18.29	18.08	
10	256QAM	25	0	17.74	17.85	17.80	18.5
10	256QAM	25	12	17.72	17.81	17.73	
10	256QAM	25	25	17.69	17.71	17.71	
10	256QAM	50	0	17.65	17.62	17.67	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	23.56	23.64	23.50	24.5
5	QPSK	1	12	23.47	23.55	23.45	
5	QPSK	1	24	23.39	23.48	23.39	
5	QPSK	12	0	22.51	22.61	22.48	23.5
5	QPSK	12	7	22.40	22.51	22.44	
5	QPSK	12	13	22.36	22.45	22.35	
5	QPSK	25	0	22.31	22.36	22.34	23.5
5	16QAM	1	0	22.55	22.59	22.57	
5	16QAM	1	12	22.48	22.56	22.49	
5	16QAM	1	24	22.39	22.50	22.39	23.5
5	16QAM	12	0	22.36	22.38	22.36	

5	64QAM	1	12	22.32	22.49	22.40	23.5
5	64QAM	1	24	22.25	22.47	22.34	23.5
5	64QAM	12	0	22.28	22.32	22.36	
5	64QAM	12	7	22.26	22.27	22.33	
5	64QAM	12	13	22.21	22.21	22.30	
5	64QAM	25	0	22.11	22.19	22.26	19
5	256QAM	1	0	18.18	18.28	18.24	
5	256QAM	1	12	18.16	18.25	18.14	
5	256QAM	1	24	18.06	18.24	18.03	
5	256QAM	12	0	17.69	17.80	17.75	18.5
5	256QAM	12	7	17.67	17.76	17.68	
5	256QAM	12	13	17.64	17.66	17.66	
5	256QAM	25	0	17.60	17.57	17.62	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.51	23.59	23.45	24.5
3	QPSK	1	8	23.42	23.50	23.40	
3	QPSK	1	14	23.34	23.43	23.34	
3	QPSK	8	0	22.46	22.56	22.43	
3	QPSK	8	4	22.35	22.46	22.39	23.5
3	QPSK	8	7	22.31	22.40	22.30	
3	QPSK	15	0	22.26	22.31	22.29	
3	16QAM	1	0	22.50	22.54	22.52	
3	16QAM	1	8	22.43	22.51	22.44	23.5
3	16QAM	1	14	22.34	22.45	22.34	
3	16QAM	8	0	22.31	22.33	22.31	
3	16QAM	8	4	22.28	22.32	22.27	
3	16QAM	8	7	22.20	22.24	22.18	23.5
3	16QAM	15	0	22.14	22.15	22.10	
3	64QAM	1	0	22.30	22.45	22.38	
3	64QAM	1	8	22.27	22.44	22.35	
3	64QAM	1	14	22.20	22.42	22.29	23.5
3	64QAM	8	0	22.23	22.27	22.31	
3	64QAM	8	4	22.21	22.22	22.28	
3	64QAM	8	7	22.16	22.16	22.25	
3	64QAM	15	0	22.06	22.14	22.21	19
3	256QAM	1	0	18.13	18.23	18.19	
3	256QAM	1	8	18.11	18.20	18.09	
3	256QAM	1	14	18.01	18.19	17.98	
3	256QAM	8	0	17.64	17.75	17.70	18.5
3	256QAM	8	4	17.62	17.71	17.63	
3	256QAM	8	7	17.59	17.61	17.61	
3	256QAM	15	0	17.55	17.52	17.57	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.46	23.54	23.40	24.5
1.4	QPSK	1	3	23.37	23.45	23.35	
1.4	QPSK	1	5	23.29	23.38	23.29	
1.4	QPSK	3	0	22.51	22.56	22.38	
1.4	QPSK	3	1	22.40	22.41	22.34	23.5
1.4	QPSK	3	3	22.36	22.35	22.30	
1.4	QPSK	6	0	22.21	22.26	22.24	
1.4	16QAM	1	0	22.45	22.49	22.47	
1.4	16QAM	1	3	22.38	22.46	22.39	23.5
1.4	16QAM	1	5	22.29	22.40	22.29	
1.4	16QAM	3	0	22.26	22.28	22.26	
1.4	16QAM	3	1	22.23	22.27	22.22	
1.4	16QAM	3	3	22.15	22.19	22.13	23.5
1.4	16QAM	6	0	22.09	22.10	22.05	
1.4	64QAM	1	0	22.25	22.40	22.33	
1.4	64QAM	1	3	22.22	22.39	22.30	
1.4	64QAM	1	5	22.15	22.37	22.24	23.5
1.4	64QAM	3	0	22.18	22.22	22.26	
1.4	64QAM	3	1	22.16	22.17	22.23	
1.4	64QAM	3	3	22.11	22.11	22.20	
1.4	64QAM	6	0	22.01	22.09	22.16	23.5
1.4	256QAM	1	0	18.08	18.18	18.14	19
1.4	256QAM	1	3	18.06	18.15	18.04	
1.4	256QAM	1	5	17.96	18.14	17.93	
1.4	256QAM	3	0	17.59	17.70	17.65	
1.4	256QAM	3	1	17.57	17.66	17.58	18.5
1.4	256QAM	3	3	17.54	17.56	17.56	
1.4	256QAM	6	0	17.50	17.47	17.52	18.5

Band 48 (Full Power)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle-Low Channel	Middle-Low Channel	Middle-High Channel	High Channel	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	23.31	23.27	23.41	23.34	23.31	24
20	QPSK	1	49	23.13	23.15	23.21	23.16	23.08	
20	QPSK	1	99	23.10	23.06	23.00	23.18	23.19	
20	QPSK	50	0	22.20	22.21	22.31	22.26	22.19	23
20	QPSK	50	24	22.10	22.15	22.15	22.16	22.17	
20	QPSK	50	50	22.16	22.12	22.26	22.06	22.13	
20	QPSK	100	0	22.13	22.16	22.12	22.21	22.03	23
20	16QAM	1	0	22.31	22.19	22.21	22.11	22.26	
20	16QAM	1	49	22.18	22.06	22.06	22.26	22.17	
20	16QAM	1	99	22.20	22.21	22.10	22.07	22.09	22.5
20	16QAM	50	0	22.15	22.19	22.13	22.00	21.90	
20	16QAM	50	24	22.09	22.10	22.05	21.98	21.93	
20	16QAM	50	50	22.01	22.03	22.18	22.17	22.06	22.5
20	16QAM	100	0	22.12	22.21	22.23	22.18	22.03	
20	64QAM	1	0	22.40	22.35	22.28	22.35	22.21	
20	64QAM	1	49	22.37	22.24	22.45	22.21	22.20	22
20	64QAM	1	99	22.30	22.50	22.39	22.30	22.18	
20	64QAM	50	0	21.34	21.46	21.62	21.50	21.44	
20	64QAM	50	24	21.36	21.18	21.22	21.22	21.54	22
20	64QAM	50	50	21.42	21.33	21.20	21.06	21.33	
20	64QAM	100	0	21.22	21.12	21.33	21.34	21.21	
20	256QAM	1	0	17.55	17.33	17.32	17.41	17.62	18
20	256QAM	1	49	17.36	17.21	17.40	17.68	17.30	
20	256QAM	1	99	17.26	17.55	17.42	17.51	17.42	
20	256QAM	50	0	17.21	17.11	17.21	17.36	17.21	17.5
20	256QAM	50	24	17.15	17.20	17.12	17.02	17.11	
20	256QAM	50	50	17.11	17.09	17.26	16.88	17.21	
20	256QAM	100	0	16.89	17.02	16.95	17.00	17.30	
Channel				55315	55415	55735	56055	56765	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3557.5	3589.5	3621.5	3692.5	
15	QPSK	1	0	23.20	23.16	23.30	23.23	23.20	24
15	QPSK	1	37	23.02	23.04	23.10	23.05	22.97	
15	QPSK	1	74	22.99	22.95	22.89	23.07	23.08	
15	QPSK	36	0	22.09	22.10	22.20	22.15	22.08	23
15	QPSK	36	20	21.99	22.04	22.04	22.05	22.06	
15	QPSK	36	39	22.05	22.01	22.15	21.95	22.02	
15	QPSK	75	0	22.02	22.05	22.01	22.10	21.92	23
15	16QAM	1	0	22.20	22.08	22.10	22.00	22.15	
15	16QAM	1	37	22.07	21.95	21.95	22.15	22.06	
15	16QAM	1	74	22.09	22.10	21.99	21.96	21.98	22.5
15	16QAM	36	0	22.04	22.08	22.02	21.89	21.79	
15	16QAM	36	20	21.98	21.99	21.94	21.87	21.82	
15	16QAM	36	39	21.90	21.92	22.07	22.06	21.95	22.5
15	16QAM	75	0	22.01	22.10	22.12	22.07	21.92	
15	64QAM	1	0	22.29	22.24	22.17	22.24	22.10	
15	64QAM	1	37	22.26	22.13	22.34	22.10	22.09	22
15	64QAM	1	74	22.19	22.39	22.28	22.19	22.07	
15	64QAM	36	0	21.23	21.35	21.51	21.39	21.33	
15	64QAM	36	20	21.25	21.07	21.11	21.11	21.43	22
15	64QAM	36	39	21.31	21.22	21.09	20.95	21.22	
15	64QAM	75	0	21.11	21.01	21.22	21.23	21.10	
15	256QAM	1	0	17.44	17.22	17.21	17.30	17.51	18
15	256QAM	1	37	17.25	17.10	17.29	17.57	17.19	
15	256QAM	1	74	17.15	17.44	17.31	17.40	17.31	
15	256QAM	36	0	17.10	17.00	17.10	17.25	17.10	17.5
15	256QAM	36	20	17.04	17.09	17.01	16.91	17.00	
15	256QAM	36	39	17.00	16.98	17.15	16.77	17.10	
15	256QAM	75	0	16.78	16.91	16.84	16.89	17.19	

Channel				55290	55390	55710	56030	56790	Tune-up limit (dBm)
Frequency (MHz)				3555	3555	3587	3619	3695	
10	QPSK	1	0	23.08	23.04	23.18	23.11	23.08	24
10	QPSK	1	25	22.90	22.92	22.98	22.93	22.85	
10	QPSK	1	49	22.87	22.83	22.77	22.95	22.96	
10	QPSK	25	0	21.97	21.98	22.08	22.03	21.96	23
10	QPSK	25	12	21.87	21.92	21.92	21.93	21.94	
10	QPSK	25	25	21.93	21.89	22.03	21.83	21.90	
10	QPSK	50	0	21.90	21.93	21.89	21.98	21.80	23
10	16QAM	1	0	22.08	21.96	21.98	21.88	22.03	
10	16QAM	1	25	21.95	21.83	21.83	22.03	21.94	
10	16QAM	1	49	21.97	21.98	21.87	21.84	21.86	22.5
10	16QAM	25	0	21.92	21.96	21.90	21.77	21.67	
10	16QAM	25	12	21.86	21.87	21.82	21.75	21.70	
10	16QAM	25	25	21.78	21.80	21.95	21.94	21.83	22.5
10	16QAM	50	0	21.89	21.98	22.00	21.95	21.80	
10	64QAM	1	0	22.17	22.12	22.05	22.12	21.98	
10	64QAM	1	25	22.14	22.01	22.22	21.98	21.97	22.5
10	64QAM	1	49	22.07	22.27	22.16	22.07	21.95	
10	64QAM	25	0	21.11	21.23	21.39	21.27	21.21	
10	64QAM	25	12	21.13	20.95	20.99	20.99	21.31	22
10	64QAM	25	25	21.19	21.10	20.97	20.83	21.10	
10	64QAM	50	0	20.99	20.89	21.10	21.11	20.98	
10	256QAM	1	0	17.32	17.10	17.09	17.18	17.39	18
10	256QAM	1	25	17.13	16.98	17.17	17.45	17.07	
10	256QAM	1	49	17.03	17.32	17.19	17.28	17.19	
10	256QAM	25	0	16.98	16.88	16.98	17.13	16.98	17.5
10	256QAM	25	12	16.92	16.97	16.89	16.79	16.88	
10	256QAM	25	25	16.88	16.86	17.03	16.65	16.98	
10	256QAM	50	0	16.66	16.79	16.72	16.77	17.07	
Channel				55265	55365	55685	56005	56815	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3552.5	3584.5	3616.5	3697.5	
5	QPSK	1	0	22.96	22.92	23.06	22.99	22.96	23.5
5	QPSK	1	12	22.78	22.80	22.86	22.81	22.73	
5	QPSK	1	24	22.75	22.71	22.65	22.83	22.84	
5	QPSK	12	0	21.85	21.86	21.96	21.91	21.84	22.5
5	QPSK	12	7	21.75	21.80	21.80	21.81	21.82	
5	QPSK	12	13	21.81	21.77	21.91	21.71	21.78	
5	QPSK	25	0	21.78	21.81	21.77	21.86	21.68	22.5
5	16QAM	1	0	21.96	21.84	21.86	21.76	21.91	
5	16QAM	1	12	21.83	21.71	21.71	21.91	21.82	
5	16QAM	1	24	21.85	21.86	21.75	21.72	21.74	22.5
5	16QAM	12	0	21.80	21.84	21.78	21.65	21.55	
5	16QAM	12	7	21.74	21.75	21.70	21.63	21.58	
5	16QAM	12	13	21.66	21.68	21.83	21.82	21.71	22.5
5	16QAM	25	0	21.77	21.86	21.88	21.83	21.68	
5	64QAM	1	0	22.05	22.00	21.93	22.00	21.86	22.5
5	64QAM	1	12	22.02	21.89	22.10	21.86	21.85	
5	64QAM	1	24	21.95	22.15	22.04	21.95	21.83	
5	64QAM	12	0	20.99	21.11	21.27	21.15	21.09	21.5
5	64QAM	12	7	21.01	20.83	20.87	20.87	21.19	
5	64QAM	12	13	21.07	20.98	20.85	20.71	20.98	
5	64QAM	25	0	20.87	20.77	20.98	20.99	20.86	18
5	256QAM	1	0	17.20	16.98	16.97	17.06	17.27	
5	256QAM	1	12	17.01	16.86	17.05	17.33	16.95	
5	256QAM	1	24	16.91	17.20	17.07	17.16	17.07	17.5
5	256QAM	12	0	16.86	16.76	16.86	17.01	16.86	
5	256QAM	12	7	16.80	16.85	16.77	16.67	16.76	
5	256QAM	12	13	16.76	16.74	16.91	16.53	16.86	17.5
5	256QAM	25	0	16.54	16.67	16.60	16.65	16.95	

n2 (Full Power)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000.00	
Frequency (MHz)				1860	1880	1900.00	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.54	23.45	23.27	24.00
20		1	53	23.58	23.33	22.71	
20		1	104	23.61	23.18	23.26	
20		50	1	23.72	23.51	22.73	24.00
20		50	25	23.68	23.48	23.68	
20		50	50	23.66	23.68	23.78	
20		100	0	23.18	23.26	23.76	
20	DFT-s-OFDM QPSK	1	1	23.74	24.01	23.82	24.50
20		1	53	23.69	23.77	23.19	
20		1	104	23.64	23.65	23.37	
20		50	1	23.50	23.58	23.47	24.00
20		50	25	23.49	23.27	23.42	
20		50	50	23.24	23.47	23.33	
20		100	0	23.11	23.29	23.25	
20	DFT-s-OFDM 16QAM	1	1	20.83	20.99	21.66	23.00
20	DFT-s-OFDM 64QAM	1	1	20.06	20.08	20.68	21.20
20	DFT-s-OFDM 256QAM	1	1	19.02	19.89	19.67	19.50
Channel				3715000	376000	380500.00	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.50	
15	DFT-s-OFDM QPSK	1	1	23.51	23.53	23.59	24.00
Channel				371000	376000	381000.00	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905.00	
10	DFT-s-OFDM QPSK	1	1	23.71	23.56	23.72	24.50
Channel				370500	376000	381500.00	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.50	
5	DFT-s-OFDM QPSK	1	1	23.76	23.53	23.72	24.50
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000.00	
Frequency (MHz)				1860	1880	1767.50	
20	CP-OFDM QPSK	1	1	23.11	22.92	23.13	23.50
20	CP-OFDM 16QAM	1	1	22.94	22.69	22.83	23.50
20	CP-OFDM 64QAM	1	1	20.99	20.52	20.85	21.50
20	CP-OFDM 256QAM	1	1	18.01	17.79	17.96	18.50

n5 (Full Power)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800.00	
Frequency (MHz)				834	836.5	839.00	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.79	22.73	22.69	23.50
20		1	53	22.54	22.51	22.69	
20		1	104	23.36	23.35	22.80	
20		50	1	22.67	22.68	22.81	24.20
20		50	25	22.63	22.55	22.85	
20		50	50	23.52	23.45	23.02	
20		100	0	22.65	22.61	22.77	
20	DFT-s-OFDM QPSK	1	1	23.40	23.53	23.44	24.00
20		1	53	23.27	23.25	23.34	
20		1	104	23.34	23.10	23.11	
20		50	1	22.57	22.66	22.60	23.00
20		50	25	22.50	22.60	22.47	
20		50	50	22.25	22.42	22.48	
20		100	0	22.38	22.40	22.38	
20	DFT-s-OFDM 16QAM	1	1	22.95	22.62	23.05	24.20
20	DFT-s-OFDM 64QAM	1	1	22.36	22.48	22.28	21.50
20	DFT-s-OFDM 256QAM	1	1	20.61	20.44	20.51	21.20
Channel				166300	167300	168300.00	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.50	
15	DFT-s-OFDM QPSK	1	1	23.31	23.15	22.98	24.20
Channel				165800	167300	168800.00	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844.00	
10	DFT-s-OFDM QPSK	1	1	22.62	22.58	23.02	24.20
Channel				165300	167300	169300.00	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.50	
5	DFT-s-OFDM QPSK	1	1	23.29	23.17	22.83	23.50
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800.00	
Frequency (MHz)				834	836.5	839.00	
20	CP-OFDM QPSK	1	1	22.81	22.81	22.89	23.50
20	CP-OFDM 16QAM	1	1	23.27	23.04	22.93	23.50
20	CP-OFDM 64QAM	1	1	21.34	21.35	21.42	22.00
20	CP-OFDM 256QAM	1	1	18.72	18.65	18.77	19.50

n66 (Full Power)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000.00	
Frequency (MHz)				1720	1745	1770.00	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.29	23.34	23.47	24.00
20		1	53	23.26	23.46	23.41	
20		1	104	23.36	23.47	23.56	
20		50	1	23.00	23.02	23.06	23.50
20		50	25	23.05	23.05	23.01	
20		50	50	22.13	23.52	23.02	
20		100	0	23.01	23.00	23.07	
20	DFT-s-OFDM QPSK	1	1	23.50	23.68	23.58	23.20
20		1	53	23.45	23.50	23.52	
20		1	104	23.32	23.41	23.44	
20		50	1	23.01	23.04	23.00	23.50
20		50	25	22.84	22.96	22.93	
20		50	50	22.88	23.56	22.93	
20		100	0	22.76	22.88	22.74	
20	DFT-s-OFDM 16QAM	1	1	23.52	23.61	23.66	24.00
20	DFT-s-OFDM 64QAM	1	1	21.67	21.85	21.87	22.50
20	DFT-s-OFDM 256QAM	1	1	19.68	19.87	19.91	20.50
Channel				343500	349000	354500.00	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.50	
15	DFT-s-OFDM QPSK	1	1	23.33	23.43	23.38	24.00
Channel				343000	349000	355000.00	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775.00	
10	DFT-s-OFDM QPSK	1	1	23.49	23.50	23.42	24.00
Channel				3425000	349000	355500.00	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.50	
5	DFT-s-OFDM QPSK	1	1	23.38	23.45	23.45	24.00
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000.00	
Frequency (MHz)				1720	1745	1767.50	
20	CP-OFDM QPSK	1	1	22.89	23.04	23.04	23.50
20	CP-OFDM 16QAM	1	1	22.55	22.68	22.75	23.50
20	CP-OFDM 64QAM	1	1	20.71	20.79	20.83	21.50
20	CP-OFDM 256QAM	1	1	17.76	18.06	18.10	18.50

2.4GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 5	802.11b 1Mbps	CH 1	2412	18.95	18.5	18.5	100.00
		CH 6	2437	18.58	17.0	18.5	
		CH 11	2462	18.39	17.0	18.5	
	802.11g 6Mbps	CH 1	2412	17.15	17.5	18	98.21
		CH 6	2437	16.22	16.5	18	
		CH 11	2462	15.23	15.5	18	
	802.11a+HT20 MCS0	CH 1	2412	16.81	17.5	18	98.59
		CH 6	2437	16.07	16.5	18	
		CH 11	2462	15.09	15.5	18	
	802.11a+HT40 MCS0	CH 3	2432	16.29	16.50	18	94.20
		CH 6	2437	16.49	17.00	18	
		CH 9	2452	16.64	17.00	18	

5GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 5	802.11a 6Mbps	CH 36	5180	14.52	15.0	18	98.03
		CH 44	5220	14.15	14.5	18	
		CH 48	5240	14.00	14.5	18	
	802.11a+HT20 MCS0	CH 36	5180	14.62	15.0	18	98.28
		CH 44	5220	14.18	14.5	18	
		CH 48	5240	13.94	14.5	18	
	802.11a+HT40 MCS0	CH 38	5190	18.00	15.5	18	96.68
		CH 46	5236	14.77	15.5	18	
		CH 36	5180	14.50	15.0	18	
	802.11a+VHT20 MCS0	CH 44	5220	14.03	14.5	18	98.14
		CH 48	5240	13.86	14.5	18	
		CH 38	5190	14.37	15.0	18	
	802.11a+VHT40 MCS0	CH 48	5236	14.03	14.5	18	96.41
		CH 48	5236	14.03	14.5	18	
		CH 42	5210	14.00	14.5	18	

5GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 5	802.11a 6Mbps	CH 52	5260	14.03	14.5	18	98.03
		CH 60	5300	14.46	15.0	18	
		CH 64	5320	14.69	15.0	18	
	802.11a+HT20 MCS0	CH 52	5260	13.96	14.5	18	98.28
		CH 60	5300	14.46	15.0	18	
		CH 64	5320	14.70	15.0	18	
	802.11a+HT40 MCS0	CH 54	5270	14.77	15.5	18	96.68
		CH 62	5310	18.38	16.0	18	
		CH 52	5260	13.96	14.5	18	
	802.11a+VHT20 MCS0	CH 60	5300	14.07	14.5	18	98.14
		CH 64	5320	14.48	15.0	18	
		CH 54	5270	14.21	14.5	18	
	802.11a+VHT40 MCS0	CH 62	5310	14.76	15.5	18	96.41
		CH 62	5310	14.76	15.5	18	
		CH 58	5290	14.18	14.5	18	

5GHz WLAN ANT 1

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 5	802.11a 6Mbps	CH 100	5500	14.25	14.5	18	98.03
		CH 120	5600	13.42	14.0	18	
		CH 144	5720	13.63	14.0	18	
	802.11a+HT20 MCS0	CH 100	5500	14.38	14.5	18	98.28
		CH 120	5600	13.47	14.0	18	
		CH 144	5720	13.90	14.5	18	
	802.11a+HT40 MCS0	CH 102	5510	14.96	15.5	18	96.68
		CH 126	5630	13.80	14.5	18	
		CH 142	5710	14.13	14.5	18	
	802.11a+VHT20 MCS0	CH 100	5500	13.96	14.5	17.5	98.14
		CH 120	5600	13.22	14.0	17.5	
		CH 144	5720	13.27	14.0	17.5	
	802.11a+VHT40 MCS0	CH 102	5510	14.26	14.5	17.5	96.41
		CH 126	5630	13.55	14.0	17.5	
		CH 142	5710	13.61	14.0	17.5	
	802.11a+VHT80 MCS0	CH 108	5520	14.04	14.5	17.5	93.54
		CH 132	5610	13.59	14.0	17.5	
		CH 138	5660	13.76	14.5	17.5	

5GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 5	802.11a MCS0	CH 148	5746	13.59	14.00	18	98.03
		CH 157	5786	14.10	14.50	18	
		CH 165	5825	14.27	14.50	18	
	802.11a+HT20 MCS0	CH 148	5746	13.88	14.00	18	98.28
		CH 157	5786	14.27	14.50	18	
		CH 165	5825	14.33	14.50	18	
	802.11a+HT40 MCS0	CH 151	5755	14.07	14.50	18	96.68
		CH 159	5795	14.30	14.50	18	
		CH 165	5825	13.30	14.00	18	
	802.11a+VHT20 MCS0	CH 157	5786	13.77	14.50	18	98.14
		CH 165	5825	14.03	14.50	18	
		CH 151	5755	13.64	14.00	18	
	802.11a+VHT40 MCS0	CH 159	5795	14.15	14.50	18	96.41
		CH 159	5795	14.15	14.50	18	
		CH 155	5775	13.64	14.00	18	

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDS	CH 00	2402	4.33	1.22	1.17
	CH 10	2441	3.87	0.74	0.79
	CH 76	2480	6.08	3.25	3.24
Time-up Limit			7.5	4	4
Duty Cycle %			76.8	77.87	77.87

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			1Mbps	2Mbps
LE	CH 00	2402	-6.34	-6.74
	CH 10	2440	-6.82	-9.17
	CH 36	2480	-4.77	-6.79
Time-up Limit			4	4
Duty Cycle %			61.54	32.94

2.4GHz WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 6	802.11b 1Mbps	CH 1	2412	18.14	18.50	18.5	100.00
		CH 6	2437	18.84	18.50	18.5	
		CH 11	2462	18.04	18.50	18.5	
	802.11g 6Mbps	CH 1	2412	17.28	17.50	18	98.21
		CH 6	2437	16.28	16.50	18	
		CH 11	2462	17.34	17.50	18	
	802.11a+HT20 MCS0	CH 1	2412	17.16	17.50	18	98.59
		CH 6	2437	16.07	16.50	18	
		CH 11	2462	17.16	17.50	18	
	802.11a+HT40 MCS0	CH 3	2422	17.21	17.50	18	94.20
		CH 6	2437	17.47	18.00	18	
		CH 9	2452	17.70	18.50	18	

5.2GHz WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 6	802.11a 6Mbps	CH 36	5180	14.86	15.50	18	98.03
		CH 44	5220	14.30	15.00	18	
		CH 48	5240	14.02	14.50	18	
	802.11a+HT20 MCS0	CH 36	5180	14.73	15.50	18	98.28
		CH 44	5220	14.11	14.50	18	
		CH 48	5240	13.95	14.50	18	
	802.11a+HT40 MCS0	CH 38	5190	18.07	15.50	18	96.68
		CH 46	5236	14.47	15.00	18	
		CH 36	5180	14.39	15.00	18	
	802.11a+VHT20 MCS0	CH 44	5220	13.92	14.50	18	98.14
		CH 48	5240	13.76	14.50	18	
		CH 38	5190	14.07	15.00	18	
	802.11a+VHT40 MCS0	CH 46	5236	14.04	14.50	18	96.41
		CH 46	5236	14.04	14.50	18	
		CH 42	5210	14.45	15.00	18	

