



REPORT No.: SZ24100003S01

Annex E Conducted Power

Note:

Conducted power unit: dBm.

The target power was recorded in the manufacture document.

Full Power

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel	824.2	836.4	848.8		824.2	836.4	848.8	
Frequency (MHz)	824.2	836.4	848.8	33.50	23.42	23.46	23.45	24.50
GPRS 1 Tx slot	30.24	30.25	30.27	31.00	24.24	24.25	24.27	25.00
GPRS 2 Tx slots	28.38	28.39	28.35	29.00	24.12	24.13	24.09	24.74
GPRS 3 Tx slots	27.15	27.20	27.18	28.00	24.15	24.20	24.18	25.00
GPRS 4 Tx slots	25.70	25.71	25.67	26.50	16.70	16.71	16.67	17.50
EDGE 1 Tx slot	24.10	24.13	24.15	25.00	18.10	18.13	18.15	19.00
EDGE 2 Tx slots	22.69	22.74	22.85	23.50	18.43	18.48	18.59	19.24
EDGE 3 Tx slots	21.54	21.64	21.60	22.50	18.54	18.64	18.60	19.50
EDGE 4 Tx slots								
Mode		Max.	32.46			Max.	24.27	
Attenuator	Cable Loss : 0.6							
Date	1/12							

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel	1850.2	1860	1909.8		1850.2	1860	1909.8	
Frequency (MHz)	29.84	29.80	29.82	30.50	20.84	20.80	20.82	21.50
GPRS 1 Tx slot	27.20	27.24	27.23	28.00	21.20	21.24	21.23	22.00
GPRS 2 Tx slots	25.21	25.23	25.20	26.00	20.95	20.97	20.94	21.74
GPRS 3 Tx slots	24.15	24.18	24.14	25.00	21.15	21.18	21.14	22.00
GPRS 4 Tx slots	24.58	24.59	24.55	25.50	15.58	15.59	15.55	16.50
EDGE 1 Tx slot	23.15	23.20	23.17	24.00	17.15	17.20	17.17	18.00
EDGE 2 Tx slots	21.55	21.57	21.62	22.50	17.29	17.31	17.36	18.24
EDGE 3 Tx slots	20.41	20.52	20.55	21.50	17.41	17.52	17.55	18.50
EDGE 4 Tx slots								
Mode		Max.	29.84			Max.	21.24	
Attenuator	Cable Loss : 0.8							
Date	1/12							

Band	WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			Tune-up Limit (dBm)
	9262	9400	9538		1312	1413	1513		4132	4182	4233	
TX Channel	9662	9800	9938		1537	1638	1738		4357	4407	4458	
Rx Channel	1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
Frequency (MHz)	23.17	23.31	23.25	24.00	23.09	23.15	23.06	24.00	23.14	23.19	23.18	24.00
3GPP Rel 99 RMC 12.2Kbps	22.34	22.44	22.35	23.50	22.26	22.36	22.31	23.00	22.49	22.41	22.41	23.50
3GPP Rel 5 HSDPA Subtest-1	22.32	22.42	22.35	23.50	22.34	22.40	22.31	23.00	22.47	22.48	22.39	23.50
3GPP Rel 5 HSDPA Subtest-2	21.80	21.89	21.83	22.50	21.74	21.86	21.83	22.50	22.02	21.89	21.91	23.00
3GPP Rel 5 HSDPA Subtest-3	21.82	21.86	21.86	22.50	21.73	21.86	21.83	22.50	21.98	21.97	21.83	23.00
3GPP Rel 5 HSDPA Subtest-4	22.35	22.45	22.34	23.50	22.24	22.37	22.31	23.00	22.42	22.42	22.35	23.50
3GPP Rel 8 DC-HSDPA Subtest-1	22.34	22.43	22.34	23.50	22.21	22.35	22.31	23.00	22.45	22.40	22.37	23.50
3GPP Rel 8 DC-HSDPA Subtest-2	21.86	21.94	21.84	23.00	21.74	21.85	21.81	22.50	21.94	21.93	21.85	23.00
3GPP Rel 8 DC-HSDPA Subtest-3	21.88	21.92	21.83	23.00	21.71	21.83	21.82	22.50	21.91	21.88	21.86	23.00
3GPP Rel 6 HSDPA Subtest-1	22.36	22.42	22.31	23.50	22.22	22.40	22.40	23.50	22.41	22.37	22.30	23.50
3GPP Rel 6 HSDPA Subtest-2	21.84	21.99	21.81	23.00	21.66	21.83	21.93	23.50	21.96	21.93	21.87	23.00
3GPP Rel 6 HSDPA Subtest-3	22.38	22.39	22.28	23.50	22.77	22.33	22.53	23.50	22.56	22.42	22.39	23.50
3GPP Rel 6 HSDPA Subtest-4	22.35	22.43	22.34	23.50	22.24	22.33	22.44	23.50	22.43	22.42	22.34	23.50
3GPP Rel 6 HSDPA Subtest-5	22.35	22.44	22.29	23.50	22.19	22.35	22.48	23.50	22.48	22.45	22.41	23.50
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	22.30	22.34	22.37	23.50	22.25	22.38	22.36	23.00	22.48	22.45	22.43	23.50
Attenuator	Cable Loss			0.8	Cable Loss			0.8	Cable Loss			0.6
Mode		Max.	23.31			Max.	23.15			Max.	23.19	
Date	2024.1.12				2024.1.12				2024.1.12			

Band	WCDMA XIX			Tune-up Limit (dBm)
	312	338	363	
TX Channel	712	738	763	
Rx Channel	832.4	837.6	842.6	
Frequency (MHz)	23.16	23.23	23.18	24.00
3GPP Rel 99 RMC 12.2Kbps	22.41	22.38	22.29	23.00
3GPP Rel 5 HSDPA Subtest-1	22.39	22.37	22.30	23.00
3GPP Rel 5 HSDPA Subtest-2	21.99	21.98	21.85	22.50
3GPP Rel 5 HSDPA Subtest-3	21.92	21.93	21.84	22.50
3GPP Rel 5 HSDPA Subtest-4	22.39	22.38	22.36	23.00
3GPP Rel 8 DC-HSDPA Subtest-1	22.43	22.43	22.40	23.00
3GPP Rel 8 DC-HSDPA Subtest-2	22.01	21.97	21.88	22.50
3GPP Rel 8 DC-HSDPA Subtest-3	21.94	21.86	21.91	22.50
3GPP Rel 6 HSDPA Subtest-1	22.32	22.35	22.31	23.00
3GPP Rel 6 HSDPA Subtest-2	22.79	22.81	22.73	23.50
3GPP Rel 6 HSDPA Subtest-3	22.36	22.28	22.24	23.00
3GPP Rel 6 HSDPA Subtest-4	22.28	22.32	22.23	23.00
3GPP Rel 6 HSDPA Subtest-5	22.34	22.25	22.23	23.00
3GPP Rel 7 HSPA+ (16QAM) Subtest-1	22.30	22.28	22.19	23.00
Attenuator	Cable Loss			0.6
Mode		Max.	23.23	
Date	2024.1.12			

Band 2 (1900MHz Band) (dBm)							
Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	24.11	24.13	24.06	
20	QPSK	1	49	24.10	24.12	24.05	25
20	QPSK	1	99	24.02	24.09	24.06	
20	QPSK	50	0	23.16	23.28	23.17	
20	QPSK	50	24	23.20	23.14	23.12	24
20	QPSK	50	50	23.17	23.20	23.13	
20	QPSK	100	0	23.20	23.21	23.10	
20	16QAM	1	0	23.47	23.38	23.21	24
20	16QAM	1	49	23.35	23.44	23.39	
20	16QAM	1	99	23.45	23.22	23.49	
20	16QAM	50	0	22.39	22.34	22.38	23
20	16QAM	50	24	22.48	22.33	22.32	
20	16QAM	50	50	22.35	22.38	22.40	
20	16QAM	100	0	22.33	22.35	22.31	23
20	64QAM	1	0	22.43	22.57	22.52	
20	64QAM	1	49	22.46	22.50	22.40	
20	64QAM	1	99	22.56	22.44	22.26	23
20	64QAM	50	0	22.44	22.33	22.33	
20	64QAM	50	24	22.27	22.28	22.35	
20	64QAM	50	50	22.40	22.33	22.38	19.5
20	64QAM	100	0	22.32	22.35	22.34	
20	256QAM	1	0	18.47	18.62	18.57	
20	256QAM	1	49	18.50	18.55	18.45	19
20	256QAM	1	99	18.60	18.49	18.31	
20	256QAM	50	0	18.45	18.35	18.35	19
20	256QAM	50	24	18.28	18.30	18.37	
20	256QAM	50	50	18.41	18.35	18.40	
20	256QAM	100	0	18.33	18.37	18.36	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	24.06	24.08	24.01	25
15	QPSK	1	37	24.05	24.07	24.00	
15	QPSK	1	74	23.97	24.04	24.01	
15	QPSK	36	0	23.11	23.23	23.12	24
15	QPSK	36	20	23.15	23.09	23.07	
15	QPSK	36	39	23.12	23.15	23.08	
15	QPSK	75	0	23.15	23.16	23.05	24
15	16QAM	1	0	23.42	23.33	23.16	
15	16QAM	1	37	23.30	23.39	23.34	
15	16QAM	1	74	23.40	23.17	23.44	23
15	16QAM	36	0	22.34	22.29	22.33	
15	16QAM	36	20	22.43	22.28	22.27	
15	16QAM	36	39	22.30	22.33	22.35	23
15	16QAM	75	0	22.28	22.30	22.26	
15	64QAM	1	0	22.38	22.52	22.47	
15	64QAM	1	37	22.41	22.45	22.35	22
15	64QAM	1	74	22.51	22.39	22.21	
15	64QAM	36	0	22.39	22.28	22.28	
15	64QAM	36	20	22.22	22.23	22.30	19.5
15	64QAM	36	39	22.35	22.28	22.33	
15	64QAM	75	0	22.27	22.30	22.29	
15	256QAM	1	0	18.42	18.57	18.52	19
15	256QAM	1	37	18.45	18.50	18.40	
15	256QAM	1	74	18.55	18.44	18.26	
15	256QAM	36	0	18.40	18.30	18.30	19
15	256QAM	36	20	18.23	18.25	18.32	
15	256QAM	36	39	18.36	18.30	18.35	
15	256QAM	75	0	18.28	18.32	18.31	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	24.00	24.02	23.95	25
10	QPSK	1	25	23.99	24.01	23.94	
10	QPSK	1	49	23.91	23.98	23.95	
10	QPSK	25	0	23.05	23.17	23.06	24
10	QPSK	25	12	23.09	23.03	23.01	
10	QPSK	25	25	23.06	23.09	23.02	
10	QPSK	50	0	23.09	23.10	22.99	24
10	16QAM	1	0	23.36	23.27	23.10	
10	16QAM	1	25	23.24	23.33	23.28	
10	16QAM	1	49	23.34	23.11	23.38	23
10	16QAM	25	0	22.28	22.23	22.27	
10	16QAM	25	12	22.37	22.22	22.21	
10	16QAM	25	25	22.24	22.27	22.29	23
10	16QAM	50	0	22.22	22.24	22.20	
10	64QAM	1	0	22.32	22.46	22.41	
10	64QAM	1	25	22.35	22.39	22.29	22
10	64QAM	1	49	22.45	22.33	22.15	
10	64QAM	25	0	22.33	22.22	22.22	
10	64QAM	25	12	22.16	22.17	22.24	19.5
10	64QAM	25	25	22.29	22.22	22.27	
10	64QAM	50	0	22.21	22.24	22.23	
10	256QAM	1	0	18.36	18.51	18.46	19
10	256QAM	1	25	18.39	18.44	18.34	
10	256QAM	1	49	18.49	18.38	18.20	
10	256QAM	25	0	18.34	18.24	18.24	19
10	256QAM	25	12	18.17	18.19	18.26	
10	256QAM	25	25	18.30	18.24	18.29	
10	256QAM	50	0	18.22	18.26	18.25	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	23.97	23.99	23.92	25
5	QPSK	1	12	23.96	23.98	23.91	
5	QPSK	1	24	23.88	23.95	23.92	
5	QPSK	12	0	23.02	23.14	23.03	24
5	QPSK	12	7	23.06	23.00	22.98	
5	QPSK	12	13	23.03	23.06	22.99	
5	QPSK	25	0	23.06	23.07	22.96	24
5	16QAM	1	0	23.33	23.24	23.07	
5	16QAM	1	12	23.21	23.30	23.25	

Band 4 (AWS Band) (dBm)							
Part 27L (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	24.10	24.14	24.13	25
20	QPSK	1	49	24.04	24.05	24.06	
20	QPSK	1	99	23.96	23.98	24.01	
20	QPSK	50	0	23.15	23.21	23.08	24
20	QPSK	50	24	23.09	23.12	23.13	
20	QPSK	50	50	23.06	23.09	23.15	
20	QPSK	100	0	23.03	23.12	23.07	24
20	16QAM	1	0	22.76	23.01	23.07	
20	16QAM	1	49	23.01	23.07	22.92	
20	16QAM	1	99	23.08	23.07	23.18	23
20	16QAM	50	0	22.14	22.10	22.15	
20	16QAM	50	24	22.17	22.06	22.10	
20	16QAM	50	50	22.22	22.08	22.09	23
20	16QAM	100	0	22.14	22.13	22.11	
20	64QAM	1	0	22.26	22.20	22.24	23
20	64QAM	1	49	22.06	22.08	22.24	
20	64QAM	1	99	22.16	22.17	22.28	
20	64QAM	50	0	22.08	22.05	22.06	23
20	64QAM	50	24	22.07	22.09	22.22	
20	64QAM	50	50	22.11	22.08	22.26	
20	64QAM	100	0	22.09	22.06	22.17	19
20	256QAM	1	0	18.29	18.23	18.27	
20	256QAM	1	49	18.09	18.11	18.27	
20	256QAM	1	99	18.19	18.20	18.31	19
20	256QAM	50	0	18.11	18.08	18.09	
20	256QAM	50	24	18.10	18.12	18.25	
20	256QAM	50	50	18.14	18.11	18.29	19
20	256QAM	100	0	18.12	18.09	18.20	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	24.04	24.08	24.07	25
15	QPSK	1	37	23.98	23.99	24.00	
15	QPSK	1	74	23.90	23.92	23.95	
15	QPSK	36	0	23.09	23.15	23.02	24
15	QPSK	36	20	23.03	23.06	23.07	
15	QPSK	36	39	23.00	23.03	23.09	
15	QPSK	75	0	22.97	23.06	23.01	24
15	16QAM	1	0	22.70	22.95	23.01	
15	16QAM	1	37	22.95	23.01	22.86	24
15	16QAM	1	74	23.02	23.01	23.12	
15	16QAM	36	0	22.08	22.04	22.09	23
15	16QAM	36	20	22.11	22.00	22.04	
15	16QAM	36	39	22.16	22.02	22.03	
15	16QAM	75	0	22.08	22.07	22.05	23
15	64QAM	1	0	22.20	22.14	22.18	
15	64QAM	1	37	22.00	22.02	22.18	
15	64QAM	1	74	22.10	22.11	22.22	23
15	64QAM	36	0	22.02	21.99	22.00	
15	64QAM	36	20	22.01	22.03	22.16	
15	64QAM	36	39	22.05	22.02	22.20	23
15	64QAM	75	0	22.03	22.00	22.11	
15	256QAM	1	0	18.23	18.17	18.21	
15	256QAM	1	37	18.03	18.05	18.21	19
15	256QAM	1	74	18.13	18.14	18.25	
15	256QAM	36	0	18.05	18.02	18.03	19
15	256QAM	36	20	18.04	18.06	18.19	
15	256QAM	36	39	18.08	18.05	18.23	
15	256QAM	75	0	18.06	18.03	18.14	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	23.99	24.03	24.02	25
10	QPSK	1	25	23.93	23.94	23.95	
10	QPSK	1	49	23.85	23.87	23.90	
10	QPSK	25	0	23.04	23.10	22.97	24
10	QPSK	25	12	22.98	23.01	23.02	
10	QPSK	25	25	22.95	22.98	23.04	
10	QPSK	50	0	22.92	23.01	22.96	24
10	16QAM	1	0	22.65	22.90	22.96	
10	16QAM	1	25	22.90	22.96	22.81	
10	16QAM	1	49	22.97	22.96	23.07	23
10	16QAM	25	0	22.03	21.99	22.04	
10	16QAM	25	12	22.06	21.95	21.99	
10	16QAM	25	25	22.11	21.97	21.98	23
10	16QAM	50	0	22.03	22.02	22.00	
10	64QAM	1	0	22.15	22.09	22.13	
10	64QAM	1	25	21.95	21.97	22.13	23
10	64QAM	1	49	22.05	22.06	22.17	
10	64QAM	25	0	21.97	21.94	21.95	
10	64QAM	25	12	21.96	21.98	22.11	23
10	64QAM	25	25	22.00	21.97	22.15	
10	64QAM	50	0	21.98	21.95	22.06	
10	256QAM	1	0	18.18	18.12	18.16	19
10	256QAM	1	25	17.96	18.00	18.16	
10	256QAM	1	49	18.08	18.09	18.20	
10	256QAM	25	0	18.00	17.97	17.98	19
10	256QAM	25	12	17.99	18.01	18.14	
10	256QAM	25	25	18.03	18.00	18.18	
10	256QAM	50	0	18.01	17.98	18.09	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	23.93	23.98	23.96	25
5	QPSK	1	12	23.87	23.87	23.89	
5	QPSK	1	24	23.79	23.81	23.84	
5	QPSK	12	0	22.98	23.04	22.91	24
5	QPSK	12	7	22.92	22.95	22.96	
5	QPSK	12	13	22.89	22.92	22.98	
5	QPSK	25	0	22.86	22.95	22.90	24
5	16QAM	1	0	22.59	22.84	22.90	
5	16QAM	1	12	22.84	22.90	22.75	

5	16QAM	1	24	23.31	23.08	23.35	23
5	16QAM	12	0	22.25	22.20	22.24	
5	16QAM	12	7	22.34	22.19	22.18	
5	16QAM	12	13	22.21	22.24	22.26	
5	16QAM	25	0	22.19	22.21	22.17	23
5	64QAM	1	0	22.29	22.43	22.38	
5	64QAM	1	12	22.32	22.36	22.26	
5	64QAM	1	24	22.42	22.30	22.12	
5	64QAM	12	0	22.30	22.19	22.19	22
5	64QAM	12	7	22.13	22.14	22.21	
5	64QAM	12	13	22.26	22.19	22.24	
5	64QAM	25	0	22.18	22.21	22.20	
5	256QAM	1	0	18.33	18.48	18.43	19.5
5	256QAM	1	12	18.36	18.41	18.31	
5	256QAM	1	24	18.46	18.35	18.17	
5	256QAM	12	0	18.31	18.21	18.21	
5	256QAM	12	7	18.14	18.16	18.23	19
5	256QAM	12	13	18.27	18.21	18.26	
5	256QAM	25	0	18.19	18.23	18.22	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	23.94	23.96	23.89	25
3	QPSK	1	8	23.93	23.95	23.88	
3	QPSK	1	14	23.85	23.92	23.89	
3	QPSK	8	0	22.99	23.11	23.00	
3	QPSK	8	4	23.03	22.97	22.95	24
3	QPSK	8	7	23.00	23.03	22.96	
3	QPSK	15	0	23.03	23.04	22.93	
3	16QAM	1	0	23.30	23.21	23.04	
3	16QAM	1	8	23.18	23.27	23.22	24
3	16QAM	1	14	23.28	23.05	23.32	
3	16QAM	8	0	22.22	22.17	22.21	
3	16QAM	8	4	22.31	22.16	22.15	
3	16QAM	8	7	22.18	22.21	22.23	23
3	16QAM	15	0	22.16	22.18	22.14	
3	64QAM	1	0	22.26	22.40	22.35	
3	64QAM	1	8	22.29	22.33	22.23	
3	64QAM	1	14	22.39	22.27	22.09	22
3	64QAM	8	0	22.27	22.16	22.16	
3	64QAM	8	4	22.10	22.11	22.18	
3	64QAM	8	7	22.23	22.16	22.21	
3	64QAM	15	0	22.15	22.18	22.17	19.5
3	256QAM	1	0	18.30	18.45	18.40	
3	256QAM	1	8	18.33	18.38	18.28	
3	256QAM	1	14	18.43	18.32	18.14	
3	256QAM	8	0	18.28	18.18	18.18	19
3	256QAM	8	4	18.11	18.13	18.20	
3	256QAM	8	7	18.24	18.18	18.23	
3	256QAM	15	0	18.16	18.20	18.19	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	23.90	23.92	23.85	25
1.4	QPSK	1	3	23.89	23.91	23.84	
1.4	QPSK	1	5	23.81	23.88	23.85	
1.4	QPSK	3	0	22.95	23.07	22.96	
1.4	QPSK	3	1	22.99	22.93	22.91	24
1.4	QPSK	3	3	22.96	22.99	22.92	
1.4	QPSK	6	0	22.99	23.00	22.89	
1.4	16QAM	1	0	23.26	23.17	23.00	
1.4	16QAM	1	3	23.14	23.23	23.18	24
1.4	16QAM	1	5	23.24	23.01	23.28	
1.4	16QAM	3	0	22.18	22.13	22.17	
1.4	16QAM	3	1	22.27	22.12	22.11	
1.4	16QAM	3	3	22.14	22.17	22.19	23
1.4	16QAM	6	0	22.12	22.14	22.10	
1.4	64QAM	1	0	22.22	22.36	22.31	
1.4	64QAM	1	3	22.25	22.29	22.19	
1.4	64QAM	1	5	22.35	22.23	22.05	23
1.4	64QAM	3	0	22.23	22.12	22.12	
1.4	64QAM	3	1	22.06	22.07	22.14	
1.4	64QAM	3	3	22.19	22.12	22.17	
1.4	64QAM	6	0	22.11	22.14	22.13	22
1.4	256QAM	1	0	18.26	18.41	18.36	
1.4	256QAM	1	3	18.29	18.34	18.24	
1.4	256QAM	1	5	18.39	18.28	18.10	
1.4	256QAM	3	0	18.24	18.14	18.14	19.5
1.4	256QAM	3	1	18.07	18.09	18.16	
1.4	256QAM	3	3	18.20	18.14	18.19	
1.4	256QAM	6	0	18.12	18.16	18.15	
1.4	256QAM	6	0	18.12	18.16	18.15	19

5	16QAM	1	24	22.91	22.90	23.01	23
5	16QAM	12	0	21.97	21.93	21.98	
5	16QAM	12	7	22.00	21.89	21.93	
5	16QAM	12	13	22.05	21.91	21.92	
5	16QAM	25	0	21.97	21.96	21.94	23
5	64QAM	1	0	22.09	22.03	22.07	
5	64QAM	1	12	21.89	21.91	22.07	
5	64QAM	1	24	21.99	22.00	22.11	
5	64QAM	12	0	21.91	21.88	21.89	23
5	64QAM	12	7	21.90	21.92	22.05	
5	64QAM	12	13	21.94	21.91	22.09	
5	64QAM	25	0	21.92	21.89	22.00	
5	256QAM	1	0	18.12	18.06	18.10	19
5	256QAM	1	12	17.92	17.94	18.10	
5	256QAM	1	24	18.02	18.03	18.14	
5	256QAM	12	0	17.94	17.91	17.92	
5	256QAM	12	7	17.93	17.95	18.08	19
5	256QAM	12	13	17.97	17.94	18.12	
5	256QAM	25	0	17.95	17.92	18.03	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	23.90	23.94	23.93	25
3	QPSK	1	8	23.84	23.85	23.86	
3	QPSK	1	14	23.76	23.78	23.81	
3	QPSK	8	0	22.95	23.01	22.88	
3	QPSK	8	4	22.89	22.92	22.93	24
3	QPSK	8	7	22.86	22.89	22.95	
3	QPSK	15	0	22.83	22.92	22.87	
3	16QAM	1	0	22.56	22.81	22.87	
3	16QAM	1	8	22.81	22.87	22.72	24
3	16QAM	1	14	22.88	22.87	22.98	
3	16QAM	8	0	21.94	21.90	21.95	
3	16QAM	8	4	21.97	21.86	21.90	
3	16QAM	8	7	22.02	21.88	21.89	23
3	16QAM	15	0	21.94	21.93	21.91	
3	64QAM	1	0	22.06	22.00	22.04	
3	64QAM	1	8	21.86	21.88	22.04	
3	64QAM	1	14	21.96	21.97	22.08	23
3	64QAM	8	0	21.88	21.85	21.86	
3	64QAM	8	4	21.87	21.89	22.02	
3	64QAM	8	7	21.91	21.88	22.06	
3	64QAM	15	0	21.89	21.86	21.97	19
3	256QAM	1	0	18.09	18.03	18.07	
3	256QAM	1	8	17.89	17.91	18.07	
3	256QAM	1	14	17.99	18.00	18.11	
3	256QAM	8	0	17.91	17.88	17.89	19
3	256QAM	8	4	17.90	17.92	18.05	
3	256QAM	8	7	17.90	17.91	18.09	
3	256QAM	15	0	17.92	17.89	18.00	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	23.84	23.88	23.87	25
1.4	QPSK	1	3	23.78	23.79	23.80	
1.4	QPSK	1	5	23.70	23.72	23.75	
1.4	QPSK	3	0	22.89	22.95	22.82	
1.4	QPSK	3	1	22.83	22.86	22.87	24
1.4	QPSK	3	3	22.80	22.83	22.89	
1.4	QPSK	6	0	22.77	22.86	22.81	
1.4	16QAM	1	0	22.50	22.75	22.81	
1.4	16QAM	1	3	22.75	22.81	22.66	24
1.4	16QAM	1	5	22.82	22.81	22.92	
1.4	16QAM	3	0	21.88	21.84	21.89	
1.4	16QAM	3	1	21.91	21.80	21.84	
1.4	16QAM	3	3	21.96	21.82	21.83	23
1.4	16QAM	6	0	21.88	21.87	21.85	
1.4	64QAM	1	0	22.00	21.94	21.98	
1.4	64QAM	1	3	21.80	21.82	21.98	
1.4	64QAM	1	5	21.90	21.91	22.02	23
1.4	64QAM	3	0	21.82	21.79	21.80	
1.4	64QAM	3	1	21.81	21.83	21.96	
1.4	64QAM	3	3	21.85	21.82	22.00	
1.4	64QAM	6	0	21.83	21.80	21.91	23
1.4	256QAM	1	0	18.03	17.97	18.01	
1.4	256QAM	1	3	17.83	17.85	18.01	
1.4	256QAM	1	5	17.93	17.94	18.05	
1.4	256QAM	3	0	17.85	17.82	17.83	19
1.4	256QAM	3	1	17.84	17.86	17.99	
1.4	256QAM	3	3	17.88	17.85	18.03	
1.4	256QAM	6	0	17.86	17.83	17.94	

Band 5 (Celluar Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	Tune-up limit (dBm)
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	24.08	24.09	24.01	25
10	QPSK	1	25	24.04	24.07	23.96	
10	QPSK	1	49	23.96	24.03	23.78	
10	QPSK	25	0	23.14	23.22	23.08	24
10	QPSK	25	12	23.21	23.18	23.13	
10	QPSK	25	25	23.13	23.09	23.12	
10	QPSK	50	0	23.02	23.04	23.01	24
10	16QAM	1	0	23.11	23.01	22.97	
10	16QAM	1	25	23.10	23.28	23.14	
10	16QAM	1	49	23.07	23.08	23.00	23
10	16QAM	25	0	22.06	21.97	21.94	
10	16QAM	25	12	21.98	21.94	21.91	
10	16QAM	25	25	22.06	22.02	21.97	23
10	16QAM	50	0	22.10	21.96	21.93	
10	64QAM	1	0	22.12	22.19	22.08	23
10	64QAM	1	25	21.99	21.97	22.03	
10	64QAM	1	49	22.14	21.94	22.10	
10	64QAM	25	0	22.09	22.02	21.97	23
10	64QAM	25	12	22.17	21.97	22.02	
10	64QAM	25	25	22.01	22.02	21.97	
10	64QAM	50	0	22.02	21.99	22.01	19
10	256QAM	1	0	18.16	18.23	18.12	
10	256QAM	1	25	18.03	18.01	18.07	
10	256QAM	1	49	18.18	17.98	18.14	19
10	256QAM	25	0	18.13	18.06	18.01	
10	256QAM	25	12	18.21	18.01	18.06	
10	256QAM	25	25	18.05	18.06	18.01	19
10	256QAM	50	0	18.06	18.03	18.05	
Channel				20425	20525	20625	Tune-up limit (dBm)
Frequency (MHz)				826.5	836.5	846.5	
5	QPSK	1	0	24.02	24.03	23.95	25
5	QPSK	1	12	23.98	24.01	23.90	
5	QPSK	1	24	23.90	23.97	23.72	
5	QPSK	12	0	23.08	23.16	23.02	24
5	QPSK	12	7	23.15	23.12	23.07	
5	QPSK	12	13	23.07	23.03	23.06	
5	QPSK	25	0	22.96	22.98	22.95	24
5	16QAM	1	0	23.05	22.95	22.91	
5	16QAM	1	12	23.04	23.22	23.08	
5	16QAM	1	24	23.01	23.02	22.94	23
5	16QAM	12	0	22.00	21.91	21.88	
5	16QAM	12	7	21.92	21.88	21.85	
5	16QAM	12	13	22.00	21.96	21.91	23
5	16QAM	25	0	22.04	21.90	21.87	
5	64QAM	1	0	22.06	22.13	22.02	
5	64QAM	1	12	21.93	21.91	21.97	23
5	64QAM	1	24	22.08	21.88	22.04	
5	64QAM	12	0	22.03	21.96	21.91	
5	64QAM	12	7	22.11	21.91	21.96	23
5	64QAM	12	13	21.95	21.96	21.91	
5	64QAM	25	0	21.96	21.93	21.95	
5	256QAM	1	0	18.10	18.17	18.06	19
5	256QAM	1	12	17.97	17.95	18.01	
5	256QAM	1	24	18.12	17.92	18.08	
5	256QAM	12	0	18.07	18.00	17.95	19
5	256QAM	12	7	18.15	17.95	18.00	
5	256QAM	12	13	17.99	18.00	17.95	
5	256QAM	25	0	18.00	17.97	17.99	25
Channel				20415	20525	20635	Tune-up limit (dBm)
Frequency (MHz)				825.5	836.5	847.5	
3	QPSK	1	0	23.97	23.98	23.90	25
3	QPSK	1	8	23.93	23.96	23.85	
3	QPSK	1	14	23.85	23.92	23.67	
3	QPSK	8	0	23.03	23.11	22.97	24
3	QPSK	8	4	23.10	23.07	23.02	
3	QPSK	8	7	23.02	22.98	23.01	
3	QPSK	15	0	22.91	22.93	22.90	24
3	16QAM	1	0	23.00	22.90	22.86	
3	16QAM	1	8	22.99	23.17	23.03	
3	16QAM	1	14	22.96	22.97	22.89	23
3	16QAM	8	0	21.95	21.86	21.83	
3	16QAM	8	4	21.87	21.83	21.80	
3	16QAM	8	7	21.95	21.91	21.86	23
3	16QAM	15	0	21.99	21.85	21.82	
3	64QAM	1	0	22.01	22.08	21.97	
3	64QAM	1	8	21.88	21.86	21.92	23
3	64QAM	1	14	22.03	21.83	21.99	
3	64QAM	8	0	21.98	21.91	21.86	
3	64QAM	8	4	22.06	21.86	21.91	23
3	64QAM	8	7	21.90	21.91	21.86	
3	64QAM	15	0	21.91	21.88	21.90	
3	256QAM	1	0	18.05	18.12	18.01	19
3	256QAM	1	8	17.92	17.90	17.96	
3	256QAM	1	14	18.07	17.87	18.03	
3	256QAM	8	0	18.02	17.95	17.90	19
3	256QAM	8	4	18.10	17.90	17.95	
3	256QAM	8	7	17.94	17.95	17.90	
3	256QAM	15	0	17.95	17.92	17.94	25
Channel				20407	20525	20643	Tune-up limit (dBm)
Frequency (MHz)				824.7	836.5	848.3	
1.4	QPSK	1	0	23.93	23.94	23.86	25
1.4	QPSK	1	3	23.89	23.92	23.81	
1.4	QPSK	1	5	23.81	23.88	23.63	
1.4	QPSK	3	0	22.99	23.07	22.93	24
1.4	QPSK	3	1	23.06	23.03	22.98	
1.4	QPSK	3	3	22.98	22.94	22.97	
1.4	QPSK	6	0	22.87	22.89	22.86	24
1.4	16QAM	1	0	22.96	22.86	22.82	
1.4	16QAM	1	3	22.95	23.13	22.99	

Band 7 (2600MHz Band) (dBm)							
Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel			20850	21100	21350		
Frequency (MHz)			2510	2535	2560		
20	QPSK	1	0	23.08	23.14	23.10	24
20	QPSK	1	49	23.00	23.07	23.12	
20	QPSK	1	99	23.11	23.12	23.13	
20	QPSK	50	0	22.21	22.34	22.33	23
20	QPSK	50	24	22.28	22.33	22.32	
20	QPSK	50	50	22.31	22.30	22.32	
20	QPSK	100	0	22.36	22.37	22.29	23
20	16QAM	1	0	22.22	22.16	22.21	
20	16QAM	1	49	22.29	22.28	22.20	
20	16QAM	1	99	22.30	22.35	22.31	22
20	16QAM	50	0	21.20	21.35	21.41	
20	16QAM	50	24	21.24	21.29	21.21	
20	16QAM	50	50	21.23	21.34	21.19	22
20	16QAM	100	0	21.22	21.27	21.32	
20	64QAM	1	0	21.25	21.29	21.33	
20	64QAM	1	49	21.29	21.35	21.10	22
20	64QAM	1	99	21.24	21.11	21.01	
20	64QAM	50	0	21.21	21.25	21.29	
20	64QAM	50	24	21.21	21.34	21.13	22
20	64QAM	50	50	21.18	21.33	21.27	
20	64QAM	100	0	21.26	21.25	21.15	
20	256QAM	1	0	17.29	17.33	17.37	18
20	256QAM	1	49	17.33	17.39	17.14	
20	256QAM	1	99	17.28	17.15	17.05	
20	256QAM	50	0	17.25	17.29	17.33	18
20	256QAM	50	24	17.25	17.38	17.17	
20	256QAM	50	50	17.22	17.37	17.31	
20	256QAM	100	0	17.30	17.29	17.19	
Channel			20825	21100	21375	Tune-up limit (dBm)	
Frequency (MHz)			2507.5	2535	2562.5		
15	QPSK	1	0	23.04	23.10	23.06	24
15	QPSK	1	37	22.96	23.03	23.08	
15	QPSK	1	74	23.07	23.08	23.09	
15	QPSK	36	0	22.17	22.30	22.29	23
15	QPSK	36	20	22.24	22.29	22.28	
15	QPSK	36	39	22.27	22.26	22.28	
15	QPSK	75	0	22.32	22.33	22.25	23
15	16QAM	1	0	22.18	22.12	22.17	
15	16QAM	1	37	22.25	22.24	22.16	
15	16QAM	1	74	22.26	22.31	22.27	22
15	16QAM	36	0	21.16	21.31	21.37	
15	16QAM	36	20	21.20	21.25	21.17	
15	16QAM	36	39	21.19	21.30	21.15	22
15	16QAM	75	0	21.18	21.23	21.28	
15	64QAM	1	0	21.21	21.25	21.29	
15	64QAM	1	37	21.25	21.31	21.06	22
15	64QAM	1	74	21.20	21.07	20.97	
15	64QAM	36	0	21.17	21.21	21.25	
15	64QAM	36	20	21.17	21.30	21.09	22
15	64QAM	36	39	21.14	21.29	21.23	
15	64QAM	75	0	21.22	21.21	21.11	
15	256QAM	1	0	17.25	17.29	17.33	18
15	256QAM	1	37	17.29	17.35	17.10	
15	256QAM	1	74	17.24	17.11	17.01	
15	256QAM	36	0	17.21	17.25	17.29	18
15	256QAM	36	20	17.21	17.34	17.13	
15	256QAM	36	39	17.18	17.33	17.27	
15	256QAM	75	0	17.26	17.25	17.15	
Channel			20800	21100	21400	Tune-up limit (dBm)	
Frequency (MHz)			2505	2535	2565		
10	QPSK	1	0	23.00	23.06	23.02	24
10	QPSK	1	25	22.92	22.99	23.04	
10	QPSK	1	49	23.03	23.04	23.05	
10	QPSK	25	0	22.13	22.26	22.25	23
10	QPSK	25	12	22.20	22.25	22.24	
10	QPSK	25	25	22.23	22.22	22.24	
10	QPSK	50	0	22.28	22.29	22.21	23
10	16QAM	1	0	22.14	22.08	22.13	
10	16QAM	1	25	22.21	22.20	22.12	
10	16QAM	1	49	22.22	22.27	22.23	22
10	16QAM	25	0	21.12	21.27	21.33	
10	16QAM	25	12	21.16	21.21	21.13	
10	16QAM	25	25	21.15	21.26	21.11	22
10	16QAM	50	0	21.14	21.19	21.24	
10	64QAM	1	0	21.17	21.21	21.25	
10	64QAM	1	25	21.21	21.27	21.02	22
10	64QAM	1	49	21.16	21.03	20.93	
10	64QAM	25	0	21.13	21.17	21.21	
10	64QAM	25	12	21.13	21.26	21.05	18
10	64QAM	25	25	21.10	21.25	21.19	
10	64QAM	50	0	21.18	21.17	21.07	
10	256QAM	1	0	17.21	17.25	17.29	18
10	256QAM	1	25	17.25	17.31	17.06	
10	256QAM	1	49	17.20	17.07	16.97	
10	256QAM	25	0	17.17	17.21	17.25	18
10	256QAM	25	12	17.17	17.30	17.09	
10	256QAM	25	25	17.14	17.29	17.23	
10	256QAM	50	0	17.22	17.21	17.11	
Channel			20775	21100	21425	Tune-up limit (dBm)	
Frequency (MHz)			2502.5	2535	2567.5		
5	QPSK	1	0	22.95	23.01	22.97	24
5	QPSK	1	12	22.87	22.94	22.99	
5	QPSK	1	24	22.98	22.99	23.00	
5	QPSK	12	0	22.08	22.21	22.20	23
5	QPSK	12	7	22.15	22.20	22.19	
5	QPSK	12	13	22.18	22.17	22.19	
5	QPSK	25	0	22.23	22.24	22.16	23
5	16QAM	1	0	22.09	22.03	22.08	
5	16QAM	1	12	22.16	22.15	22.07	



1.4	16QAM	1	5	22.92	22.93	22.85	24
1.4	16QAM	3	0	21.91	21.82	21.79	
1.4	16QAM	3	1	21.83	21.79	21.76	
1.4	16QAM	3	3	21.91	21.87	21.82	23
1.4	16QAM	6	0	21.95	21.81	21.78	
1.4	64QAM	1	0	21.97	22.04	21.93	
1.4	64QAM	1	3	21.84	21.82	21.88	23
1.4	64QAM	1	5	21.99	21.79	21.95	
1.4	64QAM	3	0	21.94	21.87	21.82	
1.4	64QAM	3	1	22.02	21.82	21.87	
1.4	64QAM	3	3	21.86	21.87	21.82	
1.4	64QAM	6	0	21.87	21.84	21.86	
1.4	256QAM	1	0	18.01	18.08	17.97	23
1.4	256QAM	1	3	17.88	17.86	17.92	
1.4	256QAM	1	5	18.03	17.83	17.99	
1.4	256QAM	3	0	17.98	17.91	17.86	19
1.4	256QAM	3	1	18.06	17.86	17.91	
1.4	256QAM	3	3	17.90	17.91	17.86	
1.4	256QAM	6	0	17.91	17.88	17.90	
							19