5.3GHz WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 6	802.11a 6Mbps	CH 52	5260	14.15	14.50	18	98.03
		CH 60	5300	14.41	15.00	18	
		CH 64	5320	14.78	15.50	18	
	802.11a+HT20 MCS0	CH 52	5260	14.11	14.50	18	98.28
		CH 60	5300	14.36	15.00	18	
		CH 64	5320	14.73	15.50	18	
	802.11a+HT40 MCS0	CH 54	5270	14.36	15.00	18	96.68
		CH 62	5310	18.46	15.50	18	
		CH 52	5260	13.97	14.50	18	
	802.11a+VHT20 MCS0	CH 60	5300	13.78	14.50	18	98.14
		CH 64	5320	14.19	14.50	18	
		CH 54	5270	14.13	14.50	18	
	802.11a+VHT40 MCS0	CH 62	5310	14.65	15.00	18	96.41
		CH 62	5310	14.65	15.00	18	
		CH 58	5290	13.95	14.50	18	

5.5 WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 6	802.11a 6Mbps	CH 100	5500	15.10	15.50	18	98.03
		CH 118	5580	14.19	14.50	18	
		CH 144	5700	13.92	14.50	18	
	802.11a+HT20 MCS0	CH 100	5500	14.76	15.50	18	98.28
		CH 118	5580	14.21	14.50	18	
		CH 144	5720	13.61	14.00	18	
	802.11a+HT40 MCS0	CH 102	5616	14.28	15.50	18	98.68
		CH 126	5696	14.28	14.50	18	
		CH 144	5716	14.38	15.00	18	
	802.11a+VHT12 MCS0	CH 100	5500	14.19	14.50	17.5	98.14
		CH 118	5580	13.98	14.00	17.5	
		CH 144	5700	13.06	13.50	17.5	
802.11a+VHT14 MCS0	CH 102	5610	15.02	15.50	17.5	98.41	
	CH 126	5690	13.68	14.00	17.5		
	CH 142	5710	13.68	14.50	17.5		
802.11a+VHT16 MCS0	CH 108	5630	14.76	15.50	17.5	99.54	
	CH 122	5660	14.20	14.50	17.5		
	CH 138	5810	14.16	14.50	17.5		

Reduced Power Level 1

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	18.69	18.79	18.72	19.50	18.97	19.01	18.80	19.50	17.92	18.33	18.01	19.00
3GPP Rel 6	HSDPA Subtest-1	17.74	17.82	17.80	18.50	18.05	18.07	18.05	18.50	17.32	17.35	17.27	18.00
3GPP Rel 6	HSDPA Subtest-2	17.86	18.08	17.90	18.50	18.12	18.18	18.24	18.50	17.34	17.36	17.31	18.00
3GPP Rel 6	HSDPA Subtest-3	17.22	17.34	17.28	18.00	17.58	17.59	17.56	18.00	17.21	16.86	16.78	17.50
3GPP Rel 6	HSDPA Subtest-4	17.16	17.35	17.25	18.00	17.59	17.62	17.55	18.00	17.09	16.90	16.79	17.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.85	17.93	17.81	18.50	18.07	18.25	18.04	19.00	17.34	17.29	17.39	18.00
3GPP Rel 8	DC-HSDPA Subtest-2	17.25	17.70	17.29	18.50	17.55	17.80	17.61	18.50	16.83	16.84	16.76	18.00
3GPP Rel 8	DC-HSDPA Subtest-3	17.74	17.87	17.75	18.50	18.03	18.10	18.05	18.50	17.34	17.38	17.35	17.50
3GPP Rel 8	DC-HSDPA Subtest-4	17.72	17.86	17.77	18.50	18.07	18.13	18.08	18.50	17.33	17.33	17.26	17.50
3GPP Rel 6	HSUPA Subtest-1	17.68	17.87	17.80	18.50	18.10	18.23	18.04	19.00	17.29	17.33	17.38	18.00
3GPP Rel 6	HSUPA Subtest-2	17.76	17.80	17.76	18.50	18.07	18.12	18.05	18.50	17.31	17.39	17.37	18.00
3GPP Rel 6	HSUPA Subtest-3	17.95	17.87	17.89	18.50	18.06	18.14	18.03	18.50	17.44	17.46	17.36	18.00
3GPP Rel 6	HSUPA Subtest-4	17.93	17.87	17.93	18.50	18.06	18.12	18.10	18.50	17.44	17.46	17.37	18.00
3GPP Rel 6	HSUPA Subtest-5	17.33	17.33	17.37	18.00	17.53	17.60	17.59	18.00	16.94	16.97	16.89	17.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.30	17.39	17.42	18.00	17.50	17.60	17.61	18.00	16.94	16.96	16.91	17.50
Mode			Max.	18.79			Max.	19.01			Max.	18.33	

Band 2 (Reduced Power Level 1)										
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	18.84	18.88	18.77	19.5			
20	QPSK	1	49	18.52	18.42	18.41				
20	QPSK	1	99	18.41	18.32	18.24				
20	QPSK	50	0	17.59	17.63	17.50				
20	QPSK	50	24	17.50	17.59	17.41	18.5			
20	QPSK	50	50	17.43	17.51	17.30				
20	QPSK	100	0	17.33	17.39	17.26				
20	16QAM	1	0	17.53	17.67	17.52				
20	16QAM	1	49	17.41	17.65	17.47	18.5			
20	16QAM	1	99	17.36	17.61	17.45				
20	16QAM	50	0	17.54	17.56	17.58				
20	16QAM	50	24	17.48	17.50	17.51				
20	16QAM	50	50	17.39	17.37	17.46	18			
20	16QAM	100	0	17.36	17.33	17.39				
20	64QAM	1	0	17.34	17.59	17.54				
20	64QAM	1	49	17.24	17.53	17.51				
20	64QAM	1	99	17.19	17.42	17.38	17.5			
20	64QAM	50	0	17.31	17.34	17.25				
20	64QAM	50	24	17.28	17.31	17.17				
20	64QAM	50	50	17.14	17.20	17.05				
20	64QAM	100	0	17.07	17.12	17.00	16.5			
20	256QAM	1	0	15.89	15.98	15.94				
20	256QAM	1	49	15.87	15.92	15.88				
20	256QAM	1	99	15.90	15.84	15.78				
20	256QAM	50	0	15.48	15.55	15.52	16			
20	256QAM	50	24	15.41	15.53	15.44				
20	256QAM	50	50	15.36	15.44	15.39				
20	256QAM	100	0	15.39	15.45	15.40				
Channel				18675	18900	19125	Tune-up limit (dBm)			
Frequency (MHz)				1857.5	1880	1902.5				
15	QPSK	1	0	18.81	18.85	18.74		19.5		
15	QPSK	1	37	18.49	18.39	18.38				
15	QPSK	1	74	18.38	18.29	18.21				
15	QPSK	36	0	17.56	17.60	17.47				
15	QPSK	36	20	17.47	17.56	17.38	18.5			
15	QPSK	36	39	17.40	17.48	17.27				
15	QPSK	75	0	17.30	17.36	17.23				
15	16QAM	1	0	17.50	17.64	17.49				
15	16QAM	1	37	17.38	17.62	17.44	18.5			
15	16QAM	1	74	17.33	17.58	17.42				
15	16QAM	36	0	17.51	17.53	17.55				
15	16QAM	36	20	17.45	17.47	17.48				
15	16QAM	36	39	17.36	17.34	17.43	18			
15	16QAM	75	0	17.33	17.30	17.36				
15	64QAM	1	0	17.31	17.56	17.51				
15	64QAM	1	37	17.21	17.50	17.48				
15	64QAM	1	74	17.16	17.39	17.35	17.5			
15	64QAM	36	0	17.28	17.31	17.22				
15	64QAM	36	20	17.25	17.28	17.14				
15	64QAM	36	39	17.11	17.17	17.02				
15	64QAM	75	0	17.04	17.09	16.97	16.5			
15	256QAM	1	0	15.86	15.95	15.91				
15	256QAM	1	37	15.84	15.89	15.85				
15	256QAM	1	74	15.87	15.81	15.75				
15	256QAM	36	0	15.45	15.52	15.49	16			
15	256QAM	36	20	15.38	15.50	15.41				
15	256QAM	36	39	15.33	15.41	15.36				
15	256QAM	75	0	15.36	15.42	15.37				
Channel				18650	18900	19150	Tune-up limit (dBm)			
Frequency (MHz)				1855	1880	1905				
10	QPSK	1	0	18.75	18.79	18.68		19.5		
10	QPSK	1	25	18.43	18.33	18.32				
10	QPSK	1	49	18.32	18.23	18.15				
10	QPSK	25	0	17.50	17.54	17.41				
10	QPSK	25	12	17.41	17.50	17.32	18.5			
10	QPSK	25	25	17.34	17.42	17.21				
10	QPSK	50	0	17.24	17.30	17.17				
10	16QAM	1	0	17.44	17.58	17.43				
10	16QAM	1	25	17.32	17.56	17.38	18.5			
10	16QAM	1	49	17.27	17.52	17.36				
10	16QAM	25	0	17.45	17.47	17.49				
10	16QAM	25	12	17.39	17.41	17.42				
10	16QAM	25	25	17.30	17.28	17.37	18			
10	16QAM	50	0	17.27	17.24	17.30				
10	64QAM	1	0	17.25	17.50	17.45				
10	64QAM	1	25	17.15	17.44	17.42				
10	64QAM	1	49	17.10	17.33	17.29	17.5			
10	64QAM	25	0	17.22	17.25	17.16				
10	64QAM	25	12	17.19	17.22	17.08				
10	64QAM	25	25	17.05	17.11	16.96				
10	64QAM	50	0	16.98	17.03	16.91	16.5			
10	256QAM	1	0	15.80	15.89	15.85				
10	256QAM	1	25	15.78	15.83	15.79				
10	256QAM	1	49	15.81	15.75	15.69				
10	256QAM	25	0	15.39	15.46	15.43	16			
10	256QAM	25	12	15.32	15.44	15.35				
10	256QAM	25	25	15.27	15.35	15.30				
10	256QAM	50	0	15.30	15.36	15.31				
Channel				18625	18900	19175	Tune-up limit (dBm)			
Frequency (MHz)				1852.5	1880	1907.5				
5	QPSK	1	0	18.72	18.76	18.65		19.5		
5	QPSK	1	12	18.40	18.30	18.29				
5	QPSK	1	24	18.29	18.20	18.12				
5	QPSK	12	0	17.47	17.51	17.38				
5	QPSK	12	7	17.38	17.47	17.29	18.5			

Band 4 (Reduced Power Level 1)									
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		20.03	20.10	20.05	20.5	
20	QPSK	1	49		19.97	20.00	19.98		
20	QPSK	1	99		19.93	19.92	19.88		
20	QPSK	50	0		18.99	19.04	19.00		
20	QPSK	50	24		18.98	18.96	18.97	19.5	
20	QPSK	50	50		18.93	18.90	18.87		
20	QPSK	100	0		18.85	18.87	18.83		
20	16QAM	1	0		18.96	19.01	18.92		
20	16QAM	1	49		18.86	19.00	18.83	19.5	
20	16QAM	1	99		18.82	18.98	18.73		
20	16QAM	50	0		18.82	18.87	18.91		
20	16QAM	50	24		18.78	18.78	18.82		
20	16QAM	50	50		18.74	18.72	18.78	19.5	
20	16QAM	100	0		18.68	18.70	18.75		
20	64QAM	1	0		19.03	18.84	19.05		
20	64QAM	1	49		19.01	18.83	19.03		
20	64QAM	1	99		18.95	18.79	18.99	19.5	
20	64QAM	50	0		18.92	18.59	18.62		
20	64QAM	50	24		18.54	18.57	18.54		
20	64QAM	50	50		18.48	18.49	18.45		
20	64QAM	100	0		18.47	18.46	18.44	19.5	
20	256QAM	1	0		16.24	16.29	16.25		
20	256QAM	1	49		16.21	16.23	16.16		
20	256QAM	1	99		16.19	16.19	16.14		
20	256QAM	50	0		15.76	15.79	15.70	17.5	
20	256QAM	50	24		15.68	15.70	15.69		
20	256QAM	50	50		15.62	15.62	15.62		
20	256QAM	100	0		15.54	15.61	15.56		
Channel					20025	20175	20325		
Frequency (MHz)					1717.5	1732.5	1747.5	Tune-up limit (dBm)	
15	QPSK	1	0		19.99	20.06	20.03	20.5	
15	QPSK	1	37		19.94	19.97	19.95		
15	QPSK	1	74		19.91	19.87	19.83		
15	QPSK	36	0		18.94	19.00	18.97		
15	QPSK	36	20		18.95	18.92	18.94	19.5	
15	QPSK	36	39		18.90	18.87	18.84		
15	QPSK	75	0		18.80	18.83	18.79		
15	16QAM	1	0		18.91	18.99	18.89		
15	16QAM	1	37		18.83	18.95	18.80	19.5	
15	16QAM	1	74		18.78	18.94	18.69		
15	16QAM	36	0		18.77	18.83	18.86		
15	16QAM	36	20		18.75	18.75	18.77		
15	16QAM	36	39		18.71	18.68	18.75	19.5	
15	16QAM	75	0		18.64	18.66	18.72		
15	64QAM	1	0		18.99	18.81	19.01		
15	64QAM	1	37		18.98	18.79	19.01		
15	64QAM	1	74		18.91	18.75	18.97	19.5	
15	64QAM	36	0		18.89	18.57	18.60		
15	64QAM	36	20		18.51	18.54	18.50		
15	64QAM	36	39		18.43	18.44	18.43		
15	64QAM	75	0		18.45	18.43	18.41	19.5	
15	256QAM	1	0		16.21	16.24	16.21		
15	256QAM	1	37		16.17	16.19	16.13		
15	256QAM	1	74		16.16	16.16	16.11		
15	256QAM	36	0		15.72	15.74	15.65	17.5	
15	256QAM	36	20		15.65	15.68	15.67		
15	256QAM	36	39		15.57	15.59	15.59		
15	256QAM	75	0		15.52	15.58	15.53		
Channel					20000	20175	20350		
Frequency (MHz)					1715	1732.5	1750	Tune-up limit (dBm)	
10	QPSK	1	0		19.94	20.04	20.00	20.5	
10	QPSK	1	25		19.89	19.93	19.92		
10	QPSK	1	49		19.87	19.83	19.80		
10	QPSK	25	0		18.90	18.96	18.93		
10	QPSK	25	12		18.92	18.89	18.89	19.5	
10	QPSK	25	25		18.86	18.83	18.80		
10	QPSK	50	0		18.78	18.80	18.76		
10	16QAM	1	0		18.88	18.96	18.86		
10	16QAM	1	25		18.80	18.90	18.76	19.5	
10	16QAM	1	49		18.75	18.90	18.65		
10	16QAM	25	0		18.75	18.80	18.83		
10	16QAM	25	12		18.71	18.72	18.74		
10	16QAM	25	25		18.67	18.64	18.71	19.5	
10	16QAM	50	0		18.60	18.63	18.68		
10	64QAM	1	0		18.95	18.77	18.97		
10	64QAM	1	25		18.95	18.74	18.96		
10	64QAM	1	49		18.87	18.72	18.93	19.5	
10	64QAM	25	0		18.85	18.54	18.56		
10	64QAM	25	12		18.49	18.50	18.46		
10	64QAM	25	25		18.39	18.39	18.40		
10	64QAM	50	0		18.43	18.40	18.37	17.5	
10	256QAM	1	0		16.17	16.21	16.18		
10	256QAM	1	25		16.12	16.17	16.09		
10	256QAM	1	49		16.13	16.12	16.08		
10	256QAM	25	0		15.67	15.69	15.61	17	
10	256QAM	25	12		15.61	15.64	15.63		
10	256QAM	25	25		15.53	15.55	15.54		
10	256QAM	50	0		15.50	15.55	15.50		
Channel					19975	20175	20375		
Frequency (MHz)					1712.5	1732.5	1752.5	Tune-up limit (dBm)	
5	QPSK	1	0		19.91	20.00	19.97	20.5	
5	QPSK	1	12		19.85	19.89	19.88		
5	QPSK	1	24		19.84	19.80	19.75		
5	QPSK	12	0		18.87	18.93	18.89		
5	QPSK	12	7		18.89	18.86	18.84	19.5	

5	16QAM	1	24	17.24	17.49	17.33	18
5	16QAM	12	0	17.42	17.44	17.46	
5	16QAM	12	7	17.36	17.38	17.39	
5	16QAM	12	13	17.27	17.25	17.34	
5	16QAM	25	0	17.24	17.21	17.27	18
5	64QAM	1	0	17.22	17.47	17.42	
5	64QAM	1	12	17.12	17.41	17.39	
5	64QAM	1	24	17.07	17.30	17.26	
5	64QAM	12	0	17.19	17.22	17.13	17.5
5	64QAM	12	7	17.16	17.19	17.05	
5	64QAM	12	13	17.02	17.08	16.93	
5	64QAM	25	0	16.95	17.00	16.88	
5	256QAM	1	0	15.77	15.86	15.82	16.5
5	256QAM	1	12	15.75	15.80	15.76	
5	256QAM	1	24	15.78	15.72	15.66	
5	256QAM	12	0	15.36	15.43	15.40	
5	256QAM	12	7	15.29	15.41	15.32	16
5	256QAM	12	13	15.24	15.32	15.27	
5	256QAM	25	0	15.27	15.33	15.28	
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	Tune-up limit (dBm)
3	QPSK	1	0	18.69	18.73	18.62	19.5
3	QPSK	1	8	18.37	18.27	18.26	
3	QPSK	1	14	18.26	18.17	18.09	
3	QPSK	8	0	17.44	17.48	17.35	
3	QPSK	8	4	17.35	17.44	17.26	18.5
3	QPSK	8	7	17.28	17.36	17.15	
3	QPSK	15	0	17.18	17.24	17.11	
3	16QAM	1	0	17.38	17.52	17.37	
3	16QAM	1	8	17.26	17.50	17.32	18.5
3	16QAM	1	14	17.21	17.46	17.30	
3	16QAM	8	0	17.39	17.41	17.43	
3	16QAM	8	4	17.33	17.35	17.36	
3	16QAM	8	7	17.24	17.22	17.31	18
3	16QAM	15	0	17.21	17.18	17.24	
3	64QAM	1	0	17.19	17.44	17.39	
3	64QAM	1	8	17.09	17.38	17.36	
3	64QAM	1	14	17.04	17.27	17.23	17.5
3	64QAM	8	0	17.16	17.19	17.10	
3	64QAM	8	4	17.13	17.16	17.02	
3	64QAM	8	7	16.99	17.05	16.90	
3	64QAM	15	0	16.92	16.97	16.85	16.5
3	256QAM	1	0	15.74	15.83	15.79	
3	256QAM	1	8	15.72	15.77	15.73	
3	256QAM	1	14	15.75	15.69	15.63	
3	256QAM	8	0	15.33	15.40	15.37	16
3	256QAM	8	4	15.26	15.38	15.29	
3	256QAM	8	7	15.21	15.29	15.24	
3	256QAM	15	0	15.24	15.30	15.25	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	19.5
1.4	QPSK	1	0	18.66	18.70	18.59	
1.4	QPSK	1	3	18.34	18.24	18.23	
1.4	QPSK	1	5	18.23	18.14	18.06	
1.4	QPSK	3	0	17.41	17.45	17.32	18.5
1.4	QPSK	3	1	17.32	17.41	17.23	
1.4	QPSK	3	3	17.25	17.33	17.12	
1.4	QPSK	6	0	17.15	17.21	17.08	
1.4	16QAM	1	0	17.35	17.49	17.34	18
1.4	16QAM	1	3	17.23	17.47	17.29	
1.4	16QAM	1	5	17.18	17.43	17.27	
1.4	16QAM	3	0	17.36	17.38	17.40	
1.4	16QAM	3	1	17.30	17.32	17.33	18
1.4	16QAM	3	3	17.21	17.19	17.28	
1.4	16QAM	6	0	17.18	17.15	17.21	
1.4	64QAM	1	0	17.16	17.41	17.36	
1.4	64QAM	1	3	17.06	17.35	17.33	18
1.4	64QAM	1	5	17.01	17.24	17.20	
1.4	64QAM	3	0	17.13	17.16	17.07	
1.4	64QAM	3	1	17.10	17.13	16.99	
1.4	64QAM	3	3	16.96	17.02	16.87	17.5
1.4	64QAM	6	0	16.89	16.94	16.82	
1.4	256QAM	1	0	15.71	15.80	15.76	
1.4	256QAM	1	3	15.69	15.74	15.70	
1.4	256QAM	1	5	15.72	15.66	15.60	16.5
1.4	256QAM	3	0	15.30	15.37	15.34	
1.4	256QAM	3	1	15.23	15.35	15.26	
1.4	256QAM	3	3	15.18	15.26	15.21	
1.4	256QAM	6	0	15.21	15.27	15.22	16

5	16QAM	1	24	18.71	18.86	18.60	19.5
5	16QAM	12	0	18.71	18.77	18.80	
5	10QAM	12	7	18.69	18.70	18.71	
5	10QAM	12	13	18.64	18.60	18.67	
5	16QAM	25	0	18.55	18.60	18.65	19.5
5	64QAM	1	0	18.91	18.73	18.95	
5	64QAM	1	12	18.92	18.69	18.92	
5	64QAM	1	24	18.84	18.68	18.88	
5	64QAM	12	0	18.82	18.50	18.51	19.5
5	64QAM	12	7	18.47	18.45	18.41	
5	64QAM	12	13	18.37	18.35	18.36	
5	64QAM	25	0	18.40	18.37	18.34	
5	256QAM	1	0	16.15	16.16	16.15	17.5
5	256QAM	1	12	16.09	16.14	16.06	
5	256QAM	1	24	16.08	16.08	16.05	
5	256QAM	12	0	15.64	15.67	15.58	
5	256QAM	12	7	15.56	15.62	15.61	17
5	256QAM	12	13	15.51	15.52	15.51	
5	256QAM	25	0	15.46	15.52	15.45	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	19.89	19.97	19.94	20.5
3	QPSK	1	8	19.82	19.87	19.83	
3	QPSK	1	14	19.82	19.76	19.71	
3	QPSK	8	0	18.83	18.88	18.85	
3	QPSK	8	4	18.85	18.81	18.80	19.5
3	QPSK	8	7	18.79	18.76	18.73	
3	QPSK	15	0	18.69	18.73	18.70	
3	16QAM	1	0	18.81	18.87	18.80	
3	16QAM	1	8	18.74	18.81	18.66	19.5
3	16QAM	1	14	18.69	18.83	18.58	
3	16QAM	8	0	18.66	18.74	18.78	
3	16QAM	8	4	18.64	18.67	18.66	
3	16QAM	8	7	18.62	18.55	18.64	19.5
3	16QAM	15	0	18.51	18.55	18.62	
3	64QAM	1	0	18.87	18.70	18.92	
3	64QAM	1	8	18.90	18.67	18.88	
3	64QAM	1	14	18.79	18.63	18.85	19.5
3	64QAM	8	0	18.77	18.46	18.47	
3	64QAM	8	4	18.43	18.42	18.37	
3	64QAM	8	7	18.34	18.31	18.31	
3	64QAM	15	0	18.36	18.33	18.29	19.5
3	256QAM	1	0	16.12	16.12	16.10	
3	256QAM	1	8	16.05	16.12	16.03	
3	256QAM	1	14	16.05	16.03	16.01	
3	256QAM	8	0	15.61	15.63	15.54	17
3	256QAM	8	4	15.54	15.58	15.58	
3	256QAM	8	7	15.48	15.49	15.48	
3	256QAM	15	0	15.43	15.49	15.42	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	19.85	19.93	19.89	20.5
1.4	QPSK	1	3	19.77	19.83	19.80	
1.4	QPSK	1	5	19.79	19.73	19.68	
1.4	QPSK	3	0	18.79	18.85	18.81	
1.4	QPSK	3	1	18.82	18.77	18.75	19.5
1.4	QPSK	3	3	18.76	18.73	18.69	
1.4	QPSK	6	0	18.65	18.70	18.68	
1.4	16QAM	1	0	18.76	18.83	18.76	
1.4	16QAM	1	3	18.70	18.78	18.62	19.5
1.4	16QAM	1	5	18.64	18.81	18.53	
1.4	16QAM	3	0	18.62	18.72	18.74	
1.4	16QAM	3	1	18.62	18.63	18.62	
1.4	16QAM	3	3	18.57	18.51	18.60	19.5
1.4	16QAM	6	0	18.47	18.51	18.57	
1.4	64QAM	1	0	18.83	18.67	18.88	
1.4	64QAM	1	3	18.87	18.63	18.84	
1.4	64QAM	1	5	18.75	18.60	18.82	19.5
1.4	64QAM	3	0	18.73	18.42	18.43	
1.4	64QAM	3	1	18.40	18.38	18.32	
1.4	64QAM	3	3	18.32	18.27	18.29	
1.4	64QAM	6	0	18.32	18.29	18.24	19.5
1.4	256QAM	1	0	16.10	16.07	16.06	
1.4	256QAM	1	3	16.02	16.08	16.01	
1.4	256QAM	1	5	16.01	16.01	15.99	
1.4	256QAM	3	0	15.58	15.59	15.52	17.5
1.4	256QAM	3	1	15.51	15.54	15.53	
1.4	256QAM	3	3	15.43	15.44	15.44	
1.4	256QAM	6	0	15.40	15.45	15.38	