5	16QAM	1	24	22.17	22.22	22.18	
5	16QAM	12	0	21.07	21.22	21.28	
5	16QAM	12	7	21.11	21.16	21.08	
5	16QAM	12	13	21.10	21.21	21.06	22
5	16QAM	25	0	21.09	21.14	21.19	
5	64QAM	1	0	21.12	21.16	21.20	
5	64QAM	1	12	21.16	21.22	20.97	22
5	64QAM	1	24	21.11	20.98	20.88	
5	64QAM	12	0	21.08	21.12	21.16	
5	64QAM	12	7	21.08	21.21	21.00	22
5	64QAM	12	13	21.05	21.20	21.14	
5	64QAM	25	0	21.13	21.12	21.02	
5	256QAM	1	0	17.16	17.20	17.24	
5	256QAM	1	12	17.20	17.26	17.01	18
5	256QAM	1	24	17.15	17.02	16.92	
5	256QAM	12	0	17.12	17.16	17.20	
5	256QAM	12	7	17.12	17.25	17.04	18
5	256QAM	12	13	17.09	17.24	17.18	
5	256QAM	25	0	17.17	17.16	17.06	

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23090	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	24.11	24.16	24.04	25
10	QPSK	1	25	24.04	24.07	24.08	
10	QPSK	1	49	23.94	24.09	24.11	
10	QPSK	25	0	23.10	23.15	23.14	24
10	QPSK	25	12	23.12	23.03	23.10	
10	QPSK	25	25	23.12	23.07	23.04	
10	QPSK	50	0	23.06	23.05	23.11	24
10	16QAM	1	0	23.30	23.27	23.14	
10	16QAM	1	25	23.05	23.12	23.12	
10	16QAM	1	49	23.10	23.05	23.16	23
10	16QAM	25	0	22.08	22.10	22.21	
10	16QAM	25	12	22.06	22.11	22.08	
10	16QAM	25	25	22.18	22.15	22.17	23
10	16QAM	50	0	22.22	22.16	22.13	
10	64QAM	1	0	22.22	22.17	22.07	23
10	64QAM	1	25	22.28	22.23	22.21	
10	64QAM	1	49	22.34	22.36	22.30	
10	64QAM	25	0	22.06	22.26	22.10	23
10	64QAM	25	12	22.13	22.19	22.21	
10	64QAM	25	25	22.08	22.15	22.09	
10	64QAM	50	0	22.12	22.10	22.13	19
10	256QAM	1	0	18.06	18.01	17.91	
10	256QAM	1	25	18.12	18.07	18.05	
10	256QAM	1	49	18.18	18.20	18.14	19
10	256QAM	25	0	17.90	18.10	17.94	
10	256QAM	25	12	17.97	18.03	18.05	
10	256QAM	25	25	17.92	17.99	17.93	19
10	256QAM	50	0	17.96	17.94	17.97	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	24.05	24.10	23.98	25
5	QPSK	1	12	23.98	24.01	24.02	
5	QPSK	1	24	23.88	24.03	24.05	
5	QPSK	12	0	23.04	23.09	23.08	24
5	QPSK	12	7	23.06	22.97	23.04	
5	QPSK	12	13	23.06	23.01	22.98	
5	QPSK	25	0	23.00	22.99	23.05	24
5	16QAM	1	0	23.24	23.21	23.08	
5	16QAM	1	12	22.99	23.06	23.06	
5	16QAM	1	24	23.04	22.99	23.10	23
5	16QAM	12	0	22.02	22.04	22.15	
5	16QAM	12	7	22.00	22.05	22.02	
5	16QAM	12	13	22.12	22.09	22.11	23
5	16QAM	25	0	22.16	22.10	22.07	
5	64QAM	1	0	22.16	22.11	22.01	
5	64QAM	1	12	22.22	22.17	22.15	23
5	64QAM	1	24	22.28	22.30	22.24	
5	64QAM	12	0	22.00	22.20	22.04	
5	64QAM	12	7	22.07	22.13	22.15	23
5	64QAM	12	13	22.02	22.09	22.03	
5	64QAM	25	0	22.06	22.04	22.07	
5	256QAM	1	0	18.00	17.95	17.85	19
5	256QAM	1	12	18.06	18.01	17.99	
5	256QAM	1	24	18.12	18.14	18.08	
5	256QAM	12	0	17.84	18.04	17.88	19
5	256QAM	12	7	17.91	17.97	17.99	
5	256QAM	12	13	17.86	17.93	17.87	
5	256QAM	25	0	17.90	17.88	17.91	19
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	24.00	24.05	23.93	25
3	QPSK	1	8	23.93	23.96	23.97	
3	QPSK	1	14	23.83	23.98	24.00	
3	QPSK	8	0	22.99	23.04	23.03	24
3	QPSK	8	4	23.01	22.92	22.99	
3	QPSK	8	7	23.01	22.96	22.93	
3	QPSK	15	0	22.95	22.94	23.00	24
3	16QAM	1	0	23.19	23.16	23.03	
3	16QAM	1	8	22.94	23.01	23.01	
3	16QAM	1	14	22.99	22.94	23.05	23
3	16QAM	8	0	21.97	21.99	22.10	
3	16QAM	8	4	21.95	22.00	21.97	
3	16QAM	8	7	22.07	22.04	22.06	23
3	16QAM	15	0	22.11	22.05	22.02	
3	64QAM	1	0	22.11	22.06	21.96	
3	64QAM	1	8	22.17	22.12	22.10	23
3	64QAM	1	14	22.23	22.25	22.19	
3	64QAM	8	0	21.95	22.15	21.99	
3	64QAM	8	4	22.02	22.08	22.10	23
3	64QAM	8	7	21.97	22.04	21.98	
3	64QAM	15	0	22.01	21.99	22.02	
3	256QAM	1	0	17.95	17.90	17.80	19
3	256QAM	1	8	18.01	17.96	17.94	
3	256QAM	1	14	18.07	18.09	18.03	
3	256QAM	8	0	17.79	17.99	17.83	19
3	256QAM	8	4	17.86	17.92	17.94	
3	256QAM	8	7	17.81	17.88	17.82	
3	256QAM	15	0	17.85	17.83	17.86	19
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	23.95	24.00	23.88	25
1.4	QPSK	1	3	23.88	23.91	23.92	
1.4	QPSK	1	5	23.78	23.93	23.95	
1.4	QPSK	3	0	22.94	22.99	22.98	24
1.4	QPSK	3	1	22.96	22.87	22.94	
1.4	QPSK	3	3	22.96	22.91	22.88	
1.4	QPSK	6	0	22.90	22.89	22.95	24
1.4	16QAM	1	0	23.14	23.11	22.98	
1.4	16QAM	1	3	22.89	22.96	22.96	

Band 13(700MHz Band) (dBm) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.15		24
10	QPSK	1	25		23.12		
10	QPSK	1	49		23.02		
10	QPSK	25	0		22.20		23
10	QPSK	25	12		22.12		
10	QPSK	25	25		22.13		
10	QPSK	50	0		22.14		23
10	16QAM	1	0		22.29		
10	16QAM	1	25		22.26		
10	16QAM	1	49		22.37		22
10	16QAM	25	0		21.23		
10	16QAM	25	12		21.23		
10	16QAM	25	25		21.15		22
10	16QAM	50	0		21.19		
10	64QAM	1	0		21.31		
10	64QAM	1	25		21.40		22
10	64QAM	1	49		21.34		
10	64QAM	25	0		21.21		
10	64QAM	25	12		21.18		22
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.13		
10	256QAM	1	0		18.20		19
10	256QAM	1	25		18.29		
10	256QAM	1	49		18.23		
10	256QAM	25	0		18.10		19
10	256QAM	25	12		18.07		
10	256QAM	25	25		18.11		
10	256QAM	50	0		18.02		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.09	23.10	23.07	24
5	QPSK	1	12	23.04	23.00	23.06	
5	QPSK	1	24	22.91	22.88	22.97	
5	QPSK	12	0	22.14	22.10	22.11	23
5	QPSK	12	7	22.09	22.06	22.09	
5	QPSK	12	13	22.08	22.06	22.00	
5	QPSK	25	0	22.00	22.06	22.00	23
5	16QAM	1	0	22.23	22.24	22.23	
5	16QAM	1	12	22.14	22.20	22.14	
5	16QAM	1	24	22.27	22.24	22.25	22
5	16QAM	12	0	21.14	21.15	21.17	
5	16QAM	12	7	21.10	21.11	21.13	
5	16QAM	12	13	21.03	21.06	21.09	22
5	16QAM	25	0	21.12	21.05	21.12	
5	64QAM	1	0	21.25	21.19	21.25	
5	64QAM	1	12	21.27	21.32	21.34	22
5	64QAM	1	24	21.20	21.23	21.20	
5	64QAM	12	0	21.16	21.16	21.07	
5	64QAM	12	7	21.09	21.04	21.11	22
5	64QAM	12	13	21.16	21.14	21.11	
5	64QAM	25	0	21.03	21.06	21.05	
5	256QAM	1	0	18.06	18.08	18.14	19
5	256QAM	1	12	18.20	18.18	18.19	
5	256QAM	1	24	18.12	18.09	18.09	
5	256QAM	12	0	17.98	18.00	17.96	19
5	256QAM	12	7	17.97	18.01	17.99	
5	256QAM	12	13	18.03	18.05	18.03	
5	256QAM	25	0	17.94	17.97	17.94	



1.4	16QAM	1	5	22.94	22.89	23.00	24
1.4	16QAM	3	0	21.92	21.94	22.05	
1.4	16QAM	3	1	21.90	21.95	21.92	
1.4	16QAM	3	3	22.02	21.99	22.01	
1.4	16QAM	6	0	22.06	22.00	21.97	23
1.4	64QAM	1	0	22.06	22.01	21.91	
1.4	64QAM	1	3	22.12	22.07	22.05	23
1.4	64QAM	1	5	22.18	22.20	22.14	
1.4	64QAM	3	0	21.90	22.10	21.94	
1.4	64QAM	3	1	21.97	22.03	22.05	
1.4	64QAM	3	3	21.92	21.99	21.93	
1.4	64QAM	6	0	21.96	21.94	21.97	23
1.4	256QAM	1	0	17.90	17.85	17.75	19
1.4	256QAM	1	3	17.96	17.91	17.89	
1.4	256QAM	1	5	18.02	18.04	17.98	
1.4	256QAM	3	0	17.74	17.94	17.78	
1.4	256QAM	3	1	17.81	17.87	17.89	
1.4	256QAM	3	3	17.76	17.83	17.77	
1.4	256QAM	6	0	17.80	17.78	17.81	19

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	24.00	24.05	23.93	25
10	QPSK	1	25	23.93	23.96	23.97	
10	QPSK	1	49	23.83	23.98	24.00	
10	QPSK	25	0	22.99	23.04	23.03	24
10	QPSK	25	12	23.01	22.92	22.99	
10	QPSK	25	25	23.01	22.96	22.93	
10	QPSK	50	0	22.95	22.94	23.00	24
10	16QAM	1	0	23.19	23.16	23.03	
10	16QAM	1	25	22.94	23.01	23.01	
10	16QAM	1	49	22.99	22.94	23.05	23
10	16QAM	25	0	21.97	21.99	22.10	
10	16QAM	25	12	21.95	22.00	21.97	
10	16QAM	25	25	22.07	22.04	22.06	23
10	16QAM	50	0	22.11	22.05	22.02	
10	64QAM	1	0	22.11	22.06	21.96	23
10	64QAM	1	25	22.17	22.12	22.10	
10	64QAM	1	49	22.23	22.25	22.19	
10	64QAM	25	0	21.95	22.15	21.99	23
10	64QAM	25	12	22.02	22.08	22.10	
10	64QAM	25	25	21.97	22.04	21.98	
10	64QAM	50	0	22.01	21.99	22.02	19
10	256QAM	1	0	17.95	17.90	17.80	
10	256QAM	1	25	18.01	17.96	17.94	
10	256QAM	1	49	18.07	18.09	18.03	19
10	256QAM	25	0	17.79	17.99	17.83	
10	256QAM	25	12	17.86	17.92	17.94	
10	256QAM	25	25	17.81	17.88	17.82	19
10	256QAM	50	0	17.85	17.83	17.86	
Channel				23755	23790	23825	Tune-up limit (dBm)
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	23.94	23.99	23.87	25
5	QPSK	1	12	23.87	23.90	23.91	
5	QPSK	1	24	23.77	23.92	23.94	
5	QPSK	12	0	22.93	22.98	22.97	24
5	QPSK	12	7	22.95	22.86	22.93	
5	QPSK	12	13	22.95	22.90	22.87	
5	QPSK	25	0	22.89	22.88	22.94	24
5	16QAM	1	0	23.13	23.10	22.97	
5	16QAM	1	12	22.88	22.95	22.95	
5	16QAM	1	24	22.93	22.88	22.99	23
5	16QAM	12	0	21.91	21.93	22.04	
5	16QAM	12	7	21.89	21.94	21.91	
5	16QAM	12	13	22.01	21.98	22.00	23
5	16QAM	25	0	22.05	21.99	21.96	
5	64QAM	1	0	22.05	22.00	21.90	
5	64QAM	1	12	22.11	22.06	22.04	23
5	64QAM	1	24	22.17	22.19	22.13	
5	64QAM	12	0	21.89	22.09	21.93	
5	64QAM	12	7	21.96	22.02	22.04	23
5	64QAM	12	13	21.91	21.98	21.92	
5	64QAM	25	0	21.95	21.93	21.96	
5	256QAM	1	0	17.89	17.84	17.74	19
5	256QAM	1	12	17.95	17.90	17.88	
5	256QAM	1	24	18.01	18.03	17.97	
5	256QAM	12	0	17.73	17.93	17.77	19
5	256QAM	12	7	17.80	17.86	17.88	
5	256QAM	12	13	17.75	17.82	17.76	
5	256QAM	25	0	17.79	17.77	17.80	

Band 19 (835MHz Band) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					24075		
Frequency (MHz)					837.5		
15	QPSK	1	0		23.14		24
15	QPSK	1	37		23.13		
15	QPSK	1	74		23.10		
15	QPSK	36	0		22.23		23
15	QPSK	36	20		22.18		
15	QPSK	36	39		22.14		
15	QPSK	75	0		22.19		23
15	16QAM	1	0		22.49		
15	16QAM	1	37		22.21		
15	16QAM	1	74		22.35		22
15	16QAM	36	0		21.26		
15	16QAM	36	20		21.30		
15	16QAM	36	39		21.24		22
15	16QAM	75	0		21.19		
15	64QAM	1	0		21.39		
15	64QAM	1	25		21.47		22
15	64QAM	1	49		21.27		
15	64QAM	25	0		21.28		
15	64QAM	25	12		21.22		22
15	64QAM	25	25		21.26		
15	64QAM	50	0		21.15		
15	256QAM	1	0		17.40		18
15	256QAM	1	25		17.48		
15	256QAM	1	49		17.28		
15	256QAM	25	0		17.29		18
15	256QAM	25	12		17.23		
15	256QAM	25	25		17.27		
15	256QAM	50	0		17.16		
Channel				24050	24075	24100	Tune-up limit (dBm)
Frequency (MHz)				835	837.5	840	
10	QPSK	1	0	23.07	23.09	22.94	24
10	QPSK	1	25	23.06	23.08	23.04	
10	QPSK	1	49	22.97	23.05	23.07	
10	QPSK	25	0	22.17	22.18	22.16	23
10	QPSK	25	12	22.14	22.13	22.13	
10	QPSK	25	25	22.15	22.09	22.10	
10	QPSK	50	0	22.16	22.14	22.14	23
10	16QAM	1	0	22.28	22.44	22.11	
10	16QAM	1	25	22.10	22.16	22.21	
10	16QAM	1	49	22.24	22.30	22.32	22
10	16QAM	25	0	21.17	21.21	21.09	
10	16QAM	25	12	21.23	21.25	21.24	
10	16QAM	25	25	21.25	21.19	21.18	22
10	16QAM	50	0	21.10	21.14	21.15	
10	64QAM	1	0	21.15	21.34	21.23	
10	64QAM	1	25	21.38	21.42	21.29	22
10	64QAM	1	49	21.23	21.22	21.20	
10	64QAM	25	0	21.11	21.23	21.12	
10	64QAM	25	12	21.10	21.17	21.14	22
10	64QAM	25	25	21.18	21.21	21.17	
10	64QAM	50	0	21.14	21.10	21.15	
10	256QAM	1	0	17.16	17.35	17.24	18
10	256QAM	1	25	17.39	17.43	17.30	
10	256QAM	1	49	17.24	17.23	17.21	
10	256QAM	25	0	17.12	17.24	17.13	18
10	256QAM	25	12	17.11	17.18	17.15	
10	256QAM	25	25	17.19	17.22	17.18	
10	256QAM	50	0	17.15	17.11	17.16	
Channel				24025	24075	24125	Tune-up limit (dBm)
Frequency (MHz)				832.5	837.5	842.5	
5	QPSK	1	0	23.01	23.03	22.88	24
5	QPSK	1	12	23.00	23.02	22.98	
5	QPSK	1	24	22.91	22.99	23.01	
5	QPSK	12	0	22.11	22.12	22.10	23
5	QPSK	12	7	22.08	22.07	22.07	
5	QPSK	12	13	22.09	22.03	22.04	
5	QPSK	25	0	22.10	22.08	22.08	23
5	16QAM	1	0	22.22	22.38	22.05	
5	16QAM	1	12	22.04	22.10	22.15	
5	16QAM	1	24	22.18	22.24	22.26	22
5	16QAM	12	0	21.11	21.15	21.03	
5	16QAM	12	7	21.17	21.19	21.18	
5	16QAM	12	13	21.19	21.13	21.12	22
5	16QAM	25	0	21.04	21.08	21.09	
5	64QAM	1	0	21.09	21.28	21.17	
5	64QAM	1	12	21.32	21.36	21.23	22
5	64QAM	1	24	21.17	21.16	21.14	
5	64QAM	12	0	21.05	21.17	21.06	
5	64QAM	12	7	21.04	21.11	21.08	22
5	64QAM	12	13	21.12	21.15	21.11	
5	64QAM	25	0	21.08	21.04	21.09	
5	256QAM	1	0	17.10	17.29	17.18	18
5	256QAM	1	12	17.33	17.37	17.24	
5	256QAM	1	24	17.18	17.17	17.15	
5	256QAM	12	0	17.06	17.18	17.07	18
5	256QAM	12	7	17.05	17.12	17.09	
5	256QAM	12	13	17.13	17.16	17.12	
5	256QAM	25	0	17.09	17.05	17.10	

Band 25 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	23.03	23.09	23.01	24
20	QPSK	1	49	22.90	22.87	22.84	
20	QPSK	1	99	22.88	22.79	22.77	
20	QPSK	50	0	22.05	22.06	22.03	23
20	QPSK	50	24	22.02	21.98	22.00	
20	QPSK	50	50	22.01	21.92	21.94	
20	QPSK	100	0	22.00	22.01	22.00	23
20	16QAM	1	0	21.93	21.93	21.95	
20	16QAM	1	49	22.02	21.99	21.98	
20	16QAM	1	99	21.84	21.96	21.97	22
20	16QAM	50	0	21.05	20.90	20.91	
20	16QAM	50	24	20.95	20.94	20.84	
20	16QAM	50	50	20.90	20.88	20.89	22
20	16QAM	100	0	20.89	20.98	20.88	
20	64QAM	1	0	20.96	20.97	20.90	
20	64QAM	1	49	20.91	20.93	21.00	22
20	64QAM	1	99	20.98	20.95	20.93	
20	64QAM	50	0	20.94	20.89	20.92	
20	64QAM	50	24	20.94	21.00	20.91	22
20	64QAM	50	50	20.85	20.91	20.85	
20	64QAM	100	0	21.00	20.99	20.79	
20	256QAM	1	0	17.03	17.04	16.97	18
20	256QAM	1	49	16.98	17.00	17.07	
20	256QAM	1	99	17.05	17.02	17.00	
20	256QAM	50	0	17.01	16.96	16.99	18
20	256QAM	50	24	17.01	17.07	16.98	
20	256QAM	50	50	16.92	16.98	16.92	
20	256QAM	100	0	17.07	17.06	16.86	
Channel				26115	26365	26615	
Frequency (MHz)				1857.5	1882.5	1907.5	Tune-up limit (dBm)
15	QPSK	1	0	22.98	23.04	22.96	24
15	QPSK	1	37	22.85	22.82	22.79	
15	QPSK	1	74	22.83	22.74	22.72	
15	QPSK	36	0	22.00	22.01	21.98	23
15	QPSK	36	20	21.97	21.93	21.95	
15	QPSK	36	39	21.96	21.87	21.89	
15	QPSK	75	0	21.95	21.96	21.95	23
15	16QAM	1	0	21.88	21.88	21.90	
15	16QAM	1	37	21.97	21.94	21.93	
15	16QAM	1	74	21.79	21.91	21.92	22
15	16QAM	36	0	21.00	20.85	20.86	
15	16QAM	36	20	20.90	20.89	20.79	
15	16QAM	36	39	20.85	20.83	20.84	22
15	16QAM	75	0	20.84	20.93	20.83	
15	64QAM	1	0	20.91	20.92	20.85	
15	64QAM	1	37	20.86	20.88	20.95	22
15	64QAM	1	74	20.93	20.90	20.88	
15	64QAM	36	0	20.89	20.84	20.87	
15	64QAM	36	20	20.89	20.95	20.86	22
15	64QAM	36	39	20.80	20.86	20.80	
15	64QAM	75	0	20.95	20.94	20.74	
15	256QAM	1	0	16.98	16.99	16.92	18
15	256QAM	1	37	16.93	16.95	17.02	
15	256QAM	1	74	17.00	16.97	16.95	
15	256QAM	36	0	16.96	16.91	16.94	18
15	256QAM	36	20	16.96	17.02	16.93	
15	256QAM	36	39	16.87	16.93	16.87	
15	256QAM	75	0	17.02	17.01	16.81	
Channel				26090	26365	26640	
Frequency (MHz)				1855	1882.5	1910	Tune-up limit (dBm)
10	QPSK	1	0	22.92	22.98	22.90	24
10	QPSK	1	25	22.79	22.76	22.73	
10	QPSK	1	49	22.77	22.68	22.66	
10	QPSK	25	0	21.94	21.95	21.92	23
10	QPSK	25	12	21.91	21.87	21.89	
10	QPSK	25	25	21.90	21.81	21.83	
10	QPSK	50	0	21.89	21.90	21.89	23
10	16QAM	1	0	21.82	21.82	21.84	
10	16QAM	1	25	21.91	21.88	21.87	
10	16QAM	1	49	21.73	21.85	21.86	22
10	16QAM	25	0	20.94	20.79	20.80	
10	16QAM	25	12	20.84	20.83	20.73	
10	16QAM	25	25	20.79	20.77	20.78	22
10	16QAM	50	0	20.78	20.87	20.77	
10	64QAM	1	0	20.85	20.86	20.79	
10	64QAM	1	25	20.80	20.82	20.89	22
10	64QAM	1	49	20.87	20.84	20.82	
10	64QAM	25	0	20.83	20.78	20.81	
10	64QAM	25	12	20.83	20.89	20.80	22
10	64QAM	25	25	20.74	20.80	20.74	
10	64QAM	50	0	20.89	20.88	20.68	
10	256QAM	1	0	16.92	16.93	16.86	18
10	256QAM	1	25	16.87	16.89	16.96	
10	256QAM	1	49	16.94	16.91	16.89	
10	256QAM	25	0	16.90	16.85	16.88	18
10	256QAM	25	12	16.90	16.96	16.87	
10	256QAM	25	25	16.81	16.87	16.81	
10	256QAM	50	0	16.96	16.95	16.75	
Channel				26065	26365	26665	
Frequency (MHz)				1852.5	1882.5	1912.5	Tune-up limit (dBm)
5	QPSK	1	0	22.88	22.94	22.86	24
5	QPSK	1	12	22.75	22.72	22.69	
5	QPSK	1	24	22.73	22.64	22.62	
5	QPSK	12	0	21.90	21.91	21.88	23
5	QPSK	12	7	21.87	21.83	21.85	
5	QPSK	12	13	21.86	21.77	21.79	
5	QPSK	25	0	21.85	21.86	21.85	23
5	16QAM	1	0	21.78	21.78	21.80	
5	16QAM	1	12	21.87	21.84	21.83	

Band 26 for FCC (dBm) (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	23.06	23.12	23.04	24
15	QPSK	1	37	22.93	22.90	22.87	
15	QPSK	1	74	22.91	22.82	22.80	
15	QPSK	36	0	22.18	22.19	22.16	23
15	QPSK	36	20	22.15	22.11	22.13	
15	QPSK	36	39	22.14	22.05	22.07	
15	QPSK	75	0	22.13	22.15	22.13	23
15	16QAM	1	0	22.15	22.15	22.17	
15	16QAM	1	37	22.24	22.21	22.20	
15	16QAM	1	74	22.06	22.18	22.19	22
15	16QAM	36	0	21.27	21.12	21.13	
15	16QAM	36	20	21.17	21.16	21.06	
15	16QAM	36	39	21.12	21.10	21.11	22
15	16QAM	75	0	21.11	21.20	21.10	
15	64QAM	1	0	21.18	21.19	21.12	
15	64QAM	1	37	21.13	21.15	21.22	22
15	64QAM	1	74	21.20	21.17	21.15	
15	64QAM	36	0	21.16	21.11	21.14	
15	64QAM	36	20	21.16	21.22	21.13	22
15	64QAM	36	39	21.07	21.13	21.07	
15	64QAM	75	0	21.22	21.21	21.01	
15	256QAM	1	0	17.25	17.26	17.19	18
15	256QAM	1	37	17.20	17.22	17.29	
15	256QAM	1	74	17.27	17.24	17.22	
15	256QAM	36	0	17.23	17.18	17.21	18
15	256QAM	36	20	17.23	17.29	17.20	
15	256QAM	36	39	17.14	17.20	17.14	
15	256QAM	75	0	17.29	17.28	17.08	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	23.02	23.08	23.00	24
10	QPSK	1	25	22.89	22.86	22.83	
10	QPSK	1	49	22.87	22.78	22.76	
10	QPSK	25	0	22.14	22.15	22.12	23
10	QPSK	25	12	22.11	22.07	22.09	
10	QPSK	25	25	22.10	22.01	22.03	
10	QPSK	50	0	22.09	22.11	22.09	23
10	16QAM	1	0	22.11	22.11	22.13	
10	16QAM	1	25	22.20	22.17	22.16	
10	16QAM	1	49	22.02	22.14	22.15	22
10	16QAM	25	0	21.23	21.08	21.09	
10	16QAM	25	12	21.13	21.12	21.02	
10	16QAM	25	25	21.08	21.06	21.07	22
10	16QAM	50	0	21.07	21.16	21.06	
10	64QAM	1	0	21.14	21.15	21.08	
10	64QAM	1	25	21.09	21.11	21.18	22
10	64QAM	1	49	21.16	21.13	21.11	
10	64QAM	25	0	21.12	21.07	21.10	
10	64QAM	25	12	21.12	21.18	21.09	22
10	64QAM	25	25	21.03	21.09	21.03	
10	64QAM	50	0	21.18	21.17	20.97	
10	256QAM	1	0	17.21	17.22	17.15	18
10	256QAM	1	25	17.16	17.18	17.25	
10	256QAM	1	49	17.23	17.20	17.18	
10	256QAM	25	0	17.19	17.14	17.17	18
10	256QAM	25	12	17.19	17.25	17.16	
10	256QAM	25	25	17.10	17.16	17.10	
10	256QAM	50	0	17.25	17.24	17.04	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	22.99	23.05	22.97	24
5	QPSK	1	12	22.86	22.83	22.80	
5	QPSK	1	24	22.84	22.75	22.73	
5	QPSK	12	0	22.11	22.12	22.09	23
5	QPSK	12	7	22.08	22.04	22.06	
5	QPSK	12	13	22.07	21.98	22.00	
5	QPSK	25	0	22.06	22.08	22.06	23
5	16QAM	1	0	22.08	22.08	22.10	
5	16QAM	1	12	22.17	22.14	22.13	
5	16QAM	1	24	21.99	22.11	22.12	22
5	16QAM	12	0	21.20	21.05	21.06	
5	16QAM	12	7	21.10	21.09	20.99	
5	16QAM	12	13	21.05	21.03	21.04	22
5	16QAM	25	0	21.04	21.13	21.03	
5	64QAM	1	0	21.11	21.12	21.05	
5	64QAM	1	12	21.06	21.08	21.15	22
5	64QAM	1	24	21.13	21.10	21.08	
5	64QAM	12	0	21.09	21.04	21.07	
5	64QAM	12	7	21.09	21.15	21.06	22
5	64QAM	12	13	21.00	21.06	21.00	
5	64QAM	25	0	21.15	21.14	20.94	
5	256QAM	1	0	17.18	17.19	17.12	18
5	256QAM	1	12	17.13	17.15	17.22	
5	256QAM	1	24	17.20	17.17	17.14	
5	256QAM	12	0	17.16	17.11	17.15	18
5	256QAM	12	7	17.16	17.22	17.13	
5	256QAM	12	13	17.07	17.13	17.07	
5	256QAM	25	0	17.22	17.21	17.01	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	22.95	23.01	22.93	24
3	QPSK	1	8	22.82	22.79	22.76	
3	QPSK	1	14	22.80	22.71	22.69	
3	QPSK	8	0	22.07	22.08	22.05	23
3	QPSK	8	4	22.04	22.00	22.02	
3	QPSK	8	7	22.03	21.94	21.96	
3	QPSK	15	0	22.02	22.04	22.02	23
3	16QAM	1	0	22.04	22.04	22.06	
3	16QAM	1	8	22.13	22.10	22.09	

5	16QAM	1	24	21.69	21.81	21.82	22
5	16QAM	12	0	20.90	20.75	20.76	
5	16QAM	12	7	20.80	20.79	20.69	
5	16QAM	12	13	20.75	20.73	20.74	
5	16QAM	25	0	20.74	20.83	20.73	22
5	64QAM	1	0	20.81	20.82	20.75	
5	64QAM	1	12	20.76	20.78	20.85	
5	64QAM	1	24	20.83	20.80	20.78	
5	64QAM	12	0	20.79	20.74	20.77	22
5	64QAM	12	7	20.79	20.85	20.76	
5	64QAM	12	13	20.70	20.76	20.70	
5	64QAM	25	0	20.85	20.84	20.64	
5	256QAM	1	0	16.88	16.89	16.82	18
5	256QAM	1	12	16.83	16.85	16.92	
5	256QAM	1	24	16.90	16.87	16.85	
5	256QAM	12	0	16.86	16.81	16.84	
5	256QAM	12	7	16.86	16.92	16.83	18
5	256QAM	12	13	16.77	16.83	16.77	
5	256QAM	25	0	16.92	16.91	16.71	
Channel				29059	29365	29679	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	22.86	22.92	22.84	24
3	QPSK	1	8	22.73	22.70	22.67	
3	QPSK	1	14	22.71	22.62	22.60	
3	QPSK	8	0	21.88	21.89	21.86	
3	QPSK	8	4	21.85	21.81	21.83	23
3	QPSK	8	7	21.84	21.75	21.77	
3	QPSK	15	0	21.83	21.84	21.83	
3	16QAM	1	0	21.76	21.76	21.78	
3	16QAM	1	8	21.85	21.82	21.81	23
3	16QAM	1	14	21.67	21.79	21.80	
3	16QAM	8	0	20.88	20.73	20.74	
3	16QAM	8	4	20.78	20.77	20.67	
3	16QAM	8	7	20.73	20.71	20.72	22
3	16QAM	15	0	20.72	20.81	20.71	
3	64QAM	1	0	20.79	20.80	20.73	
3	64QAM	1	8	20.74	20.76	20.83	
3	64QAM	1	14	20.81	20.78	20.76	22
3	64QAM	8	0	20.77	20.72	20.75	
3	64QAM	8	4	20.77	20.83	20.74	
3	64QAM	8	7	20.68	20.74	20.68	
3	64QAM	15	0	20.83	20.82	20.62	18
3	256QAM	1	0	16.86	16.87	16.80	
3	256QAM	1	8	16.81	16.83	16.90	
3	256QAM	1	14	16.88	16.85	16.83	
3	256QAM	8	0	16.84	16.79	16.82	18
3	256QAM	8	4	16.84	16.90	16.81	
3	256QAM	8	7	16.75	16.81	16.75	
3	256QAM	15	0	16.90	16.89	16.69	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	22.83	22.89	22.81	24
1.4	QPSK	1	3	22.70	22.67	22.64	
1.4	QPSK	1	5	22.68	22.59	22.57	
1.4	QPSK	3	0	21.85	21.86	21.83	
1.4	QPSK	3	1	21.82	21.78	21.80	23
1.4	QPSK	3	3	21.81	21.72	21.74	
1.4	QPSK	6	0	21.80	21.81	21.80	
1.4	16QAM	1	0	21.73	21.73	21.75	
1.4	16QAM	1	3	21.82	21.79	21.78	22
1.4	16QAM	1	5	21.64	21.76	21.77	
1.4	16QAM	3	0	20.85	20.70	20.71	
1.4	16QAM	3	1	20.75	20.74	20.64	
1.4	16QAM	3	3	20.70	20.68	20.69	21
1.4	16QAM	6	0	20.69	20.78	20.68	
1.4	64QAM	1	0	20.76	20.77	20.70	
1.4	64QAM	1	3	20.71	20.73	20.80	
1.4	64QAM	1	5	20.78	20.75	20.73	22
1.4	64QAM	3	0	20.74	20.69	20.72	
1.4	64QAM	3	1	20.74	20.80	20.71	
1.4	64QAM	3	3	20.65	20.71	20.65	
1.4	64QAM	6	0	20.80	20.79	20.59	22
1.4	256QAM	1	0	16.83	16.84	16.77	
1.4	256QAM	1	3	16.78	16.80	16.87	
1.4	256QAM	1	5	16.85	16.82	16.80	
1.4	256QAM	3	0	16.81	16.76	16.79	18
1.4	256QAM	3	1	16.81	16.87	16.78	
1.4	256QAM	3	3	16.72	16.78	16.72	
1.4	256QAM	6	0	16.87	16.86	16.66	

3	16QAM	1	14	21.95	22.07	22.08	22
3	16QAM	8	0	21.16	21.01	21.02	
3	16QAM	8	4	21.06	21.05	20.95	
3	16QAM	8	7	21.01	20.99	21.00	
3	16QAM	15	0	21.00	21.09	20.99	22
3	64QAM	1	0	21.07	21.08	21.01	
3	64QAM	1	8	21.02	21.04	21.11	
3	64QAM	1	14	21.09	21.06	21.04	
3	64QAM	8	0	21.05	21.00	21.03	22
3	64QAM	8	4	21.05	21.11	21.02	
3	64QAM	8	7	20.96	21.02	20.96	
3	64QAM	15	0	21.11	21.10	20.90	
3	256QAM	1	0	17.14	17.15	17.08	18
3	256QAM	1	8	17.09	17.11	17.18	
3	256QAM	1	14	17.16	17.13	17.11	
3	256QAM	8	0	17.12	17.07	17.10	
3	256QAM	8	4	17.12	17.18	17.09	18
3	256QAM	8	7	17.03	17.09	17.03	
3	256QAM	15	0	17.18	17.17	16.97	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	22.90	22.96	22.88	24
1.4	QPSK	1	3	22.77	22.74	22.71	
1.4	QPSK	1	5	22.75	22.66	22.64	
1.4	QPSK	3	0	22.02	22.03	22.00	
1.4	QPSK	3	1	21.99	21.95	21.97	23
1.4	QPSK	3	3	21.98	21.89	21.91	
1.4	QPSK	6	0	21.97	21.99	21.97	
1.4	16QAM	1	0	21.99	21.99	22.01	
1.4	16QAM	1	3	22.08	22.05	22.04	23
1.4	16QAM	1	5	21.90	22.02	22.03	
1.4	16QAM	3	0	21.11	20.96	20.97	
1.4	16QAM	3	1	21.01	21.00	20.90	
1.4	16QAM	3	3	20.96	20.94	20.95	22
1.4	16QAM	6	0	20.95	21.04	20.94	
1.4	64QAM	1	0	21.02	21.03	20.96	
1.4	64QAM	1	3	20.97	20.99	21.06	
1.4	64QAM	1	5	21.04	21.01	20.99	22
1.4	64QAM	3	0	21.00	20.95	20.98	
1.4	64QAM	3	1	21.00	21.06	20.97	
1.4	64QAM	3	3	20.91	20.97	20.91	
1.4	64QAM	6	0	21.06	21.05	20.85	22
1.4	256QAM	1	0	17.09	17.10	17.03	
1.4	256QAM	1	3	17.04	17.06	17.13	
1.4	256QAM	1	5	17.11	17.08	17.06	
1.4	256QAM	3	0	17.07	17.02	17.05	18
1.4	256QAM	3	1	17.07	17.13	17.04	
1.4	256QAM	3	3	16.98	17.04	16.98	
1.4	256QAM	6	0	17.13	17.12	16.92	