Band 5 (Reduced Power Level 1)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	20.17	20.26	20.20	20.5
10	QPSK	1	25	20.09	20.17	20.12	
10	QPSK	1	49	20.06	20.13	20.09	
10	QPSK	25	0	19.15	19.17	19.13	
10	QPSK	25	12	19.07	19.07	19.10	19.5
10	QPSK	25	25	18.98	19.02	19.07	
10	QPSK	50	0	18.90	18.91	19.05	
10	16QAM	1	0	18.75	18.81	18.73	
10	16QAM	1	25	18.71	18.75	18.66	19.5
10	16QAM	1	49	18.68	18.72	18.65	
10	16QAM	25	0	18.57	18.53	18.49	
10	16QAM	25	12	18.55	18.46	18.43	
10	16QAM	25	25	18.45	18.39	18.40	19.5
10	16QAM	50	0	18.38	18.35	18.35	
10	64QAM	1	0	18.61	18.70	18.71	
10	64QAM	1	25	18.58	18.66	18.66	
10	64QAM	1	49	18.50	18.62	18.62	19.5
10	64QAM	25	0	18.43	18.36	18.45	
10	64QAM	25	12	18.34	18.24	18.34	
10	64QAM	25	25	18.30	18.19	18.26	
10	64QAM	50	0	18.24	18.08	18.19	17
10	256QAM	1	0	18.25	18.30	18.23	
10	256QAM	1	25	18.20	18.21	18.20	
10	256QAM	1	49	18.17	18.13	18.18	
10	256QAM	25	0	15.39	15.51	15.35	16
10	256QAM	25	12	15.33	15.46	15.27	
10	256QAM	25	25	15.28	15.36	15.18	
10	256QAM	50	0	15.25	15.34	15.09	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	20.14	20.22	20.17	20.5
5	QPSK	1	12	20.06	20.12	20.08	
5	QPSK	1	24	20.03	20.11	20.06	
5	QPSK	12	0	19.12	19.12	19.11	
5	QPSK	12	7	19.05	19.04	19.07	19.5
5	QPSK	12	13	18.95	18.99	19.04	
5	QPSK	25	0	18.87	18.88	19.01	
5	16QAM	1	0	18.72	18.76	18.71	
5	16QAM	1	12	18.69	18.71	18.64	19.5
5	16QAM	1	24	18.65	18.69	18.62	
5	16QAM	12	0	18.53	18.50	18.45	
5	16QAM	12	7	18.51	18.44	18.41	
5	16QAM	12	13	18.43	18.35	18.37	19.5
5	16QAM	25	0	18.36	18.31	18.33	
5	64QAM	1	0	18.58	18.68	18.69	
5	64QAM	1	12	18.54	18.62	18.62	
5	64QAM	1	24	18.46	18.58	18.59	19.5
5	64QAM	12	0	18.41	18.32	18.42	
5	64QAM	12	7	18.32	18.19	18.31	
5	64QAM	12	13	18.28	18.17	18.22	
5	64QAM	25	0	18.19	18.03	18.16	17
5	256QAM	1	0	16.22	16.25	16.19	
5	256QAM	1	12	16.16	16.17	16.18	
5	256QAM	1	24	16.15	16.08	16.13	
5	256QAM	12	0	15.36	15.47	15.32	16
5	256QAM	12	7	15.29	15.42	15.24	
5	256QAM	12	13	15.26	15.31	15.15	
5	256QAM	25	0	15.21	15.29	15.06	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	20.11	20.18	20.14	20.5
3	QPSK	1	8	20.04	20.08	20.05	
3	QPSK	1	14	19.99	20.09	20.04	
3	QPSK	8	0	19.07	19.07	19.07	
3	QPSK	8	4	19.02	18.99	19.04	19.5
3	QPSK	8	7	18.93	18.96	19.02	
3	QPSK	15	0	18.85	18.86	18.97	
3	16QAM	1	0	18.69	18.73	18.68	
3	16QAM	1	8	18.66	18.69	18.61	19.5
3	16QAM	1	14	18.62	18.65	18.58	
3	16QAM	6	0	18.50	18.47	18.41	
3	16QAM	8	4	18.48	18.40	18.38	
3	16QAM	8	7	18.39	18.32	18.32	19.5
3	16QAM	15	0	18.34	18.26	18.30	
3	64QAM	1	0	18.55	18.63	18.66	
3	64QAM	1	8	18.52	18.58	18.59	
3	64QAM	1	14	18.44	18.54	18.56	19.5
3	64QAM	8	0	18.37	18.28	18.39	
3	64QAM	8	4	18.29	18.16	18.29	
3	64QAM	8	7	18.26	18.14	18.20	
3	64QAM	15	0	18.16	17.99	18.12	17
3	256QAM	1	0	16.19	16.20	16.17	
3	256QAM	1	8	16.12	16.15	16.15	
3	256QAM	1	14	16.11	16.06	16.11	
3	256QAM	8	0	15.32	15.42	15.28	16
3	256QAM	8	4	15.25	15.37	15.22	
3	256QAM	8	7	15.22	15.26	15.11	
3	256QAM	15	0	15.18	15.26	15.04	
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	20.08	20.15	20.09	20.5
1.4	QPSK	1	3	20.01	20.05	20.01	
1.4	QPSK	1	5	19.96	20.07	19.99	
1.4	QPSK	3	0	19.03	19.03	19.03	
1.4	QPSK	3	1	18.99	18.95	18.99	

Band 66 (Reduced Power Level 1)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dbm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	20.26	20.32	20.25	21
20	QPSK	1	49	20.07	20.15	20.05	
20	QPSK	1	99	19.99	20.08	19.99	
20	QPSK	50	0	19.21	19.31	19.18	
20	QPSK	50	24	19.10	19.21	19.14	20
20	QPSK	50	50	19.06	19.15	19.05	
20	QPSK	100	0	19.01	19.06	19.04	
20	16QAM	1	0	19.40	19.44	19.42	
20	16QAM	1	49	19.33	19.41	19.34	20
20	16QAM	1	99	19.24	19.35	19.24	
20	16QAM	50	0	19.21	19.23	19.21	
20	16QAM	50	24	19.18	19.22	19.17	
20	16QAM	50	50	19.10	19.14	19.08	20
20	16QAM	100	0	19.04	19.05	19.00	
20	64QAM	1	0	19.15	19.45	19.38	
20	64QAM	1	49	19.12	19.44	19.35	
20	64QAM	1	99	19.05	19.42	19.29	20
20	64QAM	50	0	19.23	19.27	19.31	
20	64QAM	50	24	19.21	19.22	19.28	
20	64QAM	50	50	19.16	19.16	19.25	
20	64QAM	100	0	19.06	19.14	19.21	17.5
20	256QAM	1	0	16.38	16.48	16.44	
20	256QAM	1	49	16.36	16.45	16.34	
20	256QAM	1	99	16.26	16.44	16.23	
20	256QAM	50	0	15.89	16.00	15.95	16.5
20	256QAM	50	24	15.87	15.96	15.88	
20	256QAM	50	50	15.84	15.86	15.86	
20	256QAM	100	0	15.80	15.77	15.82	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	20.21	20.30	20.21	21
15	QPSK	1	37	20.03	20.11	20.00	
15	QPSK	1	74	19.95	20.06	19.95	
15	QPSK	36	0	19.19	19.28	19.14	
15	QPSK	36	20	19.08	19.17	19.10	20
15	QPSK	36	39	19.02	19.11	19.01	
15	QPSK	75	0	18.97	19.04	18.99	
15	16QAM	1	0	19.35	19.42	19.38	
15	16QAM	1	37	19.30	19.39	19.32	20
15	16QAM	1	74	19.20	19.31	19.21	
15	16QAM	36	0	19.19	19.21	19.19	
15	16QAM	36	20	19.14	19.19	19.14	
15	16QAM	36	39	19.06	19.11	19.05	20
15	16QAM	75	0	19.01	19.03	18.98	
15	64QAM	1	0	19.11	19.41	19.34	
15	64QAM	1	37	19.08	19.39	19.31	
15	64QAM	1	74	19.01	19.39	19.26	20
15	64QAM	36	0	19.19	19.22	19.28	
15	64QAM	36	20	19.16	19.18	19.25	
15	64QAM	36	39	19.13	19.13	19.21	
15	64QAM	75	0	19.02	19.10	19.19	17.5
15	256QAM	1	0	16.34	16.44	16.41	
15	256QAM	1	37	16.33	16.40	16.29	
15	256QAM	1	74	16.21	16.39	16.18	
15	256QAM	36	0	15.86	15.96	15.92	16.5
15	256QAM	36	20	15.83	15.92	15.85	
15	256QAM	36	39	15.79	15.81	15.83	
15	256QAM	75	0	15.76	15.74	15.77	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	20.16	20.27	20.16	21
10	QPSK	1	25	19.99	20.07	19.95	
10	QPSK	1	49	19.92	20.03	19.93	
10	QPSK	25	0	19.15	19.23	19.11	
10	QPSK	25	12	19.05	19.15	19.07	20
10	QPSK	25	25	18.98	19.08	18.97	
10	QPSK	50	0	18.93	19.01	18.95	
10	16QAM	1	0	19.31	19.40	19.35	
10	16QAM	1	25	19.26	19.34	19.27	20
10	16QAM	1	49	19.18	19.27	19.16	
10	16QAM	25	0	19.14	19.17	19.16	
10	16QAM	25	12	19.10	19.16	19.12	
10	16QAM	25	25	19.02	19.09	19.01	20
10	16QAM	50	0	18.99	18.99	18.94	
10	64QAM	1	0	19.06	19.38	19.29	
10	64QAM	1	25	19.05	19.36	19.29	
10	64QAM	1	49	18.97	19.37	19.22	20
10	64QAM	25	0	19.14	19.18	19.24	
10	64QAM	25	12	19.13	19.15	19.21	
10	64QAM	25	25	19.09	19.10	19.18	
10	64QAM	50	0	19.00	19.06	19.14	17.5
10	256QAM	1	0	16.31	16.40	16.37	
10	256QAM	1	25	16.30	16.36	16.26	
10	256QAM	1	49	16.18	16.37	16.14	
10	256QAM	25	0	15.83	15.92	15.89	16.5
10	256QAM	25	12	15.81	15.88	15.82	
10	256QAM	25	25	15.75	15.78	15.79	
10	256QAM	50	0	15.71	15.70	15.75	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	20.11	20.23	20.14	21
5	QPSK	1	12	19.95	20.03	19.92	
5	QPSK	1	24	19.87	20.01	19.91	
5	QPSK	12	0	19.11	19.19	19.08	
5	QPSK	12	7	19.01	19.11	19.03	20

1.4	16QAM	1	5	18.58	18.62	18.54	19.5
1.4	16QAM	3	0	18.46	18.44	18.37	
1.4	16QAM	3	1	18.45	18.38	18.35	
1.4	16QAM	3	3	18.37	18.29	18.27	
1.4	16QAM	6	0	18.32	18.23	18.26	19.5
1.4	64QAM	1	0	18.51	18.60	18.63	19.5
1.4	64QAM	1	3	18.49	18.56	18.54	
1.4	64QAM	1	5	18.40	18.50	18.52	
1.4	64QAM	3	0	18.34	18.24	18.37	
1.4	64QAM	3	1	18.24	18.12	18.26	19.5
1.4	64QAM	3	3	18.24	18.10	18.16	
1.4	64QAM	6	0	18.11	17.95	18.09	
1.4	256QAM	1	0	18.15	18.16	18.14	
1.4	256QAM	1	3	16.07	16.10	16.11	17
1.4	256QAM	1	5	16.07	16.02	16.08	
1.4	256QAM	3	0	15.28	15.37	15.24	
1.4	256QAM	3	1	15.23	15.33	15.18	
1.4	256QAM	3	3	15.18	15.22	15.08	16
1.4	256QAM	6	0	15.16	15.22	14.99	

5	16QAM	1	24	19.15	19.22	19.12	20
5	16QAM	12	0	19.12	19.12	19.14	
5	16QAM	12	7	19.06	19.14	19.07	
5	16QAM	12	13	18.97	19.06	18.98	
5	16QAM	25	0	18.94	18.95	18.91	20
5	64QAM	1	0	19.03	19.35	19.26	
5	64QAM	1	12	19.01	19.31	19.27	
5	64QAM	1	24	18.92	19.33	19.18	
5	64QAM	12	0	19.10	19.15	19.22	20
5	64QAM	12	7	19.09	19.12	19.18	
5	64QAM	12	13	19.05	19.06	19.16	
5	64QAM	25	0	18.96	19.02	19.12	
5	256QAM	1	0	16.26	16.38	16.35	17.5
5	256QAM	1	12	16.27	16.32	16.22	
5	256QAM	1	24	16.15	16.34	16.12	
5	256QAM	12	0	15.79	15.89	15.85	
5	256QAM	12	7	15.78	15.85	15.79	16.5
5	256QAM	12	13	15.71	15.74	15.75	
5	256QAM	25	0	15.68	15.66	15.71	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	20.08	20.20	20.12	21
3	QPSK	1	8	19.91	20.01	19.88	
3	QPSK	1	14	19.84	19.96	19.86	
3	QPSK	8	0	19.07	19.15	19.05	
3	QPSK	8	4	18.98	19.07	18.98	20
3	QPSK	8	7	18.92	19.02	18.89	
3	QPSK	15	0	18.86	18.95	18.86	
3	16QAM	1	0	19.23	19.32	19.30	
3	16QAM	1	8	19.20	19.25	19.20	20
3	16QAM	1	14	19.12	19.20	19.09	
3	16QAM	8	0	19.08	19.10	19.11	
3	16QAM	8	4	19.03	19.12	19.05	
3	16QAM	8	7	18.93	19.03	18.93	20
3	16QAM	15	0	18.91	18.91	18.87	
3	64QAM	1	0	18.99	19.32	19.21	
3	64QAM	1	8	18.98	19.28	19.24	
3	64QAM	1	14	18.90	19.31	19.14	20
3	64QAM	8	0	19.06	19.11	19.18	
3	64QAM	8	4	19.07	19.08	19.14	
3	64QAM	8	7	19.00	19.02	19.12	
3	64QAM	15	0	18.94	18.98	19.09	17.5
3	256QAM	1	0	16.22	16.35	16.31	
3	256QAM	1	8	16.22	16.30	16.17	
3	256QAM	1	14	16.11	16.30	16.08	
3	256QAM	8	0	15.76	15.86	15.82	16.5
3	256QAM	8	4	15.74	15.82	15.76	
3	256QAM	8	7	15.68	15.70	15.73	
3	256QAM	15	0	15.65	15.61	15.66	
Channel				131979	132322	132655	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	20.06	20.15	20.07	21
1.4	QPSK	1	3	19.86	19.97	19.86	
1.4	QPSK	1	5	19.81	19.92	19.82	
1.4	QPSK	3	0	19.03	19.13	19.01	
1.4	QPSK	3	1	18.94	19.02	18.95	
1.4	QPSK	3	3	18.89	18.97	18.84	
1.4	QPSK	6	0	18.81	18.92	18.83	20
1.4	16QAM	1	0	19.19	19.29	19.27	20
1.4	16QAM	1	3	19.16	19.22	19.18	
1.4	16QAM	1	5	19.09	19.18	19.05	
1.4	16QAM	3	0	19.03	19.07	19.09	
1.4	16QAM	3	1	19.00	19.09	19.03	
1.4	16QAM	3	3	18.91	19.00	18.88	
1.4	16QAM	6	0	18.88	18.89	18.84	20
1.4	64QAM	1	0	18.95	19.27	19.17	
1.4	64QAM	1	3	18.94	19.24	19.20	20
1.4	64QAM	1	5	18.86	19.29	19.11	
1.4	64QAM	3	0	19.04	19.07	19.14	
1.4	64QAM	3	1	19.03	19.05	19.11	
1.4	64QAM	3	3	18.95	18.97	19.07	
1.4	64QAM	6	0	18.90	18.95	19.05	
1.4	256QAM	1	0	16.18	16.32	16.26	17.5
1.4	256QAM	1	3	16.19	16.25	16.14	
1.4	256QAM	1	5	16.07	16.26	16.04	
1.4	256QAM	3	0	15.74	15.82	15.78	
1.4	256QAM	3	1	15.69	15.79	15.72	16.5
1.4	256QAM	3	3	15.65	15.67	15.70	
1.4	256QAM	6	0	15.62	15.59	15.62	16.5

LTE Band 48 (Reduced Power Level 1)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle-Low Channel	Middle-Low Channel	Middle-High Channel	High Channel	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	22.64	22.60	22.74	22.67	22.64	23.5
20	QPSK	1	49	22.46	22.48	22.54	22.49	22.41	
20	QPSK	1	99	22.43	22.39	22.33	22.51	22.52	
20	QPSK	50	0	21.53	21.54	21.64	21.59	21.52	22.5
20	QPSK	50	24	21.43	21.48	21.48	21.49	21.50	
20	QPSK	50	50	21.49	21.45	21.59	21.39	21.46	
20	QPSK	100	0	21.46	21.49	21.45	21.54	21.36	
20	16QAM	1	0	21.64	21.52	21.54	21.44	21.59	22.5
20	16QAM	1	49	21.51	21.39	21.39	21.59	21.50	
20	16QAM	1	99	21.53	21.54	21.43	21.40	21.42	
20	16QAM	50	0	21.48	21.52	21.46	21.33	21.23	22
20	16QAM	50	24	21.42	21.43	21.38	21.31	21.26	
20	16QAM	50	50	21.34	21.36	21.51	21.50	21.39	
20	16QAM	100	0	21.45	21.54	21.56	21.51	21.36	
20	64QAM	1	0	21.73	21.68	21.61	21.68	21.54	22
20	64QAM	1	49	21.70	21.57	21.78	21.54	21.53	
20	64QAM	1	99	21.63	21.83	21.72	21.63	21.51	
20	64QAM	50	0	20.67	20.79	20.95	20.83	20.77	21.5
20	64QAM	50	24	20.69	20.51	20.55	20.55	20.87	
20	64QAM	50	50	20.75	20.66	20.53	20.39	20.66	
20	64QAM	100	0	20.55	20.45	20.66	20.67	20.54	
20	256QAM	1	0	16.88	16.66	16.65	16.74	16.95	17.5
20	256QAM	1	49	16.69	16.54	16.73	17.01	16.63	
20	256QAM	1	99	16.59	16.88	16.75	16.84	16.75	
20	256QAM	50	0	16.54	16.44	16.54	16.69	16.54	17
20	256QAM	50	24	16.48	16.53	16.45	16.35	16.44	
20	256QAM	50	50	16.44	16.42	16.59	16.21	16.54	
20	256QAM	100	0	16.22	16.35	16.28	16.33	16.63	
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.61	22.57	22.71	22.64	22.61	23.5
15	QPSK	1	37	22.43	22.45	22.51	22.46	22.38	
15	QPSK	1	74	22.40	22.36	22.30	22.48	22.49	
15	QPSK	36	0	21.50	21.51	21.61	21.56	21.49	22.5
15	QPSK	36	20	21.40	21.45	21.45	21.46	21.47	
15	QPSK	36	39	21.46	21.42	21.56	21.36	21.43	
15	QPSK	75	0	21.43	21.46	21.42	21.51	21.33	
15	16QAM	1	0	21.61	21.49	21.51	21.41	21.56	22.5
15	16QAM	1	37	21.48	21.36	21.36	21.56	21.47	
15	16QAM	1	74	21.50	21.51	21.40	21.37	21.39	
15	16QAM	36	0	21.45	21.49	21.43	21.30	21.20	22
15	16QAM	36	20	21.39	21.40	21.35	21.28	21.23	
15	16QAM	36	39	21.31	21.33	21.48	21.47	21.36	
15	16QAM	75	0	21.42	21.51	21.53	21.48	21.33	
15	64QAM	1	0	21.70	21.65	21.58	21.65	21.51	22
15	64QAM	1	37	21.67	21.54	21.75	21.51	21.50	
15	64QAM	1	74	21.60	21.80	21.69	21.60	21.48	
15	64QAM	36	0	20.64	20.76	20.92	20.80	20.74	21.5
15	64QAM	36	20	20.66	20.48	20.52	20.52	20.84	
15	64QAM	36	39	20.72	20.63	20.50	20.36	20.63	
15	64QAM	75	0	20.52	20.42	20.63	20.64	20.51	
15	256QAM	1	0	16.85	16.63	16.62	16.71	16.92	17.5
15	256QAM	1	37	16.66	16.51	16.70	16.98	16.60	
15	256QAM	1	74	16.56	16.85	16.72	16.81	16.72	
15	256QAM	36	0	16.51	16.41	16.51	16.66	16.51	17
15	256QAM	36	20	16.45	16.50	16.42	16.32	16.41	
15	256QAM	36	39	16.41	16.39	16.56	16.18	16.51	
15	256QAM	75	0	16.19	16.32	16.25	16.30	16.60	
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.58	22.54	22.68	22.61	22.58	23.5
10	QPSK	1	25	22.40	22.42	22.48	22.43	22.35	
10	QPSK	1	49	22.37	22.33	22.27	22.45	22.46	
10	QPSK	25	0	21.47	21.48	21.58	21.53	21.46	22.5
10	QPSK	25	12	21.37	21.42	21.42	21.43	21.44	
10	QPSK	25	25	21.43	21.39	21.53	21.33	21.40	

10	16QAM	1	25	21.45	21.33	21.33	21.53	21.44	22.5
10	16QAM	1	49	21.47	21.48	21.37	21.34	21.36	
10	16QAM	25	0	21.42	21.46	21.40	21.27	21.17	22
10	16QAM	25	12	21.36	21.37	21.32	21.25	21.20	
10	16QAM	25	25	21.28	21.30	21.45	21.44	21.33	
10	16QAM	50	0	21.39	21.48	21.50	21.45	21.30	
10	64QAM	1	0	21.67	21.62	21.55	21.62	21.48	22
10	64QAM	1	25	21.64	21.51	21.72	21.48	21.47	
10	64QAM	1	49	21.57	21.77	21.66	21.57	21.45	
10	64QAM	25	0	20.61	20.73	20.89	20.77	20.71	21.5
10	64QAM	25	12	20.63	20.45	20.49	20.49	20.81	
10	64QAM	25	25	20.69	20.60	20.47	20.33	20.60	
10	64QAM	50	0	20.49	20.39	20.60	20.61	20.48	
10	256QAM	1	0	16.82	16.60	16.59	16.68	16.89	
10	256QAM	1	25	16.63	16.48	16.67	16.95	16.57	17.5
10	256QAM	1	49	16.53	16.82	16.69	16.78	16.69	
10	256QAM	25	0	16.48	16.38	16.48	16.63	16.48	
10	256QAM	25	12	16.42	16.47	16.39	16.29	16.38	17
10	256QAM	25	25	16.38	16.36	16.53	16.15	16.48	
10	256QAM	50	0	16.16	16.29	16.22	16.27	16.57	
Channel				55265	55810	55990	56170	56175	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.55	22.51	22.65	22.58	22.55	23.5
5	QPSK	1	12	22.37	22.39	22.45	22.40	22.32	
5	QPSK	1	24	22.34	22.30	22.24	22.42	22.43	
5	QPSK	12	0	21.44	21.45	21.55	21.50	21.43	22.5
5	QPSK	12	7	21.34	21.39	21.39	21.40	21.41	
5	QPSK	12	13	21.40	21.36	21.50	21.30	21.37	
5	QPSK	25	0	21.37	21.40	21.36	21.45	21.27	
5	16QAM	1	0	21.55	21.43	21.45	21.35	21.50	22.5
5	16QAM	1	12	21.42	21.30	21.30	21.50	21.41	
5	16QAM	1	24	21.44	21.45	21.34	21.31	21.33	
5	16QAM	12	0	21.39	21.43	21.37	21.24	21.14	22
5	16QAM	12	7	21.33	21.34	21.29	21.22	21.17	
5	16QAM	12	13	21.25	21.27	21.42	21.41	21.30	
5	16QAM	25	0	21.36	21.45	21.47	21.42	21.27	
5	64QAM	1	0	21.64	21.59	21.52	21.59	21.45	
5	64QAM	1	12	21.61	21.48	21.69	21.45	21.44	22
5	64QAM	1	24	21.54	21.74	21.63	21.54	21.42	
5	64QAM	12	0	20.58	20.70	20.86	20.74	20.68	21.5
5	64QAM	12	7	20.60	20.42	20.46	20.46	20.78	
5	64QAM	12	13	20.66	20.57	20.44	20.30	20.57	
5	64QAM	25	0	20.46	20.36	20.57	20.58	20.45	
5	256QAM	1	0	16.79	16.57	16.56	16.65	16.86	17.5
5	256QAM	1	12	16.60	16.45	16.64	16.92	16.54	
5	256QAM	1	24	16.50	16.79	16.66	16.75	16.66	
5	256QAM	12	0	16.45	16.35	16.45	16.60	16.45	17
5	256QAM	12	7	16.39	16.44	16.36	16.26	16.35	
5	256QAM	12	13	16.35	16.33	16.50	16.12	16.45	
5	256QAM	25	0	16.13	16.26	16.19	16.24	16.54	

n2 (Reduce Power Level 1)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000.00	
Frequency (MHz)				1860	1880	1900.00	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.84	19.75	19.57	20.50
20		1	53	19.88	19.63	19.01	
20		1	104	19.91	19.48	19.56	
20		50	1	20.02	19.81	19.03	20.00
20		50	25	19.98	19.78	19.98	
20		50	50	19.96	19.98	20.08	
20		100	0	19.48	19.56	20.06	
20	DFT-s-OFDM QPSK	1	1	20.24	20.31	20.28	21.00
20		1	53	19.99	20.07	19.49	
20		1	104	19.94	19.95	19.67	
20		50	1	19.80	19.88	19.77	20.50
20		50	25	19.79	19.57	19.72	
20		50	50	19.54	19.77	19.63	
20		100	0	19.41	19.59	19.55	
20	DFT-s-OFDM 16QAM	1	1	17.13	17.29	17.96	18.50
20	DFT-s-OFDM 64QAM	1	1	16.36	16.38	16.98	17.50
20	DFT-s-OFDM 256QAM	1	1	15.32	16.19	15.97	16.50
Channel				3715000	376000	380500.00	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.50	
15	DFT-s-OFDM QPSK	1	1	19.81	19.83	19.89	20.50
Channel				371000	376000	381000.00	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905.00	
10	DFT-s-OFDM QPSK	1	1	20.01	19.86	20.02	20.50
Channel				370500	376000	381500.00	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.50	
5	DFT-s-OFDM QPSK	1	1	20.06	19.83	20.02	20.50
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000.00	
Frequency (MHz)				1860	1880	1767.50	
20	CP-OFDM QPSK	1	1	19.41	19.22	19.43	20.00
20	CP-OFDM 16QAM	1	1	19.24	18.99	19.13	19.50
20	CP-OFDM 64QAM	1	1	17.29	16.82	17.15	18.00
20	CP-OFDM 256QAM	1	1	14.31	14.09	14.26	15.00

n5 (Reduce Power Level 1)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800.00	
Frequency (MHz)				834	836.5	839.00	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.79	22.73	22.69	23.50
20		1	53	22.54	22.51	22.69	
20		1	104	23.36	23.35	22.80	
20		50	1	22.67	22.68	22.81	24.20
20		50	25	22.63	22.55	22.85	
20		50	50	23.52	23.45	23.02	
20		100	0	22.65	22.61	22.77	
20	DFT-s-OFDM QPSK	1	1	23.40	23.53	23.44	24.00
20		1	53	23.27	23.25	23.34	
20		1	104	23.34	23.10	23.11	
20		50	1	22.57	22.66	22.60	23.00
20		50	25	22.50	22.60	22.47	
20		50	50	22.25	22.42	22.48	
20		100	0	22.38	22.40	22.38	
20	DFT-s-OFDM 16QAM	1	1	22.95	22.62	23.05	24.20
20	DFT-s-OFDM 64QAM	1	1	22.36	22.48	22.28	21.50
20	DFT-s-OFDM 256QAM	1	1	20.61	20.44	20.51	21.20
Channel				166300	167300	168300.00	Tune-up limit (dBm)
Frequency (MHz)				831.5	836.5	841.50	
15	DFT-s-OFDM QPSK	1	1	23.31	23.15	22.98	24.20
Channel				165800	167300	168800.00	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844.00	
10	DFT-s-OFDM QPSK	1	1	22.62	22.58	23.02	24.20
Channel				165300	167300	169300.00	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.50	
5	DFT-s-OFDM QPSK	1	1	23.29	23.17	22.83	23.50
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800.00	
Frequency (MHz)				834	836.5	839.00	
20	CP-OFDM QPSK	1	1	22.81	22.81	22.89	23.50
20	CP-OFDM 16QAM	1	1	23.27	23.04	22.93	23.50
20	CP-OFDM 64QAM	1	1	21.34	21.35	21.42	22.00
20	CP-OFDM 256QAM	1	1	18.72	18.65	18.77	19.50

n66 (Reduce Power Level 1)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000.00	
Frequency (MHz)				1720	1745	1770.00	
20	DFT-s-OFDM PI/2 BPSK	1	1	19.99	20.04	20.17	21.00
20		1	53	19.96	20.16	20.11	
20		1	104	20.06	20.17	20.26	
20		50	1	19.70	19.72	19.76	20.50
20	DFT-s-OFDM QPSK	50	25	19.75	19.75	19.71	
20		50	50	18.83	20.22	19.72	
20		100	0	19.71	19.70	19.77	
20	DFT-s-OFDM 16QAM	1	1	20.20	20.38	20.28	21.00
20		1	53	20.15	20.20	20.22	
20		1	104	20.02	20.11	20.14	
20		50	1	19.71	19.74	19.70	20.50
20	DFT-s-OFDM 64QAM	50	25	19.54	19.66	19.63	
20		50	50	19.58	20.26	19.63	
20		100	0	19.46	19.58	19.44	
20	DFT-s-OFDM 256QAM	1	1	20.22	20.31	20.36	21.00
20	DFT-s-OFDM 64QAM	1	1	18.37	18.55	18.57	19.00
20	DFT-s-OFDM 256QAM	1	1	19.68	16.57	16.61	17.00
Channel				343500	349000	354500.00	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.50	
15	DFT-s-OFDM QPSK	1	1	20.03	20.13	20.08	21.00
Channel				343000	349000	355000.00	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775.00	
10	DFT-s-OFDM QPSK	1	1	20.19	20.20	20.12	21.00
Channel				3425000	349000	355500.00	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.50	
5	DFT-s-OFDM QPSK	1	1	20.08	20.15	20.15	21.00
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				344000	349000	354000.00	
Frequency (MHz)				1720	1745	1767.50	
20	CP-OFDM QPSK	1	1	19.59	19.74	19.74	20.50
20	CP-OFDM 16QAM	1	1	19.25	19.38	19.45	20.00
20	CP-OFDM 64QAM	1	1	17.41	17.49	17.53	18.00
20	CP-OFDM 256QAM	1	1	14.46	14.76	14.80	15.50