Band 38(only on channel required) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	Tune-up limit (dBm)
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	23.19	23.23	23.21	24
20	QPSK	1	49	23.06	23.19	23.03	
20	QPSK	1	99	23.16	23.15	22.97	
20	QPSK	50	0	22.18	22.25	22.20	23
20	QPSK	50	24	22.21	22.22	22.08	
20	QPSK	50	50	22.18	22.11	22.04	
20	QPSK	100	0	22.21	22.24	22.11	23
20	16QAM	1	0	22.31	22.32	22.20	
20	16QAM	1	49	22.21	22.24	22.28	
20	16QAM	1	99	22.13	22.17	22.14	22
20	16QAM	50	0	21.18	21.25	21.06	
20	16QAM	50	24	21.26	21.21	21.23	
20	16QAM	50	50	21.08	21.13	21.06	22
20	16QAM	100	0	21.17	21.18	21.12	
20	64QAM	1	0	21.22	21.29	21.20	
20	64QAM	1	49	21.04	21.12	21.15	22
20	64QAM	1	99	21.11	21.13	21.14	
20	64QAM	50	0	21.10	21.15	21.10	
20	64QAM	50	24	21.14	21.10	21.06	22
20	64QAM	50	50	21.01	21.08	20.95	
20	64QAM	100	0	20.93	21.11	20.97	
20	256QAM	1	0	17.25	17.32	17.23	18
20	256QAM	1	49	17.07	17.15	17.18	
20	256QAM	1	99	17.14	17.16	17.17	
20	256QAM	50	0	17.13	17.18	17.13	18
20	256QAM	50	24	17.17	17.13	17.09	
20	256QAM	50	50	17.04	17.11	16.98	
20	256QAM	100	0	16.96	17.14	17.00	Tune-up limit (dBm)
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	Tune-up limit (dBm)
15	QPSK	1	0	23.15	23.19	23.17	
15	QPSK	1	37	23.02	23.15	22.99	24
15	QPSK	1	74	23.14	23.11	22.93	
15	QPSK	36	0	22.14	22.21	22.16	
15	QPSK	36	20	22.17	22.18	22.04	23
15	QPSK	36	39	22.14	22.07	22.00	
15	QPSK	75	0	22.17	22.20	22.07	
15	16QAM	1	0	22.27	22.28	22.16	23
15	16QAM	1	37	22.17	22.20	22.24	
15	16QAM	1	74	22.09	22.13	22.10	
15	16QAM	36	0	21.14	21.21	21.02	22
15	16QAM	36	20	21.22	21.17	21.19	
15	16QAM	36	39	21.04	21.09	21.02	
15	16QAM	75	0	21.13	21.14	21.08	22
15	64QAM	1	0	21.18	21.25	21.16	
15	64QAM	1	37	21.00	21.08	21.11	
15	64QAM	1	74	21.07	21.09	21.10	22
15	64QAM	36	0	21.06	21.11	21.06	
15	64QAM	36	20	21.10	21.06	21.02	
15	64QAM	36	39	20.97	21.04	20.91	18
15	64QAM	75	0	20.89	21.07	20.93	
15	256QAM	1	0	17.21	17.28	17.19	
15	256QAM	1	37	17.03	17.11	17.14	18
15	256QAM	1	74	17.10	17.12	17.13	
15	256QAM	36	0	17.09	17.14	17.09	18
15	256QAM	36	20	17.13	17.09	17.05	
15	256QAM	36	39	17.00	17.07	16.94	
15	256QAM	75	0	16.92	17.10	16.96	Tune-up limit (dBm)
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	Tune-up limit (dBm)
10	QPSK	1	0	23.12	23.16	23.14	
10	QPSK	1	25	22.99	23.12	22.96	24
10	QPSK	1	49	23.11	23.08	22.90	
10	QPSK	25	0	22.11	22.18	22.13	
10	QPSK	25	12	22.14	22.15	22.01	23
10	QPSK	25	25	22.11	22.04	21.97	
10	QPSK	50	0	22.14	22.17	22.04	
10	16QAM	1	0	22.24	22.25	22.13	23
10	16QAM	1	25	22.14	22.17	22.21	
10	16QAM	1	49	22.06	22.10	22.07	
10	16QAM	25	0	21.11	21.18	20.99	22
10	16QAM	25	12	21.19	21.14	21.16	
10	16QAM	25	25	21.01	21.06	20.99	
10	16QAM	50	0	21.10	21.11	21.05	22
10	64QAM	1	0	21.15	21.22	21.13	
10	64QAM	1	25	21.07	21.05	21.08	
10	64QAM	1	49	21.04	21.06	21.07	22
10	64QAM	25	0	21.03	21.08	21.03	
10	64QAM	25	12	21.07	21.03	20.99	
10	64QAM	25	25	20.94	21.01	20.88	18
10	64QAM	50	0	20.86	21.04	20.90	
10	256QAM	1	0	17.18	17.25	17.16	
10	256QAM	1	25	17.00	17.08	17.11	18
10	256QAM	1	49	17.07	17.09	17.10	
10	256QAM	25	0	17.06	17.11	17.06	
10	256QAM	25	12	17.10	17.06	17.02	18
10	256QAM	25	25	16.97	17.04	16.91	
10	256QAM	50	0	16.89	17.07	16.93	
Channel				37775	38000	38225	Tune-up limit (dBm)
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	23.09	23.13	23.11	24
5	QPSK	1	12	22.96	23.09	22.93	
5	QPSK	1	24	23.08	23.05	22.87	
5	QPSK	12	0	22.08	22.15	22.10	23
5	QPSK	12	7	22.11	22.12	21.98	
5	QPSK	12	13	22.08	22.01	21.94	
5	QPSK	25	0	22.11	22.14	22.01	18
5	QPSK	25	0	22.11	22.14	22.01	
5	QPSK	25	0	22.11	22.14	22.01	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			Tune-up limit (dBm)
Frequency (MHz)				2310			
10	QPSK	1	0	23.09			24
10	QPSK	1	25	23.05			
10	QPSK	1	49	22.87			
10	QPSK	25	0	22.16			23
10	QPSK	25	12	22.03			
10	QPSK	25	25	22.05			
10	QPSK	50	0	22.12			23
10	16QAM	1	0	22.26			
10	16QAM	1	25	22.06			
10	16QAM	1	49	22.10			22
10	16QAM	25	0	21.14			
10	16QAM	25	12	21.11			
10	16QAM	25	25	21.20			22
10	16QAM	50	0	21.09			
10	64QAM	1	0	21.16			22
10	64QAM	1	25	21.10			
10	64QAM	1	49	21.28			22
10	64QAM	25	0	21.12			
10	64QAM	25	12	21.03			22
10	64QAM	25	25	21.12			
10	64QAM	50	0	21.10			18
10	256QAM	1	0	17.30			
10	256QAM	1	25	17.24			18
10	256QAM	1	49	17.42			
10	256QAM	25	0	17.31			18
10	256QAM	25	12	17.22			
10	256QAM	25	25	17.31			
10	256QAM	50	0	17.29			Tune-up limit (dBm)
Channel				38725	38750	38775	
Frequency (MHz)				2307.5	2310	2312.5	Tune-up limit (dBm)
5	QPSK	1	0	22.92	23.01	22.99	
5	QPSK	1	12	22.91	23.00	22.99	24
5	QPSK	1	24	22.88	22.85	22.89	
5	QPSK	12	0	21.99	22.08	21.93	
5	QPSK	12	7	22.06	22.01	22.07	23
5	QPSK	12	13	21.93	21.94	21.99	
5	QPSK	25	0	21.95	21.91	22.02	
5	16QAM	1	0	22.13	22.15	22.10	23
5	16QAM	1	12	21.98	21.95	21.98	
5	16QAM	1	24	21.96	21.99	21.99	
5	16QAM	12	0	20.96	21.03	20.97	22
5	16QAM	12	7	21.04	21.01	21.05	
5	16QAM	12	13	21.06	21.07	21.13	
5	16QAM	25	0	21.03	20.98	20.99	22
5	64QAM	1	0	21.10	21.13	21.00	
5	64QAM	1	12	21.09	21.04	21.01	
5	64QAM	1	24	21.17	21.24	21.14	22
5	64QAM	12	0	21.05	21.02	20.99	
5	64QAM	12	7	20.97	20.95	20.92	22
5	64QAM	12	13	20.94	21.05	20.98	
5	64QAM	25	0	20.88	20.97	20.99	
5	256QAM	1	0	17.24	17.22	17.08	18
5	256QAM	1	12	17.25	17.14	17.05	
5	256QAM	1	24	17.34	17.39	17.32	
5	256QAM	12	0	17.25	17.19	17.18	18
5	256QAM	12	7	17.16	17.16	17.16	
5	256QAM	12	13	17.16	17.20	17.24	
5	256QAM	25	0	17.06	17.27	17.19	



5	16QAM	1	12	22.11	22.14	22.18	23
5	16QAM	1	24	22.03	22.07	22.04	
5	16QAM	12	0	21.08	21.15	20.96	22
5	16QAM	12	7	21.16	21.11	21.13	
5	16QAM	12	13	20.98	21.03	20.96	
5	16QAM	25	0	21.07	21.08	21.02	
5	64QAM	1	0	21.12	21.19	21.10	22
5	64QAM	1	12	21.05	21.02	21.05	
5	64QAM	1	24	21.01	21.03	21.04	22
5	64QAM	12	0	21.00	21.05	21.00	
5	64QAM	12	7	21.04	21.00	20.96	
5	64QAM	12	13	20.91	20.98	20.85	
5	64QAM	25	0	20.83	21.01	20.87	18
5	256QAM	1	0	17.15	17.22	17.13	
5	256QAM	1	12	16.97	17.05	17.08	
5	256QAM	1	24	17.04	17.06	17.07	
5	256QAM	12	0	17.03	17.08	17.03	18
5	256QAM	12	7	17.07	17.03	16.99	
5	256QAM	12	13	16.94	17.01	16.88	
5	256QAM	25	0	16.86	17.04	16.90	

Band 40 (2.3G Band-2) (dBm) Part 27D-2 2350MHz ~ 2360MHz									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel				39200			Tune-up limit (dBm)		
Frequency (MHz)				2355					
10	QPSK	1	0	23.15			24		
10	QPSK	1	25	23.12					
10	QPSK	1	49	23.10					
10	QPSK	25	0	22.19					
10	QPSK	25	12	22.14			23		
10	QPSK	25	25	22.10					
10	QPSK	50	0	22.17					
10	16QAM	1	0	21.92					
10	16QAM	1	25	22.29			23		
10	16QAM	1	49	22.24					
10	16QAM	25	0	21.18					
10	16QAM	25	12	21.25					
10	16QAM	25	25	21.20			22		
10	16QAM	50	0	21.16					
10	64QAM	1	0	21.13					
10	64QAM	1	25	21.11					
10	64QAM	1	49	21.27			22		
10	64QAM	25	0	21.15					
10	64QAM	25	12	21.23					
10	64QAM	25	25	21.22					
10	64QAM	50	0	21.17			22		
10	256QAM	1	0	17.23					
10	256QAM	1	25	17.21					
10	256QAM	1	49	17.37					
10	256QAM	25	0	17.25			18		
10	256QAM	25	12	17.33					
10	256QAM	25	25	17.32					
10	256QAM	50	0	17.27					
Channel				39175	39200	39225	Tune-up limit (dBm)		
Frequency (MHz)				2352.5	2355	2357.5			
5	QPSK	1	0	22.95	23.07	22.88	24		
5	QPSK	1	12	22.89	22.96	22.90			
5	QPSK	1	24	23.01	22.98	23.03			
5	QPSK	12	0	22.01	21.91	22.11			
5	QPSK	12	7	22.04	22.05	22.02	23		
5	QPSK	12	13	22.06	22.11	22.05			
5	QPSK	25	0	21.90	22.03	22.03			
5	16QAM	1	0	22.03	21.82	22.05			
5	16QAM	1	12	22.10	22.23	22.02	23		
5	16QAM	1	24	22.15	22.10	21.99			
5	16QAM	12	0	21.13	21.09	21.16			
5	16QAM	12	7	21.01	21.14	21.17			
5	16QAM	12	13	21.09	21.14	21.12	22		
5	16QAM	25	0	20.98	21.01	21.02			
5	64QAM	1	0	21.05	20.99	21.18			
5	64QAM	1	12	21.02	20.97	21.04			
5	64QAM	1	24	21.11	21.14	20.90	22		
5	64QAM	12	0	21.02	20.99	21.03			
5	64QAM	12	7	21.13	21.11	21.13			
5	64QAM	12	13	21.08	21.10	21.12			
5	64QAM	25	0	20.98	21.03	21.09	18		
5	256QAM	1	0	17.15	17.12	17.26			
5	256QAM	1	12	17.08	17.10	17.16			
5	256QAM	1	24	17.24	17.30	17.07			
5	256QAM	12	0	17.19	17.11	17.16	18		
5	256QAM	12	7	17.17	17.24	17.20			
5	256QAM	12	13	17.18	17.18	17.27			
5	256QAM	25	0	17.07	17.19	17.18			

Band 41 (2496~2690MHz) (dBm) (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle High Channel	High Channel	Tune-up limit (dBm)
Channel				39750	40185	40620	41055	41490	Tune-up limit (dBm)
Frequency (MHz)				2506	2549.5	2593	2636.5	2680	
20	QPSK	1	0	23.05	22.92	23.15	23.09	23.08	24
20	QPSK	1	49	23.00	23.04	23.05	22.94	22.95	
20	QPSK	1	99	23.01	22.95	22.97	22.89	22.90	
20	QPSK	50	0	22.24	22.19	22.25	22.15	22.22	
20	QPSK	50	24	22.20	22.17	22.11	21.96	21.93	23
20	QPSK	50	50	22.22	22.11	22.07	21.90	21.80	
20	QPSK	100	0	22.21	22.17	22.12	22.02	21.90	
20	16QAM	1	0	22.29	22.31	22.25	22.19	22.20	
20	16QAM	1	49	22.22	22.09	22.19	22.12	22.15	23
20	16QAM	1	99	22.15	22.01	22.24	22.10	22.12	
20	16QAM	50	0	21.30	21.26	21.12	21.06	20.97	
20	16QAM	50	24	21.24	21.09	21.15	21.03	21.00	
20	16QAM	50	50	21.21	20.97	21.00	20.92	20.96	22
20	16QAM	100	0	21.12	21.09	21.15	21.09	21.10	
20	64QAM	1	0	21.20	21.27	21.18	21.08	21.12	
20	64QAM	1	49	21.19	20.91	21.09	21.00	21.02	
20	64QAM	1	99	21.13	21.04	21.13	21.04	21.07	22
20	64QAM	50	0	21.25	21.19	21.06	20.99	20.83	
20	64QAM	50	24	21.15	21.10	21.09	20.97	21.01	
20	64QAM	50	50	21.02	21.03	21.04	20.93	20.95	
20	64QAM	100	0	21.21	21.16	21.20	21.11	21.10	18
20	256QAM	1	0	17.30	17.37	17.28	17.18	17.22	
20	256QAM	1	49	17.29	17.25	17.19	17.20	17.12	
20	256QAM	1	99	17.23	17.14	17.23	17.14	17.17	
20	256QAM	50	0	17.35	17.29	17.16	17.19	17.13	
20	256QAM	50	24	17.25	17.20	17.19	17.17	17.21	18
20	256QAM	50	50	17.22	17.23	17.20	17.24	17.15	
20	256QAM	100	0	17.31	17.26	17.30	17.29	17.25	
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	23.02	22.89	23.12	23.06	23.05	24
15	QPSK	1	37	22.97	23.01	23.02	22.91	22.92	
15	QPSK	1	74	22.98	22.92	22.94	22.86	22.87	
15	QPSK	36	0	22.21	22.16	22.22	22.12	22.19	
15	QPSK	36	20	22.17	22.14	22.08	21.93	21.90	23
15	QPSK	36	39	22.19	22.08	22.04	21.87	21.77	
15	QPSK	75	0	22.18	22.14	22.09	21.99	21.87	
15	16QAM	1	0	22.26	22.28	22.22	22.16	22.17	
15	16QAM	1	37	22.19	22.06	22.16	22.09	22.12	23
15	16QAM	1	74	22.12	21.98	22.21	22.07	22.09	
15	16QAM	36	0	21.27	21.23	21.09	21.03	20.94	
15	16QAM	36	20	21.21	21.06	21.12	21.00	20.97	
15	16QAM	36	39	21.18	20.94	20.97	20.89	20.93	22
15	16QAM	75	0	21.09	21.06	21.12	21.06	21.07	
15	64QAM	1	0	21.17	21.24	21.15	21.05	21.09	
15	64QAM	1	37	21.16	20.88	21.06	20.97	20.99	
15	64QAM	1	74	21.10	21.01	21.10	21.01	21.04	22
15	64QAM	36	0	21.22	21.16	21.03	20.96	20.80	
15	64QAM	36	20	21.12	21.07	21.06	20.94	20.98	
15	64QAM	36	39	20.99	21.00	21.01	20.90	20.92	
15	64QAM	75	0	21.18	21.13	21.17	21.08	21.07	22
15	256QAM	1	0	17.27	17.34	17.25	17.15	17.19	
15	256QAM	1	37	17.26	17.22	17.16	17.17	17.09	
15	256QAM	1	74	17.20	17.11	17.20	17.11	17.14	
15	256QAM	36	0	17.32	17.26	17.13	17.16	17.10	18
15	256QAM	36	20	17.22	17.17	17.16	17.14	17.18	
15	256QAM	36	39	17.19	17.20	17.17	17.21	17.12	
15	256QAM	75	0	17.28	17.23	17.27	17.26	17.22	
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	23.00	22.87	23.10	23.04	23.03	24
10	QPSK	1	25	22.95	22.99	23.00	22.89	22.90	
10	QPSK	1	49	22.96	22.90	22.92	22.84	22.85	
10	QPSK	25	0	22.19	22.14	22.20	22.10	22.17	
10	QPSK	25	12	22.15	22.12	22.06	21.91	21.88	23
10	QPSK	25	25	22.17	22.06	22.02	21.85	21.75	
10	QPSK	50	0	22.16	22.12	22.07	21.97	21.85	23
10	16QAM	1	0	22.24	22.26	22.20	22.14	22.15	
10	16QAM	1	25	22.17	22.04	22.14	22.07	22.10	
10	16QAM	1	49	22.10	21.96	22.19	22.05	22.07	
10	16QAM	25	0	21.25	21.21	21.07	21.01	20.92	
10	16QAM	25	12	21.19	21.04	21.10	20.98	20.95	22
10	16QAM	25	25	21.16	20.92	20.95	20.87	20.91	
10	16QAM	50	0	21.07	21.04	21.10	21.04	21.05	
10	64QAM	1	0	21.15	21.22	21.13	21.03	21.07	
10	64QAM	1	25	21.14	20.86	21.04	20.95	20.97	22
10	64QAM	1	49	21.08	20.99	21.08	20.99	21.02	
10	64QAM	25	0	21.20	21.14	21.01	20.94	20.78	
10	64QAM	25	12	21.10	21.05	21.04	20.92	20.85	
10	64QAM	25	25	20.97	20.90	20.99	20.88	20.90	22
10	64QAM	50	0	21.16	21.11	21.15	21.06	21.05	
10	256QAM	1	0	17.25	17.32	17.23	17.13	17.17	
10	256QAM	1	25	17.24	17.20	17.14	17.15	17.07	
10	256QAM	1	49	17.18	17.09	17.18	17.09	17.12	18
10	256QAM	25	0	17.30	17.24	17.11	17.14	17.08	
10	256QAM	25	12	17.20	17.15	17.14	17.12	17.16	
10	256QAM	25	25	17.17	17.18	17.15	17.19	17.10	
10	256QAM	50	0	17.26	17.21	17.25	17.24	17.20	
Channel				39675	40148	40620	41093	41555	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	22.96	22.83	23.06	23.00	22.99	24
5	QPSK	1	12	22.91	22.95	22.96	22.85	22.86	
5	QPSK	1	24	22.92	22.86	22.88	22.80	22.81	
5	QPSK	12	0	22.15	22.10	22.16	22.06	22.13	
5	QPSK	12	7	22.11	22.08	22.02	21.87	21.84	23
5	QPSK	12	13	22.13	22.02	21.98	21.81	21.71	
5	QPSK	25	0	22.12	22.06	22.03	21.93	21.91	
5	16QAM	1	0	22.20	22.22	22.16	22.10	22.11	
5	16QAM	1	12	22.13	22.00	22.10	22.03	22.06	23
5	16QAM	1	24	22.06	21.92	22.15	22.01	22.03	
5	16QAM	12	0	21.21	21.17	21.03	20.97	20.88	
5	16QAM	12	7	21.15	21.00	21.06	20.94	20.91	
5	16QAM	12	13	21.12	20.88	20.91	20.83	20.87	22
5	16QAM	25	0	21.03	21.00	21.06	21.00	21.01	
5	64QAM	1	0	21.11	21.18	21.09	20.99	21.03	
5	64QAM	1	12	21.10	20.82	21.00	20.91	20.93	
5	64QAM	1	24	21.04	20.95	21.04	20.95	20.98	22
5	64QAM	12	0	21.16	21.10	20.97	20.90	20.74	
5	64QAM	12	7	21.06	21.01	21.00	20.88	20.92	
5	64QAM	12	13	20.93	20.94	20.95	20.84	20.86	
5	64QAM	25	0	21.12	21.07	21.11	21.02	21.01	
5	256QAM	1	0	17.21	17.28	17.19	17.09	17.13	18
5	256QAM	1	12	17.20	17.16	17.10	17.11	17.03	
5	256QAM	1	24	17.14	17.05	17.14	17.09	17.04	
5	256QAM	12	0	17.26	17.20	17.07	17.10	17.04	
5	256QAM	12	7	17.16	17.11	17.10	17.08	17.12	18
5	256QAM	12	13	17.13	17.14	17.11	17.15	17.06	
5	256QAM	25	0	17.22	17.17	17.21	17.20	17.16	

Band 48 (3.5G Band) (dBm)									
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	-10	
20	QPSK	1	0	22.91	23.04	23.07	23.03	23.02	24
20	QPSK	1	49	22.91	22.76	22.73	22.69	22.64	
20	QPSK	1	99	22.89	22.83	22.70	22.72	22.66	
20	QPSK	50	0	22.10	22.06	22.10	22.06	22.12	
20	QPSK	50	24	22.01	22.18	22.10	22.17	22.01	
20	QPSK	50	50	22.00	22.25	22.00	21.99	21.87	23
20	QPSK	100	0	21.98	21.95	22.10	21.97	22.00	
20	16QAM	1	0	22.21	22.13	22.08	21.97	22.00	
20	16QAM	1	49	22.26	22.18	21.99	21.98	22.01	
20	16QAM	1	99	22.41	22.06	21.94	21.97	21.95	
20	16QAM	50	0	21.42	21.31	21.18	21.10	21.13	22
20	16QAM	50	24	21.18	21.21	21.14	21.07	21.09	
20	16QAM	50	50	21.21	21.22	20.94	21.11	21.10	
20	16QAM	100	0	21.27	21.27	21.12	21.12	21.04	
20	64QAM	1	0	21.32	21.42	21.18	21.29	21.23	
20	64QAM	1	49	20.98	21.21	21.10	21.28	21.21	22
20	64QAM	1	99	21.11	21.12	21.13	21.19	21.22	
20	64QAM	50	0	21.26	21.21	21.10	21.14	20.96	
20	64QAM	50	24	21.33	21.23	21.06	21.11	21.06	
20	64QAM	50	50	21.27	21.01	20.94	21.17	21.13	
20	64QAM	100	0	21.17	21.19	21.24	21.04	21.01	18
20	256QAM	1	0	17.20	17.30	17.06	17.17	17.11	
20	256QAM	1	49	16.99	17.09	16.98	17.16	17.09	
20	256QAM	1	99	17.05	17.11	17.01	17.07	17.10	
20	256QAM	50	0	17.13	17.08	16.97	17.01	16.91	
20	256QAM	50	24	17.20	17.10	16.93	16.98	16.93	18
20	256QAM	50	50	17.14	16.88	16.71	17.04	17.00	
20	256QAM	100	0	17.04	17.06	17.11	16.91	16.88	
Channel				55315	55820	55990	56160	56655	Tune-up limit (dBm)
Frequency (MHz)				3557.5	3608	3625	3642	3692.5	
15	QPSK	1	0	22.87	23.00	23.03	22.99	22.98	24
15	QPSK	1	37	22.87	22.72	22.69	22.65	22.60	
15	QPSK	1	74	22.85	22.79	22.66	22.68	22.62	
15	QPSK	36	0	22.06	22.04	22.15	22.05	22.08	
15	QPSK	36	20	21.97	22.14	22.06	22.13	21.97	
15	QPSK	36	39	21.96	22.21	21.96	21.95	21.83	23
15	QPSK	75	0	21.94	21.91	22.06	21.93	21.96	
15	16QAM	1	0	22.17	22.09	22.02	21.93	21.96	
15	16QAM	1	37	22.22	22.14	21.95	21.94	21.97	
15	16QAM	1	74	22.37	22.02	21.90	21.93	21.91	
15	16QAM	36	0	21.38	21.27	21.14	21.06	21.09	22
15	16QAM	36	20	21.14	21.17	21.10	21.03	21.05	
15	16QAM	36	39	21.17	21.18	20.90	21.07	21.06	
15	16QAM	75	0	21.23	21.23	21.08	21.08	21.00	
15	64QAM	1	0	21.28	21.38	21.14	21.25	21.19	
15	64QAM	1	37	20.94	21.17	21.06	21.24	21.17	22
15	64QAM	1	74	21.07	21.08	21.09	21.15	21.18	
15	64QAM	36	0	21.22	21.17	21.06	21.10	20.92	
15	64QAM	36	20	21.29	21.19	21.02	21.07	21.02	
15	64QAM	36	39	21.23	20.97	20.80	21.13	21.09	
15	64QAM	75	0	21.13	21.15	21.20	21.00	20.97	18
15	256QAM	1	0	17.16	17.26	17.02	17.13	17.07	
15	256QAM	1	37	16.95	17.05	16.94	17.12	17.05	
15	256QAM	1	74	17.01	17.07	16.97	17.03	17.06	
15	256QAM	36	0	17.09	17.04	16.93	16.97	16.87	
15	256QAM	36	20	17.16	17.06	16.99	16.94	16.89	18
15	256QAM	36	39	17.10	16.84	16.67	17.00	16.96	
15	256QAM	75	0	17.00	17.02	17.07	16.87	16.84	
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)
Frequency (MHz)				3555	3607.5	3625	3642.5	3695	
10	QPSK	1	0	22.84	22.97	23.00	22.96	22.95	24
10	QPSK	1	25	22.84	22.69	22.66	22.62	22.57	
10	QPSK	1	49	22.82	22.76	22.63	22.65	22.59	
10	QPSK	25	0	22.03	22.01	22.12	22.02	22.05	
10	QPSK	25	12	21.94	22.11	22.03	22.10	21.94	
10	QPSK	25	25	21.93	22.18	21.93	21.92	21.80	23
10	QPSK	50	0	21.91	21.88	22.03	21.90	21.93	
10	16QAM	1	0	22.14	22.06	21.99	21.90	21.93	
10	16QAM	1	25	22.19	22.11	21.92	21.91	21.94	
10	16QAM	1	49	22.34	21.99	21.87	21.90	21.88	
10	16QAM	25	0	21.35	21.24	21.11	21.03	21.06	22
10	16QAM	25	12	21.11	21.14	21.07	21.00	21.02	
10	16QAM	25	25	21.14	21.15	20.87	21.04	21.03	
10	16QAM	50	0	21.20	21.20	21.05	21.05	20.97	
10	64QAM	1	0	21.25	21.35	21.11	21.22	21.16	
10	64QAM	1	25	20.91	21.14	21.03	21.21	21.14	22
10	64QAM	1	49	21.04	21.05	21.06	21.12	21.15	
10	64QAM	25	0	21.19	21.14	21.03	21.07	20.89	
10	64QAM	25	12	21.26	21.16	20.99	21.04	20.99	
10	64QAM	25	25	21.20	20.94	20.77	21.10	21.06	
10	64QAM	50	0	21.10	21.12	21.17	20.97	20.94	18
10	256QAM	1	0	17.13	17.23	16.99	17.10	17.04	
10	256QAM	1	25	16.92	17.02	16.91	17.09	17.02	
10	256QAM	1	49	16.98	17.04	16.94	17.00	17.03	
10	256QAM	25	0	17.06	17.01	16.90	16.94	16.84	
10	256QAM	25	12	17.13	17.03	16.88	16.91	16.88	18
10	256QAM	25	25	17.07	16.81	16.64	16.97	16.93	
10	256QAM	50	0	16.97	16.99	17.04	16.84	16.81	
Channel				56265	56810	56990	56170	56175	Tune-up limit (dBm)
Frequency (MHz)				3552.5	3607	3625	3643	3697.5	
5	QPSK	1	0	22.80	22.93	22.96	22.92	22.91	24
5	QPSK	1	12	22.80	22.65	22.62	22.58	22.53	
5	QPSK	1	24	22.78	22.72	22.59	22.61	22.55	
5	QPSK	12	0	21.99	21.97	22.08	21.98	22.01	
5	QPSK	12	7	21.90	22.07	21.99	22.06	21.90	
5	QPSK	12	13	21.89	22.14	21.89	21.88	21.78	23
5	QPSK	25	0	21.87	21.84	21.99	21.96	21.99	
5	16QAM	1	0	22.10	22.02	21.95	21.86	21.89	
5	16QAM	1	12	22.15	22.07	21.88	21.87	21.90	
5	16QAM	1	24	22.30	21.95	21.83	21.86	21.84	
5	16QAM	12	0	21.31	21.20	21.07	20.99	21.02	22
5	16QAM	12	7	21.07	21.10	21.03	20.96	20.98	
5	16QAM	12	13	21.10	21.11	20.83	21.00	20.99	
5	16QAM	25	0	21.16	21.16	21.01	21.01	20.93	
5	64QAM	1	0	21.21	21.31	21.07	21.18	21.12	
5	64QAM	1	12	20.87	21.10	20.99	21.17	21.10	22
5	64QAM	1	24	21.00	21.01	21.02	21.08	21.11	
5	64QAM	12	0	21.15	21.10	20.99	21.03	20.85	
5	64QAM	12	7	21.22	21.12	20.95	21.00	20.95	
5	64QAM	12	13	21.16	20.90	20.73	21.06	21.02	
5	64QAM	25	0	21.06	21.08	21.13	20.93	20.90	18
5	256QAM	1	0	17.09	17.19	16.95	17.06	17.00	
5	256QAM	1	12	16.88	16.98	16.87	17.05	16.98	
5	256QAM	1	24	16.94	17.00	16.90	16.96	16.99	
5	256QAM	12	0	17.02	16.97	16.86	16.90	16.80	
5	256QAM	12	7	17.09	16.99	16.82	16.87	16.82	18
5	256QAM	12	13	17.03	16.77	16.60	16.93	16.89	
5	256QAM	25	0	16.93	16.95	17.00	16.80	16.77	

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	24.16	24.19	24.10	25
20	QPSK	1	49	23.88	24.00	23.85	
20	QPSK	1	99	23.96	23.96	23.93	
20	QPSK	50	0	23.08	23.13	23.11	24
20	QPSK	50	24	23.01	23.09	23.08	
20	QPSK	50	50	23.12	23.07	23.09	
20	QPSK	100	0	23.08	23.13	23.10	24
20	16QAM	1	0	23.38	23.33	23.35	
20	16QAM	1	49	23.25	23.34	23.11	
20	16QAM	1	99	23.19	23.26	23.34	23
20	16QAM	50	0	22.05	21.98	21.97	
20	16QAM	50	24	22.17	22.12	22.00	
20	16QAM	50	50	22.10	22.09	22.06	23
20	16QAM	100	0	22.11	22.08	21.98	
20	64QAM	1	0	22.34	22.31	22.32	
20	64QAM	1	49	22.22	22.32	22.06	23
20	64QAM	1	99	22.13	22.26	22.27	
20	64QAM	50	0	22.02	21.97	21.97	
20	64QAM	50	24	22.09	22.07	21.99	23
20	64QAM	50	50	22.02	22.03	22.03	
20	64QAM	100	0	22.13	22.02	21.91	
20	256QAM	1	0	18.23	18.18	18.25	19
20	256QAM	1	49	18.06	18.23	18.46	
20	256QAM	1	99	18.08	18.15	18.23	
20	256QAM	50	0	18.38	18.31	18.32	19
20	256QAM	50	24	17.98	18.02	18.33	
20	256QAM	50	50	18.01	18.44	18.42	
20	256QAM	100	0	18.47	18.00	18.33	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	Tune-up limit (dBm)
15	QPSK	1	0	24.10	24.13	24.04	25
15	QPSK	1	37	23.82	23.94	23.79	
15	QPSK	1	74	23.90	23.90	23.87	
15	QPSK	36	0	23.02	23.07	23.05	24
15	QPSK	36	20	22.95	23.03	23.02	
15	QPSK	36	39	23.06	23.01	23.03	
15	QPSK	75	0	23.02	23.07	23.04	24
15	16QAM	1	0	23.32	23.27	23.29	
15	16QAM	1	37	23.19	23.28	23.05	
15	16QAM	1	74	23.13	23.20	23.28	23
15	16QAM	36	0	21.99	21.92	21.91	
15	16QAM	36	20	22.11	22.06	21.94	
15	16QAM	36	39	22.04	22.03	22.00	23
15	16QAM	75	0	22.05	22.02	21.92	
15	64QAM	1	0	22.28	22.25	22.26	
15	64QAM	1	37	22.16	22.26	22.00	23
15	64QAM	1	74	22.07	22.20	22.21	
15	64QAM	36	0	21.96	21.91	21.91	23
15	64QAM	36	20	22.03	22.01	21.93	
15	64QAM	36	39	21.96	21.97	21.97	
15	64QAM	75	0	22.07	21.96	21.85	19
15	256QAM	1	0	18.17	18.12	18.19	
15	256QAM	1	37	18.00	18.17	17.90	
15	256QAM	1	74	18.02	18.09	18.17	19
15	256QAM	36	0	18.22	18.15	18.16	
15	256QAM	36	20	18.72	17.96	18.17	
15	256QAM	36	39	18.35	18.28	18.26	19
15	256QAM	75	0	17.91	17.94	18.17	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	24.04	24.07	23.98	25
10	QPSK	1	25	23.76	23.88	23.73	
10	QPSK	1	49	23.84	23.84	23.81	
10	QPSK	25	0	22.96	23.01	22.99	24
10	QPSK	25	12	22.89	22.97	22.96	
10	QPSK	25	25	23.00	22.95	22.97	
10	QPSK	50	0	22.96	23.01	22.98	24
10	16QAM	1	0	23.26	23.21	23.23	
10	16QAM	1	25	23.13	23.22	22.99	
10	16QAM	1	49	23.07	23.14	23.22	23
10	16QAM	25	0	21.93	21.86	21.85	
10	16QAM	25	12	22.05	22.00	21.88	
10	16QAM	25	25	21.98	21.97	21.94	23
10	16QAM	50	0	21.99	21.96	21.86	
10	64QAM	1	0	22.22	22.19	22.20	
10	64QAM	1	25	22.10	22.20	21.94	23
10	64QAM	1	49	22.01	22.14	22.15	
10	64QAM	25	0	21.90	21.85	21.85	
10	64QAM	25	12	21.97	21.95	21.87	23
10	64QAM	25	25	21.90	21.91	21.91	
10	64QAM	50	0	22.01	21.90	21.79	
10	256QAM	1	0	18.11	18.06	18.13	19
10	256QAM	1	25	17.94	18.11	17.84	
10	256QAM	1	49	17.96	18.03	18.11	
10	256QAM	25	0	18.06	17.99	18.00	19
10	256QAM	25	12	17.86	17.90	18.01	
10	256QAM	25	25	17.89	17.82	17.80	
10	256QAM	50	0	17.85	17.88	18.01	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	Tune-up limit (dBm)
5	QPSK	1	0	24.01	24.04	23.95	25
5	QPSK	1	12	23.73	23.85	23.70	
5	QPSK	1	24	23.81	23.81	23.78	
5	QPSK	12	0	22.93	22.98	22.96	24
5	QPSK	12	7	22.86	22.94	22.93	
5	QPSK	12	13	22.97	22.92	22.94	
5	QPSK	25	0	22.93	22.98	22.95	24
5	16QAM	1	0	23.23	23.18	23.20	
5	16QAM	1	12	23.10	23.19	22.96	

Band 71 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				133222	133322	133372	
Frequency (MHz)				673	683	688	
20	QPSK	1	0	22.99	23.12	23.05	24
20	QPSK	1	49	22.96	23.02	22.95	
20	QPSK	1	99	23.07	23.04	23.08	
20	QPSK	50	0	22.10	22.18	22.14	23
20	QPSK	50	24	22.03	22.06	22.10	
20	QPSK	50	50	22.14	22.17	22.15	
20	QPSK	100	0	22.09	22.19	22.11	23
20	16QAM	1	0	22.30	22.34	22.34	
20	16QAM	1	49	22.32	22.41	22.39	
20	16QAM	1	99	22.35	22.42	22.40	22
20	16QAM	50	0	21.02	21.06	21.11	
20	16QAM	50	24	21.17	21.19	21.16	
20	16QAM	50	50	21.16	21.21	21.18	22
20	16QAM	100	0	21.15	21.07	21.21	
20	64QAM	1	0	21.24	21.38	21.29	
20	64QAM	1	49	21.26	21.41	21.33	22
20	64QAM	1	99	21.36	21.47	21.37	
20	64QAM	50	0	20.96	21.00	21.10	
20	64QAM	50	24	21.17	21.17	21.16	22
20	64QAM	50	50	21.20	21.20	21.20	
20	64QAM	100	0	21.17	21.04	21.25	
20	256QAM	1	0	17.14	17.28	17.19	18
20	256QAM	1	49	17.16	17.31	17.23	
20	256QAM	1	99	17.26	17.37	17.27	
20	256QAM	50	0	16.87	16.91	17.01	18
20	256QAM	50	24	17.08	17.08	17.07	
20	256QAM	50	50	17.11	17.11	17.11	
20	256QAM	100	0	17.08	16.95	17.16	
Channel				133197	133297	133397	Tune-up limit (dBm)
Frequency (MHz)				670.5	680.5	690.5	
15	QPSK	1	0	22.93	23.06	22.99	24
15	QPSK	1	37	22.90	22.96	22.89	
15	QPSK	1	74	23.01	22.98	23.02	
15	QPSK	36	0	22.04	22.12	22.08	23
15	QPSK	36	20	21.97	22.00	22.04	
15	QPSK	36	39	22.08	22.11	22.09	
15	QPSK	75	0	22.03	22.13	22.05	23
15	16QAM	1	0	22.24	22.28	22.28	
15	16QAM	1	37	22.26	22.35	22.33	
15	16QAM	1	74	22.29	22.36	22.34	22
15	16QAM	36	0	20.96	21.00	21.05	
15	16QAM	36	20	21.11	21.13	21.10	
15	16QAM	36	39	21.10	21.15	21.12	22
15	16QAM	75	0	21.09	21.01	21.15	
15	64QAM	1	0	21.18	21.32	21.23	
15	64QAM	1	37	21.20	21.35	21.27	22
15	64QAM	1	74	21.30	21.41	21.31	
15	64QAM	36	0	20.90	20.94	21.04	
15	64QAM	36	20	21.11	21.11	21.10	22
15	64QAM	36	39	21.14	21.14	21.14	
15	64QAM	75	0	21.11	20.98	21.19	
15	256QAM	1	0	17.08	17.22	17.13	18
15	256QAM	1	37	17.10	17.25	17.17	
15	256QAM	1	74	17.20	17.31	17.21	
15	256QAM	36	0	16.81	16.85	16.95	18
15	256QAM	36	20	17.02	17.02	17.01	
15	256QAM	36	39	17.05	17.05	17.05	
15	256QAM	75	0	17.02	16.89	17.10	
Channel				133172	133272	133422	Tune-up limit (dBm)
Frequency (MHz)				668	678	693	
10	QPSK	1	0	22.89	23.02	22.95	24
10	QPSK	1	25	22.86	22.92	22.85	
10	QPSK	1	49	22.97	22.94	22.98	
10	QPSK	25	0	22.00	22.08	22.04	23
10	QPSK	25	12	21.93	21.96	22.00	
10	QPSK	25	25	22.04	22.07	22.05	
10	QPSK	50	0	21.99	22.09	22.01	23
10	16QAM	1	0	22.20	22.24	22.24	
10	16QAM	1	25	22.22	22.31	22.29	
10	16QAM	1	49	22.25	22.32	22.30	22
10	16QAM	25	0	20.92	20.96	21.01	
10	16QAM	25	12	21.07	21.09	21.06	
10	16QAM	25	25	21.06	21.11	21.08	22
10	16QAM	50	0	21.05	20.97	21.11	
10	64QAM	1	0	21.14	21.28	21.19	
10	64QAM	1	25	21.16	21.31	21.23	22
10	64QAM	1	49	21.26	21.37	21.27	
10	64QAM	25	0	20.86	20.90	21.00	
10	64QAM	25	12	21.07	21.07	21.06	22
10	64QAM	25	25	21.10	21.10	21.10	
10	64QAM	50	0	21.07	20.94	21.15	
10	256QAM	1	0	17.04	17.18	17.09	18
10	256QAM	1	25	17.06	17.21	17.13	
10	256QAM	1	49	17.16	17.27	17.17	
10	256QAM	25	0	16.77	16.81	16.91	18
10	256QAM	25	12	16.98	16.98	16.97	
10	256QAM	25	25	17.01	17.01	17.01	
10	256QAM	50	0	16.98	16.85	17.06	
Channel				133147	133247	133447	Tune-up limit (dBm)
Frequency (MHz)				665.5	675.5	695.5	
5	QPSK	1	0	22.86	22.99	22.92	24
5	QPSK	1	12	22.83	22.89	22.82	
5	QPSK	1	24	22.94	22.91	22.95	
5	QPSK	12	0	21.97	22.05	22.01	23
5	QPSK	12	7	21.90	21.93	21.97	
5	QPSK	12	13	22.01	22.04	22.02	
5	QPSK	25	0	21.96	22.06	21.98	23
5	16QAM	1	0	22.17	22.21	22.21	
5	16QAM	1	12	22.19	22.28	22.26	

5	16QAM	1	24	23.04	23.11	23.19	23
5	16QAM	12	0	21.90	21.83	21.82	
5	16QAM	12	7	22.02	21.97	21.85	
5	16QAM	12	13	21.95	21.94	21.91	
5	16QAM	25	0	21.96	21.93	21.83	23
5	64QAM	1	0	22.19	22.16	22.17	
5	64QAM	1	12	22.07	22.17	21.91	
5	64QAM	1	24	21.98	22.11	22.12	
5	64QAM	12	0	21.87	21.82	21.82	23
5	64QAM	12	7	21.94	21.92	21.84	
5	64QAM	12	13	21.87	21.88	21.88	
5	64QAM	25	0	21.98	21.87	21.76	
5	256QAM	1	0	18.08	18.03	18.10	19
5	256QAM	1	12	17.91	18.08	17.81	
5	256QAM	1	24	17.93	18.00	18.08	
5	256QAM	12	0	17.93	17.86	17.87	
5	256QAM	12	7	17.83	17.87	17.88	19
5	256QAM	12	13	17.86	17.99	17.97	
5	256QAM	25	0	17.82	17.85	17.88	
Channel				131987	132322	132657	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	23.97	24.00	23.91	25
3	QPSK	1	8	23.69	23.81	23.66	
3	QPSK	1	14	23.77	23.77	23.74	
3	QPSK	8	0	22.89	22.94	22.92	
3	QPSK	8	4	22.82	22.90	22.89	24
3	QPSK	8	7	22.93	22.88	22.90	
3	QPSK	15	0	22.89	22.94	22.91	
3	16QAM	1	0	23.19	23.14	23.16	
3	16QAM	1	8	23.06	23.15	22.92	24
3	16QAM	1	14	23.00	23.07	23.15	
3	16QAM	8	0	21.86	21.79	21.78	
3	16QAM	8	4	21.98	21.93	21.81	
3	16QAM	8	7	21.91	21.90	21.87	23
3	16QAM	15	0	21.92	21.89	21.79	
3	64QAM	1	0	22.15	22.12	22.13	
3	64QAM	1	8	22.03	22.13	21.87	
3	64QAM	1	14	21.94	22.07	22.08	23
3	64QAM	8	0	21.83	21.78	21.78	
3	64QAM	8	4	21.90	21.88	21.80	
3	64QAM	8	7	21.83	21.84	21.84	
3	64QAM	15	0	21.94	21.83	21.72	19
3	256QAM	1	0	18.04	17.99	18.06	
3	256QAM	1	8	17.87	18.04	17.87	
3	256QAM	1	14	17.89	17.96	18.04	
3	256QAM	8	0	17.79	17.72	17.73	19
3	256QAM	8	4	17.79	17.83	17.74	
3	256QAM	8	7	17.82	17.75	17.83	
3	256QAM	15	0	17.78	17.81	17.74	
Channel				131979	132322	132665	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	23.93	23.96	23.87	25
1.4	QPSK	1	3	23.65	23.77	23.62	
1.4	QPSK	1	5	23.73	23.73	23.70	
1.4	QPSK	3	0	22.85	22.90	22.88	
1.4	QPSK	3	1	22.78	22.86	22.85	24
1.4	QPSK	3	3	22.89	22.84	22.86	
1.4	QPSK	6	0	22.85	22.90	22.87	
1.4	16QAM	1	0	23.15	23.10	23.12	
1.4	16QAM	1	3	23.02	23.11	22.88	24
1.4	16QAM	1	5	22.96	23.03	23.11	
1.4	16QAM	3	0	21.82	21.75	21.74	
1.4	16QAM	3	1	21.94	21.89	21.77	
1.4	16QAM	3	3	21.87	21.86	21.83	23
1.4	16QAM	6	0	21.88	21.85	21.75	
1.4	64QAM	1	0	22.11	22.08	22.09	
1.4	64QAM	1	3	21.99	22.09	21.83	
1.4	64QAM	1	5	21.90	22.03	22.04	23
1.4	64QAM	3	0	21.79	21.74	21.74	
1.4	64QAM	3	1	21.86	21.84	21.76	
1.4	64QAM	3	3	21.79	21.80	21.80	
1.4	64QAM	6	0	21.90	21.79	21.68	23
1.4	256QAM	1	0	18.00	17.95	18.02	
1.4	256QAM	1	3	17.83	18.00	17.83	
1.4	256QAM	1	5	17.85	17.92	18.00	
1.4	256QAM	3	0	17.75	17.68	17.69	19
1.4	256QAM	3	1	17.75	17.99	17.70	
1.4	256QAM	3	3	17.78	17.71	17.79	
1.4	256QAM	6	0	17.84	17.77	17.70	

5	16QAM	1	24	22.22	22.29	22.27	22
5	16QAM	12	0	20.89	20.93	20.98	
5	16QAM	12	7	21.04	21.06	21.03	
5	16QAM	12	13	21.03	21.08	21.05	
5	16QAM	25	0	21.02	20.94	21.08	22
5	64QAM	1	0	21.11	21.25	21.16	
5	64QAM	1	12	21.13	21.28	21.20	
5	64QAM	1	24	21.23	21.34	21.24	
5	64QAM	12	0	20.83	20.87	20.97	22
5	64QAM	12	7	21.04	21.04	21.03	
5	64QAM	12	13	21.07	21.07	21.07	
5	64QAM	25	0	21.04	20.91	21.12	
5	256QAM	1	0	17.01	17.15	17.06	18
5	256QAM	1	12	17.03	17.18	17.10	
5	256QAM	1	24	17.13	17.24	17.14	
5	256QAM	12	0	16.74	16.78	16.88	
5	256QAM	12	7	16.95	16.95	16.94	18
5	256QAM	12	13	16.98	16.98	16.98	
5	256QAM	25	0	16.95	16.82	17.03	

B5_n2							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	25.00
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.89	23.80	23.77	25.00
20		1	53	23.85	23.68	23.79	
20		1	104	23.86	22.78	23.76	
20		50	1	23.47	23.45	23.37	25.00
20	DFT-s-OFDM QPSK	50	25	23.90	23.70	23.73	
20		50	50	23.54	23.26	23.39	
20		100	0	23.57	23.42	23.47	
20		1	1	24.06	23.84	23.81	25.00
20	DFT-s-OFDM 16QAM	1	53	23.85	23.67	23.82	
20		1	104	23.86	23.62	23.75	
20		50	1	23.09	23.06	23.08	25.00
20		50	25	23.92	23.83	23.87	
20	DFT-s-OFDM 64QAM	50	50	23.02	22.76	22.78	
20		100	0	23.01	22.96	22.88	
20	DFT-s-OFDM 256QAM	1	1	23.29	23.34	23.21	24.00
20	CP-OFDM QPSK	1	1	21.68	21.63	21.61	22.50
20	CP-OFDM 16QAM	1	1	19.51	19.44	19.38	20.50
20	CP-OFDM 64QAM	1	1	22.48	22.51	22.42	23.50
20	CP-OFDM 256QAM	1	1	22.00	21.89	21.82	22.50
20		1	1	20.57	19.82	20.26	21.00
20		1	1	17.55	17.47	17.48	18.50
Channel				371500	376000	380500	25.00
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	23.96	23.79	23.82	25.00
Channel				370991.5	375991.5	380991.5	25.00
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	24.02	23.88	23.91	25.00
Channel				370500	376000	381500	25.00
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	24.01	23.83	23.89	25.00

B12_n2							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.96	23.96	23.94	25.00
20		1	53	23.95	23.93	24.00	
20		1	104	24.00	23.93	23.92	
20		50	1	23.63	23.59	23.62	24.00
20		50	25	23.99	23.99	23.99	
20		50	50	23.70	23.58	23.58	
20		100	0	23.72	23.60	23.59	
20	DFT-s-OFDM QPSK	1	1	24.09	24.02	24.03	16.50
20		1	53	23.89	23.84	23.93	
20		1	104	23.90	23.90	23.84	
20		50	1	23.10	23.14	23.10	15.50
20		50	25	23.95	23.91	23.90	
20		50	50	23.19	23.09	23.10	
20		100	0	23.25	23.13	23.10	
20	DFT-s-OFDM 16QAM	1	1	23.27	23.25	23.27	24.00
20	DFT-s-OFDM 64QAM	1	1	21.43	21.42	21.47	23.00
20	DFT-s-OFDM 256QAM	1	1	19.45	19.45	19.46	19.00
20	CP-OFDM QPSK	1	1	22.54	22.52	22.52	25.00
20	CP-OFDM 16QAM	1	1	22.42	22.40	22.41	24.00
20	CP-OFDM 64QAM	1	1	20.36	20.35	20.37	23.00
20	CP-OFDM 256QAM	1	1	17.47	17.47	17.47	19.00
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	23.96	23.87	23.82	25.00
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	24.06	23.97	24.03	25.00
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	24.04	23.98	24.01	25.00

B66_n2							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	24.06	24.04	24.03	25.00
20		1	53	24.05	24.00	24.06	
20		1	104	24.10	24.04	24.02	
20		50	1	23.69	23.67	23.72	24.00
20		50	25	24.08	24.07	24.10	
20		50	50	23.81	23.68	23.63	
20		100	0	23.81	23.70	23.70	
20	DFT-s-OFDM QPSK	1	1	24.12	24.08	24.10	25.00
20		1	53	23.97	23.93	24.06	
20		1	104	24.05	23.98	23.95	
20		50	1	23.22	23.23	23.21	25.00
20		50	25	24.11	24.09	24.09	
20		50	50	23.28	23.14	23.16	
20		100	0	23.35	23.21	23.21	
20	DFT-s-OFDM 16QAM	1	1	23.37	23.32	23.34	24.00
20	DFT-s-OFDM 64QAM	1	1	21.56	21.54	21.56	23.00
20	DFT-s-OFDM 256QAM	1	1	19.51	19.49	19.51	20.00
20	CP-OFDM QPSK	1	1	22.64	22.59	22.63	25.00
20	CP-OFDM 16QAM	1	1	22.50	22.43	17.77	24.00
20	CP-OFDM 64QAM	1	1	20.45	20.44	20.54	23.00
20	CP-OFDM 256QAM	1	1	17.59	17.58	17.51	19.00
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	24.05	23.98	23.94	25.00
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	24.08	24.10	24.05	25.00
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	24.07	24.09	24.06	25.00

B2_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.73	23.68	23.66	25.00
20		1	53	23.57	23.56	23.51	
20		1	104	23.48	23.51	23.52	
20		50	1	23.66	23.64	23.58	21.00
20		50	25	23.59	23.55	23.53	
20		50	50	23.55	23.53	23.52	
20		100	0	23.63	23.62	23.63	
20	DFT-s-OFDM QPSK	1	1	24.07	24.02	23.87	21.50
20		1	53	23.60	23.59	23.68	
20		1	104	23.49	23.51	23.53	
20		50	1	23.66	23.63	23.62	21.00
20		50	25	23.59	23.56	23.53	
20		50	50	23.55	23.53	23.51	
20		100	0	23.64	23.63	23.65	
20	DFT-s-OFDM 16QAM	1	1	24.06	24.01	23.95	25.00
20	DFT-s-OFDM 64QAM	1	1	22.44	22.39	22.36	23.00
20	DFT-s-OFDM 256QAM	1	1	20.32	20.28	20.24	21.00
20	CP-OFDM QPSK	1	1	23.29	23.26	23.23	24.00
20	CP-OFDM 16QAM	1	1	22.70	22.64	22.57	23.50
20	CP-OFDM 64QAM	1	1	21.36	21.30	21.29	22.00
20	CP-OFDM 256QAM	1	1	18.35	18.30	18.25	19.00
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	23.76	23.68	23.59	25.00
Channel				165800	167300	168800	Tune-up limit
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.69	23.56	23.56	25.00
Channel				165300	167300	169300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.77	23.56	23.57	25.00

B66_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	24.05	24.01	23.98	25.00
20		1	53	23.89	23.90	23.81	
20		1	104	23.67	23.57	23.48	
20		50	1	24.04	24.05	23.94	21.50
20		50	25	23.94	23.98	23.91	
20		50	50	23.91	23.84	23.76	
20		100	0	23.97	24.02	23.93	
20	DFT-s-OFDM QPSK	1	1	24.30	24.05	24.01	21.50
20		1	53	23.95	23.93	23.88	
20		1	104	23.70	23.58	23.52	
20		50	1	24.08	24.02	24.00	21.50
20		50	25	23.97	24.01	23.91	
20		50	50	23.93	23.80	23.73	
20		100	0	23.97	23.99	23.98	
20	DFT-s-OFDM 16QAM	1	1	24.29	24.28	24.28	25.00
20	DFT-s-OFDM 64QAM	1	1	22.75	22.72	22.72	23.50
20	DFT-s-OFDM 256QAM	1	1	20.71	20.66	20.68	21.50
20	CP-OFDM QPSK	1	1	23.64	23.62	23.64	24.50
20	CP-OFDM 16QAM	1	1	23.02	22.95	22.92	24.00
20	CP-OFDM 64QAM	1	1	21.70	21.63	21.62	22.50
20	CP-OFDM 256QAM	1	1	18.71	18.67	18.65	19.50
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	24.06	23.99	23.87	25.00
Channel				165800	167300	168800	Tune-up limit
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	23.88	23.71	23.48	25.00
Channel				165300	167300	169300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	23.89	23.71	23.37	25.00

B2_n41 (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	27.00
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	26.12	26.11	26.00	27.00
100		1	136	26.05	25.96	25.86	
100		1	271	26.01	25.94	25.99	
100		135	1	25.76	25.74	25.54	27.00
100		135	67	26.11	26.05	25.94	
100		135	136	25.68	25.53	25.43	
100		270	0	25.74	25.79	25.64	
100	DFT-s-OFDM QPSK	1	1	26.13	26.09	26.01	27.00
100		1	136	26.04	25.94	25.78	
100		1	271	25.99	25.88	25.91	
100		135	1	25.27	25.26	25.09	27.00
100		135	67	26.12	26.07	25.95	
100		135	136	25.22	25.03	24.98	
100		270	0	25.26	25.32	25.15	
100	DFT-s-OFDM 16QAM	1	1	25.26	25.27	25.27	26.00
100	DFT-s-OFDM 64QAM	1	1	23.93	23.86	23.86	25.00
100	DFT-s-OFDM 256QAM	1	1	21.61	21.52	21.45	22.50
100	CP-OFDM QPSK	1	1	24.76	24.81	24.63	25.50
100	CP-OFDM 16QAM	1	1	24.32	24.33	24.13	25.00
100	CP-OFDM 64QAM	1	1	22.84	22.83	22.76	23.50
100	CP-OFDM 256QAM	1	1	19.64	19.62	19.51	20.50
Channel				508200	518598	528996	27.00
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	25.99	26.02	25.81	27.00
Channel				507204	518598	529998	27.00
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	26.03	26.05	25.80	27.00
Channel				506202	518598	531000	27.00
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	26.04	26.12	25.81	27.00
Channel				505200	518598	531996	27.00
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	25.56	25.58	25.35	27.00
Channel				504204	518598	532998	27.00
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	26.13	25.76	25.46	27.00
Channel				503202	518598	534000	27.00
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	26.07	26.37	25.99	27.00
Channel				502200	518598	534996	27.00
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	26.04	26.12	25.87	27.00
Channel				501204	518598	535998	27.00
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	26.06	26.12	25.98	27.00

B2_n41 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	23.28	23.33	23.18	24.50
100		1	136	23.16	23.13	23.03	
100		1	271	23.16	23.12	23.14	
100		135	1	23.30	23.32	23.11	24.50
100		135	67	23.26	23.23	23.07	
100		135	136	23.20	23.15	23.02	
100		270	0	23.26	23.36	23.20	
100	DFT-s-OFDM QPSK	1	1	23.35	23.48	23.37	24.50
100		1	136	23.20	23.16	22.99	
100		1	271	23.13	23.12	23.15	
100		135	1	23.30	23.32	23.12	24.50
100		135	67	23.28	23.27	23.09	
100		135	136	23.22	23.13	23.01	
100		270	0	23.29	23.00	23.20	
100	DFT-s-OFDM 16QAM	1	1	23.30	23.39	23.25	24.50
100	DFT-s-OFDM 64QAM	1	1	23.41	23.47	23.34	24.50
100	DFT-s-OFDM 256QAM	1	1	21.64	21.66	21.51	22.50
100	CP-OFDM QPSK	1	1	23.32	23.33	23.16	24.00
100	CP-OFDM 16QAM	1	1	23.42	23.37	23.30	24.00
100	CP-OFDM 64QAM	1	1	22.92	22.91	22.75	24.00
100	CP-OFDM 256QAM	1	1	19.73	19.70	19.53	20.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	23.18	23.19	22.98	24.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	23.20	23.21	22.99	24.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	23.22	23.31	23.02	24.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	22.75	22.71	22.55	24.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	23.32	22.92	22.69	24.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	23.24	23.36	23.16	24.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	23.21	23.39	23.05	24.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	23.28	23.30	23.16	24.50

B66_n41 (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	27.00
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	26.12	26.11	26.03	27.00
100		1	136	26.06	25.95	25.88	
100		1	271	26.02	25.93	25.98	
100		135	1	25.77	25.73	25.55	27.00
100		135	67	26.17	26.06	25.94	
100		135	136	25.72	25.53	25.43	
100		270	0	25.77	25.79	25.67	
100	DFT-s-OFDM QPSK	1	1	26.18	26.09	25.96	27.00
100		1	136	26.08	25.94	25.75	
100		1	271	26.00	25.89	25.90	
100		135	1	25.28	25.26	25.07	27.00
100		135	67	26.13	26.06	25.92	
100		135	136	25.22	25.03	24.96	
100		270	0	25.28	25.31	25.18	
100	DFT-s-OFDM 16QAM	1	1	25.29	25.35	25.27	26.00
100	DFT-s-OFDM 64QAM	1	1	23.97	23.93	23.74	25.00
100	DFT-s-OFDM 256QAM	1	1	21.58	21.55	21.49	22.50
100	CP-OFDM QPSK	1	1	24.81	24.78	24.69	25.50
100	CP-OFDM 16QAM	1	1	24.38	24.31	24.16	25.00
100	CP-OFDM 64QAM	1	1	22.85	22.78	22.68	23.50
100	CP-OFDM 256QAM	1	1	19.58	19.64	19.42	20.50
Channel				508200	518598	528996	27.00
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	26.01	26.04	25.85	27.00
Channel				507204	518598	529998	27.00
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	26.05	26.09	25.83	27.00
Channel				506202	518598	531000	27.00
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	26.06	26.16	25.88	27.00
Channel				505200	518598	531996	27.00
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	25.61	26.14	26.00	27.00
Channel				504204	518598	532998	27.00
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	25.77	26.12	26.11	27.00
Channel				503202	518598	534000	27.00
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	26.14	26.13	26.05	27.00
Channel				502200	518598	534996	27.00
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	26.15	26.07	25.96	27.00
Channel				501204	518598	535998	27.00
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	26.09	26.02	26.11	27.00

B66_n41 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	Tune-up limit (dBm)
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	23.27	23.25	23.12	24.50
100		1	136	23.17	23.06	23.00	
100		1	271	23.12	23.07	23.10	
100		135	1	23.30	23.26	23.08	24.50
100		135	67	23.24	23.18	23.06	
100		135	136	23.22	23.04	22.96	
100		270	0	23.25	23.30	23.16	
100	DFT-s-OFDM QPSK	1	1	23.32	23.36	23.22	24.00
100		1	136	23.21	23.10	22.96	
100		1	271	23.12	23.06	23.12	
100		135	1	23.30	23.26	23.09	24.00
100		135	67	23.24	23.19	23.07	
100		135	136	23.21	23.05	22.98	
100		270	0	23.24	23.32	23.18	
100	DFT-s-OFDM 16QAM	1	1	23.30	23.28	23.16	24.00
100	DFT-s-OFDM 64QAM	1	1	23.35	23.34	23.35	24.00
100	DFT-s-OFDM 256QAM	1	1	21.64	21.55	21.51	22.50
100	CP-OFDM QPSK	1	1	23.23	23.26	23.14	24.00
100	CP-OFDM 16QAM	1	1	23.33	23.32	23.24	24.00
100	CP-OFDM 64QAM	1	1	22.86	22.86	22.73	23.50
100	CP-OFDM 256QAM	1	1	19.65	19.65	19.55	20.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	23.17	23.16	22.98	24.50
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	23.20	23.23	23.01	24.50
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	23.23	23.31	23.04	24.50
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	22.74	23.24	23.17	24.50
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	22.92	23.33	23.22	24.50
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	23.33	23.25	23.19	24.50
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	23.27	23.21	23.08	24.50
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	23.24	23.32	23.33	24.50

B2_n66

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				346000	349000	352000	25.00
Frequency (MHz)				1730	1745	1760	
40	DFT-s-OFDM PI/2 BPSK	1	1	24.05	24.04	23.99	25.00
40		1	108	24.03	24.17	24.10	
40		1	214	24.17	24.12	24.02	
40		108	1	23.82	23.83	23.89	25.00
40		108	54	24.14	24.14	24.06	
40		108	108	23.77	23.88	23.83	
40		216	0	23.78	23.82	23.87	
40	DFT-s-OFDM QPSK	1	1	24.12	24.18	24.19	25.00
40		1	108	23.98	24.06	24.01	
40		1	214	24.10	24.08	23.96	
40		108	1	23.32	23.28	23.36	25.00
40		108	54	24.06	24.01	24.11	
40		108	108	23.24	23.34	23.30	
40		216	0	23.33	23.30	23.36	
40	DFT-s-OFDM 16QAM	1	1	23.34	23.32	23.25	24.00
40	DFT-s-OFDM 64QAM	1	1	21.53	21.56	21.49	22.50
40	DFT-s-OFDM 256QAM	1	1	19.75	19.71	19.65	20.50
40	CP-OFDM QPSK	1	1	22.60	22.57	22.48	23.50
40	CP-OFDM 16QAM	1	1	22.44	22.38	22.32	23.00
40	CP-OFDM 64QAM	1	1	20.45	20.42	20.38	21.50
40	CP-OFDM 256QAM	1	1	17.80	17.79	17.76	18.50
Channel				345000	349000	353000	25.00
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM QPSK	1	1	24.00	23.96	24.01	25.00
Channel				344000	349000	354000	25.00
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	24.03	23.98	23.94	25.00
Channel				343500	349000	354500	25.00
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	24.05	24.00	23.92	25.00
Channel				343000	349000	355000	25.00
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	24.11	24.05	24.11	25.00
Channel				342500	349000	355500	25.00
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	24.08	24.06	24.10	25.00

B12_n66

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				346000	349000	352000	25.00
Frequency (MHz)				1730	1745	1760	
40	DFT-s-OFDM PI/2 BPSK	1	1	24.03	24.02	23.96	25.00
40		1	108	24.02	24.14	24.06	
40		1	214	24.12	24.12	24.00	
40		108	1	23.81	23.80	23.82	25.00
40		108	54	24.13	24.12	24.17	
40		108	108	23.76	23.87	23.76	
40		216	0	23.76	23.76	23.84	
40	DFT-s-OFDM QPSK	1	1	24.08	24.06	24.19	25.00
40		1	108	23.97	24.04	23.98	
40		1	214	24.02	24.03	23.97	
40		108	1	23.33	23.30	23.35	25.00
40		108	54	24.02	24.05	24.11	
40		108	108	23.24	23.36	23.25	
40		216	0	23.26	23.24	23.37	
40	DFT-s-OFDM 16QAM	1	1	23.32	23.28	23.22	24.00
40	DFT-s-OFDM 64QAM	1	1	21.51	21.53	21.47	22.50
40	DFT-s-OFDM 256QAM	1	1	19.74	19.69	19.63	20.50
40	CP-OFDM QPSK	1	1	22.56	22.54	22.47	23.50
40	CP-OFDM 16QAM	1	1	22.44	22.37	22.30	23.00
40	CP-OFDM 64QAM	1	1	20.46	20.39	20.34	21.50
40	CP-OFDM 256QAM	1	1	17.80	17.76	17.69	18.50
Channel				345000	349000	353000	25.00
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM QPSK	1	1	23.99	23.93	23.97	25.00
Channel				344000	349000	354000	25.00
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	24.00	23.95	23.93	25.00
Channel				343500	349000	354500	25.00
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	24.03	23.98	23.91	25.00
Channel				343000	349000	355000	25.00
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	24.02	24.06	24.08	25.00
Channel				342500	349000	355500	25.00
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	24.03	24.08	24.09	25.00

B2_n71 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	DFT-s-OFDM PI/2 BPSK	1	1	22.97	22.81	22.78	24.00
20		1	53	22.80	22.76	22.62	
20		1	104	22.70	22.53	22.27	
20		50	1	22.51	22.50	22.35	24.00
20		50	25	22.79	22.82	22.66	
20		50	50	22.47	22.28	22.11	
20		100	0	22.46	22.45	22.24	
20	DFT-s-OFDM QPSK	1	1	23.08	22.94	22.89	24.00
20		1	53	22.78	22.76	22.79	
20		1	104	22.72	22.53	22.68	
20		50	1	22.07	21.99	21.86	24.00
20		50	25	22.86	22.77	22.79	
20		50	50	21.92	21.79	21.57	
20		100	0	21.98	21.92	21.72	
20	DFT-s-OFDM 16QAM	1	1	22.35	22.25	22.21	23.00
20	DFT-s-OFDM 64QAM	1	1	20.84	20.66	20.65	21.50
20	DFT-s-OFDM 256QAM	1	1	18.45	18.30	18.27	19.00
20	CP-OFDM QPSK	1	1	21.67	21.47	21.41	22.50
20	CP-OFDM 16QAM	1	1	21.03	20.96	20.92	22.00
20	CP-OFDM 64QAM	1	1	19.68	19.53	19.52	20.50
20	CP-OFDM 256QAM	1	1	16.50	16.35	16.33	17.50
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	
15	DFT-s-OFDM QPSK	1	1	23.05	22.82	22.72	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	
10	DFT-s-OFDM QPSK	1	1	23.05	22.89	22.70	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	
5	DFT-s-OFDM QPSK	1	1	23.02	22.75	22.49	24.00

B66_n71 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				134600	136100	137600	Tune-up limit (dBm)
Frequency (MHz)				673	680.5	688	
20	DFT-s-OFDM PI/2 BPSK	1	1	23.00	22.83	22.84	24.00
20		1	53	22.80	22.76	22.61	
20		1	104	22.71	22.54	22.28	
20		50	1	22.56	22.50	22.36	24.00
20		50	25	22.79	22.84	22.64	
20		50	50	22.50	22.29	22.10	
20		100	0	22.50	22.47	22.23	
20	DFT-s-OFDM QPSK	1	1	23.04	23.01	22.95	24.00
20		1	53	22.83	22.78	22.61	
20		1	104	22.71	22.54	22.31	
20		50	1	22.11	22.00	21.84	24.00
20		50	25	22.90	22.82	22.89	
20		50	50	21.96	21.79	21.60	
20		100	0	22.01	21.97	21.72	
20	DFT-s-OFDM 16QAM	1	1	22.37	22.05	22.19	23.00
20	DFT-s-OFDM 64QAM	1	1	20.71	20.53	20.64	21.50
20	DFT-s-OFDM 256QAM	1	1	18.55	18.41	18.27	19.00
20	CP-OFDM QPSK	1	1	21.62	21.45	21.44	22.50
20	CP-OFDM 16QAM	1	1	21.23	21.06	20.91	22.00
20	CP-OFDM 64QAM	1	1	19.68	19.50	19.50	20.50
20	CP-OFDM 256QAM	1	1	16.56	16.38	16.33	17.50
Channel				134100	136100	138100	Tune-up limit
Frequency (MHz)				670.5	680.5	690.5	
15	DFT-s-OFDM QPSK	1	1	23.03	22.82	22.71	24.00
Channel				133600	136100	138600	Tune-up limit
Frequency (MHz)				668	680.5	693	
10	DFT-s-OFDM QPSK	1	1	23.04	22.90	22.71	24.00
Channel				133100	136100	139100	Tune-up limit
Frequency (MHz)				665.5	680.5	695.5	
5	DFT-s-OFDM QPSK	1	1	23.05	22.82	22.51	24.00

B2_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		26.50		27.50
100		1	136		26.13		
100		1	271		26.01		
100		135	1		25.92		27.00
100		135	67		26.26		
100		135	136		25.38		
100		270	0		25.84		
100	DFT-s-OFDM QPSK	1	1		26.54		27.50
100		1	136		26.13		
100		1	271		25.98		
100		135	1		25.42		27.00
100		135	67		26.21		
100		135	136		24.89		
100		270	0		25.33		
100	DFT-s-OFDM 16QAM	1	1		25.75		26.50
100	DFT-s-OFDM 64QAM	1	1		24.33		25.50
100	DFT-s-OFDM 256QAM	1	1		21.97		23.00
100	CP-OFDM QPSK	1	1		25.11		26.00
100	CP-OFDM 16QAM	1	1		24.61		25.50
100	CP-OFDM 64QAM	1	1		23.23		24.00
100	CP-OFDM 256QAM	1	1		19.95		21.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	26.42	26.32	26.32	27.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	26.44	26.39	26.31	27.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	26.48	26.33	26.23	27.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	26.50	26.46	26.32	27.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	26.46	26.46	26.30	27.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	26.48	26.39	26.45	27.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	26.50	26.46	26.17	27.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	26.37	26.51	26.10	27.50

B2_n77(3450-3550MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		23.61		24.50
100		1	136		23.30		
100		1	271		23.13		
100		135	1		23.58		24.50
100		135	67		23.42		
100		135	136		22.92		
100		270	0		23.39		
100	DFT-s-OFDM QPSK	1	1		23.83		24.50
100		1	136		23.30		
100		1	271		23.17		
100		135	1		23.65		24.50
100		135	67		23.41		
100		135	136		22.91		
100		270	0		23.42		
100	DFT-s-OFDM 16QAM	1	1		23.77		24.50
100	DFT-s-OFDM 64QAM	1	1		23.79		24.50
100	DFT-s-OFDM 256QAM	1	1		22.05		23.00
100	CP-OFDM QPSK	1	1		23.69		24.50
100	CP-OFDM 16QAM	1	1		23.76		24.50
100	CP-OFDM 64QAM	1	1		23.26		24.00
100	CP-OFDM 256QAM	1	1		19.98		21.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	23.67	23.51	23.54	24.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	23.67	23.56	23.51	24.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	23.65	23.55	23.44	24.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	23.71	23.63	23.43	24.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	23.69	23.64	23.48	24.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	23.64	23.59	23.68	24.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	23.61	23.59	23.41	24.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	23.56	23.68	23.27	24.50

B2_n77(3700-3980MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	27.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.90	25.95	26.11	27.00
100		1	136	26.24	26.25	25.84	
100		1	271	25.96	26.24	26.16	
100		135	1	25.97	25.61	25.68	27.00
100		135	67	26.18	26.33	25.93	
100		135	136	25.55	25.58	25.65	
100		270	0	25.67	25.93	25.57	
100	DFT-s-OFDM QPSK	1	1	25.84	25.93	26.11	27.00
100		1	136	26.26	26.35	26.29	
100		1	271	25.96	26.26	26.05	
100		135	1	25.49	25.09	25.20	27.00
100		135	67	26.16	26.31	25.86	
100		135	136	25.06	25.03	25.12	
100		270	0	25.21	25.40	25.06	
100	DFT-s-OFDM 16QAM	1	1	25.13	25.18	25.32	26.00
100	DFT-s-OFDM 64QAM	1	1	23.68	23.85	23.94	25.00
100	DFT-s-OFDM 256QAM	1	1	21.35	21.45	21.61	22.50
100	CP-OFDM QPSK	1	1	24.53	24.62	24.73	25.50
100	CP-OFDM 16QAM	1	1	24.18	24.15	24.36	25.00
100	CP-OFDM 64QAM	1	1	22.65	22.67	22.80	23.50
100	CP-OFDM 256QAM	1	1	19.33	19.49	19.56	20.50
Channel				649666	656000	662332	27.00
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	25.90	25.85	26.13	27.00
Channel				649334	656000	662666	27.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.88	26.05	26.13	27.00
Channel				649000	656000	663000	27.00
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	25.91	26.05	25.99	27.00
Channel				648668	656000	663332	27.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.98	26.12	25.81	27.00
Channel				648334	656000	663666	27.00
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	26.02	26.11	25.93	27.00
Channel				648000	656000	664000	27.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	25.92	26.27	26.30	27.00
Channel				647668	656000	664332	27.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	25.87	26.30	26.34	27.00
Channel				647334	656000	664666	27.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	26.22	26.29	26.32	27.00

B2_n77(3700-3980MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	24.50
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	23.02	23.17	23.27	24.50
100		1	136	23.38	23.39	22.99	
100		1	271	23.13	23.44	23.19	
100		135	1	23.53	23.13	23.19	24.50
100		135	67	23.28	23.50	23.07	
100		135	136	23.17	23.13	23.18	
100		270	0	23.26	23.42	23.09	
100	DFT-s-OFDM QPSK	1	1	23.47	23.59	23.52	24.50
100		1	136	23.34	23.43	22.93	
100		1	271	23.07	23.39	23.24	
100		135	1	23.28	23.41	23.26	24.50
100		135	67	23.48	23.51	23.39	
100		135	136	23.10	23.09	23.17	
100		270	0	23.20	23.51	23.05	
100	DFT-s-OFDM 16QAM	1	1	23.14	23.17	23.35	24.00
100	DFT-s-OFDM 64QAM	1	1	23.15	23.35	23.44	24.00
100	DFT-s-OFDM 256QAM	1	1	21.49	21.54	21.67	22.50
100	CP-OFDM QPSK	1	1	23.07	23.14	23.30	24.00
100	CP-OFDM 16QAM	1	1	23.15	23.23	23.42	24.00
100	CP-OFDM 64QAM	1	1	22.64	22.69	22.84	23.50
100	CP-OFDM 256QAM	1	1	19.32	19.43	19.59	20.50
Channel				649666	656000	662332	24.50
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	23.00	23.08	23.31	24.50
Channel				649334	656000	662666	24.50
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	23.09	23.22	23.24	24.50
Channel				649000	656000	663000	24.50
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	23.07	23.19	23.14	24.50
Channel				648668	656000	663332	24.50
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	23.05	23.25	22.96	24.50
Channel				648334	656000	663666	24.50
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	23.19	23.26	23.06	24.50
Channel				648000	656000	664000	24.50
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.07	23.55	23.44	24.50
Channel				647668	656000	664332	24.50
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	23.03	23.51	23.45	24.50
Channel				647334	656000	664666	24.50
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	23.28	23.52	23.47	24.50

B5_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		27.50
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		26.45		27.00
100		1	136		26.12		
100		1	271		26.02		
100		135	1		25.95		27.50
100		135	67		26.23		
100		135	136		25.41		
100		270	0		25.88		
100	DFT-s-OFDM QPSK	1	1		26.49		27.00
100		1	136		26.10		
100		1	271		25.98		
100		135	1		25.48		27.50
100		135	67		26.22		
100		135	136		24.88		
100		270	0		25.36		
100	DFT-s-OFDM 16QAM	1	1		25.66		26.50
100	DFT-s-OFDM 64QAM	1	1		24.30		25.00
100	DFT-s-OFDM 256QAM	1	1		21.94		23.00
100	CP-OFDM QPSK	1	1		25.13		26.00
100	CP-OFDM 16QAM	1	1		24.65		25.50
100	CP-OFDM 64QAM	1	1		23.21		24.00
100	CP-OFDM 256QAM	1	1		20.26		21.00
Channel				633000	633334	633666	27.50
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	26.39	26.36	26.31	27.50
Channel				632668	633334	634000	27.50
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	26.45	26.37	26.33	27.50
Channel				632334	633334	634332	27.50
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	26.35	26.33	26.26	27.50
Channel				632000	633334	634666	27.50
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	26.36	26.41	26.30	27.50
Channel				631668	633334	635000	27.50
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	26.38	26.40	26.29	27.50
Channel				631334	633334	635332	27.50
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	26.41	26.39	26.40	27.50
Channel				631000	633334	635666	27.50
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	26.39	26.25	26.22	27.50
Channel				630668	633334	636000	27.50
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	26.37	26.34	26.10	27.50

B5_n77(3450-3550MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		23.66		24.50
100		1	136		23.30		
100		1	271		23.19		
100		135	1		23.52		24.50
100		135	67		23.42		
100		135	136		22.98		
100		270	0		23.40		
100	DFT-s-OFDM QPSK	1	1		23.81		24.50
100		1	136		23.34		
100		1	271		23.15		
100		135	1		23.66		24.50
100		135	67		23.46		
100		135	136		23.03		
100		270	0		23.41		
100	DFT-s-OFDM 16QAM	1	1		23.69		24.50
100	DFT-s-OFDM 64QAM	1	1		23.78		24.50
100	DFT-s-OFDM 256QAM	1	1		22.12		23.00
100	CP-OFDM QPSK	1	1		23.67		24.50
100	CP-OFDM 16QAM	1	1		23.68		24.50
100	CP-OFDM 64QAM	1	1		23.24		24.00
100	CP-OFDM 256QAM	1	1		20.18		21.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	23.56	23.55	23.53	24.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	23.60	23.52	23.49	24.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	23.67	23.48	23.42	24.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	23.68	23.59	23.43	24.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	23.61	23.60	23.45	24.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	23.77	23.63	23.62	24.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	23.59	23.74	23.33	24.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	23.68	23.62	23.22	24.50

B5_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	27.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.96	25.96	26.10	27.00
100		1	136	26.25	26.28	25.82	
100		1	271	26.00	26.24	26.13	
100		135	1	25.96	25.61	25.70	27.00
100		135	67	26.18	26.32	25.93	
100		135	136	25.58	25.59	25.64	
100		270	0	25.70	25.92	25.56	
100	DFT-s-OFDM QPSK	1	1	25.87	25.96	26.11	27.00
100		1	136	26.28	26.34	26.26	
100		1	271	25.92	26.25	26.12	
100		135	1	25.51	25.11	25.19	27.00
100		135	67	26.17	26.30	25.88	
100		135	136	25.07	25.10	25.13	
100		270	0	25.23	25.40	25.06	
100	DFT-s-OFDM 16QAM	1	1	25.06	25.05	25.31	26.00
100	DFT-s-OFDM 64QAM	1	1	23.72	23.79	23.74	24.50
100	DFT-s-OFDM 256QAM	1	1	21.38	21.38	21.79	22.50
100	CP-OFDM QPSK	1	1	24.53	24.64	24.81	25.50
100	CP-OFDM 16QAM	1	1	24.16	24.17	24.27	25.00
100	CP-OFDM 64QAM	1	1	22.63	22.68	22.76	23.50
100	CP-OFDM 256QAM	1	1	19.39	19.42	19.75	20.50
Channel				649666	656000	662332	27.00
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	25.83	25.93	26.15	27.00
Channel				649334	656000	662666	27.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.89	26.02	26.09	27.00
Channel				649000	656000	663000	27.00
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	25.92	26.04	25.96	27.00
Channel				648668	656000	663332	27.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.97	26.04	25.82	27.00
Channel				648334	656000	663666	27.00
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	26.02	26.12	25.93	27.00
Channel				648000	656000	664000	27.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.25	23.30	26.27	27.00
Channel				647668	656000	664332	27.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	26.22	26.29	26.27	27.00
Channel				647334	656000	664666	27.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	26.19	26.24	26.31	27.00

B5_n77(3700-3980MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	24.50
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	23.02	23.09	23.22	24.50
100		1	136	23.27	23.31	22.89	
100		1	271	23.07	23.37	23.22	
100		135	1	23.44	23.05	23.16	24.50
100		135	67	23.22	23.39	22.97	
100		135	136	23.06	23.08	23.16	
100		270	0	23.17	23.38	23.05	
100	DFT-s-OFDM QPSK	1	1	23.00	23.06	23.20	24.50
100		1	136	23.41	23.47	23.36	
100		1	271	23.01	23.32	23.24	
100		135	1	23.36	23.45	23.26	24.50
100		135	67	23.27	23.41	23.00	
100		135	136	23.01	23.04	23.17	
100		270	0	23.39	23.44	23.35	
100	DFT-s-OFDM 16QAM	1	1	23.11	23.04	23.38	24.00
100	DFT-s-OFDM 64QAM	1	1	23.18	23.08	23.43	24.00
100	DFT-s-OFDM 256QAM	1	1	21.32	21.63	21.61	22.50
100	CP-OFDM QPSK	1	1	23.05	23.06	23.30	24.00
100	CP-OFDM 16QAM	1	1	23.06	23.03	23.31	24.00
100	CP-OFDM 64QAM	1	1	22.56	22.58	22.83	23.50
100	CP-OFDM 256QAM	1	1	19.28	19.37	19.51	20.50
Channel				649666	656000	662332	24.50
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	22.93	22.99	23.20	24.50
Channel				649334	656000	662666	24.50
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	23.01	23.13	23.16	24.50
Channel				649000	656000	663000	24.50
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	23.04	23.12	23.04	24.50
Channel				648668	656000	663332	24.50
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	23.04	23.21	22.88	24.50
Channel				648334	656000	663666	24.50
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	23.15	23.23	23.00	24.50
Channel				648000	656000	664000	24.50
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.47	23.58	23.43	24.50
Channel				647668	656000	664332	24.50
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	23.36	23.46	23.44	24.50
Channel				647334	656000	664666	24.50
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	23.32	23.52	23.45	24.50