Reduced Power Level 1

2.4GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 5	802.11b 1Mbps	CH 1	2412	16.01	16.5	16	100.00
		CH 6	2437	14.28	15.0	16	
		CH 11	2462	14.35	15.0	16	
	802.11g 6Mbps	CH 1	2412	15.97	16.5	16	98.21
		CH 6	2437	14.66	15.0	16	
		CH 11	2462	14.21	15.0	16	
	802.11n-HT20 MCS0	CH 1	2412	14.07	14.5	16	98.59
		CH 6	2437	14.05	14.5	16	
		CH 11	2462	13.97	14.5	16	
	802.11n-HT40 MCS0	CH 3	2422	14.02	14.50	16	94.20
		CH 6	2437	13.98	14.50	16	
		CH 9	2452	13.94	14.50	16	

2.4GHz WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 6	802.11b 1Mbps	CH 1	2412	14.14	15.0	14	100.00
		CH 6	2437	14.67	15.0	14	
		CH 11	2462	14.05	14.5	14	
	802.11g 6Mbps	CH 1	2412	13.95	14.5	14	98.21
		CH 6	2437	14.21	14.5	14	
		CH 11	2462	14.23	14.5	14	
	802.11n-HT20 MCS0	CH 1	2412	14.11	14.5	14	98.59
		CH 6	2437	14.21	14.5	14	
		CH 11	2462	13.69	14.0	14	
	802.11n-HT40 MCS0	CH 3	2422	13.66	14.0	14	94.20
		CH 6	2437	13.67	14.0	14	
		CH 9	2452	13.71	14.0	14	

5GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 5	802.11a 6Mbps	36	5180	10.68	11.0	14	98.03
		44	5220	10.31	11.0	14	
		48	5240	10.16	11.0	14	
	802.11n-HT20 MCS0	CH 36	5180	10.23	11.0	14	98.28
		CH 44	5220	9.79	10.5	14	
		CH 48	5240	9.55	10.0	14	
	802.11n-HT40 MCS0	CH 38	5190	13.24	14.0	14	96.68
		CH 46	5230	12.63	13.0	14	
		CH 36	5180	12.36	13.0	14	
	802.11ac-VHT20 MCS0	CH 44	5220	11.89	12.5	14	98.14
		CH 48	5240	11.84	12.5	14	
		CH 38	5190	12.23	13.0	14	
	802.11ac-VHT40 MCS0	CH 46	5230	11.89	12.5	14	96.41
		CH 36	5180	12.36	13.0	14	
	802.11ac-VHT80 MCS0	CH 42	5210	11.86	12.5	14	93.54
		CH 48	5240	11.84	12.5	14	

5.2GHz WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 6	802.11a 6Mbps	36	5180	11.54	12.0	14.5	98.03
		44	5220	10.98	11.5	14.5	
		48	5240	10.70	11.0	14.5	
	802.11n-HT20 MCS0	CH 36	5180	10.50	11.0	14.5	98.28
		CH 44	5220	9.88	10.5	14.5	
		CH 48	5240	9.72	10.5	14.5	
	802.11n-HT40 MCS0	CH 38	5190	13.18	14.0	14.5	96.68
		CH 46	5230	12.36	13.0	14.5	
	802.11ac-VHT20 MCS0	CH 36	5180	12.28	13.0	14.5	98.14
		CH 44	5220	11.81	12.5	14.5	
		CH 48	5240	11.65	12.5	14.5	
	802.11ac-VHT40 MCS0	CH 38	5190	12.56	13.0	14.5	96.41
		CH 46	5230	11.93	12.5	14.5	
	802.11ac-VHT80 MCS0	CH 42	5210	12.34	12.5	14.5	93.54
		CH 48	5240	11.65	12.5	14.5	

5GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 5	802.11a 6Mbps	CH 52	5260	10.19	11.0	14	98.03
		CH 60	5300	10.62	11.0	14	
		CH 64	5320	10.85	11.5	14	
	802.11n-HT20 MCS0	CH 52	5260	9.59	10.0	14	98.28
		CH 60	5300	10.06	10.5	14	
		CH 64	5320	10.31	11.0	14	
	802.11n-HT40 MCS0	CH 54	5270	12.31	13.0	14	96.68
		CH 62	5310	12.63	13.0	14	
	802.11ac-VHT20 MCS0	CH 52	5260	11.62	12.5	14	98.14
		CH 60	5300	11.93	12.5	14	
		CH 64	5320	12.34	13.0	14	
	802.11ac-VHT40 MCS0	CH 54	5270	12.07	12.5	14	96.41
		CH 62	5310	12.62	13.0	14	
	802.11ac-VHT80 MCS0	CH 58	5290	12.04	12.5	14	93.54
		CH 64	5320	12.34	13.0	14	

5.3GHz WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 6	802.11a 6Mbps	CH 52	5260	10.83	11.5	14.5	98.03
		CH 60	5300	11.09	11.5	14.5	
		CH 64	5320	11.46	12.0	14.5	
	802.11n-HT20 MCS0	CH 52	5260	9.88	10.5	14.5	98.28
		CH 60	5300	10.13	10.5	14.5	
		CH 64	5320	10.50	11.0	14.5	
	802.11n-HT40 MCS0	CH 54	5270	12.25	13.0	14.5	96.68
		CH 62	5310	12.84	13.5	14.5	
	802.11ac-VHT20 MCS0	CH 52	5260	11.86	12.5	14.5	98.14
		CH 60	5300	11.67	12.0	14.5	
		CH 64	5320	12.08	12.5	14.5	
	802.11ac-VHT40 MCS0	CH 54	5270	12.02	12.5	14.5	96.41
		CH 62	5310	12.44	13.0	14.5	
	802.11ac-VHT80 MCS0	CH 58	5290	11.84	12.5	14.5	93.54
		CH 64	5320	12.08	12.5	14.5	

5GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 5	802.11a 6Mbps	CH 100	5500	10.11	12.0	13.5	98.03
		CH 120	5600	9.28	10.0	13.5	
		CH 144	5720	9.49	10.0	13.5	
	802.11n-HT20 MCS0	CH 100	5500	12.13	13.0	13.5	98.28
		CH 120	5600	11.22	12.0	13.5	
		CH 144	5720	11.65	12.0	13.5	
	802.11n-HT40 MCS0	CH 102	5510	12.76	13.0	13.5	96.68
		CH 126	5630	11.66	12.0	13.5	
		CH 142	5710	11.99	12.5	13.5	
	802.11ac-VHT20 MCS0	CH 100	5500	11.82	12.5	13.5	98.14
		CH 120	5600	11.08	11.5	13.5	
		CH 144	5720	11.13	11.5	13.5	
	802.11ac-VHT40 MCS0	CH 102	5510	12.12	13.0	13.5	96.41
		CH 126	5630	11.41	12.0	13.5	
	802.11ac-VHT80 MCS0	CH 142	5710	11.47	12.0	13.5	93.54
		CH 106	5530	11.90	12.5	13.5	

5.5 WLAN ANT 6

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.5GHz WLAN ANT 6	802.11a 6Mbps	CH 100	5500	9.68	10.0	15	98.03
		CH 116	5580	9.55	10.0	15	
		CH 144	5720	9.28	10.0	15	
	802.11n-HT20 MCS0	CH 100	5500	12.65	13.0	15	98.28
		CH 116	5580	12.10	13.0	15	
		CH 144	5720	11.50	12.0	15	
	802.11n-HT40 MCS0	CH 102	5510	12.25	12.5	15	96.68
		CH 126	5630	12.07	12.5	15	
		CH 142	5710	12.08	12.5	15	
	802.11ac-VHT20 MCS0	CH 100	5500	12.08	12.5	15	98.14
		CH 116	5580	11.47	12.0	15	
		CH 144	5720	10.94	11.5	15	
	802.11ac-VHT40 MCS0	CH 102	5510	12.17	12.5	15	96.41
		CH 126	5630	11.55	12.0	15	
	802.11ac-VHT80 MCS0	CH 142	5710	11.79	12.5	15	93.54
		CH 106	5530	12.67	13.0	15	

5GHz WLAN ANT 5

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
5.8GHz WLAN ANT 5	802.11a MCS0	CH 149	5745	9.45	10.0	13.5	98.03
		CH 157	5785	9.96	10.5	13.5	
		CH 165	5825	10.13	10.5	13.5	
	802.11n-HT20 MCS0	CH 149	5745	11.63	12.0	13.5	98.28
		CH 157	5785	12.02	12.5	13.5	
		CH 165	5825	12.16	12.5	13.5	
	802.11n-HT40 MCS0	CH 151	5755	11.93	12.5	13.5	96.68
		CH 159	5795	12.01	12.5	13.5	
	802.11ac-VHT20 MCS0	CH 149	5745	11.16	12.0	13.5	98.14</

Reduced Power Level 2

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	RMC 12.2Kbps	12.57	12.65	12.52	13.00	13.07	13.29	13.18	14.00	16.26	16.32	16.17	17.00
3GPP Rel 6	HSDPA Subtest-1	11.62	11.70	11.68	12.50	12.33	12.35	12.33	13.00	15.31	15.34	15.26	16.00
3GPP Rel 6	HSDPA Subtest-2	11.74	11.96	11.78	12.50	12.40	12.46	12.52	13.00	15.33	15.35	15.30	16.00
3GPP Rel 6	HSDPA Subtest-3	11.10	11.22	11.16	12.00	11.86	11.87	11.84	12.50	15.20	14.85	14.77	15.50
3GPP Rel 6	HSDPA Subtest-4	11.04	11.23	11.13	12.00	11.87	11.90	11.83	12.50	15.08	14.89	14.78	15.50
3GPP Rel 8	DC-HSDPA Subtest-1	11.83	11.75	11.77	12.50	12.34	12.42	12.31	13.00	15.43	15.45	15.35	16.00
3GPP Rel 8	DC-HSDPA Subtest-2	11.81	11.75	11.81	12.50	12.34	12.40	12.38	13.00	15.43	15.45	15.36	16.00
3GPP Rel 8	DC-HSDPA Subtest-3	11.21	11.21	11.25	12.00	11.81	11.88	11.87	12.50	14.93	14.96	14.88	15.50
3GPP Rel 8	DC-HSDPA Subtest-4	11.18	11.27	11.30	12.00	11.78	11.88	11.89	12.50	14.93	14.95	14.90	15.50
3GPP Rel 6	HSUPA Subtest-1	11.73	11.81	11.69	12.50	12.35	12.53	12.32	13.00	15.33	15.28	15.38	16.00
3GPP Rel 6	HSUPA Subtest-2	11.13	11.58	11.17	12.00	11.83	12.08	11.89	12.50	14.82	14.83	14.75	15.50
3GPP Rel 6	HSUPA Subtest-3	11.62	11.75	11.63	12.00	12.31	12.38	12.33	13.00	15.33	15.37	15.34	16.00
3GPP Rel 6	HSUPA Subtest-4	11.60	11.74	11.65	12.00	12.35	12.41	12.36	13.00	15.32	15.32	15.25	16.00
3GPP Rel 6	HSUPA Subtest-5	11.56	11.75	11.68	12.00	12.38	12.51	12.32	13.00	15.28	15.32	15.37	16.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	11.64	11.68	11.64	12.00	12.35	12.40	12.33	13.00	15.30	15.38	15.36	16.00
Mode			Max.	12.65			Max.	13.29			Max.	16.32	

Band 2 (Reduced Power Level 2)							
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	15.27	15.51	15.41	16
20	QPSK	1	49	15.10	15.00	14.99	
20	QPSK	1	99	14.99	14.90	14.82	
20	QPSK	50	0	14.17	14.21	14.08	
20	QPSK	50	24	14.08	14.17	13.99	15
20	QPSK	50	50	14.01	14.09	13.88	
20	QPSK	100	0	13.91	13.97	13.84	
20	16QAM	1	0	14.11	14.25	14.10	
20	16QAM	1	49	13.99	14.23	14.05	15
20	16QAM	1	99	13.94	14.19	14.03	
20	16QAM	50	0	14.12	14.14	14.16	
20	16QAM	50	24	14.06	14.08	14.09	
20	16QAM	50	50	13.97	13.95	14.04	14.5
20	16QAM	100	0	13.94	13.91	13.97	
20	64QAM	1	0	13.92	14.17	14.12	
20	64QAM	1	49	13.82	14.11	14.06	
20	64QAM	1	99	13.77	14.00	13.96	14.5
20	64QAM	50	0	13.89	13.92	13.83	
20	64QAM	50	24	13.86	13.89	13.75	
20	64QAM	50	50	13.72	13.78	13.63	
20	64QAM	100	0	13.65	13.70	13.58	10.5
20	256QAM	1	0	9.87	9.98	9.92	
20	256QAM	1	49	9.85	9.90	9.86	
20	256QAM	1	99	9.88	9.82	9.76	
20	256QAM	50	0	9.46	9.53	9.50	10
20	256QAM	50	24	9.39	9.51	9.42	
20	256QAM	50	50	9.34	9.42	9.37	
20	256QAM	100	0	9.37	9.43	9.38	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	15.06	15.10	14.99	16
15	QPSK	1	37	14.99	14.89	14.88	
15	QPSK	1	74	14.88	14.79	14.71	
15	QPSK	36	0	14.06	14.10	13.97	
15	QPSK	36	20	13.97	14.06	13.88	15
15	QPSK	36	39	13.90	13.98	13.77	
15	QPSK	75	0	13.80	13.86	13.73	
15	16QAM	1	0	14.00	14.14	13.99	
15	16QAM	1	37	13.88	14.12	13.94	15
15	16QAM	1	74	13.83	14.08	13.92	
15	16QAM	36	0	14.01	14.03	14.05	
15	16QAM	36	20	13.95	13.97	13.98	
15	16QAM	36	39	13.86	13.84	13.93	14.5
15	16QAM	75	0	13.83	13.80	13.86	
15	64QAM	1	0	13.81	14.06	14.01	
15	64QAM	1	37	13.71	14.00	13.98	
15	64QAM	1	74	13.66	13.89	13.85	14.5
15	64QAM	36	0	13.78	13.81	13.72	
15	64QAM	36	20	13.75	13.78	13.64	
15	64QAM	36	39	13.61	13.67	13.52	
15	64QAM	75	0	13.54	13.59	13.47	10.5
15	256QAM	1	0	9.76	9.85	9.81	
15	256QAM	1	37	9.74	9.79	9.75	
15	256QAM	1	74	9.77	9.71	9.65	
15	256QAM	36	0	9.35	9.42	9.39	10
15	256QAM	36	20	9.28	9.40	9.31	
15	256QAM	36	39	9.23	9.31	9.26	
15	256QAM	75	0	9.26	9.32	9.27	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	14.96	15.00	14.89	24
10	QPSK	1	25	14.89	14.79	14.78	
10	QPSK	1	49	14.78	14.69	14.61	
10	QPSK	25	0	13.96	14.00	13.87	
10	QPSK	25	12	13.87	13.96	13.78	23
10	QPSK	25	25	13.80	13.88	13.67	
10	QPSK	50	0	13.70	13.76	13.63	
10	16QAM	1	0	13.90	14.04	13.89	
10	16QAM	1	25	13.78	14.02	13.84	23
10	16QAM	1	49	13.73	13.98	13.82	
10	16QAM	25	0	13.91	13.93	13.95	
10	16QAM	25	12	13.85	13.87	13.88	
10	16QAM	25	25	13.76	13.74	13.83	23
10	16QAM	50	0	13.73	13.70	13.76	
10	64QAM	1	0	13.71	13.96	13.91	
10	64QAM	1	25	13.61	13.90	13.88	
10	64QAM	1	49	13.56	13.79	13.75	23
10	64QAM	25	0	13.68	13.71	13.62	
10	64QAM	25	12	13.65	13.68	13.54	
10	64QAM	25	25	13.51	13.57	13.42	
10	64QAM	50	0	13.44	13.49	13.37	19
10	256QAM	1	0	9.66	9.75	9.71	
10	256QAM	1	25	9.64	9.69	9.65	
10	256QAM	1	49	9.67	9.61	9.55	
10	256QAM	25	0	9.25	9.32	9.29	18.5
10	256QAM	25	12	9.18	9.30	9.21	
10	256QAM	25	25	9.13	9.21	9.16	
10	256QAM	50	0	9.16	9.22	9.17	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	14.83	14.87	14.76	15.5
5	QPSK	1	12	14.76	14.66	14.65	
5	QPSK	1	24	14.65	14.56	14.48	
5	QPSK	12	0	13.83	13.87	13.74	
5	QPSK	12	7	13.74	13.83	13.65	14.5
5	QPSK	12	13	13.67	13.75	13.54	
5	QPSK	25	0	13.57	13.63	13.50	
5	16QAM	1	0	13.77	13.91	13.76	
5	16QAM	1	12	13.65	13.89	13.71	14.5

Band 4 (Reduced Power Level 2)							
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	14.57	14.64	14.59	15
20	QPSK	1	49	14.51	14.54	14.52	
20	QPSK	1	99	14.47	14.46	14.42	
20	QPSK	50	0	13.53	13.58	13.54	
20	QPSK	50	24	13.52	13.50	13.51	14
20	QPSK	50	50	13.47	13.44	13.41	
20	QPSK	100	0	13.39	13.41	13.37	
20	16QAM	1	0	13.50	13.55	13.46	
20	16QAM	1	49	13.40	13.54	13.37	14
20	16QAM	1	99	13.36	13.52	13.27	
20	16QAM	50	0	13.36	13.41	13.45	
20	16QAM	50	24	13.32	13.32	13.36	
20	16QAM	50	50	13.28	13.26	13.32	14
20	16QAM	100	0	13.22	13.24	13.29	
20	64QAM	1	0	13.57	13.38	13.59	
20	64QAM	1	49	13.55	13.37	13.57	
20	64QAM	1	99	13.49	13.33	13.53	13.5
20	64QAM	50	0	13.46	13.13	13.16	
20	64QAM	50	24	13.08	13.11	13.08	
20	64QAM	50	50	13.02	13.03	12.99	
20	64QAM	100	0	13.01	13.00	12.98	10
20	256QAM	1	0	9.28	9.33	9.29	
20	256QAM	1	49	9.25	9.27	9.20	
20	256QAM	1	99	9.23	9.23	9.18	
20	256QAM	50	0	8.80	8.83	8.74	9.5
20	256QAM	50	24	8.72	8.74	8.73	
20	256QAM	50	50	8.66	8.66	8.66	
20	256QAM	100	0	8.58	8.65	8.60	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	14.46	14.53	14.48	15
15	QPSK	1	37	14.40	14.43	14.41	
15	QPSK	1	74	14.36	14.35	14.31	
15	QPSK	36	0	13.42	13.47	13.43	
15	QPSK	36	20	13.41	13.39	13.40	14
15	QPSK	36	39	13.36	13.33	13.30	
15	QPSK	75	0	13.28	13.30	13.26	
15	16QAM	1	0	13.39	13.44	13.35	
15	16QAM	1	37	13.29	13.43	13.26	14
15	16QAM	1	74	13.25	13.41	13.16	
15	16QAM	36	0	13.25	13.30	13.34	
15	16QAM	36	20	13.21	13.21	13.25	
15	16QAM	36	39	13.17	13.15	13.21	14
15	16QAM	75	0	13.11	13.13	13.18	
15	64QAM	1	0	13.46	13.27	13.48	
15	64QAM	1	37	13.44	13.26	13.46	
15	64QAM	1	74	13.38	13.22	13.42	13.5
15	64QAM	36	0	13.35	13.02	13.05	
15	64QAM	36	20	12.97	13.00	12.97	
15	64QAM	36	39	12.91	12.92	12.88	
15	64QAM	75	0	12.90	12.89	12.87	10
15	256QAM	1	0	9.17	9.22	9.18	
15	256QAM	1	37	9.14	9.16	9.09	
15	256QAM	1	74	9.12	9.12	9.07	
15	256QAM	36	0	8.69	8.72	8.63	9.5

5	16QAM	1	24	13.60	13.85	13.69	14.5
5	16QAM	12	0	13.78	13.80	13.82	
5	16QAM	12	7	13.72	13.74	13.75	
5	16QAM	12	13	13.63	13.61	13.70	
5	16QAM	25	0	13.60	13.57	13.63	14.5
5	64QAM	1	0	13.58	13.83	13.78	
5	64QAM	1	12	13.48	13.77	13.75	
5	64QAM	1	24	13.43	13.66	13.62	
5	64QAM	12	0	13.55	13.58	13.49	14
5	64QAM	12	7	13.52	13.55	13.41	
5	64QAM	12	13	13.38	13.44	13.29	
5	64QAM	25	0	13.31	13.36	13.24	
5	256QAM	1	0	9.53	9.62	9.58	10
5	256QAM	1	12	9.51	9.56	9.52	
5	256QAM	1	24	9.54	9.48	9.42	
5	256QAM	12	0	9.12	9.19	9.16	
5	256QAM	12	7	9.05	9.17	9.08	9.5
5	256QAM	12	13	9.00	9.08	9.03	
5	256QAM	25	0	9.03	9.09	9.04	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	14.72	14.76	14.65	15.5
3	QPSK	1	8	14.65	14.55	14.54	
3	QPSK	1	14	14.54	14.45	14.37	
3	QPSK	8	0	13.72	13.76	13.63	
3	QPSK	8	4	13.63	13.72	13.54	14.5
3	QPSK	8	7	13.56	13.64	13.43	
3	QPSK	15	0	13.46	13.52	13.39	
3	16QAM	1	0	13.66	13.80	13.65	
3	16QAM	1	8	13.54	13.78	13.60	14.5
3	16QAM	1	14	13.49	13.74	13.58	
3	16QAM	8	0	13.67	13.69	13.71	
3	16QAM	8	4	13.61	13.63	13.64	
3	16QAM	8	7	13.52	13.50	13.59	14.5
3	16QAM	15	0	13.49	13.46	13.52	
3	64QAM	1	0	13.47	13.72	13.67	
3	64QAM	1	8	13.37	13.66	13.64	
3	64QAM	1	14	13.32	13.55	13.51	14
3	64QAM	8	0	13.44	13.47	13.38	
3	64QAM	8	4	13.41	13.44	13.30	
3	64QAM	8	7	13.27	13.33	13.18	
3	64QAM	15	0	13.20	13.25	13.13	10
3	256QAM	1	0	9.42	9.51	9.47	
3	256QAM	1	8	9.40	9.45	9.41	
3	256QAM	1	14	9.43	9.37	9.31	
3	256QAM	8	0	9.01	9.08	9.05	9.5
3	256QAM	8	4	8.94	9.06	8.97	
3	256QAM	8	7	8.89	8.97	8.92	
3	256QAM	15	0	8.92	8.98	8.93	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	14.60	14.64	14.53	15
1.4	QPSK	1	3	14.53	14.43	14.42	
1.4	QPSK	1	5	14.42	14.33	14.25	
1.4	QPSK	3	0	13.60	13.64	13.51	
1.4	QPSK	3	1	13.51	13.60	13.42	14
1.4	QPSK	3	3	13.44	13.52	13.31	
1.4	QPSK	6	0	13.34	13.40	13.27	
1.4	16QAM	1	0	13.54	13.68	13.53	
1.4	16QAM	1	3	13.42	13.66	13.48	14
1.4	16QAM	1	5	13.37	13.62	13.46	
1.4	16QAM	3	0	13.55	13.57	13.59	
1.4	16QAM	3	1	13.49	13.51	13.52	
1.4	16QAM	3	3	13.40	13.38	13.47	14
1.4	16QAM	6	0	13.37	13.34	13.40	
1.4	64QAM	1	0	13.35	13.60	13.55	
1.4	64QAM	1	3	13.25	13.54	13.52	
1.4	64QAM	1	5	13.20	13.43	13.39	14
1.4	64QAM	3	0	13.32	13.35	13.26	
1.4	64QAM	3	1	13.29	13.32	13.18	
1.4	64QAM	3	3	13.15	13.21	13.06	
1.4	64QAM	6	0	13.08	13.13	13.01	13.5
1.4	256QAM	1	0	9.30	9.39	9.35	
1.4	256QAM	1	3	9.28	9.33	9.29	
1.4	256QAM	1	5	9.31	9.25	9.19	
1.4	256QAM	3	0	8.89	8.96	8.93	10
1.4	256QAM	3	1	8.82	8.94	8.85	
1.4	256QAM	3	3	8.77	8.85	8.80	
1.4	256QAM	6	0	8.80	8.86	8.81	
							9.5