B12_n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		26.48		27.50
100		1	136		26.12		
100		1	271		26.03		
100		135	1		25.94		27.00
100		135	67		26.25		
100		135	136		25.40		
100		270	0		25.89		
100	DFT-s-OFDM QPSK	1	1		26.57		27.50
100		1	136		26.12		
100		1	271		25.97		
100		135	1		25.40		27.00
100		135	67		26.24		
100		135	136		24.84		
100		270	0		25.36		
100	DFT-s-OFDM 16QAM	1	1		25.69		26.50
100	DFT-s-OFDM 64QAM	1	1		24.31		25.00
100	DFT-s-OFDM 256QAM	1	1		21.97		23.00
100	CP-OFDM QPSK	1	1		25.13		26.00
100	CP-OFDM 16QAM	1	1		24.63		25.50
100	CP-OFDM 64QAM	1	1		23.19		24.00
100	CP-OFDM 256QAM	1	1		20.05		21.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	26.42	26.39	26.31	27.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	26.47	26.37	26.32	27.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	26.46	26.35	26.26	27.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	26.49	26.44	26.30	27.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	26.51	26.47	26.29	27.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	26.49	26.37	26.47	27.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	26.51	26.46	26.24	27.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	26.48	26.41	26.10	27.50

B12_n77(3450-3550MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		23.65		25.00
100		1	136		23.30		
100		1	271		23.16		
100		135	1		23.50		24.50
100		135	67		23.43		
100		135	136		22.95		
100		270	0		23.40		
100	DFT-s-OFDM QPSK	1	1		23.95		25.00
100		1	136		23.31		
100		1	271		23.13		
100		135	1		23.58		24.50
100		135	67		23.44		
100		135	136		22.91		
100		270	0		23.43		
100	DFT-s-OFDM 16QAM	1	1		23.74		24.50
100	DFT-s-OFDM 64QAM	1	1		23.84		24.50
100	DFT-s-OFDM 256QAM	1	1		22.03		23.00
100	CP-OFDM QPSK	1	1		23.63		24.50
100	CP-OFDM 16QAM	1	1		23.72		24.50
100	CP-OFDM 64QAM	1	1		23.30		24.00
100	CP-OFDM 256QAM	1	1		19.95		21.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	23.56	23.53	23.55	25.00
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	23.63	23.52	23.58	25.00
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	23.73	23.53	23.47	25.00
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	23.80	23.64	23.47	25.00
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	23.85	23.61	23.50	25.00
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	23.81	23.85	23.62	25.00
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	23.83	23.77	23.41	25.00
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	23.73	23.71	23.26	25.00

B12_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	27.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.92	25.96	26.15	27.00
100		1	136	26.22	26.24	25.79	
100		1	271	25.96	26.27	26.15	
100		135	1	25.95	25.57	25.68	27.00
100		135	67	26.17	26.33	25.92	
100		135	136	25.53	25.57	25.63	
100		270	0	25.69	25.95	25.55	27.00
100	DFT-s-OFDM QPSK	1	1	25.90	25.93	26.11	
100		1	136	26.34	26.36	26.28	
100		1	271	25.85	26.27	26.08	
100		135	1	25.46	25.07	25.16	27.00
100		135	67	26.12	26.29	25.87	
100		135	136	25.04	25.09	25.11	
100		270	0	25.16	25.42	25.02	
100	DFT-s-OFDM 16QAM	1	1	25.08	25.10	25.31	26.00
100	DFT-s-OFDM 64QAM	1	1	23.70	23.72	23.98	25.00
100	DFT-s-OFDM 256QAM	1	1	21.34	21.40	21.57	22.50
100	CP-OFDM QPSK	1	1	24.53	24.66	24.74	25.50
100	CP-OFDM 16QAM	1	1	24.12	24.15	24.29	25.00
100	CP-OFDM 64QAM	1	1	22.61	22.69	22.85	23.50
100	CP-OFDM 256QAM	1	1	19.38	19.42	19.62	20.50
Channel				649666	656000	662332	27.00
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	25.90	25.91	26.18	27.00
Channel				649334	656000	662666	27.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.92	26.03	26.10	27.00
Channel				649000	656000	663000	27.00
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	25.93	26.05	25.98	27.00
Channel				648668	656000	663332	27.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.93	26.07	25.84	27.00
Channel				648334	656000	663666	27.00
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	26.06	26.13	25.96	27.00
Channel				648000	656000	664000	27.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	26.28	26.31	26.30	27.00
Channel				647668	656000	664332	27.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	26.24	26.18	26.29	27.00
Channel				647334	656000	664666	27.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	26.20	26.25	26.19	27.00

B12_n77(3700-3980MHz) (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	24.50
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	23.01	23.12	23.24	24.50
100		1	136	23.35	23.38	22.94	
100		1	271	23.10	23.41	23.24	
100		135	1	23.52	23.10	23.19	24.50
100		135	67	23.30	23.44	23.01	
100		135	136	23.07	23.10	23.19	
100		270	0	23.24	23.41	23.10	
100	DFT-s-OFDM QPSK	1	1	23.40	23.09	23.21	24.50
100		1	136	23.39	23.58	23.52	
100		1	271	23.06	23.37	23.22	
100		135	1	23.41	23.51	23.48	24.50
100		135	67	23.29	23.40	23.00	
100		135	136	23.09	23.07	23.11	
100		270	0	23.19	23.43	23.08	
100	DFT-s-OFDM 16QAM	1	1	23.13	23.17	23.29	24.00
100	DFT-s-OFDM 64QAM	1	1	23.24	23.31	23.46	24.00
100	DFT-s-OFDM 256QAM	1	1	21.39	21.51	21.59	22.50
100	CP-OFDM QPSK	1	1	23.10	23.07	23.27	24.00
100	CP-OFDM 16QAM	1	1	23.10	23.13	23.34	24.00
100	CP-OFDM 64QAM	1	1	22.68	22.67	22.83	23.50
100	CP-OFDM 256QAM	1	1	19.35	19.39	19.50	20.50
Channel				649666	656000	662332	24.50
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	23.00	23.00	23.24	24.50
Channel				649334	656000	662666	24.50
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	23.05	23.19	23.20	24.50
Channel				649000	656000	663000	24.50
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	23.05	23.21	23.06	24.50
Channel				648668	656000	663332	24.50
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	23.11	23.24	22.97	24.50
Channel				648334	656000	663666	24.50
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	23.18	23.27	23.03	24.50
Channel				648000	656000	664000	24.50
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.45	23.46	23.34	24.50
Channel				647668	656000	664332	24.50
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	23.37	23.49	23.44	24.50
Channel				647334	656000	664666	24.50
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	23.33	23.44	23.48	24.50

B66_n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		26.53		27.50
100		1	136		26.15		
100		1	271		26.06		
100		135	1		26.04		27.00
100		135	67		26.30		
100		135	136		25.47		
100		270	0		25.89		
100	DFT-s-OFDM QPSK	1	1		26.55		27.50
100		1	136		26.14		
100		1	271		26.03		
100		135	1		25.52		27.00
100		135	67		26.29		
100		135	136		24.91		
100		270	0		25.39		
100	DFT-s-OFDM 16QAM	1	1		25.68		26.50
100	DFT-s-OFDM 64QAM	1	1		24.33		25.00
100	DFT-s-OFDM 256QAM	1	1		21.97		23.00
100	CP-OFDM QPSK	1	1		25.16		26.00
100	CP-OFDM 16QAM	1	1		24.70		25.50
100	CP-OFDM 64QAM	1	1		23.30		24.00
100	CP-OFDM 256QAM	1	1		20.15		21.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	26.45	26.43	26.38	27.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	26.51	26.38	26.36	27.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	26.50	26.39	26.36	27.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	26.46	26.50	26.34	27.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	26.42	26.37	26.30	27.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	26.36	26.42	26.00	27.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	26.41	26.39	26.24	27.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	26.38	26.51	26.09	27.50

B66_n77(3450-3550MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		23.67		24.50
100		1	136		23.24		
100		1	271		23.18		
100		135	1		23.50		24.50
100		135	67		23.42		
100		135	136		22.95		
100		270	0		23.36		
100	DFT-s-OFDM QPSK	1	1		23.76		24.50
100		1	136		23.28		
100		1	271		23.14		
100		135	1		23.63		24.50
100		135	67		23.38		
100		135	136		22.85		
100		270	0		23.39		
100	DFT-s-OFDM 16QAM	1	1		23.67		24.50
100	DFT-s-OFDM 64QAM	1	1		23.75		24.50
100	DFT-s-OFDM 256QAM	1	1		21.95		23.00
100	CP-OFDM QPSK	1	1		23.71		24.50
100	CP-OFDM 16QAM	1	1		23.66		24.50
100	CP-OFDM 64QAM	1	1		23.24		24.00
100	CP-OFDM 256QAM	1	1		20.04		21.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	23.56	23.53	23.52	24.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	23.64	23.55	23.59	24.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	23.65	23.50	23.45	24.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	23.62	23.64	23.43	24.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	23.67	23.56	23.45	24.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	23.57	23.62	23.14	24.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	23.51	23.65	23.41	24.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	23.59	23.67	23.22	24.50

B66_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	27.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	25.97	26.00	26.18	27.00
100		1	136	26.29	26.31	25.87	
100		1	271	25.99	26.32	26.20	
100		135	1	26.04	25.63	25.77	27.00
100		135	67	26.24	26.26	25.98	
100		135	136	25.63	25.65	25.69	
100		270	0	25.78	25.98	25.61	
100	DFT-s-OFDM QPSK	1	1	25.93	26.00	26.14	27.00
100		1	136	26.24	26.38	25.84	
100		1	271	25.99	26.30	26.15	
100		135	1	25.52	25.12	25.19	27.00
100		135	67	26.19	26.33	25.91	
100		135	136	25.12	25.10	25.16	
100		270	0	25.26	25.46	25.10	
100	DFT-s-OFDM 16QAM	1	1	25.21	25.14	25.30	26.00
100	DFT-s-OFDM 64QAM	1	1	23.69	23.83	23.86	24.50
100	DFT-s-OFDM 256QAM	1	1	21.37	21.45	21.64	22.50
100	CP-OFDM QPSK	1	1	24.55	24.69	24.80	25.50
100	CP-OFDM 16QAM	1	1	24.17	24.12	24.25	25.00
100	CP-OFDM 64QAM	1	1	22.86	22.79	22.94	24.00
100	CP-OFDM 256QAM	1	1	19.51	19.48	19.60	20.50
Channel				649666	656000	662332	27.00
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	25.90	26.01	26.20	27.00
Channel				649334	656000	662666	27.00
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	25.91	26.08	26.13	27.00
Channel				649000	656000	663000	27.00
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	25.96	26.10	26.00	27.00
Channel				648668	656000	663332	27.00
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	25.95	26.15	25.41	27.00
Channel				648334	656000	663666	27.00
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	26.07	26.09	25.92	27.00
Channel				648000	656000	664000	27.00
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	26.24	26.28	26.33	27.00
Channel				647668	656000	664332	27.00
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	26.23	26.29	26.27	27.00
Channel				647334	656000	664666	27.00
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	26.22	26.27	26.25	27.00

B66_n77(3700-3980MHz) (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	22.99	23.09	23.27	24.50
100		1	136	23.32	23.35	22.97	
100		1	271	23.09	23.42	23.26	
100		135	1	23.44	23.11	23.20	245.00
100		135	67	23.22	23.43	23.01	
100		135	136	23.06	23.13	23.13	
100		270	0	23.23	23.43	23.11	
100	DFT-s-OFDM QPSK	1	1	22.94	23.07	23.24	24.50
100		1	136	23.43	23.48	23.34	
100		1	271	23.05	23.36	23.23	
100		135	1	23.33	23.08	23.17	24.50
100		135	67	23.34	23.42	23.41	
100		135	136	23.08	23.09	23.19	
100		270	0	23.21	23.44	23.10	
100	DFT-s-OFDM 16QAM	1	1	23.08	23.18	23.33	24.00
100	DFT-s-OFDM 64QAM	1	1	23.20	23.32	23.43	24.00
100	DFT-s-OFDM 256QAM	1	1	21.32	21.47	21.69	22.50
100	CP-OFDM QPSK	1	1	23.06	23.15	23.31	24.00
100	CP-OFDM 16QAM	1	1	23.17	23.22	23.32	24.00
100	CP-OFDM 64QAM	1	1	22.65	22.68	22.82	23.50
100	CP-OFDM 256QAM	1	1	19.36	19.49	19.63	20.50
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	23.01	23.01	23.26	24.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	23.08	23.19	23.18	24.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	23.08	23.19	23.12	24.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	23.04	23.21	22.39	24.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	23.19	23.23	23.01	24.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	23.39	23.37	23.40	24.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	23.31	23.41	23.35	24.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	23.34	23.42	23.19	24.50

2.4GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH 1	2412	18.51	18.50	18.50	98.28
	CH 6	2437	18.20	18.00	18.00	98.37
	CH 11	2462	18.07	18.00	18.00	98.38
802.11g Mbps	CH 1	2412	18.14	18.00	17.50	98.34
	CH 6	2437	17.85	18.00	17.50	98.34
	CH 11	2462	17.87	18.00	17.50	98.34
802.11a+HT20 MCS0	CH 1	2412	17.83	18.00	17.50	98.70
	CH 6	2437	17.58	18.00	17.50	98.70
	CH 11	2462	17.57	18.00	17.50	98.70
802.11a+HT40 MCS0	CH 1	2412	18.22	18.00	17.00	98.70
	CH 6	2437	18.21	18.00	17.00	98.70
	CH 11	2462	18.20	18.00	17.00	98.70
802.11a+HT20 MCS20	CH 1	2412	17.78	18.00	17.50	98.70
	CH 6	2437	17.57	18.00	17.50	98.70
	CH 11	2462	17.57	18.00	17.50	98.70
802.11a+HT40 MCS20	CH 1	2412	17.73	18.00	17.00	98.70
	CH 6	2437	17.73	18.00	17.00	98.70
	CH 11	2462	17.77	18.00	17.00	98.70
802.11a+HEW60 MCS0	CH 1	2412	17.87	18.00	17.00	98.70
	CH 6	2437	17.87	18.00	17.00	98.70
	CH 11	2462	18.00	18.00	17.00	98.74
802.11a+HEW60 MCS100	CH 1	2412	17.81	18.00	17.00	98.67
	CH 6	2437	18.18	18.00	17.00	98.67
	CH 11	2462	17.89	18.00	17.00	98.61
802.11a+HEW60 MCS100	CH 1	2412	17.73	18.00	17.00	98.67
	CH 6	2437	17.73	18.00	17.00	98.67
	CH 11	2462	17.78	18.00	17.00	98.58
802.11a+HEW60 MCS100	CH 1	2412	17.73	18.00	17.00	98.67
	CH 6	2437	17.73	18.00	17.00	98.67
	CH 11	2462	17.73	18.00	17.00	98.61
802.11a+HEW60 MCS100	CH 1	2412	17.73	18.00	17.00	98.67
	CH 6	2437	17.73	18.00	17.00	98.67
	CH 11	2462	17.73	18.00	17.00	98.58
802.11a+HEW60 MCS100	CH 1	2412	17.73	18.00	17.00	98.58
	CH 6	2437	17.73	18.00	17.00	98.58
	CH 11	2462	17.73	18.00	17.00	98.58

5GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH 36	5180	18.77	18.50	18.50	98.50
	CH 44	5200	18.58	18.50	18.50	98.50
	CH 48	5240	18.15	18.00	18.00	98.50
802.11a+HT20 MCS0	CH 36	5180	17.18	18.00	18.00	98.60
	CH 44	5200	18.58	18.00	18.00	98.60
	CH 48	5240	18.40	18.00	18.00	98.60
802.11a+HT40 MCS0	CH 36	5180	17.18	18.00	18.00	98.60
	CH 44	5200	18.58	18.00	18.00	98.60
	CH 48	5240	18.40	18.00	18.00	98.60
802.11a+HT20 MCS20	CH 36	5180	17.11	18.00	18.00	98.60
	CH 44	5200	18.51	17.50	18.00	98.60
	CH 48	5240	18.59	17.50	18.00	98.60
802.11a+HT40 MCS20	CH 36	5180	18.16	18.00	18.00	98.60
	CH 44	5200	18.16	18.00	18.00	98.60
	CH 48	5240	17.98	18.00	18.00	98.60
802.11a+HEW60 MCS0	CH 36	5180	17.11	18.00	18.00	98.60
	CH 44	5200	18.51	17.50	18.00	98.60
	CH 48	5240	18.59	17.50	18.00	98.60
802.11a+HEW60 MCS100	CH 36	5180	17.11	18.00	18.00	98.60
	CH 44	5200	18.51	17.50	18.00	98.60
	CH 48	5240	18.59	17.50	18.00	98.60
802.11a+HEW60 MCS100	CH 36	5180	17.11	18.00	18.00	98.60
	CH 44	5200	18.51	17.50	18.00	98.60
	CH 48	5240	18.59	17.50	18.00	98.60
802.11a+HEW60 MCS100	CH 36	5180	17.11	18.00	18.00	98.60
	CH 44	5200	18.51	17.50	18.00	98.60
	CH 48	5240	18.59	17.50	18.00	98.60
802.11a+HEW60 MCS100	CH 36	5180	17.11	18.00	18.00	98.60
	CH 44	5200	18.51	17.50	18.00	98.60
	CH 48	5240	18.59	17.50	18.00	98.60

5GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH 36	5180	18.57	18.50	18.50	98.50
	CH 44	5200	18.55	18.50	18.50	98.50
	CH 48	5240	18.56	18.50	18.50	98.50
802.11a+HT20 MCS0	CH 36	5180	17.15	18.00	18.00	98.60
	CH 44	5200	17.19	18.00	18.00	98.60
	CH 48	5240	17.16	18.00	18.00	98.60
802.11a+HT40 MCS0	CH 36	5180	17.16	18.00	18.00	98.60
	CH 44	5200	17.16	18.00	18.00	98.60
	CH 48	5240	17.16	18.00	18.00	98.60
802.11a+HT20 MCS20	CH 36	5180	17.16	18.00	18.00	98.60
	CH 44	5200	17.16	18.00	18.00	98.60
	CH 48	5240	17.16	18.00	18.00	98.60
802.11a+HT40 MCS20	CH 36	5180	17.16	18.00	18.00	98.60
	CH 44	5200	17.16	18.00	18.00	98.60
	CH 48	5240	17.16	18.00	18.00	98.60
802.11a+HEW60 MCS0	CH 36	5180	17.16	18.00	18.00	98.60
	CH 44	5200	17.16	18.00	18.00	98.60
	CH 48	5240	17.16	18.00	18.00	98.60
802.11a+HEW60 MCS100	CH 36	5180	17.16	18.00	18.00	98.60
	CH 44	5200	17.16	18.00	18.00	98.60
	CH 48	5240	17.16	18.00	18.00	98.60
802.11a+HEW60 MCS100	CH 36	5180	17.16	18.00	18.00	98.60
	CH 44	5200	17.16	18.00	18.00	98.60
	CH 48	5240	17.16	18.00	18.00	98.60

5GHz WLAN ANT 3

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH 100	5580	18.50	20.00	18.00	98.00
	CH 120	5600	18.57	20.00	18.00	98.00
	CH 144	5720	18.46	18.00	18.00	98.00
802.11a+HT20 MCS0	CH 100	5580	17.46	18.00	18.00	98.60
	CH 120	5600	17.46	18.00	18.00	98.60
	CH 144	5720	17.54	18.00	18.00	98.60
802.11a+HT40 MCS0	CH 100	5580	18.50	18.00	18.00	98.60
	CH 120	5600	18.57	18.00	18.00	98.60
	CH 144	5720	18.46	18.00	18.00	98.60
802.11a+HT20 MCS20	CH 100	5580	17.46	18.00	18.00	98.60
	CH 120	5600	17.46	18.00	18.00	98.60
	CH 144	5720	17.54	18.00	18.00	98.60
802.11a+HT40 MCS20	CH 100	5580	18.50	18.00	18.00	98.60
	CH 120	5600	18.57	18.00	18.00	98.60
	CH 144	5720	18.46	18.00	18.00	98.60
802.11a+HEW60 MCS0	CH 100	5580	17.46	18.00	18.00	98.60
	CH 120	5600	17.46	18.00	18.00	98.60
	CH 144	5720	17.54	18.00	18.00	98.60
802.11a+HEW60 MCS100	CH 100	5580	18.50	18.00	18.00	98.60
	CH 120	5600	18.57	18.00	18.00	98.60
	CH 144	5720	18.46	18.00	18.00	98.60

5GHz WLAN ANT 3

2.4GHz WLAN ANT 7

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH 1	2412	18.00	18.00	18.00	98.29
	CH 6	2437	18.49	18.00	18.00	98.29
	CH 11	2462	18.28	18.00	18.00	98.29
802.11g Mbps	CH 1	2412	18.28	18.00	17.50	98.34
	CH 6	2437	18.11	18.00	17.50	98.34
	CH 11	2462	17.87	18.00	17.50	98.34
802.11a+HT20 MCS0	CH 1	2412	17.91	18.00	17.50	98.74
	CH 6	2437	18.07	18.00	17.50	98.74
	CH 11	2462	17.68	18.00	17.50	98.70
802.11a+HT40 MCS0	CH 1	2412	18.40	18.00	17.00	98.74
	CH 6	2437	18.07	18.00	17.00	98.70
	CH 11	2462	17.71	18.00	17.00	98.70
802.11a+HT20 MCS20	CH 1	2412	17.83	18.00	17.50	98.70
	CH 6	2437	18.01	18.00	17.50	98.70
	CH 11	2462	17.60	18.00	17.50	98.74
802.11a+HT40 MCS20	CH 1	2412	18.13	18.00	17.00	98.74
	CH 6	2437	18.00	18.00	17.00	98.74
	CH 11	2462	17.80	18.00	17.00	98.74
802.11a+HEW60 MCS0	CH 1	2412	17.80	18.00	17.00	98.67
	CH 6	2437	17.80	18.00	17.00	98.67
	CH 11	2462	17.80	18.00	17.00	98.61
802.11a+HEW60 MCS100	CH 1	2412	17.80	18.00	17.00	98.61
	CH 6	2437	17.80	18.00	17.00	98.61
	CH 11	2462	17.80	18.00	17.00	98.58
802.11a+HEW60 MCS100	CH 1	2412	17.80	18.00	17.00	98.58
	CH 6	2437	17.80	18.00	17.00	98.58
	CH 11	2462	17.80	18.00	17.00	98.58
802.11a+HEW60 MCS100	CH 1	2412	17.80	18.00	17.00	98.58
	CH 6	2437	17.80	18.00	17.00	98.58
	CH 11	2462	17.80	18.00	17.00	98.58

5.2GHz WLAN ANT 7

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH 36	5180	18.48	18.50	18.50	98.50
	CH 44	5200	18.40	18.50	18.50	98.50
	CH 48	5240	17.94	18.00	18.00	98.50
802.11a+HT20 MCS0	CH 36	5180	17.37	18.00	18.00	98.60
	CH 44	5200	17.43	18.00	18.00	9



Reduced Power Level 1

GSM1900		Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame Average Power (dBm)			Tune-up Limit (dBm)
TX Channel		512	661	810		512	661	810	
Frequency (MHz)		1850.2	1880	1909.8		1850.2	1880	1909.8	
GPRS 1 Tx slot		23.84	23.80	23.82	24.50	14.84	14.80	14.82	15.50
GPRS 2 Tx slots		21.20	21.24	21.23	22.00	15.20	15.24	15.23	16.00
GPRS 3 Tx slots		19.21	19.23	19.20	20.00	14.95	14.97	14.94	15.74
GPRS 4 Tx slots		18.15	18.18	18.14	19.00	15.15	15.18	15.14	16.00
EDGE 1 Tx slot		18.58	18.59	18.55	19.50	9.58	9.59	9.55	10.50
EDGE 2 Tx slots		17.15	17.20	17.17	18.00	11.15	11.20	11.17	12.00
EDGE 3 Tx slots		15.55	15.57	15.62	16.50	11.29	11.31	11.36	12.24
EDGE 4 Tx slots		14.41	14.52	14.55	15.50	11.41	11.52	11.55	12.50
Mode			Max.	23.84			Max.	15.24	
Attenuator		Cable Loss : 0.8							
Date		1/12							

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	RMC 12.2Kbps	15.37	15.50	15.48	16.00	13.09	13.15	13.06	14.00
3GPP Rel 5	HSDPA Subtest-1	14.34	14.44	14.35	15.50	12.26	12.36	12.31	13.00
3GPP Rel 5	HSDPA Subtest-2	14.32	14.42	14.35	7.50	12.34	12.40	12.31	13.00
3GPP Rel 5	HSDPA Subtest-3	13.80	13.89	13.83	14.50	11.74	11.86	11.83	12.50
3GPP Rel 5	HSDPA Subtest-4	13.82	13.86	13.86	14.50	11.73	11.86	11.83	12.50
3GPP Rel 8	DC-HSDPA Subtest-1	14.35	14.45	14.34	15.50	12.24	12.37	12.31	13.00
3GPP Rel 8	DC-HSDPA Subtest-2	14.34	14.43	14.34	15.50	12.21	12.35	12.31	13.00
3GPP Rel 8	DC-HSDPA Subtest-3	13.86	13.94	13.84	15.00	11.74	11.85	11.81	12.50
3GPP Rel 8	DC-HSDPA Subtest-4	13.88	13.92	13.83	15.00	11.71	11.83	11.82	12.50
3GPP Rel 6	HSUPA Subtest-1	14.36	14.42	14.31	15.50	12.22	12.40	12.40	13.50
3GPP Rel 6	HSUPA Subtest-2	13.84	13.99	13.81	15.00	11.66	11.83	11.93	13.50
3GPP Rel 6	HSUPA Subtest-3	14.38	14.39	14.28	15.50	12.77	12.33	12.53	13.50
3GPP Rel 6	HSUPA Subtest-4	14.35	14.43	14.34	15.50	12.24	12.33	12.44	13.50
3GPP Rel 6	HSUPA Subtest-5	14.35	14.44	14.29	15.50	12.19	12.35	12.48	13.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.30	14.34	14.37	15.50	12.25	12.38	12.36	13.00
Attenuator			Cable Loss	0.8			Cable Loss	0.8	
Mode			Max.	15.50			Max.	13.15	
Date		2024.1.12				2024.1.12			

Band 2 (1900MHz Band) (dBm)							
Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	11.11	11.13	11.06	12
20	QPSK	1	49	11.10	11.12	11.05	
20	QPSK	1	99	11.02	11.09	11.06	
20	QPSK	50	0	10.16	10.28	10.17	11
20	QPSK	50	24	10.20	10.14	10.12	
20	QPSK	50	50	10.17	10.20	10.13	
20	QPSK	100	0	10.20	10.21	10.10	11
20	16QAM	1	0	10.47	10.38	10.21	
20	16QAM	1	49	10.35	10.44	10.39	
20	16QAM	1	99	10.45	10.22	10.49	10
20	16QAM	50	0	9.39	9.34	9.38	
20	16QAM	50	24	9.48	9.33	9.32	
20	16QAM	50	50	9.35	9.38	9.40	10
20	16QAM	100	0	9.33	9.35	9.31	
20	64QAM	1	0	9.43	9.57	9.52	
20	64QAM	1	49	9.46	9.50	9.40	10
20	64QAM	1	99	9.56	9.44	9.26	
20	64QAM	50	0	9.44	9.33	9.33	
20	64QAM	50	24	9.27	9.28	9.35	23
20	64QAM	50	50	9.40	9.33	9.38	
20	64QAM	100	0	9.32	9.35	9.34	
20	256QAM	1	0	5.47	5.62	5.57	19.5
20	256QAM	1	49	5.50	5.55	5.45	
20	256QAM	1	99	5.60	5.49	5.31	
20	256QAM	50	0	5.45	5.35	5.35	19
20	256QAM	50	24	5.28	5.30	5.37	
20	256QAM	50	50	5.41	5.35	5.40	
20	256QAM	100	0	5.33	5.37	5.36	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	11.06	11.08	11.01	12
15	QPSK	1	37	11.05	11.07	11.00	
15	QPSK	1	74	10.97	11.04	11.01	
15	QPSK	36	0	10.11	10.23	10.12	11
15	QPSK	36	20	10.15	10.09	10.07	
15	QPSK	36	39	10.12	10.15	10.08	
15	QPSK	75	0	10.15	10.16	10.05	11
15	16QAM	1	0	10.42	10.33	10.16	
15	16QAM	1	37	10.30	10.39	10.34	
15	16QAM	1	74	10.40	10.17	10.44	10
15	16QAM	36	0	9.34	9.29	9.33	
15	16QAM	36	20	9.43	9.28	9.27	
15	16QAM	36	39	9.30	9.33	9.35	10
15	16QAM	75	0	9.28	9.30	9.26	
15	64QAM	1	0	9.38	9.52	9.47	
15	64QAM	1	37	9.41	9.45	9.35	10
15	64QAM	1	74	9.51	9.39	9.21	
15	64QAM	36	0	9.39	9.28	9.28	
15	64QAM	36	20	9.22	9.23	9.30	9
15	64QAM	36	39	9.35	9.28	9.33	
15	64QAM	75	0	9.27	9.30	9.29	
15	256QAM	1	0	5.42	5.57	5.52	19.5
15	256QAM	1	37	5.45	5.50	5.40	
15	256QAM	1	74	5.55	5.44	5.26	
15	256QAM	36	0	5.40	5.30	5.30	19
15	256QAM	36	20	5.23	5.25	5.32	
15	256QAM	36	39	5.36	5.30	5.35	
15	256QAM	75	0	5.28	5.32	5.31	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	11.00	11.02	10.95	12
10	QPSK	1	25	10.99	11.01	10.94	
10	QPSK	1	49	10.91	10.98	10.95	
10	QPSK	25	0	10.05	10.17	10.06	11
10	QPSK	25	12	10.09	10.03	10.01	
10	QPSK	25	25	10.06	10.09	10.02	
10	QPSK	50	0	10.09	10.10	9.99	11
10	16QAM	1	0	10.36	10.27	10.10	
10	16QAM	1	25	10.24	10.33	10.28	
10	16QAM	1	49	10.34	10.11	10.38	10
10	16QAM	25	0	9.28	9.23	9.27	
10	16QAM	25	12	9.37	9.22	9.21	
10	16QAM	25	25	9.24	9.27	9.29	10
10	16QAM	50	0	9.22	9.24	9.20	
10	64QAM	1	0	9.32	9.46	9.41	
10	64QAM	1	25	9.35	9.39	9.29	10
10	64QAM	1	49	9.45	9.33	9.15	
10	64QAM	25	0	9.33	9.22	9.22	
10	64QAM	25	12	9.16	9.17	9.24	9
10	64QAM	25	25	9.29	9.22	9.27	
10	64QAM	50	0	9.21	9.24	9.23	
10	256QAM	1	0	5.36	5.51	5.46	19.5
10	256QAM	1	25	5.39	5.44	5.34	
10	256QAM	1	49	5.49	5.38	5.20	
10	256QAM	25	0	5.34	5.24	5.24	19
10	256QAM	25	12	5.17	5.19	5.26	
10	256QAM	25	25	5.30	5.24	5.29	
10	256QAM	50	0	5.22	5.26	5.25	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	10.97	10.99	10.92	12
5	QPSK	1	12	10.96	10.98	10.91	
5	QPSK	1	24	10.88	10.95	10.92	
5	QPSK	12	0	10.02	10.14	10.03	11
5	QPSK	12	7	10.06	10.00	9.98	
5	QPSK	12	13	10.03	10.06	9.99	
5	QPSK	25	0	10.06	10.07	9.96	11
5	16QAM	1	0	10.33	10.24	10.07	
5	16QAM	1	12	10.21	10.30	10.25	

Band 4 (AWS Band) (dBm)							
Part 27L (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	QPSK	1	0	11.10	11.14	11.13	12
20	QPSK	1	49	11.04	11.05	11.06	
20	QPSK	1	99	10.96	10.98	11.01	
20	QPSK	50	0	10.15	10.21	10.08	11
20	QPSK	50	24	10.09	10.12	10.13	
20	QPSK	50	50	10.06	10.09	10.15	
20	QPSK	100	0	10.03	10.12	10.07	11
20	16QAM	1	0	9.76	10.01	10.07	
20	16QAM	1	49	10.01	10.07	9.92	
20	16QAM	1	99	10.08	10.07	10.18	10
20	16QAM	50	0	9.14	9.10	9.15	
20	16QAM	50	24	9.17	9.06	9.10	
20	16QAM	50	50	9.22	9.08	9.09	10
20	16QAM	100	0	9.14	9.13	9.11	
20	64QAM	1	0	9.26	9.20	9.24	
20	64QAM	1	49	9.06	9.08	9.24	10
20	64QAM	1	99	9.16	9.17	9.28	
20	64QAM	50	0	9.08	9.05	9.06	
20	64QAM	50	24	9.07	9.09	9.22	23
20	64QAM	50	50	9.11	9.08	9.26	
20	64QAM	100	0	9.09	9.06	9.17	
20	256QAM	1	0	5.29	5.23	5.27	19
20	256QAM	1	49	5.09	5.11	5.27	
20	256QAM	1	99	5.19	5.20	5.31	
20	256QAM	50	0	5.11	5.08	5.09	19
20	256QAM	50	24	5.10	5.12	5.25	
20	256QAM	50	50	5.14	5.11	5.29	
20	256QAM	100	0	5.12	5.09	5.20	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	QPSK	1	0	11.04	11.08	11.07	12
15	QPSK	1	37	10.98	10.99	11.00	
15	QPSK	1	74	10.90	10.92	10.95	
15	QPSK	36	0	10.09	10.15	10.02	11
15	QPSK	36	20	10.03	10.06	10.07	
15	QPSK	36	39	10.00	10.03	10.09	
15	QPSK	75	0	9.97	10.06	10.01	11
15	16QAM	1	0	9.70	9.95	10.01	
15	16QAM	1	37	9.95	10.01	9.86	
15	16QAM	1	74	10.02	10.01	10.12	10
15	16QAM	36	0	9.08	9.04	9.09	
15	16QAM	36	20	9.11	9.00	9.04	
15	16QAM	36	39	9.16	9.02	9.03	10
15	16QAM	75	0	9.08	9.07	9.05	
15	64QAM	1	0	9.20	9.14	9.18	
15	64QAM	1	37	9.00	9.02	9.18	10
15	64QAM	1	74	9.10	9.11	9.22	
15	64QAM	36	0	9.02	8.99	9.00	
15	64QAM	36	20	9.01	9.03	9.16	23
15	64QAM	36	39	9.05	9.02	9.20	
15	64QAM	75	0	9.03	9.00	9.11	
15	256QAM	1	0	5.23	5.17	5.21	19
15	256QAM	1	37	5.03	5.05	5.21	
15	256QAM	1	74	5.13	5.14	5.25	
15	256QAM	36	0	5.05	5.02	5.03	19
15	256QAM	36	20	5.04	5.06	5.19	
15	256QAM	36	39	5.08	5.05	5.23	
15	256QAM	75	0	5.06	5.03	5.14	
Channel				20000	20175	20300	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	QPSK	1	0	10.99	11.03	11.02	12
10	QPSK	1	25	10.93	10.94	10.95	
10	QPSK	1	49	10.85	10.87	10.90	
10	QPSK	25	0	10.04	10.10	9.97	11
10	QPSK	25	12	9.98	10.01	10.02	
10	QPSK	25	25	9.95	9.98	10.04	
10	QPSK	50	0	9.92	10.01	9.96	11
10	16QAM	1	0	9.65	9.90	9.96	
10	16QAM	1	25	9.90	9.96	9.81	
10	16QAM	1	49	9.97	9.96	10.07	10
10	16QAM	25	0	9.03	8.99	9.04	
10	16QAM	25	12	9.06	8.95	8.99	
10	16QAM	25	25	9.11	8.97	8.98	10
10	16QAM	50	0	9.03	9.02	9.00	
10	64QAM	1	0	9.15	9.09	9.13	
10	64QAM	1	25	8.95	8.97	9.13	10
10	64QAM	1	49	9.05	9.06	9.17	
10	64QAM	25	0	8.97	8.94	8.95	
10	64QAM	25	12	8.96	8.98	9.11	23
10	64QAM	25	25	9.00	8.97	9.15	
10	64QAM	50	0	8.98	8.95	9.06	
10	256QAM	1	0	5.18	5.12	5.16	19
10	256QAM	1	25	4.98	5.00	5.16	
10	256QAM	1	49	5.08	5.09	5.20	
10	256QAM	25	0	5.00	4.97	4.98	19
10	256QAM	25	12	4.99	5.01	5.14	
10	256QAM	25	25	5.03	5.00	5.18	
10	256QAM	50	0	5.01	4.98	5.09	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	QPSK	1	0	10.93	10.97	10.96	12
5	QPSK	1	12	10.87	10.88	10.89	
5	QPSK	1	24	10.79	10.81	10.84	
5	QPSK	12	0	9.98	10.04	9.91	11
5	QPSK	12	7	9.92	9.95	9.96	
5	QPSK	12	13	9.89	9.92	9.98	
5	QPSK	25	0	9.86	9.95	9.90	11
5	16QAM	1	0	9.59	9.84	9.90	
5	16QAM	1	12	9.84	9.90	9.75	

5	16QAM	1	24	10.31	10.08	10.35	10
5	16QAM	12	0	9.25	9.20	9.24	
5	16QAM	12	7	9.34	9.19	9.18	
5	16QAM	12	13	9.21	9.24	9.26	
5	16QAM	25	0	9.19	9.21	9.17	10
5	64QAM	1	0	9.29	9.43	9.38	
5	64QAM	1	12	9.32	9.36	9.26	
5	64QAM	1	24	9.42	9.30	9.12	
5	64QAM	12	0	9.30	9.19	9.19	9
5	64QAM	12	7	9.13	9.14	9.21	
5	64QAM	12	13	9.26	9.19	9.24	
5	64QAM	25	0	9.16	9.21	9.20	
5	256QAM	1	0	5.33	5.48	5.43	19.5
5	256QAM	1	12	5.36	5.41	5.31	
5	256QAM	1	24	5.46	5.35	5.17	
5	256QAM	12	0	5.31	5.21	5.21	
5	256QAM	12	7	5.14	5.16	5.23	19
5	256QAM	12	13	5.27	5.21	5.26	
5	256QAM	25	0	5.19	5.23	5.22	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	10.94	10.96	10.89	12
3	QPSK	1	8	10.93	10.95	10.88	
3	QPSK	1	14	10.85	10.92	10.89	
3	QPSK	8	0	9.99	10.11	10.00	
3	QPSK	8	4	10.03	9.97	9.95	11
3	QPSK	8	7	10.00	10.03	9.96	
3	QPSK	15	0	10.03	10.04	9.93	
3	16QAM	1	0	10.30	10.21	10.04	
3	16QAM	1	8	10.18	10.27	10.22	11
3	16QAM	1	14	10.28	10.05	10.32	
3	16QAM	8	0	9.22	9.17	9.21	
3	16QAM	8	4	9.31	9.16	9.15	
3	16QAM	8	7	9.18	9.21	9.23	10
3	16QAM	15	0	9.16	9.18	9.14	
3	64QAM	1	0	9.26	9.40	9.35	
3	64QAM	1	8	9.29	9.33	9.23	
3	64QAM	1	14	9.39	9.27	9.09	9
3	64QAM	8	0	9.27	9.16	9.16	
3	64QAM	8	4	9.10	9.11	9.18	
3	64QAM	8	7	9.23	9.16	9.21	
3	64QAM	15	0	9.15	9.18	9.17	19.5
3	256QAM	1	0	5.30	5.45	5.40	
3	256QAM	1	8	5.33	5.38	5.28	
3	256QAM	1	14	5.43	5.32	5.14	
3	256QAM	8	0	5.28	5.18	5.18	19
3	256QAM	8	4	5.11	5.13	5.20	
3	256QAM	8	7	5.24	5.18	5.23	
3	256QAM	15	0	5.16	5.20	5.19	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	10.90	10.92	10.85	12
1.4	QPSK	1	3	10.89	10.91	10.84	
1.4	QPSK	1	5	10.81	10.88	10.85	
1.4	QPSK	3	0	9.95	10.07	9.96	
1.4	QPSK	3	1	9.99	9.93	9.91	11
1.4	QPSK	3	3	9.96	9.99	9.92	
1.4	QPSK	6	0	9.99	10.00	9.89	
1.4	16QAM	1	0	10.26	10.17	10.00	
1.4	16QAM	1	3	10.14	10.23	10.18	11
1.4	16QAM	1	5	10.24	10.01	10.28	
1.4	16QAM	3	0	9.18	9.13	9.17	
1.4	16QAM	3	1	9.27	9.12	9.11	
1.4	16QAM	3	3	9.14	9.17	9.19	10
1.4	16QAM	6	0	9.12	9.14	9.10	
1.4	64QAM	1	0	9.22	9.36	9.31	
1.4	64QAM	1	3	9.25	9.29	9.19	
1.4	64QAM	1	5	9.35	9.23	9.05	10
1.4	64QAM	3	0	9.23	9.12	9.12	
1.4	64QAM	3	1	9.06	9.07	9.14	
1.4	64QAM	3	3	9.19	9.12	9.17	
1.4	64QAM	6	0	9.11	9.14	9.13	9
1.4	256QAM	1	0	5.26	5.41	5.36	
1.4	256QAM	1	3	5.29	5.34	5.24	
1.4	256QAM	1	5	5.39	5.28	5.10	
1.4	256QAM	3	0	5.24	5.14	5.14	19.5
1.4	256QAM	3	1	5.07	5.09	5.16	
1.4	256QAM	3	3	5.20	5.14	5.19	
1.4	256QAM	6	0	5.12	5.16	5.15	
1.4	256QAM	6	0	5.12	5.16	5.15	19