5	16QAM	1	24	13.01	13.17	12.92	14
5	16QAM	12	0	13.01	13.06	13.10	
5	16QAM	12	7	12.97	12.97	13.01	
5	16QAM	12	13	12.93	12.91	12.97	
5	16QAM	25	0	12.87	12.89	12.94	14
5	64QAM	1	0	13.22	13.03	13.24	
5	64QAM	1	12	13.20	13.02	13.22	
5	64QAM	1	24	13.14	12.98	13.18	
5	64QAM	12	0	13.11	12.78	12.81	13.5
5	64QAM	12	7	12.73	12.76	12.73	
5	64QAM	12	13	12.67	12.68	12.64	
5	64QAM	25	0	12.66	12.65	12.63	
5	256QAM	1	0	8.93	8.98	8.94	9.5
5	256QAM	1	12	8.90	8.92	8.85	
5	256QAM	1	24	8.88	8.88	8.83	
5	256QAM	12	0	8.45	8.48	8.39	
5	256QAM	12	7	8.37	8.39	8.38	9
5	256QAM	12	13	8.31	8.31	8.31	
5	256QAM	25	0	8.23	8.30	8.25	
Channel				19665	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	14.10	14.17	14.12	15
3	QPSK	1	8	14.04	14.07	14.05	
3	QPSK	1	14	14.00	13.99	13.95	
3	QPSK	8	0	13.06	13.11	13.07	
3	QPSK	8	4	13.05	13.03	13.04	13.5
3	QPSK	8	7	13.00	12.97	12.94	
3	QPSK	15	0	12.92	12.94	12.90	
3	16QAM	1	0	13.03	13.08	12.99	
3	16QAM	1	8	12.93	13.07	12.90	13.5
3	16QAM	1	14	12.89	13.05	12.80	
3	16QAM	8	0	12.89	12.94	12.98	
3	16QAM	8	4	12.85	12.85	12.89	
3	16QAM	8	7	12.81	12.79	12.85	13.5
3	16QAM	15	0	12.75	12.77	12.82	
3	64QAM	1	0	13.10	12.91	13.12	
3	64QAM	1	8	13.08	12.90	13.10	
3	64QAM	1	14	13.02	12.86	13.06	13
3	64QAM	8	0	12.99	12.66	12.69	
3	64QAM	8	4	12.61	12.64	12.61	
3	64QAM	8	7	12.55	12.56	12.52	
3	64QAM	15	0	12.54	12.53	12.51	9.5
3	256QAM	1	0	8.81	8.86	8.82	
3	256QAM	1	8	8.78	8.80	8.73	
3	256QAM	1	14	8.76	8.76	8.71	
3	256QAM	8	0	8.33	8.36	8.27	9
3	256QAM	8	4	8.25	8.27	8.26	
3	256QAM	8	7	8.19	8.19	8.19	
3	256QAM	15	0	8.11	8.18	8.13	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	13.98	14.05	14.00	14.5
1.4	QPSK	1	3	13.92	13.95	13.93	
1.4	QPSK	1	5	13.88	13.87	13.83	
1.4	QPSK	3	0	12.94	12.99	12.95	
1.4	QPSK	3	1	12.93	12.91	12.92	13.5
1.4	QPSK	3	3	12.88	12.85	12.82	
1.4	QPSK	6	0	12.80	12.82	12.78	
1.4	16QAM	1	0	12.91	12.96	12.87	
1.4	16QAM	1	3	12.81	12.95	12.78	13.5
1.4	16QAM	1	5	12.77	12.93	12.68	
1.4	16QAM	3	0	12.77	12.82	12.86	
1.4	16QAM	3	1	12.73	12.73	12.77	
1.4	16QAM	3	3	12.69	12.67	12.73	13.5
1.4	16QAM	6	0	12.63	12.65	12.70	
1.4	64QAM	1	0	12.98	12.79	13.00	
1.4	64QAM	1	3	12.96	12.78	12.98	
1.4	64QAM	1	5	12.90	12.74	12.94	13.5
1.4	64QAM	3	0	12.87	12.54	12.57	
1.4	64QAM	3	1	12.49	12.52	12.49	
1.4	64QAM	3	3	12.43	12.44	12.40	
1.4	64QAM	6	0	12.42	12.41	12.39	13
1.4	256QAM	1	0	8.69	8.74	8.70	
1.4	256QAM	1	3	8.66	8.68	8.61	
1.4	256QAM	1	5	8.64	8.64	8.59	
1.4	256QAM	3	0	8.21	8.24	8.15	9.5
1.4	256QAM	3	1	8.13	8.15	8.14	
1.4	256QAM	3	3	8.07	8.07	8.07	
1.4	256QAM	6	0	7.99	8.06	8.01	
							8.5

Band 5 (Reduced Power Level 2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844			
10	QPSK	1	0	18.09	18.16	18.12	19		
10	QPSK	1	25	18.01	18.09	18.04			
10	QPSK	1	49	17.98	18.05	18.01			
10	QPSK	25	0	17.07	17.09	17.05	18		
10	QPSK	25	12	16.99	16.99	17.02			
10	QPSK	25	25	16.90	16.94	16.99			
10	QPSK	50	0	16.82	16.83	16.97	17		
10	16QAM	1	0	16.67	16.73	16.65			
10	16QAM	1	25	16.63	16.67	16.58			
10	16QAM	1	49	16.60	16.64	16.57	17		
10	16QAM	25	0	16.49	16.45	16.41			
10	16QAM	25	12	16.47	16.38	16.35			
10	16QAM	25	25	16.37	16.31	16.32	17		
10	16QAM	50	0	16.30	16.27	16.27			
10	64QAM	1	0	16.53	16.62	16.63			
10	64QAM	1	25	16.50	16.58	16.58	17		
10	64QAM	1	49	16.42	16.54	16.54			
10	64QAM	25	0	16.35	16.28	16.37			
10	64QAM	25	12	16.26	16.16	16.26	17		
10	64QAM	25	25	16.22	16.11	16.18			
10	64QAM	50	0	16.16	16.00	16.11			
10	256QAM	1	0	12.67	12.72	12.65	13		
10	256QAM	1	25	12.62	12.63	12.62			
10	256QAM	1	49	12.59	12.55	12.60			
10	256QAM	25	0	11.81	11.93	11.77	12.5		
10	256QAM	25	12	11.75	11.88	11.69			
10	256QAM	25	25	11.70	11.78	11.60			
10	256QAM	50	0	11.67	11.76	11.51			
Channel				20425	20525	20625			
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)		
5	QPSK	1	0	17.96	18.05	17.99	18.5		
5	QPSK	1	12	17.88	17.96	17.91			
5	QPSK	1	24	17.85	17.92	17.88			
5	QPSK	12	0	16.94	16.96	16.92	17.5		
5	QPSK	12	7	16.86	16.86	16.89			
5	QPSK	12	13	16.77	16.81	16.86			
5	QPSK	25	0	16.69	16.70	16.84	17		
5	16QAM	1	0	16.54	16.60	16.52			
5	16QAM	1	12	16.50	16.54	16.45			
5	16QAM	1	24	16.47	16.51	16.44	17		
5	16QAM	12	0	16.36	16.32	16.28			
5	16QAM	12	7	16.34	16.25	16.22			
5	16QAM	12	13	16.24	16.18	16.19	17		
5	16QAM	25	0	16.17	16.14	16.14			
5	64QAM	1	0	16.40	16.49	16.50			
5	64QAM	1	12	16.37	16.45	16.45	17		
5	64QAM	1	24	16.29	16.41	16.41			
5	64QAM	12	0	16.22	16.15	16.24			
5	64QAM	12	7	16.13	16.03	16.13	17		
5	64QAM	12	13	16.09	15.98	16.05			
5	64QAM	25	0	16.03	15.87	15.98			
5	256QAM	1	0	12.54	12.59	12.52	13		
5	256QAM	1	12	12.49	12.50	12.49			
5	256QAM	1	24	12.46	12.42	12.47			
5	256QAM	12	0	11.68	11.80	11.64	12		
5	256QAM	12	7	11.62	11.75	11.56			
5	256QAM	12	13	11.57	11.65	11.47			
5	256QAM	25	0	11.54	11.63	11.38			
Channel				20415	20525	20635			
Frequency (MHz)				825.5	836.5	847.5	Tune-up limit (dBm)		
3	QPSK	1	0	17.85	17.94	17.88	18.5		
3	QPSK	1	8	17.77	17.85	17.80			
3	QPSK	1	14	17.74	17.81	17.77			
3	QPSK	8	0	16.83	16.85	16.81	17.5		
3	QPSK	8	4	16.75	16.75	16.78			
3	QPSK	8	7	16.66	16.70	16.75			
3	QPSK	15	0	16.58	16.59	16.73	17		
3	16QAM	1	0	16.43	16.49	16.41			
3	16QAM	1	8	16.39	16.43	16.34			
3	16QAM	1	14	16.36	16.40	16.33	17		
3	16QAM	8	0	16.25	16.21	16.17			
3	16QAM	8	4	16.23	16.14	16.11			
3	16QAM	8	7	16.13	16.07	16.08	17		
3	16QAM	15	0	16.06	16.03	16.03			
3	64QAM	1	0	16.29	16.38	16.39			
3	64QAM	1	8	16.26	16.34	16.34	17		
3	64QAM	1	14	16.18	16.30	16.30			
3	64QAM	8	0	16.11	16.04	16.13			
3	64QAM	8	4	16.02	15.92	16.02	17		
3	64QAM	8	7	15.98	15.87	15.94			
3	64QAM	15	0	15.92	15.76	15.87			
3	256QAM	1	0	12.43	12.48	12.41	13		
3	256QAM	1	8	12.38	12.39	12.38			
3	256QAM	1	14	12.35	12.31	12.38			
3	256QAM	8	0	11.57	11.69	11.53	12		
3	256QAM	8	4	11.51	11.64	11.45			
3	256QAM	8	7	11.46	11.54	11.36			
3	256QAM	15	0	11.43	11.52	11.27			
Channel				20407	20525	20643			
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)		
1.4	QPSK	1	0	17.73	17.82	17.76	18.5		
1.4	QPSK	1	3	17.65	17.73	17.68			
1.4	QPSK	1	5	17.62	17.69	17.65			
1.4	QPSK	3	0	16.71	16.73	16.69			
1.4	QPSK	3	1	16.63	16.63	16.66			
1.4	QPSK	3	3	16.54	16.58	16.63			
1.4	QPSK	6	0	16.46	16.47	16.61	17		
1.4	16QAM	1	0	16.31	16.37	16.29			
1.4	16QAM	1	3	16.27	16.31	16.22			

Band 12 (Reduced Power Level 2)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.97	24.08	24.00	24.5		
10	QPSK	1	25	23.88	24.02	23.94			
10	QPSK	1	49	23.84	24.00	23.89			
10	QPSK	25	0	22.84	22.91	22.86	23.5		
10	QPSK	25	12	22.81	22.80	22.84			
10	QPSK	25	25	22.70	22.76	22.77			
10	QPSK	50	0	22.66	22.74	22.75	23.5		
10	16QAM	1	0	22.81	22.92	22.90			
10	16QAM	1	25	22.78	22.83	22.81			
10	16QAM	1	49	22.69	22.73	22.77	23.5		
10	16QAM	25	0	22.52	22.62	22.56			
10	16QAM	25	12	22.43	22.51	22.54			
10	16QAM	25	25	22.32	22.48	22.49	23.5		
10	16QAM	50	0	22.29	22.39	22.38			
10	64QAM	1	0	22.88	22.66	22.60			
10	64QAM	1	25	22.80	22.64	22.56	23.5		
10	64QAM	1	49	22.77	22.60	22.47			
10	64QAM	25	0	22.41	22.44	22.38			
10	64QAM	25	12	22.33	22.33	22.32	23.5		
10	64QAM	25	25	22.26	22.23	22.26			
10	64QAM	50	0	22.24	22.13	22.17			

1.4	16QAM	1	5	16.24	16.28	16.21	17
1.4	16QAM	3	0	16.13	16.09	16.05	
1.4	16QAM	3	1	16.11	16.02	15.99	
1.4	16QAM	3	3	16.01	15.95	15.96	
1.4	16QAM	6	0	15.94	15.91	15.91	16.5
1.4	64QAM	1	0	16.17	16.26	16.27	17
1.4	64QAM	1	3	16.14	16.22	16.22	
1.4	64QAM	1	5	16.06	16.18	16.18	
1.4	64QAM	3	0	15.99	15.92	16.01	
1.4	64QAM	3	1	15.90	15.80	15.90	
1.4	64QAM	3	3	15.86	15.75	15.82	
1.4	64QAM	6	0	15.80	15.64	15.75	16.5
1.4	256QAM	1	0	12.31	12.36	12.29	13
1.4	256QAM	1	3	12.26	12.27	12.26	
1.4	256QAM	1	5	12.23	12.19	12.24	
1.4	256QAM	3	0	11.45	11.57	11.41	
1.4	256QAM	3	1	11.39	11.52	11.33	
1.4	256QAM	3	3	11.34	11.42	11.24	12
1.4	256QAM	6	0	11.31	11.40	11.15	

1.4	16QAM	1	5	22.54	22.58	22.62	23.5
1.4	16QAM	3	0	22.37	22.47	22.41	
1.4	16QAM	3	1	22.28	22.36	22.39	
1.4	16QAM	3	3	22.17	22.33	22.34	
1.4	16QAM	6	0	22.14	22.24	22.23	23.5
1.4	64QAM	1	0	22.73	22.51	22.45	23.5
1.4	64QAM	1	3	22.65	22.49	22.41	
1.4	64QAM	1	5	22.62	22.45	22.32	
1.4	64QAM	3	0	22.26	22.29	22.23	
1.4	64QAM	3	1	22.18	22.18	22.17	
1.4	64QAM	3	3	22.11	22.08	22.11	
1.4	64QAM	6	0	22.09	21.98	22.02	23
1.4	256QAM	1	0	18.59	18.68	18.63	19.5
1.4	256QAM	1	3	18.53	18.61	18.59	
1.4	256QAM	1	5	18.50	18.54	18.54	
1.4	256QAM	3	0	17.75	17.81	17.71	
1.4	256QAM	3	1	17.73	17.73	17.61	
1.4	256QAM	3	3	17.69	17.69	17.52	18
1.4	256QAM	6	0	17.62	17.63	17.44	

Band 13 (Reduced Power Level 2)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0	24.11			24.5
10	QPSK	1	25	24.01			
10	QPSK	1	49	23.90			
10	QPSK	25	0	23.08			
10	QPSK	25	12	22.97			23.5
10	QPSK	25	25	22.93			
10	QPSK	50	0	22.82			
10	16QAM	1	0	22.82			
10	16QAM	1	25	22.79			23.5
10	16QAM	1	49	22.77			
10	16QAM	25	0	22.35			
10	16QAM	25	12	22.28			
10	16QAM	25	25	22.21			23.5
10	16QAM	50	0	22.13			
10	64QAM	1	0	22.77			
10	64QAM	1	25	22.71			
10	64QAM	1	49	22.67			23.5
10	64QAM	25	0	22.43			
10	64QAM	25	12	22.40			
10	64QAM	25	25	22.33			
10	64QAM	50	0	22.28			23.5
10	256QAM	1	0	18.71			
10	256QAM	1	25	18.66			
10	256QAM	1	49	18.63			
10	256QAM	25	0	17.94			18.5
10	256QAM	25	12	17.85			
10	256QAM	25	25	17.76			
10	256QAM	50	0	17.66			
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.92	24.07	24.01	24.5
5	QPSK	1	12	23.85	23.97	23.91	
5	QPSK	1	24	23.70	23.83	23.76	
5	QPSK	12	0	22.91	23.03	22.90	
5	QPSK	12	7	22.77	22.91	22.84	23.5
5	QPSK	12	13	22.75	22.89	22.84	
5	QPSK	25	0	22.62	22.76	22.68	
5	16QAM	1	0	22.64	22.77	22.71	
5	16QAM	1	12	22.62	22.75	22.66	23.5
5	16QAM	1	24	22.54	22.71	22.63	
5	16QAM	12	0	22.16	22.31	22.24	
5	16QAM	12	7	22.14	22.21	22.21	
5	16QAM	12	13	22.03	22.15	22.10	23.5
5	16QAM	25	0	21.95	22.08	21.99	
5	64QAM	1	0	22.67	22.73	22.65	
5	64QAM	1	12	22.49	22.67	22.55	
5	64QAM	1	24	22.51	22.61	22.56	23.5
5	64QAM	12	0	22.27	22.38	22.31	
5	64QAM	12	7	22.22	22.36	22.27	
5	64QAM	12	13	22.17	22.27	22.20	
5	64QAM	25	0	22.08	22.23	22.15	19
5	256QAM	1	0	18.53	18.67	18.59	
5	256QAM	1	12	18.48	18.61	18.57	
5	256QAM	1	24	18.46	18.57	18.52	
5	256QAM	12	0	17.72	17.90	17.83	19
5	256QAM	12	7	17.65	17.79	17.73	
5	256QAM	12	13	17.59	17.73	17.68	
5	256QAM	25	0	17.55	17.61	17.53	

Band 66 (Reduced Power Level 2)											
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	14.61	14.69	14.55	14	14	14		
20	QPSK	1	49	14.52	14.60	14.50					
20	QPSK	1	99	14.44	14.53	14.44					
20	QPSK	50	0	13.51	13.66	13.53	14	14	14		
20	QPSK	50	24	13.45	13.56	13.49					
20	QPSK	50	50	13.41	13.50	13.40					
20	QPSK	100	0	13.36	13.41	13.39	14	14	14		
20	16QAM	1	0	13.60	13.64	13.62					
20	16QAM	1	49	13.53	13.61	13.54					
20	16QAM	1	99	13.44	13.55	13.44	14	14	14		
20	16QAM	50	0	13.41	13.43	13.41					
20	16QAM	50	24	13.38	13.42	13.37					
20	16QAM	50	50	13.30	13.34	13.28	14	14	14		
20	16QAM	100	0	13.24	13.25	13.20					
20	64QAM	1	0	13.40	13.55	13.48					
20	64QAM	1	49	13.37	13.54	13.45	14	14	14		
20	64QAM	1	99	13.30	13.52	13.39					
20	64QAM	50	0	13.33	13.37	13.41					
20	64QAM	50	24	13.31	13.32	13.38	14	14	14		
20	64QAM	50	50	13.26	13.26	13.35					
20	64QAM	100	0	13.16	13.24	13.31					
20	256QAM	1	0	9.23	9.33	9.29	10	10	10		
20	256QAM	1	49	9.21	9.30	9.19					
20	256QAM	1	99	9.11	9.29	9.08					
20	256QAM	50	0	8.74	8.85	8.80	9.5	9.5	9.5		
20	256QAM	50	24	8.72	8.81	8.73					
20	256QAM	50	50	8.69	8.71	8.71					
20	256QAM	100	0	8.65	8.62	8.67	Tune-up limit (dBm)				
Channel				132047	132322	132597	15				
Frequency (MHz)				1717.5	1745	1772.5					
15	QPSK	1	0	14.48	14.56	14.42	14	14	14		
15	QPSK	1	37	14.39	14.47	14.37					
15	QPSK	1	74	14.31	14.40	14.31					
15	QPSK	36	0	13.43	13.53	13.40	14	14	14		
15	QPSK	36	20	13.32	13.43	13.36					
15	QPSK	36	39	13.28	13.37	13.27					
15	QPSK	75	0	13.23	13.28	13.26	14	14	14		
15	16QAM	1	0	13.47	13.51	13.49					
15	16QAM	1	37	13.40	13.48	13.41					
15	16QAM	1	74	13.31	13.42	13.31	14	14	14		
15	16QAM	36	0	13.28	13.30	13.28					
15	16QAM	36	20	13.25	13.29	13.24					
15	16QAM	36	39	13.17	13.21	13.15	14	14	14		
15	16QAM	75	0	13.11	13.12	13.07					
15	64QAM	1	0	13.27	13.42	13.35					
15	64QAM	1	37	13.24	13.41	13.32	14	14	14		
15	64QAM	1	74	13.17	13.39	13.26					
15	64QAM	36	0	13.20	13.24	13.28					
15	64QAM	36	20	13.18	13.19	13.25	14	14	14		
15	64QAM	36	39	13.13	13.13	13.22					
15	64QAM	75	0	13.03	13.11	13.18					
15	256QAM	1	0	9.10	9.20	9.16	10	10	10		
15	256QAM	1	37	9.08	9.17	9.06					
15	256QAM	1	74	8.98	9.16	8.95					
15	256QAM	36	0	8.61	8.72	8.67	9.5	9.5	9.5		
15	256QAM	36	20	8.59	8.68	8.60					
15	256QAM	36	39	8.56	8.58	8.58					
15	256QAM	75	0	8.52	8.49	8.54	Tune-up limit (dBm)				
Channel				132022	132322	132622	15				
Frequency (MHz)				1715	1745	1775					
10	QPSK	1	0	14.36	14.44	14.30	14	14	14		
10	QPSK	1	25	14.27	14.35	14.25					
10	QPSK	1	49	14.19	14.28	14.19					
10	QPSK	25	0	13.31	13.41	13.28	14	14	14		
10	QPSK	25	12	13.20	13.31	13.24					
10	QPSK	25	25	13.16	13.25	13.15					
10	QPSK	50	0	13.11	13.16	13.14	14	14	14		
10	16QAM	1	0	13.35	13.39	13.37					
10	16QAM	1	25	13.28	13.36	13.29					
10	16QAM	1	49	13.19	13.30	13.19	13.5	13.5	13.5		
10	16QAM	25	0	13.16	13.18	13.16					
10	16QAM	25	12	13.13	13.17	13.12					
10	16QAM	25	25	13.05	13.09	13.03	14	14	14		
10	16QAM	50	0	12.99	13.00	12.95					
10	64QAM	1	0	13.15	13.30	13.23					
10	64QAM	1	25	13.12	13.29	13.20	13.5	13.5	13.5		
10	64QAM	1	49	13.05	13.27	13.14					
10	64QAM	25	0	13.08	13.12	13.16					
10	64QAM	25	12	13.06	13.07	13.13	9.5	9.5	9.5		
10	64QAM	25	25	13.01	13.01	13.10					
10	64QAM	50	0	12.91	12.99	13.06					
10	256QAM	1	0	8.98	9.08	9.04	9			9	9
10	256QAM	1	25	8.96	9.05	8.94					
10	256QAM	1	49	8.86	9.04	8.83					
10	256QAM	25	0	8.49	8.60	8.55	14	14	14		
10	256QAM	25	12	8.47	8.56	8.48					
10	256QAM	25	25	8.44	8.46	8.46					
10	256QAM	50	0	8.40	8.37	8.42	Tune-up limit (dBm)				
Channel				131997	132322	132647	15				
Frequency (MHz)				1712.5	1745	1777.5					
5	QPSK	1	0	14.24	14.32	14.18	14	14	14		
5	QPSK	1	12	14.15	14.23	14.13					
5	QPSK	1	24	14.07	14.16	14.07					
5	QPSK	12	0	13.19	13.29	13.16	14	14	14		
5	QPSK	12	7	13.08	13.19	13.12					
5	QPSK	12	13	13.04	13.13	13.03					
5	QPSK	25	0	12.99	13.04	13.02	14	14	14		
5	16QAM	1	0	13.23	13.27	13.25					
5	16QAM	1	12	13.16	13.24	13.17					

5	16QAM	1	24	13.07	13.18	13.07	13.5
5	16QAM	12	0	13.04	13.06	13.04	
5	16QAM	12	7	13.01	13.05	13.00	
5	16QAM	12	13	12.93	12.97	12.91	
5	16QAM	25	0	12.87	12.88	12.83	
5	64QAM	1	0	13.03	13.18	13.11	14
5	64QAM	1	12	13.00	13.17	13.08	
5	64QAM	1	24	12.93	13.15	13.02	
5	64QAM	12	0	12.96	13.00	13.04	13.5
5	64QAM	12	7	12.94	12.95	13.01	
5	64QAM	12	13	12.89	12.89	12.98	
5	64QAM	25	0	12.79	12.87	12.94	
5	256QAM	1	0	8.86	8.96	8.92	
5	256QAM	1	12	8.84	8.93	8.82	9.5
5	256QAM	1	24	8.74	8.92	8.71	
5	256QAM	12	0	8.37	8.48	8.43	
5	256QAM	12	7	8.35	8.44	8.36	9
5	256QAM	12	13	8.32	8.34	8.34	
5	256QAM	25	0	8.28	8.25	8.30	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	14.13	14.21	14.07	14.5
3	QPSK	1	8	14.04	14.12	14.02	
3	QPSK	1	14	13.96	14.05	13.96	
3	QPSK	8	0	13.08	13.18	13.05	13.5
3	QPSK	8	4	12.97	13.08	13.01	
3	QPSK	8	7	12.93	13.02	12.92	
3	QPSK	15	0	12.88	12.93	12.91	
3	16QAM	1	0	13.12	13.16	13.14	
3	16QAM	1	8	13.05	13.13	13.06	13.5
3	16QAM	1	14	12.96	13.07	12.96	
3	16QAM	8	0	12.93	12.95	12.93	
3	16QAM	8	4	12.90	12.94	12.89	
3	16QAM	8	7	12.82	12.86	12.80	
3	16QAM	15	0	12.76	12.77	12.72	13.5
3	64QAM	1	0	12.92	13.07	13.00	
3	64QAM	1	8	12.89	13.06	12.97	
3	64QAM	1	14	12.82	13.04	12.91	
3	64QAM	8	0	12.85	12.89	12.93	
3	64QAM	8	4	12.83	12.84	12.90	13.5
3	64QAM	8	7	12.78	12.78	12.87	
3	64QAM	15	0	12.68	12.76	12.83	
3	256QAM	1	0	8.75	8.85	8.81	
3	256QAM	1	8	8.73	8.82	8.71	
3	256QAM	1	14	8.63	8.81	8.60	9
3	256QAM	8	0	8.26	8.37	8.32	
3	256QAM	8	4	8.24	8.33	8.25	
3	256QAM	8	7	8.21	8.23	8.23	
3	256QAM	15	0	8.17	8.14	8.19	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	14.02	14.10	13.96	14.5
1.4	QPSK	1	3	13.93	14.01	13.91	
1.4	QPSK	1	5	13.85	13.94	13.85	
1.4	QPSK	3	0	12.97	13.07	12.94	
1.4	QPSK	3	1	12.86	12.97	12.90	
1.4	QPSK	3	3	12.82	12.91	12.81	
1.4	QPSK	6	0	12.77	12.82	12.80	13.5
1.4	16QAM	1	0	13.01	13.05	13.03	13.5
1.4	16QAM	1	3	12.94	13.02	12.95	
1.4	16QAM	1	5	12.85	12.96	12.85	
1.4	16QAM	3	0	12.82	12.84	12.82	
1.4	16QAM	3	1	12.79	12.83	12.78	
1.4	16QAM	3	3	12.71	12.75	12.69	
1.4	16QAM	6	0	12.65	12.66	12.61	
1.4	64QAM	1	0	12.81	12.96	12.89	13
1.4	64QAM	1	3	12.78	12.95	12.86	
1.4	64QAM	1	5	12.71	12.93	12.80	
1.4	64QAM	3	0	12.74	12.78	12.82	
1.4	64QAM	3	1	12.72	12.73	12.79	
1.4	64QAM	3	3	12.67	12.67	12.76	
1.4	64QAM	6	0	12.57	12.65	12.72	13.5
1.4	256QAM	1	0	8.64	8.74	8.70	9.5
1.4	256QAM	1	3	8.62	8.71	8.60	
1.4	256QAM	1	5	8.52	8.70	8.49	
1.4	256QAM	3	0	8.15	8.26	8.21	
1.4	256QAM	3	1	8.13	8.22	8.14	
1.4	256QAM	3	3	8.10	8.12	8.12	
1.4	256QAM	6	0	8.06	8.03	8.08	8.5

Band 48 (Reduced Power Level 2)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle-Low Channel	Middle-Low Channel	Middle-High Channel	High Channel	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	8.01	7.97	8.11	8.04	8.01	8.5
20	QPSK	1	49	7.83	7.85	7.91	7.86	7.78	
20	QPSK	1	99	7.80	7.76	7.70	7.88	7.89	
20	QPSK	50	0	6.90	6.91	7.01	6.96	6.89	7.5
20	QPSK	50	24	6.80	6.85	6.85	6.86	6.87	
20	QPSK	50	50	6.86	6.82	6.96	6.76	6.83	
20	QPSK	100	0	6.83	6.86	6.82	6.91	6.73	
20	16QAM	1	0	7.01	6.89	6.91	6.81	6.96	7.5
20	16QAM	1	49	6.88	6.76	6.76	6.96	6.87	
20	16QAM	1	99	6.90	6.91	6.80	6.77	6.79	
20	16QAM	50	0	6.85	6.89	6.83	6.70	6.60	7.5
20	16QAM	50	24	6.79	6.80	6.75	6.68	6.63	
20	16QAM	50	50	6.71	6.73	6.88	6.87	6.76	
20	16QAM	100	0	6.82	6.91	6.93	6.88	6.73	
20	64QAM	1	0	7.10	7.05	6.98	7.05	6.91	7.5
20	64QAM	1	49	7.07	6.94	7.15	6.91	6.90	
20	64QAM	1	99	7.00	7.20	7.09	7.00	6.88	
20	64QAM	50	0	6.04	6.16	6.32	6.20	6.14	6.5
20	64QAM	50	24	6.06	5.88	5.92	5.92	6.24	
20	64QAM	50	50	6.12	6.03	5.90	5.76	6.03	
20	64QAM	100	0	5.92	5.82	6.03	6.04	5.91	
20	64QAM	1	0	2.25	2.03	2.02	2.11	2.32	3
20	64QAM	1	49	2.06	1.91	2.10	2.38	2.00	
20	64QAM	1	99	1.96	2.25	2.12	2.21	2.12	
20	64QAM	50	0	1.91	1.81	1.91	2.06	1.91	2.5
20	64QAM	50	24	1.85	1.90	1.82	1.72	1.81	
20	64QAM	50	50	1.81	1.79	1.96	1.58	1.91	
20	64QAM	100	0	1.59	1.72	1.65	1.70	2.00	
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	7.90	7.86	8.00	7.93	7.90	8.5
15	QPSK	1	37	7.72	7.74	7.80	7.75	7.67	
15	QPSK	1	74	7.69	7.65	7.59	7.77	7.78	
15	QPSK	36	0	6.79	6.80	6.90	6.85	6.78	7.5
15	QPSK	36	20	6.69	6.74	6.74	6.75	6.76	
15	QPSK	36	39	6.75	6.71	6.85	6.65	6.72	
15	QPSK	75	0	6.72	6.75	6.71	6.80	6.62	
15	16QAM	1	0	6.90	6.78	6.80	6.70	6.85	7.5
15	16QAM	1	37	6.77	6.65	6.65	6.85	6.76	
15	16QAM	1	74	6.79	6.80	6.69	6.66	6.68	
15	16QAM	36	0	6.74	6.78	6.72	6.59	6.49	7.5
15	16QAM	36	20	6.68	6.69	6.64	6.57	6.52	
15	16QAM	36	39	6.60	6.62	6.77	6.76	6.65	
15	16QAM	75	0	6.71	6.80	6.82	6.77	6.62	
15	64QAM	1	0	6.99	6.94	6.87	6.94	6.80	7.5
15	64QAM	1	37	6.96	6.83	7.04	6.80	6.79	
15	64QAM	1	74	6.89	7.09	6.98	6.89	6.77	
15	64QAM	36	0	5.93	6.05	6.21	6.09	6.03	6.5
15	64QAM	36	20	5.95	5.77	5.81	5.81	6.13	
15	64QAM	36	39	6.01	5.92	5.79	5.65	5.92	
15	64QAM	75	0	5.81	5.71	5.92	5.93	5.80	
15	256QAM	1	0	2.14	1.92	1.91	2.00	2.21	3
15	256QAM	1	37	1.95	1.80	1.99	2.27	1.89	
15	256QAM	1	74	1.85	2.14	2.01	2.10	2.01	
15	256QAM	36	0	1.80	1.70	1.80	1.95	1.80	2.5
15	256QAM	36	20	1.74	1.79	1.71	1.61	1.70	
15	256QAM	36	39	1.70	1.68	1.85	1.47	1.80	
15	256QAM	75	0	1.48	1.61	1.54	1.59	1.89	

Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	7.80	7.76	7.90	7.83	7.80	8.5
10	QPSK	1	25	7.62	7.64	7.70	7.65	7.57	
10	QPSK	1	49	7.59	7.55	7.53	7.67	7.68	
10	QPSK	25	0	6.69	6.70	6.80	6.75	6.72	7.5
10	QPSK	25	12	6.59	6.64	6.64	6.65	6.66	
10	QPSK	25	25	6.65	6.61	6.75	6.55	6.62	
10	QPSK	50	0	6.62	6.65	6.61	6.70	6.52	
10	16QAM	1	0	6.80	6.68	6.70	6.60	6.75	7.5
10	16QAM	1	25	6.67	6.55	6.55	6.75	6.66	
10	16QAM	1	49	6.69	6.70	6.59	6.56	6.58	
10	16QAM	25	0	6.64	6.68	6.62	6.49	6.39	7.5
10	16QAM	25	12	6.58	6.59	6.54	6.47	6.42	
10	16QAM	25	25	6.50	6.52	6.67	6.66	6.55	
10	16QAM	50	0	6.61	6.70	6.72	6.67	6.52	
10	64QAM	1	0	6.89	6.84	6.77	6.84	6.70	7.5
10	64QAM	1	25	6.86	6.73	6.94	6.70	6.69	
10	64QAM	1	49	6.79	6.99	6.88	6.79	6.67	
10	64QAM	25	0	5.83	5.95	6.11	5.99	5.93	6.5
10	64QAM	25	12	5.85	5.67	5.71	5.71	6.03	
10	64QAM	25	25	5.91	5.82	5.69	5.55	5.82	
10	64QAM	50	0	5.71	5.61	5.82	5.83	5.70	
10	256QAM	1	0	2.04	1.82	1.81	1.90	2.11	3
10	256QAM	1	25	1.85	1.70	1.89	2.17	1.79	
10	256QAM	1	49	1.75	2.04	1.91	2.00	1.91	
10	256QAM	25	0	1.70	1.60	1.70	1.85	1.70	2.5
10	256QAM	25	12	1.64	1.69	1.61	1.51	1.60	
10	256QAM	25	25	1.60	1.58	1.75	1.58	1.70	
10	256QAM	50	0	1.55	1.51	1.42	1.49	1.79	
Channel				55265	55810	55990	56170	56175	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	7.68	7.64	7.78	7.71	7.68	8.5
5	QPSK	1	12	7.50	7.52	7.58	7.53	7.45	
5	QPSK	1	24	7.47	7.43	7.37	7.55	7.56	
5	QPSK	12	0	6.57	6.58	6.68	6.63	6.56	7
5	QPSK	12	7	6.47	6.52	6.52	6.53	6.54	
5	QPSK	12	13	6.53	6.49	6.63	6.43	6.50	
5	QPSK	25	0	6.50	6.53	6.49	6.58	6.40	
5	16QAM	1	0	6.68	6.56	6.58	6.48	6.63	7
5	16QAM	1	12	6.55	6.43	6.43	6.63	6.54	
5	16QAM	1	24	6.57	6.58	6.47	6.44	6.46	
5	16QAM	12	0	6.52	6.56	6.50	6.37	6.27	7
5	16QAM	12	7	6.46	6.47	6.42	6.35	6.30	
5	16QAM	12	13	6.38	6.40	6.55	6.54	6.43	
5	16QAM	25	0	6.49	6.58	6.60	6.55	6.40	
5	64QAM	1	0	6.77	6.72	6.65	6.72	6.58	7
5	64QAM	1	12	6.74	6.61	6.82	6.58	6.57	
5	64QAM	1	24	6.67	6.87	6.76	6.67	6.55	
5	64QAM	12	0	5.71	5.83	5.99	5.87	5.81	6.5
5	64QAM	12	7	5.73	5.55	5.59	5.59	5.91	
5	64QAM	12	13	5.79	5.70	5.57	5.43	5.70	
5	64QAM	25	0	5.59	5.49	5.70	5.71	5.58	
5	256QAM	1	0	1.92	1.70	1.69	1.78	1.99	2.5
5	256QAM	1	12	1.73	1.58	1.77	2.05	1.67	
5	256QAM	1	24	1.63	1.92	1.79	1.88	1.79	
5	256QAM	12	0	1.58	1.48	1.58	1.73	1.58	2
5	256QAM	12	7	1.52	1.57	1.49	1.39	1.48	
5	256QAM	12	13	1.48	1.46	1.63	1.25	1.58	
5	256QAM	25	0	1.26	1.39	1.32	1.37	1.67	

2.4GHz WLAN ANT 5

2.4GHz WLAN ANT 5	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	13.54	14.0	14.5	100.00
		CH 6	2437	12.19	13.0	14.5	
		CH 11	2462	11.70	12.5	14.5	
	802.11g 6Mbps	CH 1	2412	12.71	13.5	14	98.21
		CH 6	2437	11.75	12.5	14	
		CH 11	2462	11.51	12.0	14	
	802.11n-HT20 MCS0	CH 1	2412	12.50	13.0	14	98.59
		CH 6	2437	11.65	12.5	14	
		CH 11	2462	11.47	12.0	14	
	802.11n-HT40 MCS0	CH 3	2422	11.81	12.50	14	94.20
		CH 6	2437	12.09	12.50	14	
		CH 9	2452	12.22	13.00	14	

5GHz WLAN ANT 5

5.2GHz WLAN ANT 5	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	7.04	7.5	11	98.03
		CH 44	5220	7.11	8.0	11	
		CH 48	5240	7.00	7.5	11	
	802.11n-HT20 MCS0	CH 36	5180	7.55	8.0	11	98.28
		CH 44	5220	7.14	8.0	11	
		CH 48	5240	7.84	8.5	11	
	802.11n-HT40 MCS0	CH 38	5190	7.88	8.5	11	96.68
		CH 46	5230	6.87	7.5	11	
		CH 36	5180	7.45	8.0	11	
	802.11ac-VHT20 MCS0	CH 44	5220	7.03	7.5	11	98.14
		CH 48	5240	6.99	7.5	11	
		CH 38	5190	7.37	8.0	11	
	802.11ac-VHT40 MCS0	CH 46	5230	7.03	7.5	11	96.41
		CH 42	5210	7.00	7.5	11	

5GHz WLAN ANT 5

5.3GHz WLAN ANT 5	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	7.01	7.5	11	98.03
		CH 60	5300	7.44	8.0	11	
		CH 64	5320	7.61	8.5	11	
	802.11n-HT20 MCS0	CH 52	5260	7.78	8.5	11	98.28
		CH 60	5300	7.44	8.0	11	
		CH 64	5320	7.70	8.5	11	
	802.11n-HT40 MCS0	CH 54	5270	6.89	7.5	11	96.68
		CH 62	5310	8.39	9.0	11	
		CH 52	5260	6.90	7.5	11	
	802.11ac-VHT20 MCS0	CH 60	5300	7.07	7.5	11	98.14
		CH 64	5320	7.47	8.0	11	
		CH 54	5270	7.22	8.0	11	
	802.11ac-VHT40 MCS0	CH 62	5310	6.76	7.5	11	96.41
		CH 58	5290	7.18	8.0	11	

5GHz WLAN ANT 5

5.5GHz WLAN ANT 5	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	6.22	7.0	9	98.03
		CH 120	5600	5.41	6.0	9	
		CH 144	5720	5.52	6.0	9	
	802.11n-HT20 MCS0	CH 100	5500	6.33	7.0	9	98.28
		CH 120	5600	6.41	7.0	9	
		CH 144	5720	6.90	7.5	9	
	802.11n-HT40 MCS0	CH 102	5510	6.99	7.5	9	96.68
		CH 126	5630	5.47	6.0	9	
		CH 142	5710	4.13	5.0	9	
	802.11ac-VHT20 MCS0	CH 100	5500	5.96	6.5	8.5	98.14
		CH 120	5600	5.22	6.0	8.5	
		CH 144	5720	5.21	6.0	8.5	
	802.11ac-VHT40 MCS0	CH 102	5510	5.43	6.0	8.5	96.41
		CH 126	5630	5.55	6.0	8.5	
		CH 142	5710	5.61	6.5	8.5	
	802.11ac-VHT80 MCS0	CH 106	5530	6.04	6.5	8.5	93.54
		CH 138	5690	5.69	6.5	8.5	

5GHz WLAN ANT 5

5.8GHz WLAN ANT 5	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a MCS0	CH 149	5745	4.59	6.00	8	98.03
		CH 157	5785	4.11	5.00	8	
		CH 165	5825	4.21	5.00	8	
	802.11n-HT20 MCS0	CH 149	5745	4.91	5.50	8	98.28
		CH 157	5785	4.21	5.00	8	
		CH 165	5825	5.67	6.50	8	
	802.11n-HT40 MCS0	CH 151	5755	4.07	4.50	8	96.68
		CH 159	5795	5.55	6.00	8	
		CH 149	5745	4.30	5.00	8	
	802.11ac-VHT20 MCS0	CH 157	5785	4.71	5.50	8	98.14
		CH 165	5825	4.03	5.00	8	
		CH 151	5755	4.61	5.50	8	
	802.11ac-VHT40 MCS0	CH 159	5795	4.15	5.00	8	96.41
		CH 155	5775	4.11	5.00	8	

2.4GHz WLAN ANT 6

2.4GHz WLAN ANT 6	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	14.44	15.00	15	100.00
		CH 6	2437	14.74	15.50	15	
		CH 11	2462	14.04	14.50	15	
	802.11g 6Mbps	CH 1	2412	13.28	14.00	14.5	98.21
		CH 6	2437	13.26	14.00	14.5	
		CH 11	2462	12.31	13.00	14.5	
	802.11n-HT20 MCS0	CH 1	2412	12.56	13.00	14.5	98.59
		CH 6	2437	13.07	13.50	14.5	
		CH 11	2462	12.11	12.50	14.5	
	802.11n-HT40 MCS0	CH 3	2422	11.85	12.50	14.5	94.20
		CH 6	2437	12.14	13.00	14.5	
		CH 9	2452	12.27	13.00	14.5	

5.2GHz WLAN ANT 6

5.2GHz WLAN ANT 6	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	7.86	8.50	8.5	98.03
		CH 44	5220	7.30	8.00	8.5	
		CH 48	5240	7.01	7.50	8.5	
	802.11n-HT20 MCS0	CH 36	5180	7.73	8.50	8.5	98.28
		CH 44	5220	7.15	8.00	8.5	
		CH 48	5240	7.95	8.50	8.5	
	802.11n-HT40 MCS0	CH 38	5190	8.57	9.00	8.5	96.68
		CH 46	5230	6.88	7.50	8.5	
		CH 36	5180	7.69	8.50	8.5	
	802.11ac-VHT20 MCS0	CH 44	5220	7.15	8.00	8.5	98.14
		CH 48	5240	7.05	7.50	8.5	
		CH 38	5190	7.67	8.50	8.5	
	802.11ac-VHT40 MCS0	CH 46	5230	7.04	7.50	8.5	96.41
		CH 42	5210	7.45	8.00	8.5	

5.3GHz WLAN ANT 6

5.3GHz WLAN ANT 6	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 52	5260	7.11	8.00	8.5	98.03
		CH 60	5300	7.39	8.00	8.5	
		CH 64	5320	7.66	8.50	8.5	
	802.11n-HT20 MCS0	CH 52	5260	7.88	8.50	8.5	98.28
		CH 60	5300	7.45	8.00	8.5	
		CH 64	5320	7.84	8.50	8.5	
	802.11n-HT40 MCS0	CH 54	5270	7.04	7.50	8.5	96.68
		CH 62	5310	8.55	9.00	8.5	
		CH 52	5260	7.11	8.00	8.5	
	802.11ac-VHT20 MCS0	CH 60	5300	7.21	8.00	8.5	98.14
		CH 64	5320	7.68	8.50	8.5	
		CH 54	5270	7.46	8.00	8.5	
	802.11ac-VHT40 MCS0	CH 62	5310	6.87	7.50	8.5	96.41
		CH 58	5290	7.59	8.00	8.5	

5.5 WLAN ANT 6

5.5GHz WLAN ANT 6	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 100	5500	6.21	7.00	8	98.03
		CH 116	5580	5.40	6.00	8	
		CH 144	5720	5.49	6.00	8	
	802.11n-HT20 MCS0	CH 100	5500	6.55	7.00	8	98.28
		CH 116	5580	6.57	7.00	8	
		CH 144	5720	6.99	7.50	8	
	802.11n-HT40 MCS0	CH 102	5510	7.07	7.50	8	96.68
		CH 126	5630	5.67	6.50	8	
		CH 142	5710	4.36	5.00	8	
	802.11ac-VHT20 MCS0	CH 100	5500	5.99	6.50	8.5	98.14
		CH 116	5580	5.58	6.00	8.5	
		CH 144	5720	5.63	6.50	8.5	
	802.11ac-VHT40 MCS0	CH 102	5510	5.55	6.00	8.5	96.41
		CH 126	5630	5.66	6.50	8.5	
		CH 142	5710	5.71	6.50	8.5	
	802.11ac-VHT80 MCS0	CH 106	5530	6.78	7.50	8.5	93.54
		CH 138	5690	5.77	6.50	8.5	

5.8 WLAN ANT 6

5.8GHz WLAN ANT 6	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a MCS0	CH 149	5745	4.68	5.50	9.5	98.03
		CH 157	5785	4.15	5.00	9.5	
		CH 165	5825	4.28	5.00	9.5	
	802.11n-HT20 MCS0	CH 149	5745	4.98	5.50	9.5	98.28
		CH 157	5785	4.25	5.00	9.5	
		CH 165	5825	4.59	5.00	9.5	
	802.11n-HT40 MCS0	CH 151	5755	5.11	6.00	9.5	96.68
		CH 159	5795	5.91	6.00	9.5	
	802.11ac-VHT20 MCS0	CH 149	5745	4.78	5.50	9.5	98.14
		CH 157	5785	4.89	5.50	9.5	
		CH 165	5825	4.23	5.00	9.5	
	802.11ac-VHT40 MCS0	CH 151	5755	4.81	5.50	9.5	96.41
		CH 159	5795	4.55	5.00	9.5	
802.11ac-VHT80 MCS0	CH 155	5775	4.52	5.00	9.5	93.54	

2CC Uplink Carrier Aggregation for Intra-band										
CA_5B Combination:10MHz+10MHz(50RB+50RB)										
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)
				RB Size	RB Offset	RB Size	RB Offset			
20450	20450	20549	QPSK	1	0	0	0	1	0	18.59
20525	20476	20575	QPSK	1	0	0	0	1	0	18.76
20600	20501	20600	QPSK	1	0	0	0	1	0	18.73

CA_48C Combination:20MHz+20MHz(100RB+100RB)										
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)
				RB Size	RB Offset	RB Size	RB Offset			
55340	55340	55538	QPSK	1	0	0	0	1	0	13.31
55990	55891	56089	QPSK	1	0	0	0	1	0	13.67
56640	56442	56640	QPSK	1	0	0	0	1	0	13.55

CA_48E Combination:20MHz+20MHz(100RB+100RB)															
PCC Channel	PCC Channel (3GPP)	SCC Channel	SCC Channel	SCC Channel	Modulation	PCC		SCC		SCC		SCC		Total RB Size	Target MPR Level(dB)
						RB Size	RB Offset	RB Size	RB Offset	RB Size	RB Offset	RB Size	RB Offset		
55340	55340	55538	55736	55736	QPSK	1	0	1	0	1	0	1	0	1	13.23
55990	55891	56089	56188	56188	QPSK	1	0	1	0	1	0	1	0	1	13.54
56640	56442	56640	56640	56640	QPSK	1	0	1	0	1	0	1	0	1	13.41

Reduced Power Level 3										
2CC Uplink Carrier Aggregation for Inter-band										
CA_5A_66A										
Combination:10MHz+20MHz(50RB+50RB)										
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)
				RB Size	RB Offset	RB Size	RB Offset			
20450	20450	132072	QPSK	1	0	0	0	1	0	18.11
20525	20525	132322	QPSK	1	0	0	0	1	0	18.22
20600	20600	132572	QPSK	1	0	0	0	1	0	17.72

CA_4A_5A										
Combination:20MHz+10MHz(100RB+50RB)										
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)
				RB Size	RB Offset	RB Size	RB Offset			
20050	20050	20450	QPSK	1	0	0	0	1	0	14.23
20175	20175	20525	QPSK	1	0	0	0	1	0	14.21
20300	20300	20600	QPSK	1	0	0	0	1	0	14.11

CA_4A_13A										
Combination:20MHz+10MHz(100RB+50RB)										
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)
				RB Size	RB Offset	RB Size	RB Offset			
20050	20050	23230	QPSK	1	0	0	0	1	0	14.39
20175	20175	23230	QPSK	1	0	0	0	1	0	14.06
20300	20300	23230	QPSK	1	0	0	0	1	0	14.03

CA_2A_5A										
Combination:20MHz+10MHz(100RB+50RB)										
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)
				RB Size	RB Offset	RB Size	RB Offset			
18700	18700	20450	QPSK	1	0	0	0	1	0	14.24
18900	18900	20525	QPSK	1	0	0	0	1	0	15.16
19100	19100	20600	QPSK	1	0	0	0	1	0	15.32

CA_2A_13A										
Combination:20MHz+10MHz(100RB+50RB)										
PCC Channel	PCC Channel (3GPP)	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level(dB)	Measured Power(dBm)
				RB Size	RB Offset	RB Size	RB Offset			
18700	18700	23230	QPSK	1	0	0	0	1	0	14.13
18900	18900	23230	QPSK	1	0	0	0	1	0	15.01
19100	19100	23230	QPSK	1	0	0	0	1	0	15.44

CA_13A_66A										
Combination:10MHz+20MHz(50RB+100RB)										
PCC	PCC	SCC		PCC		SCC		Total	Target MPR	Measured

Channel	Channel (3GPP)	Channel	Modulation	RB Size	RB Offset	RB Size	RB Offset	RB Size	Target RSRP Level(dB)	Measured Power(dBm)
23230	23230	132072	QPSK	1	0	0	0	1	0	23.91
23230	23230	132322	QPSK	1	0	0	0	1	0	23.89
23230	23230	132572	QPSK	1	0	0	0	1	0	24.03

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)	DL Channel	DL Fre. (MHz)	CA TX (dBm)	Rel.8 TX (dBm)
Intra-band	Non Continuous	CA_2A_2A	2	20	18700	1860	QPSK/1#0	2	20	19100	1900	22.25	
		CA_4A_4A	4	20	20050	1720	QPSK/1#0	4	20	20300	1745	22.59	
		CA_66A_66A	66	20	132072	1720	QPSK/1#0	66	20	132597	1772.5	22.55	

3CC LTE Downlink																
Configure		CA Configuration	PCC					SCC1				SCC2				Power
			Band	BW (MHz)	UL Channel	UL Fre. (MHz)	UL Mode (Modulation/RB/Offset)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	Band	BW (MHz)	DL Channel	DL Fre. (MHz)	CA TX (dBm)
Inter-band		CA_2A_5B	2	20	18700	1860	QPSK/1#0	5	10	20476	831.6	5	10	2575	886.5	22.18
		CA_4A_5B	4	20	20050	1720	QPSK/1#0	5	10	20476	831.6	5	10	2575	886.5	22.42
		CA_5A_5A_66A	5	10	20450	829	QPSK/1#0	5	10	20600	844	66	20	67036	2170	22.11
		CA_5B_66A	5	10	20476	831.6	QPSK/1#0	5	10	20575	841.5	66	20	67036	2170	22.33

LTE Band 2(Reduced Power Level 4)								
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	10.96	11.08	11.10	11.5	
20	QPSK	1	49	10.79	10.69	10.68		
20	QPSK	1	99	10.68	10.59	10.51		
20	QPSK	50	0	9.86	9.90	9.77	10.5	
20	QPSK	50	24	9.77	9.86	9.68		
20	QPSK	50	50	9.70	9.78	9.57		
20	QPSK	100	0	9.60	9.66	9.53	10.5	
20	16QAM	1	0	9.80	9.94	9.79		
20	16QAM	1	49	9.68	9.92	9.74		
20	16QAM	1	99	9.63	9.88	9.72	10.5	
20	16QAM	50	0	9.81	9.83	9.85		
20	16QAM	50	24	9.75	9.77	9.78		
20	16QAM	50	50	9.66	9.64	9.73	10.5	
20	16QAM	100	0	9.63	9.60	9.66		
20	64QAM	1	0	9.61	9.86	9.81		
20	64QAM	1	49	9.51	9.80	9.78	10.5	
20	64QAM	1	99	9.46	9.69	9.65		
20	64QAM	50	0	9.58	9.61	9.52	10	
20	64QAM	50	24	9.55	9.58	9.44		
20	64QAM	50	50	9.41	9.47	9.32		
20	64QAM	100	0	9.34	9.39	9.27	6	
20	256QAM	1	0	5.56	5.65	5.61		
20	256QAM	1	49	5.54	5.59	5.55		
20	256QAM	1	99	5.57	5.51	5.45	5.5	
20	256QAM	50	0	5.15	5.22	5.19		
20	256QAM	50	24	5.08	5.20	5.11		
20	256QAM	50	50	5.03	5.11	5.06	5.5	
20	256QAM	100	0	5.06	5.12	5.07		
Channel				18675	18900	19125	Tune-up limit (dBm)	
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	10.86	10.98	11.00	11.5	
15	QPSK	1	37	10.69	10.59	10.58		
15	QPSK	1	74	10.58	10.49	10.41		
15	QPSK	36	0	9.76	9.80	9.67	10.5	
15	QPSK	36	20	9.67	9.76	9.58		
15	QPSK	36	39	9.60	9.68	9.47		
15	QPSK	75	0	9.50	9.56	9.43	10.5	
15	16QAM	1	0	9.70	9.84	9.69		
15	16QAM	1	37	9.58	9.82	9.64	10.5	
15	16QAM	1	74	9.53	9.78	9.62		
15	16QAM	36	0	9.71	9.73	9.75	10.5	
15	16QAM	36	20	9.65	9.67	9.68		
15	16QAM	36	39	9.56	9.54	9.63	10.5	
15	16QAM	75	0	9.53	9.50	9.56		
15	64QAM	1	0	9.51	9.76	9.71	10.5	
15	64QAM	1	37	9.41	9.70	9.68		
15	64QAM	1	74	9.36	9.59	9.55	10	
15	64QAM	36	0	9.48	9.51	9.42		
15	64QAM	36	20	9.45	9.48	9.34	10	
15	64QAM	36	39	9.31	9.37	9.22		
15	64QAM	75	0	9.24	9.29	9.17	6	
15	256QAM	1	0	5.46	5.55	5.51		
15	256QAM	1	37	5.44	5.49	5.45	5.5	
15	256QAM	1	74	5.47	5.41	5.35		
15	256QAM	36	0	5.05	5.12	5.09	5.5	
15	256QAM	36	20	4.98	5.10	5.01		
15	256QAM	36	39	4.93	5.01	4.96		
15	256QAM	75	0	4.96	5.02	4.97	5.5	
Channel				18650	18900	19150	Tune-up limit (dBm)	
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	10.74	10.86	10.88	11.5	
10	QPSK	1	25	10.57	10.47	10.46		
10	QPSK	1	49	10.46	10.37	10.29		
10	QPSK	25	0	9.64	9.68	9.55	10	
10	QPSK	25	12	9.55	9.64	9.46		
10	QPSK	25	25	9.48	9.56	9.35		
10	QPSK	50	0	9.38	9.44	9.31	10.5	
10	16QAM	1	0	9.58	9.72	9.57		
10	16QAM	1	25	9.46	9.70	9.52	10.5	
10	16QAM	1	49	9.41	9.66	9.50		
10	16QAM	25	0	9.59	9.61	9.63	10	
10	16QAM	25	12	9.53	9.55	9.56		
10	16QAM	25	25	9.44	9.42	9.51		
10	16QAM	50	0	9.41	9.38	9.44	10	
10	64QAM	1	0	9.39	9.64	9.59		
10	64QAM	1	25	9.29	9.58	9.56	10	
10	64QAM	1	49	9.24	9.47	9.43		
10	64QAM	25	0	9.36	9.39	9.30		
10	64QAM	25	12	9.33	9.36	9.22	10	
10	64QAM	25	25	9.19	9.25	9.10		
10	64QAM	50	0	9.12	9.17	9.05	6	
10	256QAM	1	0	5.34	5.43	5.39		
10	256QAM	1	25	5.32	5.37	5.33	5.5	
10	256QAM	1	49	5.35	5.29	5.23		
10	256QAM	25	0	4.93	5.00	4.97	5.5	
10	256QAM	25	12	4.86	4.98	4.89		
10	256QAM	25	25	4.81	4.89	4.84		
10	256QAM	50	0	4.84	4.90	4.85	5.5	
Channel				18625	18900	19175	Tune-up limit (dBm)	
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	10.63	10.75	10.77	11.5	
5	QPSK	1	12	10.46	10.36	10.35		
5	QPSK	1	24	10.35	10.26	10.18		
5	QPSK	12	0	9.53	9.57	9.44	10	
5	QPSK	12	7	9.44	9.53	9.35		
5	QPSK	12	13	9.37	9.45	9.24		
5	QPSK	25	0	9.27	9.33	9.20	10	
5	16QAM	1	0	9.47	9.61	9.46		