5	16QAM	1	24	9.91	9.90	10.01	10
5	16QAM	12	0	8.97	8.93	8.98	
5	16QAM	12	7	9.00	8.89	8.93	
5	16QAM	12	13	9.05	8.91	8.92	
5	16QAM	25	0	8.97	8.96	8.94	10
5	64QAM	1	0	9.09	9.03	9.07	
5	64QAM	1	12	8.89	8.91	9.07	
5	64QAM	1	24	8.99	9.00	9.11	
5	64QAM	12	0	8.91	8.88	8.89	23
5	64QAM	12	7	8.90	8.92	9.05	
5	64QAM	12	13	8.94	8.91	9.09	
5	64QAM	25	0	8.92	8.89	9.00	
5	256QAM	1	0	5.12	5.06	5.10	19
5	256QAM	1	12	4.92	4.94	5.10	
5	256QAM	1	24	5.02	5.03	5.14	
5	256QAM	12	0	4.94	4.91	4.92	
5	256QAM	12	7	4.93	4.95	5.08	19
5	256QAM	12	13	4.97	4.94	5.12	
5	256QAM	25	0	4.95	4.92	5.03	
Channel				19965	20175	20365	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	QPSK	1	0	10.90	10.94	10.93	12
3	QPSK	1	8	10.84	10.85	10.86	
3	QPSK	1	14	10.76	10.78	10.81	
3	QPSK	8	0	9.95	10.01	9.88	
3	QPSK	8	4	9.89	9.92	9.93	11
3	QPSK	8	7	9.86	9.89	9.95	
3	QPSK	15	0	9.83	9.92	9.87	
3	16QAM	1	0	9.56	9.81	9.87	
3	16QAM	1	8	9.81	9.87	9.72	11
3	16QAM	1	14	9.88	9.87	9.98	
3	16QAM	8	0	8.94	8.90	8.95	
3	16QAM	8	4	8.97	8.86	8.90	
3	16QAM	8	7	9.02	8.88	8.89	10
3	16QAM	15	0	8.94	8.93	8.91	
3	64QAM	1	0	9.06	9.00	9.04	
3	64QAM	1	8	8.86	8.88	9.04	
3	64QAM	1	14	8.96	8.97	9.08	23
3	64QAM	8	0	8.88	8.85	8.86	
3	64QAM	8	4	8.87	8.89	9.02	
3	64QAM	8	7	8.91	8.88	9.06	
3	64QAM	15	0	8.89	8.86	8.97	19
3	256QAM	1	0	5.09	5.03	5.07	
3	256QAM	1	8	4.89	4.91	5.07	
3	256QAM	1	14	4.99	5.00	5.11	
3	256QAM	8	0	4.91	4.88	4.89	19
3	256QAM	8	4	4.90	4.92	5.05	
3	256QAM	8	7	4.94	4.91	5.09	
3	256QAM	15	0	4.92	4.89	5.00	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	QPSK	1	0	10.84	10.88	10.87	12
1.4	QPSK	1	3	10.78	10.79	10.80	
1.4	QPSK	1	5	10.70	10.72	10.75	
1.4	QPSK	3	0	9.89	9.95	9.82	
1.4	QPSK	3	1	9.83	9.86	9.87	11
1.4	QPSK	3	3	9.80	9.83	9.89	
1.4	QPSK	6	0	9.77	9.86	9.81	
1.4	16QAM	1	0	9.50	9.75	9.81	
1.4	16QAM	1	3	9.75	9.81	9.66	11
1.4	16QAM	1	5	9.82	9.81	9.92	
1.4	16QAM	3	0	8.88	8.84	8.89	
1.4	16QAM	3	1	8.91	8.80	8.84	
1.4	16QAM	3	3	8.96	8.82	8.83	10
1.4	16QAM	6	0	8.88	8.87	8.85	
1.4	64QAM	1	0	9.00	8.94	8.98	
1.4	64QAM	1	3	8.80	8.82	8.98	
1.4	64QAM	1	5	8.90	8.91	9.02	10
1.4	64QAM	3	0	8.82	8.79	8.80	
1.4	64QAM	3	1	8.81	8.83	8.96	
1.4	64QAM	3	3	8.85	8.82	9.00	
1.4	64QAM	6	0	8.83	8.80	8.91	23
1.4	256QAM	1	0	5.03	4.97	5.01	
1.4	256QAM	1	3	4.83	4.85	5.01	
1.4	256QAM	1	5	4.93	4.94	5.05	
1.4	256QAM	3	0	4.85	4.82	4.83	19
1.4	256QAM	3	1	4.84	4.86	4.99	
1.4	256QAM	3	3	4.88	4.85	5.03	
1.4	256QAM	6	0	4.86	4.83	4.94	

Band 5 (Celluar Band) (dBm) Part 22H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20450	20525	20600	
Frequency (MHz)				829	836.5	844	
10	QPSK	1	0	22.38	22.39	22.19	23
10	QPSK	1	25	22.04	22.07	21.96	
10	QPSK	1	49	21.96	22.03	21.78	
10	QPSK	25	0	21.28	21.32	21.25	22
10	QPSK	25	12	21.21	21.18	21.13	
10	QPSK	25	25	21.13	21.09	21.12	
10	QPSK	50	0	21.02	21.04	21.01	22
10	16QAM	1	0	21.11	21.01	20.97	
10	16QAM	1	25	21.10	21.28	21.14	
10	16QAM	1	49	21.07	21.08	21.00	21
10	16QAM	25	0	20.06	19.97	19.94	
10	16QAM	25	12	19.98	19.94	19.91	
10	16QAM	25	25	20.06	20.02	19.97	21
10	16QAM	50	0	20.10	19.96	19.93	
10	64QAM	1	0	20.12	20.19	20.08	
10	64QAM	1	25	19.99	19.97	20.03	21
10	64QAM	1	49	20.14	19.94	20.10	
10	64QAM	25	0	20.09	20.02	19.97	
10	64QAM	25	12	20.17	19.97	20.02	23
10	64QAM	25	25	20.01	20.02	19.97	
10	64QAM	50	0	20.02	19.99	20.01	
10	256QAM	1	0	16.16	16.23	16.12	19
10	256QAM	1	25	16.03	16.01	16.07	
10	256QAM	1	49	16.18	15.98	16.14	
10	256QAM	25	0	16.13	16.06	16.01	19
10	256QAM	25	12	16.21	16.01	16.06	
10	256QAM	25	25	16.05	16.06	16.01	
10	256QAM	50	0	16.06	16.03	16.05	
Channel				20425	20525	20625	
Frequency (MHz)				826.5	836.5	846.5	Tune-up limit (dBm)
5	QPSK	1	0	22.02	22.03	21.95	23
5	QPSK	1	12	21.98	22.01	21.90	
5	QPSK	1	24	21.90	21.97	21.72	
5	QPSK	12	0	21.08	21.16	21.02	22
5	QPSK	12	7	21.15	21.12	21.07	
5	QPSK	12	13	21.07	21.03	21.06	
5	QPSK	25	0	20.96	20.98	20.95	22
5	16QAM	1	0	21.05	20.95	20.91	
5	16QAM	1	12	21.04	21.22	21.08	
5	16QAM	1	24	21.01	21.02	20.94	21
5	16QAM	12	0	20.00	19.91	19.88	
5	16QAM	12	7	19.92	19.88	19.85	
5	16QAM	12	13	20.00	19.96	19.91	21
5	16QAM	25	0	20.04	19.90	19.87	
5	64QAM	1	0	20.06	20.13	20.02	
5	64QAM	1	12	19.93	19.91	19.97	21
5	64QAM	1	24	20.08	19.88	20.04	
5	64QAM	12	0	20.03	19.96	19.91	
5	64QAM	12	7	20.11	19.91	19.96	23
5	64QAM	12	13	19.95	19.96	19.91	
5	64QAM	25	0	19.96	19.93	19.95	
5	256QAM	1	0	16.10	16.17	16.06	19
5	256QAM	1	12	15.97	15.95	16.01	
5	256QAM	1	24	16.12	15.92	16.08	
5	256QAM	12	0	16.07	16.00	15.95	19
5	256QAM	12	7	16.15	15.95	16.00	
5	256QAM	12	13	15.99	16.00	15.95	
5	256QAM	25	0	16.00	15.97	15.99	
Channel				20393	20503	20613	
Frequency (MHz)				823.5	834.5	845.5	Tune-up limit (dBm)
3	QPSK	1	0	21.97	21.98	21.90	23
3	QPSK	1	8	21.93	21.96	21.85	
3	QPSK	1	14	21.85	21.92	21.67	
3	QPSK	8	0	21.03	21.11	20.97	22
3	QPSK	8	4	21.10	21.07	21.02	
3	QPSK	8	7	21.02	20.98	21.01	
3	QPSK	15	0	20.91	20.93	20.90	22
3	16QAM	1	0	21.00	20.90	20.86	
3	16QAM	1	8	20.99	21.17	21.03	
3	16QAM	1	14	20.96	20.97	20.89	21
3	16QAM	8	0	19.95	19.86	19.83	
3	16QAM	8	4	19.87	19.83	19.80	
3	16QAM	8	7	19.95	19.91	19.86	21
3	16QAM	15	0	19.99	19.85	19.82	
3	64QAM	1	0	20.01	20.08	19.97	
3	64QAM	1	8	19.88	19.86	19.92	23
3	64QAM	1	14	20.03	19.83	19.99	
3	64QAM	8	0	19.98	19.91	19.86	
3	64QAM	8	4	20.06	19.86	19.91	19
3	64QAM	8	7	19.90	19.91	19.86	
3	64QAM	15	0	19.91	19.88	19.90	
3	256QAM	1	0	16.05	16.12	16.01	19
3	256QAM	1	8	15.92	15.90	15.96	
3	256QAM	1	14	16.07	15.87	16.03	
3	256QAM	8	0	16.02	15.95	15.90	19
3	256QAM	8	4	16.10	15.90	15.95	
3	256QAM	8	7	15.94	15.95	15.90	
3	256QAM	15	0	15.95	15.92	15.94	
Channel				20407	20525	20643	
Frequency (MHz)				824.7	836.5	848.3	Tune-up limit (dBm)
1.4	QPSK	1	0	21.93	21.94	21.86	23
1.4	QPSK	1	3	21.89	21.92	21.81	
1.4	QPSK	1	5	21.81	21.88	21.63	
1.4	QPSK	3	0	20.99	21.07	20.93	22
1.4	QPSK	3	1	21.06	21.03	20.98	
1.4	QPSK	3	3	20.98	20.94	20.97	
1.4	QPSK	6	0	20.87	20.89	20.86	22
1.4	16QAM	1	0	20.96	20.86	20.82	
1.4	16QAM	1	3	20.95	21.13	20.99	

Band 7 (2600MHz Band) (dBm)							
Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	14.08	14.14	14.10	15
20	QPSK	1	49	14.00	14.07	14.12	
20	QPSK	1	99	14.11	14.12	14.13	
20	QPSK	50	0	13.21	13.34	13.33	14
20	QPSK	50	24	13.28	13.33	13.32	
20	QPSK	50	50	13.31	13.30	13.32	
20	QPSK	100	0	13.30	13.32	13.29	14
20	16QAM	1	0	13.22	13.16	13.21	
20	16QAM	1	49	13.29	13.28	13.20	
20	16QAM	1	99	13.30	13.35	13.31	13
20	16QAM	50	0	12.20	12.35	12.41	
20	16QAM	50	24	12.24	12.29	12.21	
20	16QAM	50	50	12.23	12.34	12.19	13
20	16QAM	100	0	12.22	12.27	12.32	
20	64QAM	1	0	12.25	12.29	12.33	
20	64QAM	1	49	12.29	12.35	12.10	13
20	64QAM	1	99	12.24	12.11	12.01	
20	64QAM	50	0	12.21	12.25	12.29	
20	64QAM	50	24	12.21	12.34	12.13	22
20	64QAM	50	50	12.18	12.33	12.27	
20	64QAM	100	0	12.26	12.25	12.15	
20	256QAM	1	0	8.29	8.33	8.37	18
20	256QAM	1	49	8.33	8.39	8.14	
20	256QAM	1	99	8.28	8.15	8.05	
20	256QAM	50	0	8.25	8.29	8.33	18
20	256QAM	50	24	8.25	8.38	8.17	
20	256QAM	50	50	8.22	8.37	8.31	
20	256QAM	100	0	8.30	8.29	8.19	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	14.04	14.10	14.06	15
15	QPSK	1	37	13.96	14.03	14.08	
15	QPSK	1	74	14.07	14.08	14.09	
15	QPSK	36	0	13.17	13.30	13.29	14
15	QPSK	36	20	13.24	13.29	13.28	
15	QPSK	36	39	13.27	13.26	13.28	
15	QPSK	75	0	13.32	13.33	13.25	14
15	16QAM	1	0	13.18	13.12	13.17	
15	16QAM	1	37	13.25	13.24	13.16	
15	16QAM	1	74	13.26	13.31	13.27	13
15	16QAM	36	0	12.16	12.31	12.37	
15	16QAM	36	20	12.20	12.25	12.17	
15	16QAM	36	39	12.19	12.30	12.15	13
15	16QAM	75	0	12.18	12.23	12.28	
15	64QAM	1	0	12.21	12.25	12.29	
15	64QAM	1	37	12.25	12.31	12.06	13
15	64QAM	1	74	12.20	12.07	11.97	
15	64QAM	36	0	12.17	12.21	12.25	
15	64QAM	36	20	12.17	12.30	12.09	22
15	64QAM	36	39	12.14	12.29	12.23	
15	64QAM	75	0	12.22	12.21	12.11	
15	256QAM	1	0	8.25	8.29	8.33	18
15	256QAM	1	37	8.29	8.35	8.10	
15	256QAM	1	74	8.24	8.11	8.01	
15	256QAM	36	0	8.21	8.25	8.29	18
15	256QAM	36	20	8.21	8.34	8.13	
15	256QAM	36	39	8.18	8.33	8.27	
15	256QAM	75	0	8.26	8.25	8.15	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	14.00	14.06	14.02	15
10	QPSK	1	25	13.92	13.99	14.04	
10	QPSK	1	49	14.03	14.04	14.05	
10	QPSK	25	0	13.13	13.26	13.25	14
10	QPSK	25	12	13.20	13.25	13.24	
10	QPSK	25	25	13.23	13.22	13.24	
10	QPSK	50	0	13.28	13.29	13.21	14
10	16QAM	1	0	13.14	13.08	13.13	
10	16QAM	1	25	13.21	13.20	13.12	
10	16QAM	1	49	13.22	13.27	13.23	13
10	16QAM	25	0	12.12	12.27	12.33	
10	16QAM	25	12	12.16	12.21	12.13	
10	16QAM	25	25	12.15	12.26	12.11	13
10	16QAM	50	0	12.14	12.19	12.24	
10	64QAM	1	0	12.17	12.21	12.25	
10	64QAM	1	25	12.21	12.27	12.02	13
10	64QAM	1	49	12.16	12.03	11.93	
10	64QAM	25	0	12.13	12.17	12.21	
10	64QAM	25	12	12.13	12.26	12.05	22
10	64QAM	25	25	12.10	12.25	12.19	
10	64QAM	50	0	12.18	12.17	12.07	
10	256QAM	1	0	8.21	8.25	8.29	18
10	256QAM	1	25	8.25	8.31	8.06	
10	256QAM	1	49	8.20	8.07	7.97	
10	256QAM	25	0	8.17	8.21	8.25	18
10	256QAM	25	12	8.17	8.30	8.09	
10	256QAM	25	25	8.14	8.29	8.23	
10	256QAM	50	0	8.22	8.21	8.11	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	13.95	14.01	13.97	15
5	QPSK	1	12	13.87	13.94	13.99	
5	QPSK	1	24	13.98	13.99	14.00	
5	QPSK	12	0	13.05	13.21	13.20	14
5	QPSK	12	7	13.08	13.20	13.19	
5	QPSK	12	13	13.18	13.17	13.19	
5	QPSK	25	0	13.23	13.24	13.16	14
5	16QAM	1	0	13.09	13.03	13.08	
5	16QAM	1	12	13.16	13.15	13.07	



1.4	16QAM	1	5	20.92	20.93	20.85	22
1.4	16QAM	3	0	19.91	19.82	19.79	
1.4	16QAM	3	1	19.83	19.79	19.76	
1.4	16QAM	3	3	19.91	19.87	19.82	21
1.4	16QAM	6	0	19.95	19.81	19.78	
1.4	64QAM	1	0	19.97	20.04	19.93	
1.4	64QAM	1	3	19.84	19.82	19.88	21
1.4	64QAM	1	5	19.99	19.79	19.95	
1.4	64QAM	3	0	19.94	19.87	19.82	
1.4	64QAM	3	1	20.02	19.82	19.87	
1.4	64QAM	3	3	19.86	19.87	19.82	
1.4	64QAM	6	0	19.87	19.84	19.86	
1.4	256QAM	1	0	16.01	16.08	15.97	23
1.4	256QAM	1	3	15.88	15.86	15.92	
1.4	256QAM	1	5	16.03	15.83	15.99	
1.4	256QAM	3	0	15.98	15.91	15.86	19
1.4	256QAM	3	1	16.06	15.86	15.91	
1.4	256QAM	3	3	15.90	15.91	15.86	
1.4	256QAM	6	0	15.91	15.88	15.90	

5	16QAM	1	24	13.17	13.22	13.18	13
5	16QAM	12	0	12.07	12.22	12.28	
5	16QAM	12	7	12.11	12.16	12.08	
5	16QAM	12	13	12.10	12.21	12.06	
5	16QAM	25	0	12.09	12.14	12.19	
5	64QAM	1	0	12.12	12.16	12.20	13
5	64QAM	1	12	12.16	12.22	11.97	
5	64QAM	1	24	12.11	11.98	11.88	
5	64QAM	12	0	12.08	12.12	12.16	22
5	64QAM	12	7	12.08	12.21	12.00	
5	64QAM	12	13	12.05	12.20	12.14	
5	64QAM	25	0	12.13	12.12	12.02	
5	256QAM	1	0	8.16	8.20	8.24	
5	256QAM	1	12	8.20	8.26	8.01	18
5	256QAM	1	24	8.15	8.02	7.92	
5	256QAM	12	0	8.12	8.16	8.20	
5	256QAM	12	7	8.12	8.25	8.04	
5	256QAM	12	13	8.09	8.24	8.18	
5	256QAM	25	0	8.17	8.16	8.06	

Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23090	23095	23130	
Frequency (MHz)				704	707.5	711	
10	QPSK	1	0	23.11	23.16	23.04	24
10	QPSK	1	25	23.04	23.07	23.08	
10	QPSK	1	49	22.94	23.09	23.11	
10	QPSK	25	0	22.10	22.15	22.14	
10	QPSK	25	12	22.12	22.03	22.10	23
10	QPSK	25	25	22.12	22.07	22.04	
10	QPSK	50	0	22.06	22.05	22.11	
10	16QAM	1	0	22.30	22.27	22.14	
10	16QAM	1	25	22.05	22.12	22.12	23
10	16QAM	1	49	22.10	22.05	22.16	
10	16QAM	25	0	21.08	21.10	21.21	
10	16QAM	25	12	21.06	21.11	21.08	
10	16QAM	25	25	21.18	21.15	21.17	22
10	16QAM	50	0	21.22	21.16	21.13	
10	64QAM	1	0	21.22	21.17	21.07	
10	64QAM	1	25	21.28	21.23	21.21	
10	64QAM	1	49	21.34	21.36	21.30	22
10	64QAM	25	0	21.06	21.26	21.10	
10	64QAM	25	12	21.13	21.19	21.21	
10	64QAM	25	25	21.08	21.15	21.09	
10	64QAM	50	0	21.12	21.10	21.13	23
10	256QAM	1	0	17.06	17.01	16.91	
10	256QAM	1	25	17.12	17.07	17.05	
10	256QAM	1	49	17.18	17.20	17.14	
10	256QAM	25	0	16.90	17.10	16.94	19
10	256QAM	25	12	16.97	17.03	17.05	
10	256QAM	25	25	16.92	16.99	16.93	
10	256QAM	50	0	16.96	16.94	16.97	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	QPSK	1	0	23.05	23.10	22.98	24
5	QPSK	1	12	22.98	23.01	23.02	
5	QPSK	1	24	22.88	23.03	23.05	
5	QPSK	12	0	22.04	22.09	22.08	
5	QPSK	12	7	22.06	21.97	22.04	23
5	QPSK	12	13	22.06	22.01	21.98	
5	QPSK	25	0	22.00	21.99	22.05	
5	16QAM	1	0	22.24	22.21	22.08	
5	16QAM	1	12	21.99	22.06	22.06	23
5	16QAM	1	24	22.04	21.99	22.10	
5	16QAM	12	0	21.02	21.04	21.15	
5	16QAM	12	7	21.00	21.05	21.02	
5	16QAM	12	13	21.12	21.09	21.11	22
5	16QAM	25	0	21.16	21.10	21.07	
5	64QAM	1	0	21.16	21.11	21.01	
5	64QAM	1	12	21.22	21.17	21.15	
5	64QAM	1	24	21.28	21.30	21.24	22
5	64QAM	12	0	21.00	21.20	21.04	
5	64QAM	12	7	21.07	21.13	21.15	
5	64QAM	12	13	21.02	21.09	21.03	
5	64QAM	25	0	21.06	21.04	21.07	23
5	256QAM	1	0	17.00	16.95	16.85	
5	256QAM	1	12	17.06	17.01	16.99	
5	256QAM	1	24	17.12	17.14	17.08	
5	256QAM	12	0	16.84	17.04	16.88	19
5	256QAM	12	7	16.91	16.97	16.99	
5	256QAM	12	13	16.86	16.93	16.87	
5	256QAM	25	0	16.90	16.88	16.91	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	QPSK	1	0	23.00	23.05	22.93	24
3	QPSK	1	8	22.93	22.96	22.97	
3	QPSK	1	14	22.83	22.98	23.00	
3	QPSK	8	0	21.99	22.04	22.03	
3	QPSK	8	4	22.01	21.92	21.99	23
3	QPSK	8	7	22.01	21.96	21.93	
3	QPSK	15	0	21.95	21.94	22.00	
3	16QAM	1	0	22.19	22.16	22.03	
3	16QAM	1	8	21.94	22.01	22.01	23
3	16QAM	1	14	21.99	21.94	22.05	
3	16QAM	8	0	20.97	20.99	21.10	
3	16QAM	8	4	20.95	21.00	20.97	
3	16QAM	8	7	21.07	21.04	21.06	22
3	16QAM	15	0	21.11	21.05	21.02	
3	64QAM	1	0	21.11	21.06	20.96	
3	64QAM	1	8	21.17	21.12	21.10	
3	64QAM	1	14	21.23	21.25	21.19	23
3	64QAM	8	0	20.95	21.15	20.99	
3	64QAM	8	4	21.02	21.08	21.10	
3	64QAM	8	7	20.97	21.04	20.98	
3	64QAM	15	0	21.01	20.99	21.02	19
3	256QAM	1	0	16.95	16.90	16.80	
3	256QAM	1	8	17.01	16.96	16.94	
3	256QAM	1	14	17.07	17.09	17.03	
3	256QAM	8	0	16.79	16.99	16.83	19
3	256QAM	8	4	16.86	16.92	16.94	
3	256QAM	8	7	16.81	16.88	16.82	
3	256QAM	15	0	16.85	16.83	16.86	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	QPSK	1	0	22.95	23.00	22.88	24
1.4	QPSK	1	3	22.88	22.91	22.92	
1.4	QPSK	1	5	22.78	22.93	22.95	
1.4	QPSK	3	0	21.94	21.99	21.98	
1.4	QPSK	3	1	21.96	21.87	21.94	23
1.4	QPSK	3	3	21.96	21.91	21.88	
1.4	QPSK	6	0	21.90	21.89	21.95	
1.4	16QAM	1	0	22.14	22.11	21.98	
1.4	16QAM	1	3	21.89	21.96	21.96	

Band 13(700MHz Band) (dBm) Part 27F							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23230			
Frequency (MHz)				782			
10	QPSK	1	0		23.15		24
10	QPSK	1	25		23.12		
10	QPSK	1	49		23.02		
10	QPSK	25	0		22.20		23
10	QPSK	25	12		22.12		
10	QPSK	25	25		22.13		
10	QPSK	50	0		22.14		
10	16QAM	1	0		22.29		23
10	16QAM	1	25		22.26		
10	16QAM	1	49		22.37		
10	16QAM	25	0		21.23		
10	16QAM	25	12		21.23		22
10	16QAM	25	25		21.15		
10	16QAM	50	0		21.19		
10	64QAM	1	0		21.31		
10	64QAM	1	25		21.40		22
10	64QAM	1	49		21.34		
10	64QAM	25	0		21.21		
10	64QAM	25	12		21.18		22
10	64QAM	25	25		21.22		
10	64QAM	50	0		21.13		
10	256QAM	1	0		18.20		19
10	256QAM	1	25		18.29		
10	256QAM	1	49		18.23		
10	256QAM	25	0		18.10		
10	256QAM	25	12		18.07		19
10	256QAM	25	25		18.11		
10	256QAM	50	0		18.02		
Channel				23205	23230	23255	Tune-up limit (dBm)
Frequency (MHz)				779.5	782	784.5	
5	QPSK	1	0	23.09	23.10	23.07	24
5	QPSK	1	12	23.04	23.00	23.06	
5	QPSK	1	24	22.91	22.88	22.97	
5	QPSK	12	0	22.14	22.10	22.11	
5	QPSK	12	7	22.09	22.06	22.09	23
5	QPSK	12	13	22.08	22.06	22.00	
5	QPSK	25	0	22.00	22.06	22.00	
5	16QAM	1	0	22.23	22.24	22.23	
5	16QAM	1	12	22.14	22.20	22.14	23
5	16QAM	1	24	22.27	22.24	22.25	
5	16QAM	12	0	21.14	21.15	21.17	
5	16QAM	12	7	21.10	21.11	21.13	
5	16QAM	12	13	21.03	21.06	21.09	22
5	16QAM	25	0	21.12	21.05	21.12	
5	64QAM	1	0	21.25	21.19	21.25	
5	64QAM	1	12	21.27	21.32	21.34	
5	64QAM	1	24	21.20	21.23	21.20	22
5	64QAM	12	0	21.16	21.16	21.07	
5	64QAM	12	7	21.09	21.04	21.11	
5	64QAM	12	13	21.16	21.14	21.11	
5	64QAM	25	0	21.03	21.06	21.05	19
5	256QAM	1	0	18.06	18.08	18.14	
5	256QAM	1	12	18.20	18.18	18.19	
5	256QAM	1	24	18.12	18.09	18.09	
5	256QAM	12	0	17.98	18.00	17.96	19
5	256QAM	12	7	17.97	18.01	17.99	
5	256QAM	12	13	18.03	18.05	18.03	
5	256QAM	25	0	17.94	17.97	17.94	

1.4	16QAM	1	5	21.94	21.89	22.00	23
1.4	16QAM	3	0	20.92	20.94	21.05	
1.4	16QAM	3	1	20.90	20.95	20.92	
1.4	16QAM	3	3	21.02	20.99	21.01	
1.4	16QAM	6	0	21.06	21.00	20.97	22
1.4	64QAM	1	0	21.06	21.01	20.91	
1.4	64QAM	1	3	21.12	21.07	21.05	
1.4	64QAM	1	5	21.18	21.20	21.14	
1.4	64QAM	3	0	20.90	21.10	20.94	22
1.4	64QAM	3	1	20.97	21.03	21.05	
1.4	64QAM	3	3	20.92	20.99	20.93	
1.4	64QAM	6	0	20.96	20.94	20.97	
1.4	256QAM	1	0	16.90	16.85	16.75	23
1.4	256QAM	1	3	16.96	16.91	16.89	
1.4	256QAM	1	5	17.02	17.04	16.98	
1.4	256QAM	3	0	16.74	16.94	16.78	
1.4	256QAM	3	1	16.81	16.87	16.89	19
1.4	256QAM	3	3	16.76	16.83	16.77	
1.4	256QAM	6	0	16.80	16.78	16.81	
1.4	256QAM	6	0	16.80	16.78	16.81	

Band 17 (700MHz Band) (dBm) Part 27H(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23780	23790	23800	
Frequency (MHz)				709	710	711	
10	QPSK	1	0	23.00	23.05	22.93	24
10	QPSK	1	25	22.93	22.96	22.97	
10	QPSK	1	49	22.83	22.98	23.00	
10	QPSK	25	0	21.99	22.04	22.03	
10	QPSK	25	12	22.01	21.92	21.99	23
10	QPSK	25	25	22.01	21.96	21.93	
10	QPSK	50	0	21.95	21.94	22.00	
10	16QAM	1	0	22.19	22.16	22.03	
10	16QAM	1	25	21.94	22.01	22.01	23
10	16QAM	1	49	21.99	21.94	22.05	
10	16QAM	25	0	20.97	20.99	21.10	
10	16QAM	25	12	20.95	21.00	20.97	
10	16QAM	25	25	21.07	21.04	21.06	22
10	16QAM	50	0	21.11	21.05	21.02	
10	64QAM	1	0	21.11	21.06	20.96	
10	64QAM	1	25	21.17	21.12	21.10	
10	64QAM	1	49	21.23	21.25	21.19	22
10	64QAM	25	0	20.95	21.15	20.99	
10	64QAM	25	12	21.02	21.08	21.10	
10	64QAM	25	25	20.97	21.04	20.98	
10	64QAM	50	0	21.01	20.99	21.02	23
10	256QAM	1	0	16.95	16.90	16.80	
10	256QAM	1	25	17.01	16.96	16.94	
10	256QAM	1	49	17.07	17.09	17.03	
10	256QAM	25	0	16.79	16.99	16.83	19
10	256QAM	25	12	16.86	16.92	16.94	
10	256QAM	25	25	16.81	16.88	16.82	
10	256QAM	50	0	16.85	16.83	16.86	
Channel				23755	23790	23825	
Frequency (MHz)				706.5	710	713.5	
5	QPSK	1	0	22.94	22.99	22.87	24
5	QPSK	1	12	22.87	22.90	22.91	
5	QPSK	1	24	22.77	22.92	22.94	
5	QPSK	12	0	21.93	21.98	21.97	
5	QPSK	12	7	21.95	21.86	21.93	23
5	QPSK	12	13	21.95	21.90	21.87	
5	QPSK	25	0	21.89	21.88	21.94	
5	16QAM	1	0	22.13	22.10	21.97	
5	16QAM	1	12	21.88	21.95	21.95	23
5	16QAM	1	24	21.93	21.88	21.99	
5	16QAM	12	0	20.91	20.93	21.04	
5	16QAM	12	7	20.89	20.94	20.91	
5	16QAM	12	13	21.01	20.98	21.00	22
5	16QAM	25	0	21.05	20.99	20.96	
5	64QAM	1	0	21.05	21.00	20.90	
5	64QAM	1	12	21.11	21.06	21.04	
5	64QAM	1	24	21.17	21.19	21.13	22
5	64QAM	12	0	20.89	21.09	20.93	
5	64QAM	12	7	20.96	21.02	21.04	
5	64QAM	12	13	20.91	20.98	20.92	
5	64QAM	25	0	20.95	20.93	20.96	19
5	256QAM	1	0	16.89	16.84	16.74	
5	256QAM	1	12	16.95	16.90	16.88	
5	256QAM	1	24	17.01	17.03	16.97	
5	256QAM	12	0	16.73	16.93	16.77	19
5	256QAM	12	7	16.80	16.86	16.88	
5	256QAM	12	13	16.75	16.82	16.76	
5	256QAM	25	0	16.79	16.77	16.80	

Band 25 (1900MHz Band) (dBm)							
Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26140	26365	26590	
Frequency (MHz)				1860	1882.5	1905	
20	QPSK	1	0	15.13	15.19	15.11	16
20	QPSK	1	49	14.90	14.87	14.84	
20	QPSK	1	99	14.88	14.79	14.77	
20	QPSK	50	0	14.15	14.16	14.13	
20	QPSK	50	24	14.02	13.98	14.00	15
20	QPSK	50	50	14.01	13.92	13.94	
20	QPSK	100	0	14.00	14.01	14.00	
20	16QAM	1	0	13.93	13.93	13.95	
20	16QAM	1	49	14.02	13.99	13.98	15
20	16QAM	1	99	13.84	13.96	13.97	
20	16QAM	50	0	13.05	12.90	12.91	
20	16QAM	50	24	12.95	12.94	12.84	
20	16QAM	50	50	12.90	12.88	12.89	14
20	16QAM	100	0	12.89	12.98	12.88	
20	64QAM	1	0	12.96	12.97	12.90	
20	64QAM	1	49	12.91	12.93	13.00	
20	64QAM	1	99	12.98	12.95	12.93	14
20	64QAM	50	0	12.94	12.89	12.92	
20	64QAM	50	24	12.94	13.00	12.91	
20	64QAM	50	50	12.85	12.91	12.85	
20	64QAM	100	0	13.00	12.99	12.79	22
20	256QAM	1	0	9.03	9.04	8.97	
20	256QAM	1	49	8.98	9.00	9.07	
20	256QAM	1	99	9.05	9.02	9.00	
20	256QAM	50	0	9.01	8.96	8.99	18
20	256QAM	50	24	9.01	9.07	8.98	
20	256QAM	50	50	8.92	8.98	8.92	
20	256QAM	100	0	9.07	9.06	8.86	
Channel				26115	26365	26615	
Frequency (MHz)				1857.5	1882.5	1907.5	
15	QPSK	1	0	14.98	15.04	14.96	16
15	QPSK	1	37	14.85	14.82	14.79	
15	QPSK	1	74	14.83	14.74	14.72	
15	QPSK	36	0	14.00	14.01	13.98	
15	QPSK	36	20	13.97	13.93	13.95	15
15	QPSK	36	39	13.96	13.87	13.89	
15	QPSK	75	0	13.95	13.96	13.95	
15	16QAM	1	0	13.88	13.88	13.90	
15	16QAM	1	37	13.97	13.94	13.93	15
15	16QAM	1	74	13.79	13.91	13.92	
15	16QAM	36	0	13.00	12.85	12.86	
15	16QAM	36	20	12.90	12.89	12.79	
15	16QAM	36	39	12.85	12.83	12.84	14
15	16QAM	75	0	12.84	12.93	12.83	
15	64QAM	1	0	12.91	12.92	12.85	
15	64QAM	1	37	12.86	12.88	12.95	
15	64QAM	1	74	12.93	12.90	12.88	22
15	64QAM	36	0	12.89	12.84	12.87	
15	64QAM	36	20	12.89	12.95	12.86	
15	64QAM	36	39	12.80	12.86	12.80	
15	64QAM	75	0	12.95	12.94	12.74	18
15	256QAM	1	0	8.98	8.99	8.92	
15	256QAM	1	37	8.93	8.95	9.02	
15	256QAM	1	74	9.00	8.97	8.95	
15	256QAM	36	0	8.96	8.91	8.94	18
15	256QAM	36	20	8.96	9.02	8.93	
15	256QAM	36	39	8.87	8.93	8.87	
15	256QAM	75	0	9.02	9.01	8.81	
Channel				26090	26365	26640	
Frequency (MHz)				1855	1882.5	1910	
10	QPSK	1	0	14.92	14.98	14.90	16
10	QPSK	1	25	14.79	14.76	14.73	
10	QPSK	1	49	14.77	14.68	14.66	
10	QPSK	25	0	13.94	13.95	13.92	
10	QPSK	25	12	13.91	13.87	13.89	15
10	QPSK	25	25	13.90	13.81	13.83	
10	QPSK	50	0	13.89	13.90	13.89	
10	16QAM	1	0	13.82	13.82	13.84	
10	16QAM	1	25	13.91	13.88	13.87	15
10	16QAM	1	49	13.73	13.85	13.86	
10	16QAM	25	0	12.94	12.79	12.80	
10	16QAM	25	12	12.84	12.83	12.73	
10	16QAM	25	25	12.79	12.77	12.78	14
10	16QAM	50	0	12.78	12.87	12.77	
10	64QAM	1	0	12.85	12.86	12.79	
10	64QAM	1	25	12.80	12.82	12.89	
10	64QAM	1	49	12.87	12.84	12.82	22
10	64QAM	25	0	12.83	12.78	12.81	
10	64QAM	25	12	12.83	12.89	12.80	
10	64QAM	25	25	12.74	12.80	12.74	
10	64QAM	50	0	12.89	12.88	12.68	18
10	256QAM	1	0	8.92	8.93	8.86	
10	256QAM	1	25	8.87	8.89	8.96	
10	256QAM	1	49	8.94	8.91	8.89	
10	256QAM	25	0	8.90	8.85	8.88	18
10	256QAM	25	12	8.90	8.96	8.87	
10	256QAM	25	25	8.81	8.87	8.81	
10	256QAM	50	0	8.96	8.95	8.75	
Channel				26065	26365	26665	
Frequency (MHz)				1852.5	1882.5	1912.5	
5	QPSK	1	0	14.88	14.94	14.86	16
5	QPSK	1	12	14.75	14.72	14.69	
5	QPSK	1	24	14.73	14.64	14.62	
5	QPSK	12	0	13.90	13.91	13.88	
5	QPSK	12	7	13.87	13.83	13.85	15
5	QPSK	12	13	13.86	13.77	13.79	
5	QPSK	25	0	13.85	13.86	13.85	
5	16QAM	1	0	13.78	13.78	13.80	
5	16QAM	1	12	13.87	13.84	13.83	15

5	16QAM	1	24	13.69	13.81	13.82	14
5	16QAM	12	0	12.90	12.75	12.76	
5	16QAM	12	7	12.80	12.79	12.69	
5	16QAM	12	13	12.75	12.73	12.74	
5	16QAM	25	0	12.74	12.83	12.73	14
5	64QAM	1	0	12.81	12.82	12.75	
5	64QAM	1	12	12.76	12.78	12.85	
5	64QAM	1	24	12.83	12.80	12.78	
5	64QAM	12	0	12.79	12.74	12.77	22
5	64QAM	12	7	12.79	12.85	12.76	
5	64QAM	12	13	12.70	12.76	12.70	
5	64QAM	25	0	12.85	12.84	12.64	
5	256QAM	1	0	8.88	8.89	8.82	18
5	256QAM	1	12	8.83	8.85	8.92	
5	256QAM	1	24	8.90	8.87	8.85	
5	256QAM	12	0	8.86	8.81	8.84	
5	256QAM	12	7	8.86	8.92	8.83	18
5	256QAM	12	13	8.77	8.83	8.77	
5	256QAM	25	0	8.92	8.91	8.71	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	14.86	14.92	14.84	16
3	QPSK	1	8	14.73	14.70	14.67	
3	QPSK	1	14	14.71	14.62	14.60	
3	QPSK	8	0	13.88	13.89	13.86	
3	QPSK	8	4	13.85	13.81	13.83	15
3	QPSK	8	7	13.84	13.75	13.77	
3	QPSK	15	0	13.83	13.84	13.83	
3	16QAM	1	0	13.76	13.76	13.78	
3	16QAM	1	8	13.85	13.82	13.81	15
3	16QAM	1	14	13.67	13.79	13.80	
3	16QAM	8	0	12.88	12.73	12.74	
3	16QAM	8	4	12.78	12.77	12.67	
3	16QAM	8	7	12.73	12.71	12.72	14
3	16QAM	15	0	12.72	12.81	12.71	
3	64QAM	1	0	12.79	12.80	12.73	
3	64QAM	1	8	12.74	12.76	12.83	
3	64QAM	1	14	12.81	12.78	12.76	22
3	64QAM	8	0	12.77	12.72	12.75	
3	64QAM	8	4	12.77	12.83	12.74	
3	64QAM	8	7	12.68	12.74	12.68	
3	64QAM	15	0	12.83	12.82	12.62	18
3	256QAM	1	0	8.86	8.87	8.80	
3	256QAM	1	8	8.81	8.83	8.90	
3	256QAM	1	14	8.88	8.85	8.83	
3	256QAM	8	0	8.84	8.79	8.82	18
3	256QAM	8	4	8.84	8.90	8.81	
3	256QAM	8	7	8.75	8.81	8.75	
3	256QAM	15	0	8.90	8.89	8.69	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	14.83	14.89	14.81	16
1.4	QPSK	1	3	14.70	14.67	14.64	
1.4	QPSK	1	5	14.68	14.59	14.57	
1.4	QPSK	3	0	13.85	13.86	13.83	
1.4	QPSK	3	1	13.82	13.78	13.80	14
1.4	QPSK	3	3	13.81	13.72	13.74	
1.4	QPSK	6	0	13.80	13.81	13.80	
1.4	16QAM	1	0	13.73	13.73	13.75	
1.4	16QAM	1	3	13.82	13.79	13.78	14
1.4	16QAM	1	5	13.64	13.76	13.77	
1.4	16QAM	3	0	12.85	12.70	12.71	
1.4	16QAM	3	1	12.75	12.74	12.64	
1.4	16QAM	3	3	12.70	12.68	12.69	13
1.4	16QAM	6	0	12.69	12.78	12.68	
1.4	64QAM	1	0	12.76	12.77	12.70	
1.4	64QAM	1	3	12.71	12.73	12.80	
1.4	64QAM	1	5	12.78	12.75	12.73	14
1.4	64QAM	3	0	12.74	12.69	12.72	
1.4	64QAM	3	1	12.74	12.80	12.71	
1.4	64QAM	3	3	12.65	12.71	12.65	
1.4	64QAM	6	0	12.80	12.79	12.59	22
1.4	256QAM	1	0	8.83	8.84	8.77	
1.4	256QAM	1	3	8.78	8.80	8.87	
1.4	256QAM	1	5	8.85	8.82	8.80	
1.4	256QAM	3	0	8.81	8.76	8.79	18
1.4	256QAM	3	1	8.81	8.87	8.78	
1.4	256QAM	3	3	8.72	8.78	8.72	
1.4	256QAM	6	0	8.87	8.86	8.66	

Band 38(only on channel required) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	18.19	18.23	18.21	19
20	QPSK	1	49	18.06	18.19	18.03	
20	QPSK	1	99	18.18	18.15	17.97	
20	QPSK	50	0	17.18	17.25	17.20	18
20	QPSK	50	24	17.21	17.22	17.08	
20	QPSK	50	50	17.18	17.11	17.04	
20	QPSK	100	0	17.21	17.24	17.11	18
20	16QAM	1	0	17.31	17.32	17.20	
20	16QAM	1	49	17.21	17.24	17.28	
20	16QAM	1	99	17.13	17.17	17.14	17
20	16QAM	50	0	16.18	16.25	16.06	
20	16QAM	50	24	16.26	16.21	16.23	
20	16QAM	50	50	16.08	16.13	16.06	17
20	16QAM	100	0	16.17	16.18	16.12	
20	64QAM	1	0	16.22	16.29	16.20	
20	64QAM	1	49	16.04	16.12	16.15	17
20	64QAM	1	99	16.11	16.13	16.14	
20	64QAM	50	0	16.10	16.15	16.10	
20	64QAM	50	24	16.14	16.10	16.06	22
20	64QAM	50	50	16.01	16.08	15.95	
20	64QAM	100	0	15.93	16.11	15.97	
20	256QAM	1	0	12.25	12.32	12.23	18
20	256QAM	1	49	12.07	12.15	12.18	
20	256QAM	1	99	12.14	12.16	12.17	
20	256QAM	50	0	12.13	12.18	12.13	18
20	256QAM	50	24	12.17	12.13	12.09	
20	256QAM	50	50	12.04	12.11	11.98	
20	256QAM	100	0	11.96	12.14	12.00	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	18.15	18.19	18.17	19
15	QPSK	1	37	18.02	18.15	17.99	
15	QPSK	1	74	18.14	18.11	17.93	
15	QPSK	36	0	17.14	17.21	17.16	18
15	QPSK	36	20	17.17	17.18	17.04	
15	QPSK	36	39	17.14	17.07	17.00	
15	QPSK	75	0	17.17	17.20	17.07	18
15	16QAM	1	0	17.27	17.28	17.16	
15	16QAM	1	37	17.17	17.20	17.24	
15	16QAM	1	74	17.09	17.13	17.10	17
15	16QAM	36	0	16.14	16.21	16.02	
15	16QAM	36	20	16.22	16.17	16.19	
15	16QAM	36	39	16.04	16.09	16.02	17
15	16QAM	75	0	16.13	16.14	16.08	
15	64QAM	1	0	16.18	16.25	16.16	
15	64QAM	1	37	16.00	16.08	16.11	17
15	64QAM	1	74	16.07	16.09	16.10	
15	64QAM	36	0	16.06	16.11	16.06	
15	64QAM	36	20	16.10	16.06	16.02	22
15	64QAM	36	39	15.97	16.04	15.91	
15	64QAM	75	0	15.89	16.07	15.93	
15	256QAM	1	0	12.21	12.28	12.19	18
15	256QAM	1	37	12.03	12.11	12.14	
15	256QAM	1	74	12.10	12.12	12.13	
15	256QAM	36	0	12.09	12.14	12.09	18
15	256QAM	36	20	12.13	12.09	12.05	
15	256QAM	36	39	12.00	12.07	11.94	
15	256QAM	75	0	11.92	12.10	11.96	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	18.12	18.16	18.14	19
10	QPSK	1	25	17.99	18.12	17.96	
10	QPSK	1	49	18.11	18.08	17.90	
10	QPSK	25	0	17.11	17.18	17.13	18
10	QPSK	25	12	17.14	17.15	17.01	
10	QPSK	25	25	17.11	17.04	16.97	
10	QPSK	50	0	17.14	17.17	17.04	18
10	16QAM	1	0	17.24	17.25	17.13	
10	16QAM	1	25	17.14	17.17	17.21	
10	16QAM	1	49	17.06	17.10	17.07	17
10	16QAM	25	0	16.11	16.18	15.99	
10	16QAM	25	12	16.19	16.14	16.16	
10	16QAM	25	25	16.01	16.06	15.99	17
10	16QAM	50	0	16.10	16.11	16.05	
10	64QAM	1	0	16.15	16.22	16.13	
10	64QAM	1	25	16.07	16.05	16.08	22
10	64QAM	1	49	16.04	16.06	16.07	
10	64QAM	25	0	16.03	16.08	16.03	
10	64QAM	25	12	16.07	16.03	15.99	18
10	64QAM	25	25	15.94	16.01	15.88	
10	64QAM	50	0	15.86	16.04	15.90	
10	256QAM	1	0	12.18	12.25	12.16	18
10	256QAM	1	25	12.00	12.08	12.11	
10	256QAM	1	49	12.07	12.09	12.10	
10	256QAM	25	0	12.06	12.11	12.06	18
10	256QAM	25	12	12.10	12.06	12.02	
10	256QAM	25	25	11.97	12.04	11.91	
10	256QAM	50	0	11.89	12.07	11.93	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	18.09	18.13	18.11	19
5	QPSK	1	12	17.96	18.09	17.93	
5	QPSK	1	24	18.08	18.05	17.87	
5	QPSK	12	0	17.08	17.15	17.10	18
5	QPSK	12	7	17.11	17.12	16.98	
5	QPSK	12	13	17.08	17.01	16.94	
5	QPSK	25	0	17.11	17.14	17.01	18
5	16QAM	1	0	17.21	17.22	17.10	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0	17.09			18
10	QPSK	1	25	17.05			
10	QPSK	1	49	16.87			
10	QPSK	25	0	16.16			17
10	QPSK	25	12	16.03			
10	QPSK	25	25	16.05			
10	QPSK	50	0	16.12			17
10	16QAM	1	0	16.26			
10	16QAM	1	25	16.06			
10	16QAM	1	49	16.10			16
10	16QAM	25	0	15.14			
10	16QAM	25	12	15.11			
10	16QAM	25	25	15.20			16
10	16QAM	50	0	15.09			
10	64QAM	1	0	15.16			16
10	64QAM	1	25	15.10			
10	64QAM	1	49	15.28			
10	64QAM	25	0	15.12			22
10	64QAM	25	12	15.03			
10	64QAM	25	25	15.12			
10	64QAM	50	0	15.10			18
10	256QAM	1	0	11.30			
10	256QAM	1	25	11.24			18
10	256QAM	1	49	11.42			
10	256QAM	25	0	11.31			18
10	256QAM	25	12	11.22			
10	256QAM	25	25	11.31			
10	256QAM	50	0	11.29			
Channel				38725	38750	38775	Tune-up limit (dBm)
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	16.92	17.01	16.99	18
5	QPSK	1	12	16.91	17.00	16.99	
5	QPSK	1	24	16.88	16.85	16.89	
5	QPSK	12	0	15.99	16.08	15.93	17
5	QPSK	12	7	16.06	16.01	16.07	
5	QPSK	12	13	15.93	15.94	15.99	
5	QPSK	25	0	15.95	15.91	16.02	17
5	16QAM	1	0	16.13	16.15	16.10	
5	16QAM	1	12	15.98	15.95	15.98	
5	16QAM	1	24	15.96	15.99	15.99	16
5	16QAM	12	0	14.96	15.03	14.97	
5	16QAM	12	7	15.04	15.01	15.05	
5	16QAM	12	13	15.06	15.07	15.13	16
5	16QAM	25	0	15.03	14.98	14.99	
5	64QAM	1	0	15.10	15.13	15.00	
5	64QAM	1	12	15.09	15.04	15.01	16
5	64QAM	1	24	15.17	15.24	15.14	
5	64QAM	12	0	15.05	15.02	14.99	22
5	64QAM	12	7	14.97	14.95	14.92	
5	64QAM	12	13	14.94	15.05	14.98	
5	64QAM	25	0	14.88	14.97	14.99	18
5	256QAM	1	0	11.24	11.22	11.08	
5	256QAM	1	12	11.25	11.14	11.05	
5	256QAM	1	24	11.34	11.39	11.32	18
5	256QAM	12	0	11.25	11.19	11.18	
5	256QAM	12	7	11.16	11.16	11.16	
5	256QAM	12	13	11.16	11.20	11.24	18
5	256QAM	25	0	11.06	11.27	11.19	



5	16QAM	1	12	17.11	17.14	17.18	18
5	16QAM	1	24	17.03	17.07	17.04	
5	16QAM	12	0	16.08	16.15	15.96	
5	16QAM	12	7	16.16	16.11	16.13	17
5	16QAM	12	13	15.98	16.03	15.96	
5	16QAM	25	0	16.07	16.08	16.02	
5	64QAM	1	0	16.12	16.19	16.10	
5	64QAM	1	12	16.05	16.02	16.05	17
5	64QAM	1	24	16.01	16.03	16.04	
5	64QAM	12	0	16.00	16.05	16.00	
5	64QAM	12	7	16.04	16.00	15.96	22
5	64QAM	12	13	15.91	15.98	15.85	
5	64QAM	25	0	15.83	16.01	15.87	
5	256QAM	1	0	12.15	12.22	12.13	
5	256QAM	1	12	11.97	12.05	12.08	18
5	256QAM	1	24	12.04	12.06	12.07	
5	256QAM	12	0	12.03	12.08	12.03	
5	256QAM	12	7	12.07	12.03	11.99	18
5	256QAM	12	13	11.94	12.01	11.88	
5	256QAM	25	0	11.86	12.04	11.90	

Band 40 (2.3G Band-2) (dBm) Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				39000			
Frequency (MHz)				2355			
10	QPSK	1	0		17.15		16
10	QPSK	1	25		17.12		
10	QPSK	1	49		17.10		
10	QPSK	25	0		16.19		17
10	QPSK	25	12		16.14		
10	QPSK	25	25		16.10		
10	QPSK	50	0		16.17		17
10	16QAM	1	0		15.92		
10	16QAM	1	25		16.29		
10	16QAM	1	49		16.24		16
10	16QAM	25	0		15.18		
10	16QAM	25	12		15.25		
10	16QAM	25	25		15.20		16
10	16QAM	50	0		15.16		
10	64QAM	1	0		15.13		
10	64QAM	1	25		15.11		16
10	64QAM	1	49		15.27		
10	64QAM	25	0		15.15		
10	64QAM	25	12		15.23		22
10	64QAM	25	25		15.22		
10	64QAM	50	0		15.17		
10	256QAM	1	0		11.23		18
10	256QAM	1	25		11.21		
10	256QAM	1	49		11.37		
10	256QAM	25	0		11.25		18
10	256QAM	25	12		11.33		
10	256QAM	25	25		11.32		
10	256QAM	50	0		11.27		
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	16.95	17.07	16.88	16
5	QPSK	1	12	16.89	16.96	16.90	
5	QPSK	1	24	17.01	16.98	17.03	
5	QPSK	12	0	16.01	15.91	16.11	17
5	QPSK	12	7	16.04	16.05	16.02	
5	QPSK	12	13	16.06	16.11	16.05	
5	QPSK	25	0	15.90	16.03	16.03	17
5	16QAM	1	0	16.03	15.82	16.05	
5	16QAM	1	12	16.10	16.23	16.02	
5	16QAM	1	24	16.15	16.10	15.99	16
5	16QAM	12	0	15.13	15.09	15.16	
5	16QAM	12	7	15.01	15.14	15.17	
5	16QAM	12	13	15.09	15.14	15.12	16
5	16QAM	25	0	14.98	15.01	15.02	
5	64QAM	1	0	15.05	14.99	15.18	
5	64QAM	1	12	15.02	14.97	15.04	16
5	64QAM	1	24	15.11	15.14	14.90	
5	64QAM	12	0	15.02	14.99	15.03	
5	64QAM	12	7	15.13	15.11	15.13	22
5	64QAM	12	13	15.08	15.10	15.12	
5	64QAM	25	0	14.98	15.03	15.09	
5	256QAM	1	0	11.15	11.12	11.26	18
5	256QAM	1	12	11.08	11.10	11.16	
5	256QAM	1	24	11.24	11.30	11.07	
5	256QAM	12	0	11.19	11.11	11.16	18
5	256QAM	12	7	11.17	11.24	11.20	
5	256QAM	12	13	11.18	11.18	11.27	
5	256QAM	25	0	11.07	11.19	11.18	

Band 41 (2496~2690MHz) (dBm) (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle-High Channel	High Channel	Tune-up limit (dbm)
Channel				36750	40185	40620	41055	41450	
Frequency (MHz)									
20	QPSK	1	0	15.05	14.92	15.15	15.09	15.08	16
20	QPSK	1	49	15.00	15.04	15.05	14.84	14.95	
20	QPSK	1	99	15.01	14.95	14.97	14.89	14.90	
20	QPSK	50	0	14.24	14.19	14.25	14.15	14.22	
20	QPSK	50	24	14.20	14.17	14.11	13.96	13.93	15
20	QPSK	50	50	14.22	14.11	14.07	13.90	13.80	
20	QPSK	100	0	14.21	14.17	14.12	14.02	13.90	
20	16QAM	1	0	14.29	14.31	14.25	14.19	14.20	
20	16QAM	1	49	14.22	14.09	14.19	14.12	14.15	15
20	16QAM	1	99	14.15	14.01	14.24	14.10	14.12	
20	16QAM	50	0	13.30	13.26	13.12	13.06	12.97	
20	16QAM	50	24	13.24	13.09	13.15	13.03	13.00	
20	16QAM	50	50	13.21	12.97	13.00	12.92	12.96	14
20	16QAM	100	0	13.12	13.09	13.15	13.09	13.10	
20	64QAM	1	0	13.20	13.27	13.18	13.08	13.12	
20	64QAM	1	49	13.19	12.91	13.09	13.00	13.02	
20	64QAM	1	99	13.13	13.04	13.13	13.04	13.07	22
20	64QAM	50	0	13.25	13.19	13.06	12.99	12.93	
20	64QAM	50	24	13.15	13.10	13.09	12.97	13.01	
20	64QAM	50	50	13.02	13.03	13.04	12.93	12.95	
20	64QAM	100	0	13.21	13.16	13.20	13.11	13.10	18
20	256QAM	1	0	9.30	9.37	9.28	9.18	9.22	
20	256QAM	1	49	9.29	9.25	9.19	9.20	9.12	
20	256QAM	1	99	9.23	9.14	9.23	9.14	9.17	
20	256QAM	50	0	9.35	9.29	9.16	9.19	9.13	18
20	256QAM	50	24	9.25	9.20	9.19	9.17	9.21	
20	256QAM	50	50	9.22	9.23	9.20	9.24	9.15	
20	256QAM	100	0	9.31	9.26	9.30	9.29	9.25	
Channel				36725	40173	40620	41066	41515	
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2692.5	
15	QPSK	1	0	15.02	14.89	15.12	15.06	15.05	16
15	QPSK	1	37	14.97	15.01	15.02	14.91	14.92	
15	QPSK	1	74	14.98	14.92	14.94	14.86	14.87	
15	QPSK	36	0	14.21	14.16	14.22	14.12	14.19	
15	QPSK	36	20	14.17	14.14	14.08	13.93	13.90	15
15	QPSK	36	39	14.19	14.08	14.04	13.87	13.77	
15	QPSK	75	0	14.18	14.14	14.09	13.99	13.87	
15	16QAM	1	0	14.26	14.28	14.22	14.16	14.17	
15	16QAM	1	37	14.19	14.06	14.16	14.09	14.12	15
15	16QAM	1	74	14.12	13.98	14.21	14.07	14.09	
15	16QAM	36	0	13.27	13.23	13.09	13.03	12.94	
15	16QAM	36	20	13.21	13.06	13.12	13.00	12.97	
15	16QAM	36	39	13.18	12.94	12.97	12.89	12.93	14
15	16QAM	75	0	13.09	13.06	13.12	13.06	13.07	
15	64QAM	1	0	13.17	13.24	13.15	13.05	13.09	
15	64QAM	1	37	13.16	12.88	13.06	12.87	12.99	
15	64QAM	1	74	13.10	13.01	13.10	13.01	13.04	22
15	64QAM	36	0	13.22	13.16	13.03	12.96	12.80	
15	64QAM	36	20	13.12	13.07	13.06	12.94	12.98	
15	64QAM	36	39	12.99	13.00	13.01	12.90	12.92	
15	64QAM	75	0	13.18	13.13	13.17	13.08	13.07	18
15	256QAM	1	0	9.27	9.34	9.25	9.15	9.19	
15	256QAM	1	37	9.26	9.22	9.16	9.17	9.09	
15	256QAM	1	74	9.20	9.11	9.20	9.11	9.14	
15	256QAM	36	0	9.32	9.26	9.13	9.16	9.10	
15	256QAM	36	20	9.22	9.17	9.16	9.14	9.18	
15	256QAM	36	39	9.19	9.20	9.17	9.21	9.12	
15	256QAM	75	0	9.28	9.23	9.27	9.26	9.22	
Channel				36700	40160	40620	41060	41450	Tune-up limit (dbm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	15.00	14.87	15.10	15.04	15.03	16
10	QPSK	1	25	14.95	14.99	15.00	14.89	14.90	
10	QPSK	1	49	14.96	14.90	14.92	14.84	14.85	
10	QPSK	25	0	14.19	14.14	14.20	14.10	14.17	15
10	QPSK	25	12	14.15	14.12	14.06	14.01	13.96	
10	QPSK	25	25	14.17	14.08	14.02	13.85	13.85	
10	QPSK	50	0	14.16	14.12	14.07	13.97	13.85	15
10	16QAM	1	0	14.24	14.26	14.20	14.14	14.15	
10	16QAM	1	25	14.17	14.04	14.14	14.07	14.10	
10	16QAM	1	49	14.10	13.96	14.19	14.05	14.07	14
10	16QAM	25	0	13.25	13.21	13.07	13.01	12.92	
10	16QAM	25	12	13.19	13.04	13.10	12.98	12.95	
10	16QAM	25	25	13.16	12.92	12.95	12.87	12.91	22
10	16QAM	50	0	13.07	13.04	13.13	13.04	13.05	
10	64QAM	1	0	13.15	13.22	13.13	13.03	13.07	
10	64QAM	1	25	13.14	12.86	13.04	12.95	12.97	14
10	64QAM	1	49	13.08	12.99	13.08	12.99	13.02	
10	64QAM	25	0	13.20	13.14	13.01	12.94	12.78	
10	64QAM	25	12	13.10	13.05	13.04	12.92	12.86	22
10	64QAM	25	25	12.97	12.98	12.99	12.88	12.90	
10	64QAM	50	0	13.16	13.11	13.15	13.06	13.05	
10	256QAM	1	0	9.25	9.32	9.23	9.13	9.17	18
10	256QAM	1	25	9.24	9.20	9.14	9.15	9.07	
10	256QAM	1	49	9.18	9.09	9.18	9.09	9.12	
10	256QAM	25	0	9.30	9.24	9.11	9.14	9.06	18
10	256QAM	25	12	9.20	9.15	9.14	9.12	9.16	
10	256QAM	25	25	9.17	9.18	9.15	9.19	9.10	
10	256QAM	50	0	9.28	9.21	9.25	9.24	9.20	
Channel				36675	40148	40620	41093	41565	Tune-up limit (dbm)
Frequency (MHz)				2498.5	2545.8	2593	2643.30	2697.5	
5	QPSK	1	0	14.96	14.83	15.06	15.00	14.99	16
5	QPSK	1	12	14.91	14.95	14.96	14.85	14.86	
5	QPSK	1	24	14.92	14.86	14.98	14.80	14.81	
5	QPSK	12	0	14.15	14.10	14.16	14.06	14.13	15
5	QPSK	12	7	14.11	14.08	14.02	13.87	13.84	
5	QPSK	12	13	14.13	14.02	13.98	13.81	13.71	
5	QPSK	25	0	14.12	14.08	14.03	13.93	13.81	15
5	16QAM	1	0	14.20	14.22	14.16	14.10	14.11	
5	16QAM	1	12	14.13	14.00	14.10	14.03	14.06	
5	16QAM	1	24	14.06	13.92	14.15	14.01	14.03	14
5	16QAM	12	0	13.21	13.17	13.03	12.97	12.91	
5	16QAM	12	7	13.15	13.00	13.06	12.94	12.98	
5	16QAM	12	13	13.12	12.88	12.91	12.83	12.87	22
5	16QAM	25	0	13.03	13.00	13.06	13.00	13.01	
5	64QAM	1	0	13.11	13.18	13.09	12.99	13.03	
5	64QAM	1	12	13.10	12.82	13.00	12.91	12.93	14
5	64QAM	1	24	13.04	12.95	13.04	12.95	12.98	
5	64QAM	12	0	13.16	13.10	12.97	12.89	12.74	
5	64QAM	12	7	13.13	13.01	13.09	12.88	12.92	22
5	64QAM	12	13	12.93	12.94	12.95	12.84	12.86	
5	64QAM	25	0	13.12	13.07	13.11	13.02	13.01	
5	256QAM	1	0	9.21	9.28	9.19	9.09	9.13	18
5	256QAM	1	12	9.20	9.16	9.10	9.11	9.03	
5	256QAM	1	24	9.14	9.05	9.14	9.05	9.08	
5	256QAM	12	0	9.26	9.20	9.07	9.10	9.04	18
5	256QAM	12	7	9.16	9.11	9.10	9.06	9.12	
5	256QAM	12	13	9.13	9.14	9.11	9.15	9.06	
5	256QAM	25	0	9.22	9.17	9.21	9.20	9.16	

Band 48 (3.5G Band) (dBm)										
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	55630	55990	56150	56640		
Frequency (MHz)				3660	3609	3625	3641	-10		
20	QPSK	1	0	17.11	17.24	17.27	17.23	17.22	18	
20	QPSK	1	49	17.11	16.96	16.93	16.89	16.84		
20	QPSK	1	99	17.09	17.03	16.90	16.92	16.86		
20	QPSK	50	0	16.30	16.28	16.39	16.29	16.32		
20	QPSK	50	24	16.21	16.38	16.30	16.37	16.21	17	
20	QPSK	50	50	16.20	16.45	16.20	16.19	16.07		
20	QPSK	100	0	16.18	16.15	16.30	16.17	16.20		
20	16QAM	1	0	16.41	16.33	16.26	16.17	16.20		
20	16QAM	1	49	16.46	16.38	16.19	16.18	16.21	17	
20	16QAM	1	99	16.61	16.26	16.14	16.17	16.15		
20	16QAM	50	0	15.62	15.51	15.36	15.30	15.33		
20	16QAM	50	24	15.38	15.41	15.34	15.27	15.29		
20	16QAM	50	50	15.41	15.42	15.14	15.31	15.30	16	
20	16QAM	100	0	15.47	15.47	15.32	15.32	15.24		
20	64QAM	1	0	15.52	15.62	15.36	15.49	15.43		
20	64QAM	1	49	15.18	15.41	15.30	15.48	15.41		
20	64QAM	1	99	15.31	15.32	15.33	15.39	15.42	22	
20	64QAM	50	0	15.46	15.41	15.30	15.34	15.16		
20	64QAM	50	24	15.53	15.43	15.26	15.31	15.26		
20	64QAM	50	50	15.47	15.21	15.04	15.37	15.33		
20	64QAM	100	0	15.37	15.39	15.44	15.24	15.21	18	
20	256QAM	1	0	11.40	11.50	11.26	11.37	11.31		
20	256QAM	1	49	11.19	11.29	11.16	11.36	11.29		
20	256QAM	1	99	11.25	11.31	11.21	11.27	11.30		
20	256QAM	50	0	11.33	11.28	11.17	11.21	11.11	18	
20	256QAM	50	24	11.40	11.30	11.13	11.18	11.13		
20	256QAM	50	50	11.34	11.08	10.91	11.24	11.20		
20	256QAM	100	0	11.24	11.26	11.31	11.11	11.08		
Channel				55315	55820	55990	56160	56665	Tune-up limit (dBm)	
Frequency (MHz)				3557.5	3608	3625	3642	3692.5		
15	QPSK	1	0	16.67	17.00	17.03	16.99	16.98	18	
15	QPSK	1	37	16.67	16.72	16.69	16.65	16.60		
15	QPSK	1	74	16.65	16.79	16.66	16.68	16.62		
15	QPSK	36	0	16.06	16.04	16.15	16.05	16.08		
15	QPSK	36	20	15.97	16.14	16.06	16.13	15.97	17	
15	QPSK	36	39	15.96	16.21	15.96	15.95	15.83		
15	QPSK	75	0	15.94	15.91	16.06	15.93	15.96		
15	16QAM	1	0	16.17	16.09	16.02	15.93	15.96		
15	16QAM	1	37	16.22	16.14	15.95	15.94	15.97	17	
15	16QAM	1	74	16.37	16.02	15.90	15.93	15.91		
15	16QAM	36	0	15.38	15.27	15.14	15.08	15.09		
15	16QAM	36	20	15.14	15.17	15.10	15.03	15.05		
15	16QAM	36	39	15.17	15.18	14.90	15.07	15.06	16	
15	16QAM	75	0	15.23	15.23	15.08	15.08	15.00		
15	64QAM	1	0	15.28	15.38	15.14	15.25	15.19		
15	64QAM	1	37	14.94	15.17	15.06	15.24	15.17		
15	64QAM	1	74	15.07	15.08	15.09	15.15	15.18	22	
15	64QAM	36	0	15.22	15.17	15.06	15.10	14.92		
15	64QAM	36	20	15.29	15.19	15.02	15.07	15.02		
15	64QAM	36	39	15.23	14.97	14.80	15.13	15.09		
15	64QAM	75	0	15.13	15.15	15.20	15.00	14.97	18	
15	256QAM	1	0	11.16	11.26	11.02	11.13	11.07		
15	256QAM	1	37	10.95	11.05	10.94	11.12	11.05		
15	256QAM	1	74	11.01	11.07	10.97	11.03	11.06		
15	256QAM	36	0	11.09	11.04	10.93	10.97	10.87	18	
15	256QAM	36	20	11.16	11.06	10.89	10.94	10.89		
15	256QAM	36	39	11.10	10.94	10.67	11.00	10.96		
15	256QAM	75	0	11.00	11.02	11.07	10.97	10.84		
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)	
Frequency (MHz)				3555	3607.5	3625	3642.5	3695		
10	QPSK	1	0	16.84	16.97	17.00	16.96	16.95	18	
10	QPSK	1	25	16.84	16.89	16.66	16.62	16.57		
10	QPSK	1	49	16.82	16.76	16.63	16.65	16.59		
10	QPSK	25	0	16.03	16.01	16.12	16.02	16.05		
10	QPSK	25	12	15.94	16.11	16.03	16.10	15.94	17	
10	QPSK	25	25	15.93	16.18	15.93	15.92	15.80		
10	QPSK	50	0	15.91	15.86	16.03	15.90	15.93		
10	16QAM	1	0	16.14	16.06	15.99	15.90	15.93		
10	16QAM	1	25	16.19	16.11	15.92	15.91	15.94	17	
10	16QAM	1	49	16.34	15.99	15.87	15.90	15.86		
10	16QAM	25	0	15.35	15.24	15.11	15.03	15.06		
10	16QAM	25	12	15.11	15.14	15.07	15.00	15.02		
10	16QAM	25	25	15.14	15.15	14.87	15.04	15.03	16	
10	16QAM	50	0	15.20	15.20	15.05	15.05	14.97		
10	64QAM	1	0	15.25	15.35	15.11	15.22	15.16		
10	64QAM	1	25	14.91	15.14	15.03	15.21	15.14		
10	64QAM	1	49	15.04	15.05	15.06	15.12	15.15	22	
10	64QAM	25	0	15.19	15.14	15.03	15.07	14.89		
10	64QAM	25	12	15.26	15.16	14.99	15.04	14.99		
10	64QAM	25	25	15.20	14.94	14.77	15.10	15.06		
10	64QAM	50	0	15.10	15.12	15.17	14.97	14.94	18	
10	256QAM	1	0	11.13	11.23	10.99	11.10	11.04		
10	256QAM	1	25	10.92	11.02	10.91	11.09	11.02		
10	256QAM	1	49	10.98	11.04	10.94	11.00	11.03		
10	256QAM	25	0	11.06	11.01	10.90	10.94	10.84		
10	256QAM	25	12	11.13	11.03	10.86	10.91	10.86	18	
10	256QAM	25	25	11.07	10.81	10.64	10.97	10.93		
10	256QAM	50	0	10.97	10.99	11.04	10.84	10.87		
Channel				55265	55810	55990	56170	56175	Tune-up limit (dBm)	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	16.80	16.93	16.96	16.92	16.91	18	
5	QPSK	1	12	16.80	16.85	16.62	16.58	16.53		
5	QPSK	1	24	16.78	16.72	16.59	16.61	16.55		
5	QPSK	12	0	15.99	15.97	16.08	15.98	16.01		
5	QPSK	12	7	15.90	16.07	15.99	16.06	15.96	17	
5	QPSK	12	13	15.89	16.14	15.89	15.88	15.76		
5	QPSK	25	0	15.87	15.84	15.99	15.86	15.80		
5	16QAM	1	0	16.10	16.02	15.95	15.86	15.89		
5	16QAM	1	12	16.15	16.07	15.88	15.87	15.90	17	
5	16QAM	1	24	16.30	15.95	15.83	15.86	15.84		
5	16QAM	12	0	15.31	15.20	15.07	14.99	15.02		
5	16QAM	12	7	15.07	15.10	15.03	14.96	14.98	16	
5	16QAM	12	13	15.10	15.11	14.83	15.00	14.99		
5	16QAM	25	0	15.16	15.16	15.01	15.01	14.93		
5	64QAM	1	0	15.21	15.31	15.07	15.18	15.12		
5	64QAM	1	12	14.87	15.10	14.99	15.17	15.10	22	
5	64QAM	1	24	15.00	15.01	15.02	15.08	15.11		
5	64QAM	12	0	15.15	15.10	14.99	15.03	14.85		
5	64QAM	12	7	15.22	15.12	14.95	15.00	14.85		
5	64QAM	12	13	15.16	14.90	14.73	15.06	15.02	22	
5	64QAM	25	0	15.06	15.08	15.13	14.93	14.90		
5	256QAM	1	0	11.09	11.19	10.95	11.06	11.00		
5	256QAM	1	12	10.88	10.98	10.87	11.05	10.98		
5	256QAM	1	24	10.94	11.00	10.90	10.96	10.99	18	
5	256QAM	12	0	11.02	10.97	10.86	10.90	10.80		
5	256QAM	12	7	11.09	10.99	10.82	10.87	10.82		
5	256QAM	12	13	11.03	10.77	10.60	10.93	10.89		
5	256QAM	25	0	10.93	10.95	11.00	10.80	10.77		

Band 66 (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				132072	132322	132572	
Frequency (MHz)				1720	1745	1770	
20	QPSK	1	0	11.16	11.19	11.10	12
20	QPSK	1	49	10.88	11.00	10.85	
20	QPSK	1	99	10.96	10.96	10.93	
20	QPSK	50	0	10.08	10.13	10.11	11
20	QPSK	50	24	10.01	10.09	10.08	
20	QPSK	50	50	10.12	10.07	10.09	
20	QPSK	100	0	10.08	10.13	10.10	11
20	16QAM	1	0	10.38	10.33	10.35	
20	16QAM	1	49	10.25	10.34	10.11	
20	16QAM	1	99	10.19	10.26	10.34	10
20	16QAM	50	0	9.05	8.98	8.97	
20	16QAM	50	24	9.17	9.12	9.00	
20	16QAM	50	50	9.10	9.09	9.06	10
20	16QAM	100	0	9.11	9.08	8.98	
20	64QAM	1	0	9.34	9.31	9.32	
20	64QAM	1	49	9.22	9.32	9.06	10
20	64QAM	1	99	9.13	9.26	9.27	
20	64QAM	50	0	9.02	8.97	8.97	
20	64QAM	50	24	9.09	9.07	8.99	23
20	64QAM	50	50	9.02	9.03	9.03	
20	64QAM	100	0	9.13	9.02	8.91	
20	256QAM	1	0	5.23	5.18	5.25	19
20	256QAM	1	49	5.06	5.23	5.46	
20	256QAM	1	99	5.08	5.15	5.23	
20	256QAM	50	0	5.38	5.31	5.32	19
20	256QAM	50	24	4.98	5.02	5.33	
20	256QAM	50	50	5.01	5.44	5.42	
20	256QAM	100	0	5.47	5.00	5.33	
Channel				132047	132322	132597	
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	11.10	11.13	11.04	12
15	QPSK	1	37	10.82	10.94	10.79	
15	QPSK	1	74	10.90	10.90	10.87	
15	QPSK	36	0	10.02	10.07	10.05	11
15	QPSK	36	20	9.95	10.03	10.02	
15	QPSK	36	39	10.06	10.01	10.03	
15	QPSK	75	0	10.02	10.07	10.04	11
15	16QAM	1	0	10.32	10.27	10.29	
15	16QAM	1	37	10.19	10.28	10.05	
15	16QAM	1	74	10.13	10.20	10.28	10
15	16QAM	36	0	8.99	8.92	8.91	
15	16QAM	36	20	9.11	9.06	8.94	
15	16QAM	36	39	9.04	9.03	9.00	10
15	16QAM	75	0	9.05	9.02	8.92	
15	64QAM	1	0	9.28	9.25	9.26	
15	64QAM	1	37	9.16	9.26	9.00	23
15	64QAM	1	74	9.07	9.20	9.21	
15	64QAM	36	0	8.96	8.91	8.91	
15	64QAM	36	20	9.03	9.01	8.93	19
15	64QAM	36	39	8.96	8.97	8.97	
15	64QAM	75	0	9.07	8.96	8.85	
15	256QAM	1	0	5.17	5.12	5.19	19
15	256QAM	1	37	5.00	5.17	4.90	
15	256QAM	1	74	5.02	5.09	5.17	
15	256QAM	36	0	5.22	5.15	5.16	19
15	256QAM	36	20	5.72	4.96	5.17	
15	256QAM	36	39	5.35	5.28	5.26	
15	256QAM	75	0	4.91	4.94	5.17	
Channel				132022	132322	132622	
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	11.04	11.07	10.98	12
10	QPSK	1	25	10.76	10.88	10.73	
10	QPSK	1	49	10.84	10.84	10.81	
10	QPSK	25	0	9.96	10.01	9.99	11
10	QPSK	25	12	9.89	9.97	9.96	
10	QPSK	25	25	10.00	9.95	9.97	
10	QPSK	50	0	9.96	10.01	9.98	11
10	16QAM	1	0	10.26	10.21	10.23	
10	16QAM	1	25	10.13	10.22	9.99	
10	16QAM	1	49	10.07	10.14	10.22	10
10	16QAM	25	0	8.93	8.86	8.85	
10	16QAM	25	12	9.05	9.00	8.88	
10	16QAM	25	25	8.98	8.97	8.94	10
10	16QAM	50	0	8.99	8.96	8.86	
10	64QAM	1	0	9.22	9.19	9.20	
10	64QAM	1	25	9.10	9.20	8.94	23
10	64QAM	1	49	9.01	9.14	9.15	
10	64QAM	25	0	8.90	8.85	8.85	
10	64QAM	25	12	8.97	8.95	8.87	19
10	64QAM	25	25	8.90	8.91	8.91	
10	64QAM	50	0	9.01	8.90	8.79	
10	256QAM	1	0	5.11	5.06	5.13	19
10	256QAM	1	25	4.94	5.11	4.84	
10	256QAM	1	49	4.96	5.03	5.11	
10	256QAM	25	0	5.06	4.99	5.00	19
10	256QAM	25	12	4.86	4.90	5.01	
10	256QAM	25	25	4.89	4.82	4.80	
10	256QAM	50	0	4.85	4.88	5.01	
Channel				131997	132322	132647	
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	11.01	11.04	10.95	12
5	QPSK	1	12	10.73	10.85	10.70	
5	QPSK	1	24	10.81	10.81	10.78	
5	QPSK	12	0	9.93	9.98	9.96	11
5	QPSK	12	7	9.86	9.94	9.93	
5	QPSK	12	13	9.97	9.92	9.94	
5	QPSK	25	0	9.93	9.98	9.95	11
5	16QAM	1	0	10.23	10.18	10.20	
5	16QAM	1	12	10.10	10.19	9.96	