LTE Band 4(Reduced Power Level 4)							
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	11.02	11.08	11.04	11.5
20	QPSK	1	49	10.96	10.99	10.97	
20	QPSK	1	99	10.92	10.91	10.87	
20	QPSK	50	0	9.98	10.03	9.99	10.5
20	QPSK	50	24	9.97	9.95	9.96	
20	QPSK	50	50	9.92	9.89	9.86	
20	QPSK	100	0	9.84	9.86	9.82	10.5
20	16QAM	1	0	9.95	10.00	9.91	
20	16QAM	1	49	9.85	9.99	9.82	10.5
20	16QAM	1	99	9.81	9.97	9.72	
20	16QAM	50	0	9.81	9.86	9.90	10.5
20	16QAM	50	24	9.77	9.77	9.81	
20	16QAM	50	50	9.73	9.71	9.77	
20	16QAM	100	0	9.67	9.69	9.74	10
20	64QAM	1	0	10.02	9.83	10.04	
20	64QAM	1	49	10.00	9.82	10.02	10
20	64QAM	1	99	9.94	9.78	9.98	
20	64QAM	50	0	9.91	9.58	9.61	10
20	64QAM	50	24	9.53	9.56	9.53	
20	64QAM	50	50	9.47	9.48	9.44	
20	64QAM	100	0	9.46	9.45	9.43	6.5
20	256QAM	1	0	5.73	5.78	5.74	
20	256QAM	1	49	5.70	5.72	5.65	5.5
20	256QAM	1	99	5.68	5.68	5.63	
20	256QAM	50	0	5.25	5.28	5.19	5.5
20	256QAM	50	24	5.17	5.19	5.18	
20	256QAM	50	50	5.11	5.11	5.11	
20	256QAM	100	0	5.03	5.10	5.05	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	10.90	10.97	10.92	11.5
15	QPSK	1	37	10.84	10.87	10.85	
15	QPSK	1	74	10.80	10.79	10.75	
15	QPSK	36	0	9.86	9.91	9.87	10.5
15	QPSK	36	20	9.85	9.83	9.84	
15	QPSK	36	39	9.80	9.77	9.74	
15	QPSK	75	0	9.72	9.74	9.70	10.5
15	16QAM	1	0	9.83	9.88	9.79	
15	16QAM	1	37	9.73	9.87	9.70	10.5
15	16QAM	1	74	9.69	9.85	9.60	
15	16QAM	36	0	9.69	9.74	9.78	10.5
15	16QAM	36	20	9.65	9.65	9.69	
15	16QAM	36	39	9.61	9.59	9.65	10.5
15	16QAM	75	0	9.55	9.57	9.62	
15	64QAM	1	0	9.90	9.71	9.92	10
15	64QAM	1	37	9.88	9.70	9.90	
15	64QAM	1	74	9.82	9.66	9.86	10
15	64QAM	36	0	9.79	9.46	9.49	
15	64QAM	36	20	9.41	9.44	9.41	10
15	64QAM	36	39	9.35	9.36	9.32	
15	64QAM	75	0	9.34	9.33	9.31	6.5
15	256QAM	1	0	5.61	5.66	5.62	
15	256QAM	1	37	5.58	5.60	5.53	5.5
15	256QAM	1	74	5.56	5.56	5.51	
15	256QAM	36	0	5.13	5.16	5.07	5.5
15	256QAM	36	20	5.05	5.07	5.06	
15	256QAM	36	39	4.99	4.99	4.99	5.5
15	256QAM	75	0	4.91	4.98	4.93	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	10.80	10.87	10.82	10.5
10	QPSK	1	25	10.74	10.77	10.75	
10	QPSK	1	49	10.70	10.69	10.65	
10	QPSK	25	0	9.76	9.81	9.77	10.5
10	QPSK	25	12	9.75	9.73	9.74	
10	QPSK	25	25	9.70	9.67	9.64	
10	QPSK	50	0	9.62	9.64	9.60	10.5
10	16QAM	1	0	9.73	9.78	9.69	
10	16QAM	1	25	9.63	9.77	9.60	10.5
10	16QAM	1	49	9.59	9.75	9.50	
10	16QAM	25	0	9.59	9.64	9.68	10
10	16QAM	25	12	9.55	9.55	9.59	
10	16QAM	25	25	9.51	9.49	9.55	10.5
10	16QAM	50	0	9.45	9.47	9.52	
10	64QAM	1	0	9.80	9.61	9.82	10.5
10	64QAM	1	25	9.78	9.60	9.80	
10	64QAM	1	49	9.72	9.56	9.76	10
10	64QAM	25	0	9.59	9.36	9.39	
10	64QAM	25	12	9.31	9.34	9.31	6
10	64QAM	25	25	9.25	9.26	9.22	
10	64QAM	50	0	9.24	9.23	9.21	5.5
10	256QAM	1	0	5.51	5.56	5.52	
10	256QAM	1	25	5.48	5.50	5.43	5.5
10	256QAM	1	49	5.46	5.46	5.41	
10	256QAM	25	0	5.03	5.06	4.97	5.5
10	256QAM	25	12	4.95	4.97	4.96	
10	256QAM	25	25	4.89	4.89	4.89	5.5
10	256QAM	50	0	4.81	4.88	4.83	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	10.69	10.76	10.71	11.5
5	QPSK	1	12	10.63	10.66	10.64	
5	QPSK	1	24	10.59	10.58	10.54	
5	QPSK	12	0	9.65	9.70	9.66	10.5
5	QPSK	12	7	9.64	9.62	9.63	
5	QPSK	12	13	9.59	9.56	9.53	
5	QPSK	25	0	9.51	9.53	9.49	10.5
5	16QAM	1	0	9.62	9.67	9.58	

5	16QAM	1	12	9.35	9.59	9.41	10
5	16QAM	1	24	9.30	9.55	9.39	
5	16QAM	12	0	9.48	9.50	9.52	
5	16QAM	12	7	9.42	9.44	9.45	10
5	16QAM	12	13	9.33	9.31	9.40	
5	16QAM	25	0	9.30	9.27	9.33	
5	64QAM	1	0	9.28	9.53	9.48	10
5	64QAM	1	12	9.18	9.47	9.45	
5	64QAM	1	24	9.13	9.36	9.32	
5	64QAM	12	0	9.25	9.28	9.19	10
5	64QAM	12	7	9.22	9.25	9.11	
5	64QAM	12	13	9.08	9.14	8.99	
5	64QAM	25	0	9.01	9.06	8.94	
5	256QAM	1	0	5.23	5.32	5.28	6
5	256QAM	1	12	5.21	5.26	5.22	
5	256QAM	1	24	5.24	5.18	5.12	
5	256QAM	12	0	4.82	4.89	4.86	5.5
5	256QAM	12	7	4.75	4.87	4.78	
5	256QAM	12	13	4.70	4.78	4.73	
5	256QAM	25	0	4.73	4.79	4.74	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	10.53	10.65	10.67	11
3	QPSK	1	8	10.36	10.26	10.25	
3	QPSK	1	14	10.25	10.16	10.08	
3	QPSK	8	0	9.43	9.47	9.34	10
3	QPSK	8	4	9.34	9.43	9.25	
3	QPSK	8	7	9.27	9.35	9.14	
3	QPSK	15	0	9.17	9.23	9.10	
3	16QAM	1	0	9.37	9.51	9.36	10
3	16QAM	1	8	9.25	9.49	9.31	
3	16QAM	1	14	9.20	9.45	9.29	
3	16QAM	8	0	9.38	9.40	9.42	10
3	16QAM	8	4	9.32	9.34	9.35	
3	16QAM	8	7	9.23	9.21	9.30	
3	16QAM	15	0	9.20	9.17	9.23	
3	64QAM	1	0	9.18	9.43	9.38	10
3	64QAM	1	8	9.08	9.37	9.35	
3	64QAM	1	14	9.03	9.26	9.22	
3	64QAM	8	0	9.15	9.18	9.09	10
3	64QAM	8	4	9.12	9.15	9.01	
3	64QAM	8	7	8.98	9.04	8.89	
3	64QAM	15	0	8.91	8.96	8.84	
3	256QAM	1	0	5.13	5.22	5.18	6
3	256QAM	1	8	5.11	5.16	5.12	
3	256QAM	1	14	5.14	5.08	5.02	
3	256QAM	8	0	4.72	4.79	4.76	5.5
3	256QAM	8	4	4.65	4.77	4.68	
3	256QAM	8	7	4.60	4.68	4.63	
3	256QAM	15	0	4.63	4.69	4.64	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	10.41	10.53	10.55	11
1.4	QPSK	1	3	10.24	10.14	10.13	
1.4	QPSK	1	5	10.13	10.04	9.96	
1.4	QPSK	3	0	9.31	9.35	9.22	
1.4	QPSK	3	1	9.22	9.31	9.13	9.5
1.4	QPSK	3	3	9.15	9.23	9.02	
1.4	QPSK	6	0	9.05	9.11	8.98	
1.4	16QAM	1	0	9.25	9.39	9.24	10
1.4	16QAM	1	3	9.13	9.37	9.19	
1.4	16QAM	1	5	9.08	9.33	9.17	
1.4	16QAM	3	0	9.26	9.28	9.30	
1.4	16QAM	3	1	9.20	9.22	9.23	9.5
1.4	16QAM	3	3	9.11	9.09	9.18	
1.4	16QAM	6	0	9.08	9.05	9.11	
1.4	64QAM	1	0	9.06	9.31	9.26	10
1.4	64QAM	1	3	8.96	9.25	9.23	
1.4	64QAM	1	5	8.91	9.14	9.10	
1.4	64QAM	3	0	9.03	9.06	8.97	
1.4	64QAM	3	1	9.00	9.03	8.89	9.5
1.4	64QAM	3	3	8.86	8.92	8.77	
1.4	64QAM	6	0	8.79	8.84	8.72	
1.4	256QAM	1	0	5.01	5.10	5.06	5.5
1.4	256QAM	1	3	4.99	5.04	5.00	
1.4	256QAM	1	5	5.02	4.96	4.90	
1.4	256QAM	3	0	4.60	4.67	4.64	
1.4	256QAM	3	1	4.53	4.65	4.56	
1.4	256QAM	3	3	4.48	4.56	4.51	5
1.4	256QAM	6	0	4.51	4.57	4.52	

5	16QAM	1	12	9.52	9.66	9.49	10
5	16QAM	1	24	9.48	9.64	9.39	
5	16QAM	12	0	9.48	9.53	9.57	
5	16QAM	12	7	9.44	9.44	9.48	10
5	16QAM	12	13	9.40	9.38	9.44	
5	16QAM	25	0	9.34	9.36	9.41	
5	64QAM	1	0	9.69	9.50	9.71	10
5	64QAM	1	12	9.67	9.49	9.69	
5	64QAM	1	24	9.61	9.45	9.65	
5	64QAM	12	0	9.58	9.25	9.28	10
5	64QAM	12	7	9.20	9.23	9.20	
5	64QAM	12	13	9.14	9.15	9.11	
5	64QAM	25	0	9.13	9.12	9.10	
5	256QAM	1	0	5.40	5.45	5.41	6
5	256QAM	1	12	5.37	5.39	5.32	
5	256QAM	1	24	5.35	5.35	5.30	
5	256QAM	12	0	4.92	4.95	4.86	5.5
5	256QAM	12	7	4.84	4.86	4.85	
5	256QAM	12	13	4.78	4.78	4.78	
5	256QAM	25	0	4.70	4.77	4.72	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	10.57	10.64	10.59	11
3	QPSK	1	8	10.51	10.54	10.52	
3	QPSK	1	14	10.47	10.46	10.42	
3	QPSK	8	0	9.53	9.58	9.54	10
3	QPSK	8	4	9.52	9.50	9.51	
3	QPSK	8	7	9.47	9.44	9.41	
3	QPSK	15	0	9.39	9.41	9.37	
3	16QAM	1	0	9.50	9.55	9.46	10
3	16QAM	1	8	9.40	9.54	9.37	
3	16QAM	1	14	9.36	9.52	9.27	
3	16QAM	8	0	9.36	9.41	9.45	10
3	16QAM	8	4	9.32	9.32	9.36	
3	16QAM	8	7	9.28	9.26	9.32	
3	16QAM	15	0	9.22	9.24	9.29	
3	64QAM	1	0	9.57	9.38	9.59	9.5
3	64QAM	1	8	9.55	9.37	9.57	
3	64QAM	1	14	9.49	9.33	9.53	
3	64QAM	8	0	9.46	9.13	9.16	
3	64QAM	8	4	9.08	9.11	9.08	
3	64QAM	8	7	9.02	9.03	8.99	
3	64QAM	15	0	9.01	9.00	8.98	
3	256QAM	1	0	5.28	5.33	5.29	6
3	256QAM	1	8	5.25	5.27	5.20	
3	256QAM	1	14	5.23	5.23	5.18	
3	256QAM	8	0	4.80	4.83	4.74	5.5
3	256QAM	8	4	4.72	4.74	4.73	
3	256QAM	8	7	4.66	4.66	4.66	
3	256QAM	15	0	4.58	4.65	4.60	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	10.47	10.54	10.49	11
1.4	QPSK	1	3	10.41	10.44	10.42	
1.4	QPSK	1	5	10.37	10.36	10.32	
1.4	QPSK	3	0	9.43	9.48	9.44	
1.4	QPSK	3	1	9.42	9.40	9.41	10
1.4	QPSK	3	3	9.37	9.34	9.31	
1.4	QPSK	6	0	9.29	9.31	9.27	
1.4	16QAM	1	0	9.40	9.45	9.36	10
1.4	16QAM	1	3	9.30	9.44	9.27	
1.4	16QAM	1	5	9.26	9.42	9.17	
1.4	16QAM	3	0	9.26	9.31	9.35	
1.4	16QAM	3	1	9.22	9.22	9.26	
1.4	16QAM	3	3	9.18	9.16	9.22	
1.4	16QAM	6	0	9.12	9.14	9.19	9.5
1.4	64QAM	1	0	9.47	9.28	9.49	10
1.4	64QAM	1	3	9.45	9.27	9.47	
1.4	64QAM	1	5	9.39	9.23	9.43	
1.4	64QAM	3	0	9.36	9.03	9.06	
1.4	64QAM	3	1	8.98	9.01	8.98	
1.4	64QAM	3	3	8.92	8.93	8.89	
1.4	64QAM	6	0	8.91	8.90	8.88	9.5
1.4	256QAM	1	0	5.18	5.23	5.19	6
1.4	256QAM	1	3	5.15	5.17	5.10	
1.4	256QAM	1	5	5.13	5.13	5.08	
1.4	256QAM	3	0	4.70	4.73	4.64	
1.4	256QAM	3	1	4.62	4.64	4.63	
1.4	256QAM	3	3	4.56	4.56	4.56	
1.4	256QAM	6	0	4.48	4.55	4.50	5

LTE Band 5(Reduced Power Level 4)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.06	24.15	24.09	24.5
10	QPSK	1	25	23.98	24.06	24.01	
10	QPSK	1	49	23.95	24.02	23.98	
10	QPSK	25	0	23.04	23.06	23.02	23.5
10	QPSK	25	12	22.96	22.96	22.99	
10	QPSK	25	25	22.87	22.91	22.96	
10	QPSK	50	0	22.79	22.80	22.94	23.5
10	16QAM	1	0	22.64	22.70	22.62	
10	16QAM	1	25	22.60	22.64	22.55	
10	16QAM	1	49	22.57	22.61	22.54	23.5
10	16QAM	25	0	22.46	22.42	22.38	
10	16QAM	25	12	22.44	22.35	22.32	
10	16QAM	25	25	22.34	22.28	22.29	23.5
10	16QAM	50	0	22.27	22.24	22.24	
10	64QAM	1	0	22.50	22.59	22.60	
10	64QAM	1	25	22.47	22.55	22.55	23.5
10	64QAM	1	49	22.39	22.51	22.51	
10	64QAM	25	0	22.32	22.25	22.34	
10	64QAM	25	12	22.23	22.13	22.23	23.5
10	64QAM	25	25	22.19	22.08	22.15	
10	64QAM	50	0	22.13	21.97	22.08	
10	256QAM	1	0	18.64	18.69	18.62	19.5
10	256QAM	1	25	18.59	18.60	18.59	
10	256QAM	1	49	18.56	18.52	18.57	
10	256QAM	25	0	17.78	17.90	17.74	18.5
10	256QAM	25	12	17.72	17.85	17.66	
10	256QAM	25	25	17.67	17.75	17.57	
10	256QAM	50	0	17.64	17.73	17.48	Tune-up limit (dBm)
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	24.01	24.10	24.04	
5	QPSK	1	12	23.93	24.01	23.96	24.5
5	QPSK	1	24	23.90	23.97	23.93	
5	QPSK	12	0	22.99	23.01	22.97	
5	QPSK	12	7	22.91	22.91	22.94	23.5
5	QPSK	12	13	22.82	22.86	22.91	
5	QPSK	25	0	22.74	22.75	22.89	
5	16QAM	1	0	22.59	22.65	22.57	23.5
5	16QAM	1	12	22.55	22.59	22.50	
5	16QAM	1	24	22.52	22.56	22.49	
5	16QAM	12	0	22.41	22.37	22.33	23.5
5	16QAM	12	7	22.39	22.30	22.27	
5	16QAM	12	13	22.29	22.23	22.24	
5	16QAM	25	0	22.22	22.19	22.19	23.5
5	64QAM	1	0	22.45	22.54	22.55	
5	64QAM	1	12	22.42	22.50	22.50	
5	64QAM	1	24	22.34	22.46	22.46	23.5
5	64QAM	12	0	22.27	22.20	22.29	
5	64QAM	12	7	22.18	22.08	22.18	
5	64QAM	12	13	22.14	22.03	22.10	23.5
5	64QAM	25	0	22.08	21.92	22.03	
5	256QAM	1	0	18.59	18.64	18.57	
5	256QAM	1	12	18.54	18.55	18.54	19.5
5	256QAM	1	24	18.51	18.47	18.52	
5	256QAM	12	0	17.73	17.85	17.69	
5	256QAM	12	7	17.67	17.80	17.61	18.5
5	256QAM	12	13	17.62	17.70	17.52	
5	256QAM	25	0	17.59	17.68	17.43	
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.97	24.06	24.00	24.5
3	QPSK	1	8	23.89	23.97	23.92	
3	QPSK	1	14	23.86	23.93	23.89	
3	QPSK	8	0	22.95	22.97	22.93	23.5
3	QPSK	8	4	22.87	22.87	22.90	
3	QPSK	8	7	22.78	22.82	22.87	
3	QPSK	15	0	22.70	22.71	22.85	23
3	16QAM	1	0	22.55	22.61	22.53	
3	16QAM	1	8	22.51	22.55	22.46	
3	16QAM	1	14	22.48	22.52	22.45	23
3	16QAM	8	0	22.37	22.33	22.29	
3	16QAM	8	4	22.35	22.26	22.23	
3	16QAM	8	7	22.25	22.19	22.20	23
3	16QAM	15	0	22.18	22.15	22.15	
3	64QAM	1	0	22.41	22.50	22.51	
3	64QAM	1	8	22.38	22.46	22.46	23
3	64QAM	1	14	22.30	22.42	22.42	
3	64QAM	8	0	22.23	22.16	22.25	
3	64QAM	8	4	22.14	22.04	22.14	19
3	64QAM	8	7	22.10	21.99	22.06	
3	64QAM	15	0	22.04	21.88	21.99	
3	256QAM	1	0	18.55	18.60	18.53	18
3	256QAM	1	8	18.50	18.51	18.50	
3	256QAM	1	14	18.47	18.43	18.48	
3	256QAM	8	0	17.69	17.81	17.65	18
3	256QAM	8	4	17.63	17.76	17.57	
3	256QAM	8	7	17.58	17.66	17.48	
3	256QAM	15	0	17.55	17.64	17.39	Tune-up limit (dBm)
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)
1.4	QPSK	1	0	23.94	24.03	23.97	
1.4	QPSK	1	3	23.86	23.94	23.89	24.5
1.4	QPSK	1	5	23.83	23.90	23.86	
1.4	QPSK	3	0	22.92	22.94	22.90	
1.4	QPSK	3	1	22.84	22.84	22.87	23.5
1.4	QPSK	3	3	22.75	22.79	22.84	
1.4	QPSK	6	0	22.67	22.68	22.82	
1.4	16QAM	1	0	22.52	22.58	22.50	Tune-up limit (dBm)
Channel				20407	20525	20643	

LTE Band 13(Reduced Power Level 4)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0	22.53			23
10	QPSK	1	25	22.43			
10	QPSK	1	49	22.32			
10	QPSK	25	0	21.50			22
10	QPSK	25	12	21.39			
10	QPSK	25	25	21.35			
10	QPSK	50	0	21.24			22
10	16QAM	1	0	21.24			
10	16QAM	1	25	21.21			
10	16QAM	1	49	21.19			21.5
10	16QAM	25	0	20.77			
10	16QAM	25	12	20.70			
10	16QAM	25	25	20.63			21.5
10	16QAM	50	0	20.55			
10	64QAM	1	0	21.19			
10	64QAM	1	25	21.13			21.5
10	64QAM	1	49	21.09			
10	64QAM	25	0	20.85			21.5
10	64QAM	25	12	20.82			
10	64QAM	25	25	20.75			
10	64QAM	50	0	20.70			18
10	256QAM	1	0	17.13			
10	256QAM	1	25	17.08			
10	256QAM	1	49	17.05			17
10	256QAM	25	0	16.36			
10	256QAM	25	12	16.27			
10	256QAM	25	25	16.18			
10	256QAM	50	0	16.08			Tune-up limit (dBm)
Channel				23205	23230	23255	
Frequency (MHz)				779.5	782	784.5	Tune-up limit (dBm)
5	QPSK	1	0	22.46	22.61	22.55	
5	QPSK	1	12	22.39	22.51	22.45	
5	QPSK	1	24	22.24	22.37	22.30	
5	QPSK	12	0	21.45	21.57	21.44	22
5	QPSK	12	7	21.31	21.45	21.38	
5	QPSK	12	13	21.29	21.43	21.38	
5	QPSK	25	0	21.16	21.30	21.22	22
5	16QAM	1	0	21.18	21.31	21.25	
5	16QAM	1	12	21.16	21.29	21.20	
5	16QAM	1	24	21.08	21.25	21.17	21.5
5	16QAM	12	0	20.70	20.85	20.78	
5	16QAM	12	7	20.68	20.75	20.75	
5	16QAM	12	13	20.57	20.69	20.64	22
5	16QAM	25	0	20.49	20.62	20.53	
5	64QAM	1	0	21.21	21.27	21.19	
5	64QAM	1	12	21.03	21.21	21.09	21.5
5	64QAM	1	24	21.05	21.15	21.10	
5	64QAM	12	0	20.81	20.92	20.85	
5	64QAM	12	7	20.76	20.90	20.81	18
5	64QAM	12	13	20.71	20.81	20.74	
5	64QAM	25	0	20.62	20.77	20.69	
5	256QAM	1	0	17.07	17.21	17.13	17
5	256QAM	1	12	17.02	17.15	17.11	
5	256QAM	1	24	17.00	17.11	17.06	
5	256QAM	12	0	16.26	16.44	16.37	17
5	256QAM	12	7	16.19	16.33	16.27	
5	256QAM	12	13	16.13	16.27	16.22	
5	256QAM	25	0	16.09	16.15	16.07	

1.4	16QAM	1	3	22.48	22.52	22.43	23
1.4	16QAM	1	5	22.45	22.49	22.42	
1.4	16QAM	3	0	22.34	22.30	22.26	
1.4	16QAM	3	1	22.32	22.23	22.20	
1.4	16QAM	3	3	22.22	22.16	22.17	
1.4	16QAM	6	0	22.15	22.12	22.12	23
1.4	64QAM	1	0	22.38	22.47	22.48	23
1.4	64QAM	1	3	22.35	22.43	22.43	
1.4	64QAM	1	5	22.27	22.39	22.39	
1.4	64QAM	3	0	22.20	22.13	22.22	
1.4	64QAM	3	1	22.11	22.01	22.11	
1.4	64QAM	3	3	22.07	21.96	22.03	22.5
1.4	64QAM	6	0	22.01	21.85	21.96	
1.4	256QAM	1	0	18.52	18.57	18.50	19
1.4	256QAM	1	3	18.47	18.48	18.47	
1.4	256QAM	1	5	18.44	18.40	18.45	
1.4	256QAM	3	0	17.66	17.78	17.62	
1.4	256QAM	3	1	17.60	17.73	17.54	
1.4	256QAM	3	3	17.55	17.63	17.45	18
1.4	256QAM	6	0	17.52	17.61	17.36	

LTE Band 66(Reduced Power Level 4)

BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	11.02	11.05	11.00	11.5
20	QPSK	1	49	10.97	11.01	10.95	
20	QPSK	1	99	10.89	10.98	10.89	
20	QPSK	50	0	9.96	10.11	9.98	10.5
20	QPSK	50	24	9.90	10.01	9.94	
20	QPSK	50	50	9.86	9.95	9.85	
20	QPSK	100	0	9.81	9.86	9.84	10.5
20	16QAM	1	0	10.05	10.09	10.07	
20	16QAM	1	49	9.98	10.06	9.99	
20	16QAM	1	99	9.89	10.00	9.89	10.5
20	16QAM	50	0	9.86	9.88	9.86	
20	16QAM	50	24	9.83	9.87	9.82	
20	16QAM	50	50	9.75	9.79	9.73	10.5
20	16QAM	100	0	9.69	9.70	9.65	
20	64QAM	1	0	9.85	10.00	9.93	
20	64QAM	1	49	9.82	9.99	9.90	10.5
20	64QAM	1	99	9.75	9.97	9.84	
20	64QAM	50	0	9.78	9.82	9.86	
20	64QAM	50	24	9.76	9.77	9.83	10.5
20	64QAM	50	50	9.71	9.71	9.80	
20	64QAM	100	0	9.61	9.69	9.76	
20	256QAM	1	0	5.68	5.78	5.74	6.5
20	256QAM	1	49	5.66	5.75	5.64	
20	256QAM	1	99	5.56	5.74	5.53	
20	256QAM	50	0	5.19	5.30	5.25	6
20	256QAM	50	24	5.17	5.26	5.18	
20	256QAM	50	50	5.14	5.16	5.16	
20	256QAM	100	0	5.10	5.07	5.12	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	10.90	10.93	10.88	11.5
15	QPSK	1	37	10.85	10.89	10.83	
15	QPSK	1	74	10.77	10.86	10.77	
15	QPSK	36	0	9.84	9.99	9.86	10.5
15	QPSK	36	20	9.78	9.89	9.82	
15	QPSK	36	39	9.74	9.83	9.73	
15	QPSK	75	0	9.69	9.74	9.72	10.5
15	16QAM	1	0	9.93	9.97	9.95	
15	16QAM	1	37	9.86	9.94	9.87	
15	16QAM	1	74	9.77	9.88	9.77	10.5
15	16QAM	36	0	9.74	9.76	9.74	
15	16QAM	36	20	9.71	9.75	9.70	
15	16QAM	36	39	9.63	9.67	9.61	10.5
15	16QAM	75	0	9.57	9.58	9.53	
15	64QAM	1	0	9.73	9.88	9.81	
15	64QAM	1	37	9.70	9.87	9.78	10.5
15	64QAM	1	74	9.63	9.85	9.72	
15	64QAM	36	0	9.66	9.70	9.74	
15	64QAM	36	20	9.64	9.65	9.71	10.5
15	64QAM	36	39	9.59	9.59	9.68	
15	64QAM	75	0	9.49	9.57	9.64	
15	256QAM	1	0	5.56	5.66	5.62	6.5
15	256QAM	1	37	5.54	5.63	5.52	
15	256QAM	1	74	5.44	5.62	5.41	
15	256QAM	36	0	5.07	5.18	5.13	6
15	256QAM	36	20	5.05	5.14	5.06	
15	256QAM	36	39	5.02	5.04	5.04	
15	256QAM	75	0	4.98	4.95	5.00	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	10.78	10.81	10.76	11.5
10	QPSK	1	25	10.73	10.77	10.71	
10	QPSK	1	49	10.65	10.74	10.65	
10	QPSK	25	0	9.72	9.87	9.74	10.5
10	QPSK	25	12	9.66	9.77	9.70	
10	QPSK	25	25	9.62	9.71	9.61	
10	QPSK	50	0	9.57	9.62	9.60	10.5
10	16QAM	1	0	9.81	9.85	9.83	
10	16QAM	1	25	9.74	9.82	9.75	
10	16QAM	1	49	9.65	9.76	9.65	10
10	16QAM	25	0	9.62	9.64	9.62	
10	16QAM	25	12	9.59	9.63	9.58	
10	16QAM	25	25	9.51	9.55	9.49	10.5
10	16QAM	50	0	9.45	9.46	9.41	
10	64QAM	1	0	9.61	9.76	9.69	
10	64QAM	1	25	9.58	9.75	9.66	10
10	64QAM	1	49	9.51	9.73	9.60	
10	64QAM	25	0	9.54	9.58	9.62	
10	64QAM	25	12	9.52	9.53	9.59	6
10	64QAM	25	25	9.47	9.47	9.56	
10	64QAM	50	0	9.37	9.45	9.52	
10	256QAM	1	0	5.44	5.54	5.50	5.5
10	256QAM	1	25	5.42	5.51	5.40	
10	256QAM	1	49	5.32	5.50	5.29	
10	256QAM	25	0	4.95	5.06	5.01	5.5
10	256QAM	25	12	4.93	5.02	4.94	
10	256QAM	25	25	4.90	4.92	4.92	
10	256QAM	50	0	4.86	4.83	4.88	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	10.67	10.70	10.65	11.5
5	QPSK	1	12	10.62	10.66	10.60	
5	QPSK	1	24	10.54	10.63	10.54	
5	QPSK	12	0	9.61	9.76	9.63	10.5
5	QPSK	12	7	9.55	9.66	9.59	
5	QPSK	12	13	9.51	9.60	9.50	
5	QPSK	25	0	9.46	9.51	9.49	
5	16QAM	1	0	9.70	9.74	9.72	

5	16QAM	1	12	9.63	9.71	9.64	10.5
5	16QAM	1	24	9.54	9.65	9.54	
5	16QAM	12	0	9.51	9.53	9.51	
5	16QAM	12	7	9.48	9.52	9.47	10
5	16QAM	12	13	9.40	9.44	9.38	
5	16QAM	25	0	9.34	9.35	9.30	
5	64QAM	1	0	9.50	9.65	9.58	10
5	64QAM	1	12	9.47	9.64	9.55	
5	64QAM	1	24	9.40	9.62	9.49	
5	64QAM	12	0	9.43	9.47	9.51	10
5	64QAM	12	7	9.41	9.42	9.48	
5	64QAM	12	13	9.36	9.36	9.45	
5	64QAM	25	0	9.26	9.34	9.41	
5	256QAM	1	0	5.33	5.43	5.39	6
5	256QAM	1	12	5.31	5.40	5.29	
5	256QAM	1	24	5.21	5.39	5.18	
5	256QAM	12	0	4.84	4.95	4.90	5.5
5	256QAM	12	7	4.82	4.91	4.83	
5	256QAM	12	13	4.79	4.81	4.81	
5	256QAM	25	0	4.75	4.72	4.77	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	10.57	10.60	10.55	11
3	QPSK	1	8	10.52	10.56	10.50	
3	QPSK	1	14	10.44	10.53	10.44	
3	QPSK	8	0	9.51	9.66	9.53	10
3	QPSK	8	4	9.45	9.56	9.49	
3	QPSK	8	7	9.41	9.50	9.40	
3	QPSK	15	0	9.36	9.41	9.39	
3	16QAM	1	0	9.60	9.64	9.62	10
3	16QAM	1	8	9.53	9.61	9.54	
3	16QAM	1	14	9.44	9.55	9.44	
3	16QAM	8	0	9.41	9.43	9.41	10
3	16QAM	8	4	9.38	9.42	9.37	
3	16QAM	8	7	9.30	9.34	9.28	
3	16QAM	15	0	9.24	9.25	9.20	
3	64QAM	1	0	9.40	9.55	9.48	10
3	64QAM	1	8	9.37	9.54	9.45	
3	64QAM	1	14	9.30	9.52	9.39	
3	64QAM	8	0	9.33	9.37	9.41	10
3	64QAM	8	4	9.31	9.32	9.38	
3	64QAM	8	7	9.26	9.26	9.35	
3	64QAM	15	0	9.16	9.24	9.31	
3	256QAM	1	0	5.23	5.33	5.29	6
3	256QAM	1	8	5.21	5.30	5.19	
3	256QAM	1	14	5.11	5.29	5.08	
3	256QAM	8	0	4.74	4.85	4.80	5.5
3	256QAM	8	4	4.72	4.81	4.73	
3	256QAM	8	7	4.69	4.71	4.71	
3	256QAM	15	0	4.65	4.62	4.67	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	10.46	10.49	10.44	11
1.4	QPSK	1	3	10.41	10.45	10.39	
1.4	QPSK	1	5	10.33	10.42	10.33	
1.4	QPSK	3	0	9.40	9.55	9.42	
1.4	QPSK	3	1	9.34	9.45	9.38	
1.4	QPSK	3	3	9.30	9.39	9.29	
1.4	QPSK	6	0	9.25	9.30	9.28	10
1.4	16QAM	1	0	9.49	9.53	9.51	10
1.4	16QAM	1	3	9.42	9.50	9.43	
1.4	16QAM	1	5	9.33	9.44	9.33	
1.4	16QAM	3	0	9.30	9.32	9.30	
1.4	16QAM	3	1	9.27	9.31	9.26	
1.4	16QAM	3	3	9.19	9.23	9.17	
1.4	16QAM	6	0	9.13	9.14	9.09	9.5
1.4	64QAM	1	0	9.29	9.44	9.37	10
1.4	64QAM	1	3	9.26	9.43	9.34	
1.4	64QAM	1	5	9.19	9.41	9.28	
1.4	64QAM	3	0	9.22	9.26	9.30	
1.4	64QAM	3	1	9.20	9.21	9.27	
1.4	64QAM	3	3	9.15	9.15	9.24	
1.4	64QAM	6	0	9.05	9.13	9.20	9.5
1.4	256QAM	1	0	5.12	5.22	5.18	6
1.4	256QAM	1	3	5.10	5.19	5.08	
1.4	256QAM	1	5	5.00	5.18	4.97	
1.4	256QAM	3	0	4.63	4.74	4.69	
1.4	256QAM	3	1	4.61	4.70	4.62	
1.4	256QAM	3	3	4.58	4.60	4.60	
1.4	256QAM	6	0	4.54	4.51	4.56	5

LTE Band 48(Reduced Power Level 4)

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Middle-Low Channel	Middle-Low Channel	Middle-High Channel	High Channel	Tune-up limit (dBm)
Channel				55340	55830	55990	56150	56640	
Frequency (MHz)				3560	3609	3625	3641	3690	
20	QPSK	1	0	8.01	7.97	8.11	8.04	8.01	8.5
20	QPSK	1	49	7.83	7.85	7.91	7.86	7.78	
20	QPSK	1	99	7.80	7.76	7.70	7.88	7.89	
20	QPSK	50	0	6.90	6.91	7.01	6.96	6.89	7.5
20	QPSK	50	24	6.80	6.85	6.85	6.86	6.87	
20	QPSK	50	50	6.86	6.82	6.96	6.76	6.83	
20	QPSK	100	0	6.83	6.86	6.82	6.91	6.73	7.5
20	16QAM	1	0	7.01	6.89	6.91	6.81	6.96	
20	16QAM	1	49	6.88	6.76	6.76	6.96	6.87	
20	16QAM	1	99	6.90	6.91	6.80	6.77	6.79	7.5
20	16QAM	50	0	6.85	6.89	6.83	6.70	6.60	
20	16QAM	50	24	6.79	6.80	6.75	6.68	6.63	
20	16QAM	50	50	6.71	6.73	6.88	6.87	6.76	7.5
20	16QAM	100	0	6.82	6.91	6.93	6.88	6.73	
20	64QAM	1	0	7.10	7.05	6.98	7.05	6.91	7.5
20	64QAM	1	49	7.07	6.94	7.15	6.91	6.90	
20	64QAM	1	99	7.00	7.20	7.09	7.00	6.88	
20	64QAM	50	0	6.04	6.16	6.32	6.20	6.14	6.5
20	64QAM	50	24	6.06	5.88	5.92	5.92	6.24	
20	64QAM	50	50	6.12	6.03	5.90	5.76	6.03	
20	64QAM	100	0	5.92	5.82	6.03	6.04	5.91	3
20	256QAM	1	0	2.25	2.03	2.02	2.11	2.32	
20	256QAM	1	49	2.06	1.91	2.10	2.38	2.00	
20	256QAM	1	99	1.96	2.25	2.12	2.21	2.12	2.5
20	256QAM	50	0	1.91	1.81	1.91	2.06	1.91	
20	256QAM	50	24	1.85	1.90	1.82	1.72	1.81	
20	256QAM	50	50	1.81	1.79	1.96	1.58	1.91	2.5
20	256QAM	100	0	1.59	1.72	1.65	1.70	2.00	
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	7.90	7.86	8.00	7.93	7.90	8.5
15	QPSK	1	37	7.72	7.74	7.80	7.75	7.67	
15	QPSK	1	74	7.69	7.65	7.59	7.77	7.78	
15	QPSK	36	0	6.79	6.80	6.90	6.85	6.78	7.5
15	QPSK	36	20	6.69	6.74	6.74	6.75	6.76	
15	QPSK	36	39	6.75	6.71	6.85	6.65	6.72	
15	QPSK	75	0	6.72	6.75	6.71	6.80	6.62	7.5
15	16QAM	1	0	6.90	6.78	6.80	6.70	6.85	
15	16QAM	1	37	6.77	6.65	6.65	6.85	6.76	
15	16QAM	1	74	6.79	6.80	6.69	6.66	6.68	7.5
15	16QAM	36	0	6.74	6.78	6.72	6.59	6.49	
15	16QAM	36	20	6.68	6.69	6.64	6.57	6.52	
15	16QAM	36	39	6.60	6.62	6.77	6.76	6.65	7.5
15	16QAM	75	0	6.71	6.80	6.82	6.77	6.62	
15	64QAM	1	0	6.99	6.94	6.87	6.94	6.80	
15	64QAM	1	37	6.96	6.83	7.04	6.80	6.79	7.5
15	64QAM	1	74	6.89	7.09	6.98	6.89	6.77	
15	64QAM	36	0	5.93	6.05	6.21	6.09	6.03	
15	64QAM	36	20	5.95	5.77	5.81	5.81	6.13	6.5
15	64QAM	36	39	6.01	5.92	5.79	5.65	5.92	
15	64QAM	75	0	5.81	5.71	5.92	5.93	5.80	
15	256QAM	1	0	2.14	1.92	1.91	2.00	2.21	3
15	256QAM	1	37	1.95	1.80	1.99	2.27	1.89	
15	256QAM	1	74	1.85	2.14	2.01	2.10	2.01	
15	256QAM	36	0	1.80	1.70	1.80	1.95	1.80	2.5
15	256QAM	36	20	1.74	1.79	1.71	1.61	1.70	
15	256QAM	36	39	1.70	1.68	1.85	1.47	1.80	
15	256QAM	75	0	1.48	1.61	1.54	1.59	1.89	Tune-up limit (dBm)
Channel				55290	55815	55990	56165	56690	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	Tune-up limit (dBm)
10	QPSK	1	0	7.80	7.76	7.90	7.83	7.80	
10	QPSK	1	25	7.62	7.64	7.70	7.65	7.57	8.5
10	QPSK	1	49	7.59	7.55	7.53	7.67	7.68	
10	QPSK	25	0	6.69	6.70	6.80	6.75	6.72	7.5
10	QPSK	25	12	6.59	6.64	6.64	6.65	6.66	
10	QPSK	25	25	6.65	6.61	6.75	6.55	6.62	
10	QPSK	50	0	6.62	6.65	6.61	6.70	6.52	7.5
10	16QAM	1	0	6.80	6.68	6.70	6.60	6.75	
10	16QAM	1	25	6.67	6.55	6.55	6.75	6.66	
10	16QAM	1	49	6.69	6.70	6.59	6.56	6.58	7.5
10	16QAM	25	0	6.64	6.68	6.62	6.49	6.39	
10	16QAM	25	12	6.58	6.59	6.54	6.47	6.42	
10	16QAM	25	25	6.50	6.52	6.67	6.66	6.55	7.5
10	16QAM	25	25	6.50	6.52	6.67	6.66	6.55	

10	16QAM	50	0	6.61	6.70	6.72	6.67	6.52	7.5
10	64QAM	1	0	6.89	6.84	6.77	6.84	6.70	
10	64QAM	1	25	6.86	6.73	6.94	6.70	6.69	
10	64QAM	1	49	6.79	6.99	6.88	6.79	6.67	
10	64QAM	25	0	5.83	5.95	6.11	5.99	5.93	6.5
10	64QAM	25	12	5.85	5.67	5.71	5.71	6.03	
10	64QAM	25	25	5.91	5.82	5.69	5.55	5.82	
10	64QAM	50	0	5.71	5.61	5.82	5.83	5.70	
10	256QAM	1	0	2.04	1.82	1.81	1.90	2.11	3
10	256QAM	1	25	1.85	1.70	1.89	2.17	1.79	
10	256QAM	1	49	1.75	2.04	1.91	2.00	1.91	
10	256QAM	25	0	1.70	1.60	1.70	1.85	1.70	
10	256QAM	25	12	1.64	1.69	1.61	1.51	1.60	2.5
10	256QAM	25	25	1.60	1.58	1.75	1.58	1.70	
10	256QAM	50	0	1.55	1.51	1.42	1.49	1.79	
Channel				55265	55810	55990	56170	56175	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	7.68	7.64	7.78	7.71	7.68	8.5
5	QPSK	1	12	7.50	7.52	7.58	7.53	7.45	
5	QPSK	1	24	7.47	7.43	7.37	7.55	7.56	
5	QPSK	12	0	6.57	6.58	6.68	6.63	6.56	
5	QPSK	12	7	6.47	6.52	6.52	6.53	6.54	7
5	QPSK	12	13	6.53	6.49	6.63	6.43	6.50	
5	QPSK	25	0	6.50	6.53	6.49	6.58	6.40	
5	16QAM	1	0	6.68	6.56	6.58	6.48	6.63	
5	16QAM	1	12	6.55	6.43	6.43	6.63	6.54	7
5	16QAM	1	24	6.57	6.58	6.47	6.44	6.46	
5	16QAM	12	0	6.52	6.56	6.50	6.37	6.27	
5	16QAM	12	7	6.46	6.47	6.42	6.35	6.30	
5	16QAM	12	13	6.38	6.40	6.55	6.54	6.43	7
5	16QAM	25	0	6.49	6.58	6.60	6.55	6.40	
5	64QAM	1	0	6.77	6.72	6.65	6.72	6.58	
5	64QAM	1	12	6.74	6.61	6.82	6.58	6.57	
5	64QAM	1	24	6.67	6.87	6.76	6.67	6.55	6.5
5	64QAM	12	0	5.71	5.83	5.99	5.87	5.81	
5	64QAM	12	7	5.73	5.55	5.59	5.59	5.91	
5	64QAM	12	13	5.79	5.70	5.57	5.43	5.70	
5	64QAM	25	0	5.59	5.49	5.70	5.71	5.58	2.5
5	256QAM	1	0	1.92	1.70	1.69	1.78	1.99	
5	256QAM	1	12	1.73	1.58	1.77	2.05	1.67	
5	256QAM	1	24	1.63	1.92	1.79	1.88	1.79	
5	256QAM	12	0	1.58	1.48	1.58	1.73	1.58	2
5	256QAM	12	7	1.52	1.57	1.49	1.39	1.48	
5	256QAM	12	13	1.48	1.46	1.63	1.25	1.58	
5	256QAM	25	0	1.26	1.39	1.32	1.37	1.67	

2.4GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 5	802.11a 8Mbps	CH 1	2412	9.20	9.5	9.5
		CH 6	2437	9.38	9.5	9.5
		CH 11	2462	9.17	9.5	9.5
	802.11g 8Mbps	CH 1	2412	9.25	9.5	9.5
		CH 6	2437	9.10	8.5	8.5
		CH 11	2462	8.90	8.5	8.5
	802.11n-HT20 MCS0	CH 1	2412	8.34	8.5	9.5
		CH 6	2437	8.12	8.5	9.5
		CH 11	2462	8.40	8.5	9.5
	802.11n-HT40 MCS0	CH 3	2422	8.40	8.5	9.5
		CH 6	2437	8.04	8.5	9.5
		CH 9	2452	8.02	8.5	9.5

5.2GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 5	802.11a 8Mbps	CH 36	5180	8.4	9.0	9
		CH 44	5200	8.27	8.5	9
		CH 48	5240	8.12	8.5	9
	802.11n-HT20 MCS0	CH 36	5180	8.31	8.5	9
		CH 44	5200	8.15	8.5	9
		CH 48	5240	7.82	8.5	9
	802.11n-HT40 MCS0	CH 36	5180	8.46	9.0	9
		CH 44	5200	8.42	9.0	9
		CH 48	5230	8.42	9.0	9
	802.11ac-VHT20 MCS0	CH 36	5180	8.34	9.0	9
		CH 44	5200	8.18	8.5	9
		CH 48	5240	7.85	8.5	9
	802.11ac-VHT40 MCS0	CH 36	5180	8.30	9.0	9
		CH 48	5230	8.45	9.0	9
		CH 42	5210	8.00	8.5	9

5GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.0GHz WLAN ANT 5	802.11a 8Mbps	CH 52	5260	8.46	7.0	7.5
		CH 60	5300	8.00	6.5	7.5
		CH 64	5300	8.40	7.0	7.5
	802.11n-HT20 MCS0	CH 52	5260	8.60	7.0	7.5
		CH 60	5300	8.11	6.5	7.5
		CH 64	5300	8.16	6.5	7.5
	802.11n-HT40 MCS0	CH 54	5270	6.60	7.0	7.5
		CH 62	5310	6.18	7.0	7.5
		CH 52	5260	8.66	7.0	7.5
	802.11ac-VHT20 MCS0	CH 52	5260	8.14	6.5	7.5
		CH 64	5300	8.10	6.5	7.5
		CH 54	5270	6.44	7.0	7.5
	802.11ac-VHT40 MCS0	CH 62	5310	6.57	7.0	7.5
		CH 58	5290	6.18	6.5	7.5
		CH 58	5290	6.18	6.5	7.5

5GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.0GHz WLAN ANT 5	802.11a 8Mbps	CH 100	5500	5.54	5.5	5
		CH 120	5580	5.05	5.5	5
		CH 144	5720	4.90	5.5	5
	802.11n-HT20 MCS0	CH 100	5500	5.15	5.5	5
		CH 120	5580	5.11	5.5	5
		CH 144	5720	5.04	5.5	5
	802.11n-HT40 MCS0	CH 102	5510	5.28	5.5	5
		CH 126	5630	5.02	5.5	5
		CH 142	5710	4.40	5.0	5
	802.11ac-VHT20 MCS0	CH 100	5500	5.18	5.5	5
		CH 120	5580	5.14	5.5	5
		CH 144	5720	5.07	5.5	5
	802.11ac-VHT40 MCS0	CH 102	5510	4.74	5.0	5
		CH 126	5630	4.61	5.0	5
		CH 142	5710	4.32	5.0	5
	802.11ac-VHT80 MCS0	CH 108	5530	4.05	5.0	5
		CH 122	5610	4.11	5.0	5
		CH 138	5690	4.03	5.0	5

5GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.0GHz WLAN ANT 5	802.11a MCS0	CH 149	5745	5.04	5.50	4.5
		CH 157	5785	5.07	5.50	4.5
		CH 165	5825	5.12	5.50	4.5
	802.11n-HT20 MCS0	CH 149	5745	5.18	5.50	4.5
		CH 157	5785	5.21	5.50	4.5
		CH 165	5825	5.24	5.50	4.5
	802.11n-HT40 MCS0	CH 151	5755	5.19	5.50	4.5
		CH 159	5795	5.47	6.00	4.5
		CH 167	5835	5.12	5.50	4.5
	802.11ac-VHT20 MCS0	CH 149	5745	5.06	5.50	4.5
		CH 157	5785	5.06	5.50	4.5
		CH 165	5825	5.15	5.50	4.5
	802.11ac-VHT40 MCS0	CH 151	5755	4.92	6.00	4.5
		CH 159	5795	4.30	5.00	4.5
		CH 155	5775	4.50	5.50	4.5

Reduced Power Level 5

2.4GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
2.4GHz WLAN ANT 5	802.11a 8Mbps	CH 1	2412	10.80	11.50	10
		CH 6	2437	10.94	11.50	10
		CH 11	2462	10.18	10.50	10
	802.11g 8Mbps	CH 1	2412	10.61	11.00	10
		CH 6	2437	10.87	11.50	10
		CH 11	2462	10.95	11.50	10
	802.11n-HT20 MCS0	CH 1	2412	10.67	11.50	10
		CH 6	2437	10.87	11.50	10
		CH 11	2462	10.33	11.00	10
	802.11n-HT40 MCS0	CH 3	2422	10.32	11.00	10
		CH 6	2437	10.35	11.00	10
		CH 9	2452	10.37	11.00	10

5.2GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.2GHz WLAN ANT 5	802.11a 8Mbps	CH 36	5180	4.69	5.00	4.5
		CH 44	5200	4.55	5.00	4.5
		CH 48	5240	4.51	5.00	4.5
	802.11n-HT20 MCS0	CH 36	5180	4.37	5.00	4.5
		CH 44	5200	4.21	4.50	4.5
		CH 48	5240	3.88	4.50	4.5
	802.11n-HT40 MCS0	CH 36	5180	5.28	5.50	4.5
		CH 48	5230	4.48	5.00	4.5
		CH 36	5180	4.40	5.00	4.5
	802.11ac-VHT20 MCS0	CH 44	5200	3.24	4.50	4.5
		CH 48	5240	3.91	4.50	4.5
		CH 36	5180	4.36	5.00	4.5
	802.11ac-VHT40 MCS0	CH 48	5230	4.51	5.00	4.5
		CH 42	5210	4.06	5.00	4.5
		CH 42	5210	4.06	5.00	4.5

5.3GHz WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.3GHz WLAN ANT 5	802.11a 8Mbps	CH 52	5260	3.58	4.00	4.5
		CH 60	5300	3.35	4.00	4.5
		CH 64	5300	3.68	4.00	4.5
	802.11n-HT20 MCS0	CH 52	5260	3.89	4.00	4.5
		CH 60	5300	3.37	4.00	4.5
		CH 64	5300	3.42	4.00	4.5
	802.11n-HT40 MCS0	CH 54	5270	3.86	4.50	4.5
		CH 62	5310	3.97	4.50	4.5
		CH 52	5260	3.92	4.50	4.5
	802.11ac-VHT20 MCS0	CH 52	5260	3.40	4.00	4.5
		CH 64	5300	3.45	4.00	4.5
		CH 54	5270	3.36	4.00	4.5
	802.11ac-VHT40 MCS0	CH 62	5310	3.37	4.00	4.5
		CH 58	5290	3.44	4.00	4.5
		CH 58	5290	3.44	4.00	4.5

5.5 WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.5 WLAN ANT 5	802.11a 8Mbps	CH 100	5500	4.73	5.50	5
		CH 120	5580	4.68	5.50	5
		CH 144	5720	4.78	5.50	5
	802.11n-HT20 MCS0	CH 100	5500	4.81	5.50	5
		CH 120	5580	5.08	5.50	5
		CH 144	5720	5.01	5.50	5
	802.11n-HT40 MCS0	CH 102	5510	5.12	5.50	5
		CH 126	5630	4.51	5.00	5
		CH 142	5710	4.66	5.00	5
	802.11ac-VHT20 MCS0	CH 100	5500	4.70	5.00	5
		CH 120	5580	4.66	5.00	5
		CH 144	5720	4.72	5.00	5
	802.11ac-VHT40 MCS0	CH 102	5510	4.71	5.50	5
		CH 126	5630	4.58	5.00	5
		CH 142	5710	4.29	5.00	5
	802.11ac-VHT80 MCS0	CH 108	5530	4.02	5.00	5
		CH 122	5610	4.17	5.00	5
		CH 138	5690	4.00	5.00	5

5.5 WLAN ANT 5

Mode	Channel	Frequency (MHz)	Average power (dBm)	Turn-Up Limit	Power Setting	Duty Cycle %
5.5 WLAN ANT 5	802.11a MCS0	CH 149	5745	5.09	5.50	5.5
		CH 157	5785	5.12	5.50	5.5
		CH 165	5825	5.17	5.50	5.5
	802.11n-HT20 MCS0	CH 149	5745	5.18	5.50	5.5
		CH 157	5785	5.26	5.50	5.5
		CH 165	5825	5.11	5.50	5.5
	802.11n-HT40 MCS0	CH 151	5755	5.18	5.50	5.5
		CH 159	5795	5.27	6.00	5.5
		CH 167	5835	5.10	5.50	5.5
	802.11ac-VHT20 MCS0	CH 149	5745	5.08	5.50	5.5
		CH 157	5785	5.08	5.50	5.5
		CH 165	5825	5.20	5.50	5.5
	802.11ac-VHT40 MCS0	CH 151	5755	4.57	5.00	5.5
		CH 159	5795	4.44	5.00	5.5
		CH 155	5775	4.95	5.50	5.5