5	16QAM	1	24	10.04	10.11	10.19	10
5	16QAM	12	0	8.90	8.83	8.82	
5	16QAM	12	7	9.02	8.97	8.85	
5	16QAM	12	13	8.95	8.94	8.91	
5	16QAM	25	0	8.96	8.93	8.83	10
5	64QAM	1	0	9.19	9.16	9.17	
5	64QAM	1	12	9.07	9.17	8.91	
5	64QAM	1	24	8.98	9.11	9.12	
5	64QAM	12	0	8.87	8.82	8.82	23
5	64QAM	12	7	8.94	8.92	8.84	
5	64QAM	12	13	8.87	8.88	8.88	
5	64QAM	25	0	8.98	8.87	8.76	
5	256QAM	1	0	5.08	5.03	5.10	19
5	256QAM	1	12	4.91	5.08	4.81	
5	256QAM	1	24	4.93	5.00	5.08	
5	256QAM	12	0	4.93	4.86	4.87	
5	256QAM	12	7	4.83	4.87	4.88	19
5	256QAM	12	13	4.86	4.99	4.97	
5	256QAM	25	0	4.82	4.85	4.88	
Channel				13198.7	13232.2	13269.7	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1745	1778.5	
3	QPSK	1	0	10.97	11.00	10.91	12
3	QPSK	1	8	10.69	10.81	10.66	
3	QPSK	1	14	10.77	10.77	10.74	
3	QPSK	8	0	9.89	9.94	9.92	
3	QPSK	8	4	9.82	9.90	9.89	11
3	QPSK	8	7	9.93	9.88	9.90	
3	QPSK	15	0	9.89	9.94	9.91	
3	16QAM	1	0	10.19	10.14	10.16	
3	16QAM	1	8	10.06	10.15	9.92	11
3	16QAM	1	14	10.00	10.07	10.15	
3	16QAM	8	0	8.86	8.79	8.78	
3	16QAM	8	4	8.98	8.93	8.81	
3	16QAM	8	7	8.91	8.90	8.87	10
3	16QAM	15	0	8.92	8.89	8.79	
3	64QAM	1	0	9.15	9.12	9.13	
3	64QAM	1	8	9.03	9.13	8.87	
3	64QAM	1	14	8.94	9.07	9.08	23
3	64QAM	8	0	8.83	8.78	8.78	
3	64QAM	8	4	8.90	8.88	8.80	
3	64QAM	8	7	8.83	8.84	8.84	
3	64QAM	15	0	8.94	8.83	8.72	19
3	256QAM	1	0	5.04	4.99	5.06	
3	256QAM	1	8	4.87	5.04	4.87	
3	256QAM	1	14	4.89	4.96	5.04	
3	256QAM	8	0	4.79	4.72	4.73	19
3	256QAM	8	4	4.79	4.83	4.74	
3	256QAM	8	7	4.82	4.75	4.83	
3	256QAM	15	0	4.78	4.81	4.74	
Channel				13197.9	13232.2	13265	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1745	1779.3	
1.4	QPSK	1	0	10.93	10.96	10.87	12
1.4	QPSK	1	3	10.65	10.77	10.62	
1.4	QPSK	1	5	10.73	10.73	10.70	
1.4	QPSK	3	0	9.85	9.90	9.88	
1.4	QPSK	3	1	9.78	9.86	9.85	11
1.4	QPSK	3	3	9.89	9.84	9.86	
1.4	QPSK	6	0	9.85	9.90	9.87	
1.4	16QAM	1	0	10.15	10.10	10.12	
1.4	16QAM	1	3	10.02	10.11	9.88	11
1.4	16QAM	1	5	9.96	10.03	10.11	
1.4	16QAM	3	0	8.82	8.75	8.74	
1.4	16QAM	3	1	8.94	8.89	8.77	
1.4	16QAM	3	3	8.87	8.86	8.83	10
1.4	16QAM	6	0	8.88	8.85	8.75	
1.4	64QAM	1	0	9.11	9.08	9.09	
1.4	64QAM	1	3	8.99	9.09	8.83	
1.4	64QAM	1	5	8.90	9.03	9.04	23
1.4	64QAM	3	0	8.79	8.74	8.74	
1.4	64QAM	3	1	8.86	8.84	8.76	
1.4	64QAM	3	3	8.79	8.80	8.80	
1.4	256QAM	1	0	5.00	4.95	5.02	19
1.4	256QAM	1	3	4.83	5.00	4.83	
1.4	256QAM	1	5	4.85	4.92	5.00	
1.4	256QAM	3	0	4.75	4.68	4.69	
1.4	256QAM	3	1	4.75	4.99	4.70	19
1.4	256QAM	3	3	4.78	4.71	4.79	
1.4	256QAM	6	0	4.84	4.77	4.70	19

2.4GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH1	2412	16.31	17.00	16.00	99.29
	CH6	2437	16.20	17.00	16.00	99.37
	CH11	2462	16.30	17.00	16.00	99.39
802.11g Mbps	CH6	2437	15.85	16.50	15.50	99.34
	CH11	2462	15.87	16.50	15.50	99.34
	CH16	2487	15.88	16.50	15.50	99.34
802.11a+HT40 MCS0	CH1	2412	15.83	16.50	15.50	99.70
	CH6	2437	15.38	16.50	15.50	99.70
	CH11	2462	15.37	16.50	15.50	99.70
802.11a+HT40 MCS0	CH3	2422	16.22	17.00	16.00	99.70
	CH8	2437	16.21	17.00	16.00	99.70
	CH13	2462	16.20	17.00	16.00	99.70
802.11a+VHT20 MCS0	CH1	2412	15.36	16.50	15.50	99.70
	CH6	2437	15.37	16.50	15.50	99.70
	CH11	2462	15.32	16.50	15.50	99.70
802.11a+VHT40 MCS0	CH3	2422	16.12	17.00	16.00	99.70
	CH8	2437	16.16	17.00	16.00	99.70
	CH13	2462	16.18	17.00	16.00	99.70
802.11a+HEW60 MCS0	CH1	2412	15.36	16.50	15.50	99.70
	CH6	2437	15.37	16.50	15.50	99.70
	CH11	2462	15.30	17.00	16.00	99.70
802.11a+HEW60 MCS0	CH3	2422	16.16	17.00	16.00	99.70
	CH8	2437	16.15	17.00	16.00	99.70
	CH13	2462	16.18	17.00	16.00	99.70
802.11a+HEW60 MCS0	CH1	2412	15.36	16.50	15.50	99.61
	CH6	2437	15.37	16.50	15.50	99.61
	CH11	2462	15.39	16.50	15.50	99.61
802.11a+HEW60 MCS0	CH3	2422	16.16	17.00	16.00	99.61
	CH8	2437	16.15	17.00	16.00	99.61
	CH13	2462	16.18	17.00	16.00	99.61
802.11a+HEW60 MCS0	CH1	2412	15.36	16.50	15.50	99.61
	CH6	2437	15.37	16.50	15.50	99.61
	CH11	2462	15.39	16.50	15.50	99.61
802.11a+HEW60 MCS0	CH3	2422	16.16	17.00	16.00	99.61
	CH8	2437	16.15	17.00	16.00	99.61
	CH13	2462	16.18	17.00	16.00	99.61
802.11a+HEW60 MCS0	CH1	2412	15.36	16.50	15.50	99.61
	CH6	2437	15.37	16.50	15.50	99.61
	CH11	2462	15.39	16.50	15.50	99.61
802.11a+HEW60 MCS0	CH3	2422	16.16	17.00	16.00	99.61
	CH8	2437	16.15	17.00	16.00	99.61
	CH13	2462	16.18	17.00	16.00	99.61

5.2GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH36	5180	16.77	15.50	16.00	99.53
	CH44	5205	16.58	15.50	16.00	99.53
	CH48	5240	16.15	16.00	15.00	99.53
802.11a+HT20 MCS0	CH36	5180	17.18	16.00	15.00	99.63
	CH44	5205	16.59	16.00	15.00	99.63
	CH48	5240	16.64	17.00	16.00	99.63
802.11a+HT40 MCS0	CH36	5180	16.78	16.00	15.00	99.63
	CH44	5205	17.36	16.00	15.00	99.63
	CH48	5240	17.11	16.00	15.00	99.63
802.11a+VHT20 MCS0	CH36	5180	16.81	17.00	15.00	99.63
	CH44	5205	16.59	17.00	15.00	99.63
	CH48	5240	16.16	16.00	15.00	99.63
802.11a+VHT40 MCS0	CH36	5180	17.17	16.50	15.00	99.63
	CH44	5205	17.67	16.50	15.00	99.63
	CH48	5240	17.42	17.00	16.00	99.63
802.11a+HEW60 MCS0	CH36	5180	17.23	16.50	14.00	100.00
	CH44	5205	17.56	16.50	14.00	100.00
	CH48	5240	16.37	17.00	14.00	99.63
802.11a+HEW60 MCS0	CH36	5180	16.44	17.00	14.00	99.63
	CH44	5205	16.84	16.50	14.00	99.63
	CH48	5240	16.40	16.50	14.00	99.63
802.11a+HEW60 MCS0	CH36	5180	15.71	16.50	13.00	99.61
	CH44	5205	15.45	16.50	13.00	99.61
	CH48	5240	15.67	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.37	17.00	13.00	99.61
	CH44	5205	16.37	17.00	14.00	99.61
	CH48	5240	16.30	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.54	16.50	13.00	99.61
	CH44	5205	15.31	16.50	13.00	99.61
	CH48	5240	15.62	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.31	16.50	13.00	99.61
	CH44	5205	15.71	16.50	13.00	99.61
	CH48	5240	15.67	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.37	17.00	13.00	99.61
	CH44	5205	16.37	17.00	14.00	99.61
	CH48	5240	16.30	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.54	16.50	13.00	99.61
	CH44	5205	15.31	16.50	13.00	99.61
	CH48	5240	15.62	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.31	17.00	13.00	99.61
	CH44	5205	16.37	17.00	14.00	99.61
	CH48	5240	16.30	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.54	16.50	13.00	99.61
	CH44	5205	15.31	16.50	13.00	99.61
	CH48	5240	15.62	16.50	13.00	99.61
802.11a+HEW60 MCS0	CH36	5180	15.31	17.00	13.00	99.61
	CH44	5205	16.37	17.00	14.00	99.61
	CH48	5240	16.30	16.50	13.00	99.61

5.0GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH36	5180	16.57	16.00	16.00	99.60
	CH44	5205	16.85	16.00	16.00	99.60
	CH48	5240	16.56	16.00	16.00	99.60
802.11a+HT20 MCS0	CH36	5180	16.83	16.00	15.00	99.60
	CH44	5205	17.15	16.00	15.00	99.60
	CH48	5240	17.19	16.00	15.00	99.60
802.11a+HT40 MCS0	CH36	5180	17.16	16.50	15.00	99.60
	CH44	5205	18.12	16.50	15.00	99.60
	CH48	5240	18.06	16.50	15.00	99.60
802.11a+VHT20 MCS0	CH36	5180	16.83	17.00	15.00	99.60
	CH44	5205	17.16	16.50	15.00	99.60
	CH48	5240	16.56	16.00	15.00	99.60
802.11a+VHT40 MCS0	CH36	5180	17.16	16.50	15.00	99.60
	CH44	5205	18.12	16.50	15.00	99.60
	CH48	5240	18.06	16.50	15.00	99.60
802.11a+HEW60 MCS0	CH36	5180	17.24	16.00	15.00	99.60
	CH44	5205	17.17	16.00	15.00	99.60
	CH48	5240	17.16	16.00	15.00	99.60
802.11a+HEW60 MCS0	CH36	5180	17.16	16.50	14.00	99.60
	CH44	5205	18.12	16.50	14.00	99.60
	CH48	5240	18.06	16.50	14.00	99.60
802.11a+HEW60 MCS0	CH36	5180	16.56	17.00	14.00	99.60
	CH44	5205	17.16	16.50	14.00	99.60
	CH48	5240	17.19	16.50	14.00	99.60
802.11a+HEW60 MCS0	CH36	5180	16.56	17.00	14.00	99.60
	CH44	5205	17.16	16.50	14.00	99.60
	CH48	5240	17.19	16.50	14.00	99.60
802.11a+HEW60 MCS0	CH36	5180	16.56	17.00	14.00	99.60
	CH44	5205	17.16	16.50	14.00	99.60
	CH48	5240	17.19	16.50	14.00	99.60
802.11a+HEW60 MCS0	CH36	5180	16.56	17.00	14.00	99.60
	CH44	5205	17.16	16.50	14.00	99.60
	CH48	5240	17.19	16.50	14.00	99.60

5.0GHz WLAN ANT 3

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-to-Lock	Power Setting	Duty Cycle %
802.11a Mbps	CH100	5550	17.53	16.00	15.00	99.50
	CH120	5600	16.57	16.00	15.00	99.50
	CH144	5720	16.14	16.00	14.00	99.50
802.11a+HT20 MCS0	CH100	5550	16.46	17.00	14.00	99.50
	CH120	5600	16.56	17.00	14.00	99.50
	CH144	5720	16.54	17.00	14.00	99.50
802.11a+HT40 MCS0	CH100	5550	17.15	16.50	14.00	99.50
	CH120	5600	17.15	16.50	14.00	99.50
	CH144	5720	17.07	16.50	14.00	99.50
802.11a+VHT20 MCS0	CH100	5550	16.36	17.00	14.00	99.50
	CH120	5600	16.44	17.00	14.00	100.00
	CH144	5720	16.14	17.00	14.00	99.50
802.11a+VHT40 MCS0	CH100	5550	17.15	16.50	14.00	99.50
	CH120	5600	17.15	16.50	14.00	99.50
	CH144	5720	17.12	16.50	14.00	99.50
802.11a+HEW60 MCS0	CH100	5550	15.83	16.50	13.00	99.50
	CH120	5600	16.06	17.00	13.00	99.50
	CH144	5720	16.08	17.00	13.00	99.50

2.4GHz WLAN ANT 7

Mode	Channel	Frequency (MHz)	Transmit Power (dBm)	Transmit Level	Power Setting	Duty Cycle %
802.11a Mbps	CH1	2412	16.00	16.00	16.00	99.29
	CH6	2437	16.00	16.00	16.00	99.29
	CH11	2462	16.00	16.00	16.00	99.29
802.11g Mbps	CH6	2437	16.11	16.00	17.00	99.34
	CH11	2462	17.00	16.00	17.00	99.34
	CH16	2487	16.10	16.00	17.00	99.34
802.11a+HT20 MCS0	CH1	2412	17.00	16.00	17.00	99.74
	CH6	2437	16.92	17.00	17.00	99.74
	CH11	2462	17.00	16.00	17.00	99.70
802.11a+HT40 MCS0	CH1	2412	18.01	16.00	17.00	99.74
	CH6	2437	17.97	17.00	17.00	99.74
	CH11	2462	18.00	16.00	17.00	99.70
802.11a+HT20 MCS1	CH1	2412	17.83	16.00	17.00	99.70
	CH6	2437	18.00	17.00	17.00	99.70
	CH11	2462	18.00	16.00	17.00	99.70
802.11a+HT40 MCS1	CH1	2412	18.91	16.00	17.00	99.74
	CH6	2437	18.87	17.00	17.00	99.74
	CH11	2462	18.90	16.00	17.00	99.70
802.11a+HT20 MCS2	CH1	2412	18.54	16.00	17.00	99.74
	CH6	2437	18.50	17.00	17.00	99.74
	CH11	2462	18.50	16.00	17.00	99.70
802.11a+HT40 MCS2	CH1	2412	19.43	16.00	17.00	99.74
	CH6	2437	19.39	17.00	17.00	99.74
	CH11	2462	19.40	16.00	17.00	99.70
802.11a+HT20 MCS3	CH1	2412	17.76	16.00	17.00	99.68
	CH6	2437	17.80	17.00	17.00	99.68
	CH11	2462	17.80	16.00	17.00	99.68
802.11a+HT40 MCS3	CH1	2412	18.65	16.00	17.00	99.68
	CH6	2437	18.69	17.00	17.00	99.68
	CH11	2462	18.69	16.00	17.00	99.68
802.11a+HT20 MCS4	CH1	2412	17.46	16.00	17.00	99.61
	CH6	2437	17.50	17.00	17.00	99.61
	CH11	2462	17.50	16.00	17.00	99.61
802.11a+HT40 MCS4	CH1	2412	18.34	16.00	17.00	99.61
	CH6	2437	18.38	17.00	17.00	99.61
	CH11	2462	18.38	16.00	17.00	99.61
802.11a+HT20 MCS5	CH1	2412	17.19	16.00	17.00	99.51
	CH6	2437	17.23	17.00	17.00	99.51
	CH11	2462	17.23	16.00	17.00	99.51
802.11a+HT40 MCS5	CH1	2412	18.07	16.00	17.00	99.51
	CH6	2437	18.11	17.00	17.00	99.51
	CH11	2462	18.11	16.00	17.00	99.51
802.11a+HT20 MCS6	CH1	2412	16.99	16.00	17.00	99.44
	CH6	2437	17.03	17.00	17.00	99.44
	CH11	2462	17.03	16.00	17.00	99.44
802.11a+HT40 MCS6	CH1	2412	17.87	16.00	17.00	99.44
	CH6	2437	17.91	17.00	17.00	99.44
	CH11	2462	17.91	16.00	17.00	99.44

802.11a-VHT160 MCS0	CH 114	5570	16.07	17.00	13.00	98.10
	CH 100	5580	16.71	16.90	14.00	98.90
	CH 118	5580	16.65	17.50	14.00	98.80
802.11a-VHT160 MCS0	CH 144	5740	16.87	17.10	14.00	98.90
	CH 102	5570	17.30	16.00	14.00	98.60
	CH 114	5580	17.30	16.90	14.00	98.60
802.11a-VHT160 MCS0	CH 142	5710	17.41	16.90	14.00	100.00
	CH 100	5580	15.55	17.00	13.00	99.97
	CH 118	5580	15.91	17.00	13.00	98.24
802.11a-VHT160 MCS0	CH 114	5570	16.23	17.00	13.00	98.10
	CH 100	5580	11.18	12.00	9.00	98.90
	CH 118	5580	11.36	12.00	9.00	98.61
802.11a-VHT160 MCS0	CH 144	5720	11.18	12.00	9.00	98.90
	CH 100	5580	14.82	15.50	12.00	98.91
	CH 118	5580	14.70	15.50	12.00	98.91
802.11a-VHT160 MCS0	CH 144	5720	14.60	15.50	12.00	98.61
	CH 100	5580	16.83	17.00	14.00	98.90
	CH 118	5580	16.45	17.00	14.00	98.90
802.11a-VHT160 MCS0	CH 144	5720	16.50	17.00	14.00	98.90

5GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-BBpds	CH 140	5740	17.33	16.00	10.00	98.00
	CH 107	5765	17.44	16.00	10.00	98.00
	CH 105	5825	17.72	16.00	10.00	98.00
802.11a-VHT160 MCS0	CH 140	5740	17.44	16.00	10.00	98.90
	CH 107	5765	16.25	17.00	14.00	98.90
	CH 105	5825	16.50	17.00	14.00	98.90
802.11a-VHT160 MCS0	CH 101	5755	17.52	16.50	14.00	98.90
	CH 109	5755	17.71	16.50	14.00	98.90
	CH 140	5740	16.14	17.00	14.00	98.90
802.11a-VHT160 MCS0	CH 107	5765	16.28	17.00	14.00	100.00
	CH 105	5825	16.46	17.00	14.00	98.00
	CH 101	5755	17.35	16.50	14.00	98.00
802.11a-VHT160 MCS0	CH 109	5755	17.56	16.50	14.00	98.90
	CH 105	5775	15.56	16.00	13.00	98.90
	CH 140	5740	16.41	17.00	14.00	98.00
802.11a-VHT160 MCS0	CH 107	5765	16.48	17.00	14.00	98.00
	CH 105	5825	16.77	17.00	14.00	98.90
	CH 101	5755	17.18	16.50	14.00	98.00
802.11a-VHT160 MCS0	CH 109	5755	17.39	16.50	14.00	100.00
	CH 105	5775	15.34	16.50	13.00	98.90
	CH 140	5740	11.31	12.00	9.00	98.01
802.11a-VHT160 MCS0	CH 107	5765	11.30	12.00	9.00	98.00
	CH 105	5825	11.26	12.00	9.00	98.00
	CH 140	5740	14.31	15.00	12.00	98.00
802.11a-VHT160 MCS0	CH 107	5765	14.38	15.00	12.00	98.00
	CH 105	5825	14.56	15.00	12.00	98.01
	CH 140	5740	16.16	17.00	14.00	98.90
802.11a-VHT160 MCS0	CH 107	5765	16.44	17.00	14.00	98.90
	CH 105	5825	16.82	17.00	14.00	98.90

6.2GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-VHT160 MCS0	CH 1	5855	5.51	4.00	3.00	100.00
	CH 40	6175	3.30	6.00	3.00	100.00
	CH 39	6165	3.51	4.00	3.00	100.00
802.11a-VHT160 MCS0	CH 3	5865	7.52	6.00	5.00	100.00
	CH 31	6205	7.72	6.50	5.00	100.00
	CH 39	6165	6.84	7.00	5.00	100.00
802.11a-VHT160 MCS0	CH 7	5885	9.13	8.00	8.00	100.00
	CH 35	6225	9.43	10.00	8.00	100.00
	CH 37	6245	8.91	8.50	8.00	100.00
802.11a-VHT160 MCS0	CH 15	6025	11.14	11.00	10.00	100.00
	CH 47	6145	11.40	12.00	10.00	100.00
	CH 39	6145	11.03	11.50	10.00	100.00
802.11a-VHT160 MCS0	CH 1	5855	2.36	3.00	-3.00	100.00
	CH 40	6175	-1.46	5.00	-2.00	100.00
	CH 39	6165	-3.40	5.00	-2.00	100.00
802.11a-VHT160 MCS0	CH 3	5865	1.10	1.00	1.00	100.00
	CH 31	6205	1.20	1.50	1.00	100.00
	CH 39	6165	-0.54	5.00	1.00	100.00
802.11a-VHT160 MCS0	CH 1	5855	4.43	5.00	3.00	100.00
	CH 40	6175	4.13	5.00	3.00	100.00
	CH 39	6165	-2.01	5.00	3.00	100.00
802.11a-VHT160 MCS0	CH 3	5865	-0.08	5.00	-3.00	100.00
	CH 31	6205	2.06	3.00	1.00	100.00
	CH 39	6165	4.80	5.00	3.00	100.00
802.11a-VHT160 MCS0	CH 3	5865	9.06	8.50	8.00	100.00
	CH 7	5885	-0.13	0.00	-2.00	100.00
	CH 7	5885	3.08	3.50	1.00	100.00
802.11a-VHT160 MCS0	CH 7	5885	4.57	5.00	3.00	100.00
	CH 7	5885	9.54	10.00	8.00	100.00
	CH 7	5885	8.34	9.50	8.00	100.00
802.11a-VHT160 MCS0	CH 15	6025	-1.00	0.00	-5.00	100.00
	CH 15	6025	1.62	2.00	-2.00	100.00
	CH 15	6025	4.83	5.50	2.00	100.00
802.11a-VHT160 MCS0	CH 15	6025	8.16	8.50	5.00	100.00
	CH 15	6025	8.81	9.50	8.00	100.00
	CH 15	6025	11.33	12.00	10.00	100.00

6.7GHz WLAN (Ant 6)

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-VHT160 MCS0	CH 117	6535	5.56	6.50	4.00	100.00
	CH 140	6555	6.40	6.50	4.00	100.00
	CH 161	6555	5.80	6.50	4.00	100.00
802.11a-VHT160 MCS0	CH 119	6545	6.30	6.50	4.00	100.00
	CH 147	6565	6.43	9.00	6.00	100.00
	CH 179	6545	7.86	8.00	6.00	100.00
802.11a-VHT160 MCS0	CH 120	6525	9.61	10.50	8.00	100.00
	CH 161	6555	9.82	10.00	8.00	100.00
	CH 147	6565	10.37	11.50	9.00	100.00
802.11a-VHT160 MCS0	CH 143	6565	11.80	12.50	11.00	100.00
	CH 117	6535	-1.68	0.00	-2.00	100.00
	CH 140	6555	-1.05	0.00	-2.00	100.00
802.11a-VHT160 MCS0	CH 140	6555	-0.91	0.00	-2.00	100.00
	CH 117	6535	1.38	2.00	1.00	100.00
	CH 140	6555	1.76	2.00	1.00	100.00
802.11a-VHT160 MCS0	CH 161	6555	1.36	2.00	1.00	100.00
	CH 117	6535	4.11	4.00	3.00	100.00
	CH 140	6555	4.79	5.00	3.00	100.00
802.11a-VHT160 MCS0	CH 161	6555	4.43	5.00	3.00	100.00

7.0GHz WLAN (Ant 6)

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-VHT160 MCS0	CH 180	6975	4.65	5.00	3.00	100.00
	CH 200	6995	4.65	5.00	3.00	100.00
	CH 220	7115	4.96	5.50	3.00	100.00
802.11a-VHT160 MCS0	CH 187	6985	7.19	7.50	5.00	100.00
	CH 200	6995	7.43	8.00	5.00	100.00
	CH 220	7115	7.98	7.50	5.00	100.00
802.11a-VHT160 MCS0	CH 180	6975	9.79	10.00	8.00	100.00
	CH 210	7025	9.56	10.00	8.00	100.00
	CH 227	6995	11.93	12.00	10.00	100.00
802.11a-VHT160 MCS0	CH 180	6975	-1.50	0.00	-2.00	100.00
	CH 200	6995	-0.56	0.00	-2.00	100.00
	CH 220	7115	-1.31	0.00	-2.00	100.00
802.11a-VHT160 MCS0	CH 180	6975	0.52	0.50	1.00	100.00
	CH 200	6995	-0.27	1.00	1.00	100.00
	CH 220	7115	0.43	1.00	1.00	100.00
802.11a-VHT160 MCS0	CH 180	6975	4.23	5.00	3.00	100.00
	CH 200	6995	4.67	5.00	3.00	100.00
	CH 220	7115	4.45	5.00	3.00	100.00

802.11a-VHT160 MCS0	CH 114	5570	8.67	9.00	6.00	100.00
	CH 100	5580	9.30	10.00	7.00	98.90
	CH 118	5580	9.22	10.00	7.00	98.90
802.11a-VHT160 MCS0	CH 144	5740	9.26	9.50	6.00	98.90
	CH 102	5570	10.00	11.00	7.00	100.00
	CH 114	5580	9.67	10.00	7.00	98.90
802.11a-VHT160 MCS0	CH 142	5710	10.15	11.00	7.00	100.00
	CH 100	5580	8.46	9.00	6.00	98.24
	CH 118	5580	8.36	9.00	6.00	98.24
802.11a-VHT160 MCS0	CH 114	5570	8.75	9.00	6.00	100.00
	CH 100	5580	4.45	5.00	3.00	98.90
	CH 118	5580	4.34	5.00	3.00	98.61
802.11a-VHT160 MCS0	CH 144	5720	4.46	5.00	2.00	98.90
	CH 100	5580	7.91	9.00	5.00	98.90
	CH 118	5580	7.89	9.00	5.00	98.90
802.11a-VHT160 MCS0	CH 144	5720	7.75	9.00	5.00	98.90
	CH 100	5580	9.41	10.00	7.00	98.90
	CH 118	5580	9.26	10.00	7.00	98.90
802.11a-VHT160 MCS0	CH 144	5720	9.46	10.00	7.00	98.90

5.8 WLAN ANT 7

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %	
802.11a-BBpds	802.11a-BBpds	CH 140	5740	9.42	10.00	6.00	98.00	
		CH 107	5765	9.60	10.00	6.00	98.00	
		CH 105	5825	10.08	11.00	6.00	98.00	
	802.11a-VHT160 MCS0	CH 140	5740	9.16	10.00	6.00	98.90	
		CH 107	5765	9.35	10.00	6.00	98.90	
		CH 105	5825	9.60	10.00	7.00	98.90	
	802.11a-VHT160 MCS0	CH 141	5750	10.08	10.00	6.00	98.90	
		CH 106	5770	10.46	11.00	7.00	98.90	
		CH 104	5835	10.84	12.00	7.00	98.90	
	802.11a-VHT160 MCS0	802.11a-VHT160 MCS0	CH 140	5740	9.08	10.00	7.00	98.89
			CH 107	5765	9.30	10.00	7.00	100.00
			CH 105	5825	9.51	10.00	7.00	100.00
802.11a-VHT160 MCS0		CH 141	5750	10.00	10.00	7.00	98.89	
		CH 106	5770	10.40	11.00	7.00	98.89	
		CH 104	5835	10.81	12.00	7.00	98.89	
802.11a-VHT160 MCS0		CH 139	5730	8.74	10.00	6.00	98.89	
		CH 140	5740	9.16	10.00	6.00	98.89	
		CH 137	5750	9.78	10.00	7.00	98.89	
802.11a-VHT160 MCS0		802.11a-VHT160 MCS0	CH 138	5760	10.42	11.00	7.00	98.89
			CH 136	5780	10.84	12.00	7.00	98.89
			CH 134	5800	11.26	13.00	7.00	98.89
	802.11a-VHT160 MCS0	CH 135	5790	11.64	13.00	7.00	98.89	
		CH 133	5810	12.06	14.00	7.00	98.89	
		CH 131	5830	12.48	15.00	7.00	98.89	
	802.11a-VHT160 MCS0	CH 132	5840	12.86	15.00	8.00	98.89	
		CH 130	5860	13.28	16.00	8.00	98.89	
		CH 128	5880	13.70	17.00	8.00	98.89	
	802.11a-VHT160 MCS0	802.11a-VHT160 MCS0	CH 127	5890	14.08	17.00	9.00	98.89
			CH 125	5910	14.50	18.00	9.00	98.89
			CH 123	5930	14.92	19.00	9.00	98.89
802.11a-VHT160 MCS0		CH 140	5740	9.13	10.00	6.00	98.89	
		CH 137	5750	9.51	10.00	6.00	98.89	
		CH 134	5800	10.81	11.00	6.00	98.89	
802.11a-VHT160 MCS0		CH 140	5740	9.13	10.00	6.00	98.89	
		CH 137	5750	9.51	10.00	6.00	98.89	
		CH 134	5800	10.81	11.00	6.00	98.89	
802.11a-VHT160 MCS0		802.11a-VHT160 MCS0	CH 137	5750	9.51	10.00	6.00	98.89
			CH 134	5800	10.81	11.00	6.00	98.89
			CH 131	5830	12.48	15.00	7.00	98.89
	802.11a-VHT160 MCS0	CH 132	5840	12.86	15.00	8.00	98.89	
		CH 130	5860	13.28	16.00	8.00	98.89	
		CH 128	5880	13.70	17.00	8.00	98.89	
	802.11a-VHT160 MCS0	CH 127	5890	14.08	17.00	9.00	98.89	
		CH 125	5910	14.50	18.00	9.00	98.89	
		CH 123	5930	14.92	19.00	9.00	98.89	
	802.11a-VHT160 MCS0	802.11a-VHT160 MCS0	CH 140	5740	9.13	10.00	6.00	98.89
			CH 137	5750	9.51	10.00	6.00	98.89
			CH 134	5800	10.81	11.00	6.00	98.89
802.11a-VHT160 MCS0		CH 140	5740	9.13	10.00	6.00	98.89	
		CH 137	5750	9.51	10.00	6.00	98.89	
		CH 134	5800	10.81	11.00	6.00	98.89	
802.11a-VHT160 MCS0		CH 137	5750	9.51	10.00	6.00	98.89	
		CH 134	5800	10.81	11.00	6.00	98.89	
		CH 131	5830	12.48	15.00	7.00	98.89	
802.11a-VHT160 MCS0		802.11a-VHT160 MCS0	CH 132	5840	12.86	15.00	8.00	98.89
			CH 130	5860	13.28	16.00	8.00	98.89
			CH 128	5880	13.70	17.00	8.00	98.89
	802.11a-VHT160 MCS0	CH 127	5890	14.08	17.00	9.00	98.89	
		CH 125	5910	14.50	18.00	9.00	98.89	
		CH 123	5930	14.92	19.00	9.00	98.89	
	802.11a-VHT160 MCS0	CH 140	5740	9.13	10.00	6.00	98.89	
		CH 137	5750	9.51	10.00	6.00	98.89	
		CH 134	5800	10.81	11.00	6.00	98.89	



Reduced Power Level 2

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	128	189	251		128	189	251	
TX Channel								
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GPRS 1 Tx slot	31.42	31.46	31.45	32.50	22.42	22.46	22.45	23.50
GPRS 2 Tx slots	29.24	29.25	29.27	30.00	23.24	23.25	23.27	24.00
GPRS 3 Tx slots	27.38	27.39	27.35	28.00	23.12	23.13	23.09	23.74
GPRS 4 Tx slots	26.15	26.20	26.18	27.00	23.15	23.20	23.18	24.00
EDGE 1 Tx slot	24.70	24.71	24.67	25.50	15.70	15.71	15.67	16.50
EDGE 2 Tx slots	23.10	23.13	23.15	24.00	17.10	17.13	17.15	18.00
EDGE 3 Tx slots	21.69	21.74	21.85	22.50	17.43	17.48	17.59	18.24
EDGE 4 Tx slots	20.54	20.64	20.60	21.50	17.54	17.64	17.60	18.50
Mode		Max.	31.46			Max.	23.27	
Attenuator	Cable Loss : 0.6							
Date	1/12							

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
	512	661	810		512	661	810	
TX Channel								
Frequency (MHz)	1850.2	1860	1909.8		1850.2	1860	1909.8	
GPRS 1 Tx slot	21.84	21.80	21.82	22.50	12.84	12.80	12.82	13.50
GPRS 2 Tx slots	19.20	19.24	19.23	20.00	13.20	13.24	13.23	14.00
GPRS 3 Tx slots	17.21	17.23	17.20	18.00	12.95	12.97	12.94	13.74
GPRS 4 Tx slots	16.15	16.18	16.14	17.00	13.15	13.18	13.14	14.00
EDGE 1 Tx slot	16.58	16.69	16.55	17.50	7.58	7.59	7.55	8.50
EDGE 2 Tx slots	15.15	15.20	15.17	16.00	9.15	9.20	9.17	10.00
EDGE 3 Tx slots	13.55	13.57	13.62	14.50	9.29	9.31	9.36	10.24
EDGE 4 Tx slots	12.41	12.52	12.55	13.50	9.41	9.52	9.55	10.50
Mode		Max.	21.84			Max.	13.24	
Attenuator	Cable Loss : 0.6							
Date	1/12							

Band		WCDMA Band II (dBm)			Tune-up Limit (dBm)	WCDMA Band IV (dBm)			Tune-up Limit (dBm)	WCDMA Band V (dBm)			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	13.17	13.31	13.25	14.00	11.09	11.15	11.06	12.00	22.14	22.19	22.18	23.00
Attenuator		Cable Loss 0.8			Cable Loss 0.8			Cable Loss 0.6					
Mode		Max. 13.31			Max. 11.15			Max. 22.19					
Date		2024.1.12			2024.1.12			2024.1.12					

Band		WCDMA XIX			Tune-up Limit (dBm)
TX Channel		312	338	363	
Rx Channel		712	738	763	
Frequency (MHz)		832.4	837.6	842.6	
3GPP Rel 99	RMC 12.2Kbps	22.16	22.23	22.19	23.00
Attenuator			Cable Loss	0.6	
Mode			Max.	22.23	
Date		2024.1.12			

Band 7 (2600MHz Band) (dBm)							
Part 27							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20850	21100	21350	
Frequency (MHz)				2510	2535	2560	
20	QPSK	1	0	12.08	12.14	12.10	13
20	QPSK	1	49	12.00	12.07	12.12	
20	QPSK	1	99	12.11	12.12	12.13	
20	QPSK	50	0	11.21	11.34	11.33	12
20	QPSK	50	24	11.28	11.33	11.32	
20	QPSK	50	50	11.31	11.30	11.32	
20	QPSK	100	0	11.36	11.37	11.29	12
20	16QAM	1	0	11.22	11.16	11.21	
20	16QAM	1	49	11.29	11.28	11.20	
20	16QAM	1	99	11.30	11.35	11.31	11
20	16QAM	50	0	10.20	10.35	10.41	
20	16QAM	50	24	10.24	10.29	10.21	
20	16QAM	50	50	10.23	10.34	10.19	11
20	16QAM	100	0	10.22	10.27	10.32	
20	64QAM	1	0	10.25	10.29	10.33	
20	64QAM	1	49	10.29	10.35	10.10	11
20	64QAM	1	99	10.24	10.11	10.01	
20	64QAM	50	0	10.21	10.25	10.29	
20	64QAM	50	24	10.21	10.34	10.13	22
20	64QAM	50	50	10.18	10.33	10.27	
20	64QAM	100	0	10.26	10.25	10.15	
20	256QAM	1	0	6.29	6.33	6.37	18
20	256QAM	1	49	6.33	6.39	6.14	
20	256QAM	1	99	6.28	6.15	6.05	
20	256QAM	50	0	6.25	6.29	6.33	18
20	256QAM	50	24	6.25	6.38	6.17	
20	256QAM	50	50	6.22	6.37	6.31	
20	256QAM	100	0	6.30	6.29	6.19	
Channel				20825	21100	21375	Tune-up limit (dBm)
Frequency (MHz)				2507.5	2535	2562.5	
15	QPSK	1	0	12.04	12.10	12.06	13
15	QPSK	1	37	11.96	12.03	12.08	
15	QPSK	1	74	12.07	12.08	12.09	
15	QPSK	36	0	11.17	11.30	11.29	12
15	QPSK	36	20	11.24	11.29	11.28	
15	QPSK	36	39	11.27	11.26	11.28	
15	QPSK	75	0	11.32	11.33	11.25	12
15	16QAM	1	0	11.18	11.12	11.17	
15	16QAM	1	37	11.25	11.24	11.16	
15	16QAM	1	74	11.26	11.31	11.27	11
15	16QAM	36	0	10.16	10.31	10.37	
15	16QAM	36	20	10.20	10.25	10.17	
15	16QAM	36	39	10.19	10.30	10.15	11
15	16QAM	75	0	10.18	10.23	10.28	
15	64QAM	1	0	10.21	10.25	10.29	
15	64QAM	1	37	10.25	10.31	10.06	11
15	64QAM	1	74	10.20	10.07	9.97	
15	64QAM	36	0	10.17	10.21	10.25	
15	64QAM	36	20	10.17	10.30	10.09	22
15	64QAM	36	39	10.14	10.29	10.23	
15	64QAM	75	0	10.22	10.21	10.11	
15	256QAM	1	0	6.25	6.29	6.33	18
15	256QAM	1	37	6.29	6.35	6.10	
15	256QAM	1	74	6.24	6.11	6.01	
15	256QAM	36	0	6.21	6.25	6.29	18
15	256QAM	36	20	6.21	6.34	6.13	
15	256QAM	36	39	6.18	6.33	6.27	
15	256QAM	75	0	6.26	6.25	6.15	
Channel				20800	21100	21400	Tune-up limit (dBm)
Frequency (MHz)				2505	2535	2565	
10	QPSK	1	0	12.00	12.06	12.02	13
10	QPSK	1	25	11.92	11.99	12.04	
10	QPSK	1	49	12.03	12.04	12.05	
10	QPSK	25	0	11.13	11.26	11.25	12
10	QPSK	25	12	11.20	11.25	11.24	
10	QPSK	25	25	11.23	11.22	11.24	
10	QPSK	50	0	11.28	11.29	11.21	12
10	16QAM	1	0	11.14	11.08	11.13	
10	16QAM	1	25	11.21	11.20	11.12	
10	16QAM	1	49	11.22	11.27	11.23	11
10	16QAM	25	0	10.12	10.27	10.33	
10	16QAM	25	12	10.16	10.21	10.13	
10	16QAM	25	25	10.15	10.26	10.11	11
10	16QAM	50	0	10.14	10.19	10.24	
10	64QAM	1	0	10.17	10.21	10.25	
10	64QAM	1	25	10.21	10.27	10.02	11
10	64QAM	1	49	10.16	10.03	9.93	
10	64QAM	25	0	10.13	10.17	10.21	
10	64QAM	25	12	10.13	10.26	10.05	22
10	64QAM	25	25	10.10	10.25	10.19	
10	64QAM	50	0	10.18	10.17	10.07	
10	256QAM	1	0	6.21	6.25	6.29	18
10	256QAM	1	25	6.25	6.31	6.06	
10	256QAM	1	49	6.20	6.07	5.97	
10	256QAM	25	0	6.17	6.21	6.25	18
10	256QAM	25	12	6.17	6.30	6.09	
10	256QAM	25	25	6.14	6.29	6.23	
10	256QAM	50	0	6.22	6.21	6.11	
Channel				20775	21100	21425	Tune-up limit (dBm)
Frequency (MHz)				2502.5	2535	2567.5	
5	QPSK	1	0	11.95	12.01	11.97	13
5	QPSK	1	12	11.87	11.94	11.99	
5	QPSK	1	24	11.98	11.99	12.00	
5	QPSK	12	0	11.08	11.21	11.20	12
5	QPSK	12	7	11.15	11.20	11.19	
5	QPSK	12	13	11.18	11.17	11.19	
5	QPSK	25	0	11.23	11.24	11.16	12
5	16QAM	1	0	11.09	11.03	11.08	

Band 19 (835MHz Band) (dBm)									
Part 27									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)		
Channel					24075				
Frequency (MHz)					837.5				
15	QPSK	1	0		22.14		23		
15	QPSK	1	37		22.13				
15	QPSK	1	74		22.10				
15	QPSK	36	0		21.23		22		
15	QPSK	36	20		21.18				
15	QPSK	36	39		21.14				
15	QPSK	75	0		21.19		22		
15	16QAM	1	0		21.49				
15	16QAM	1	37		21.21				
15	16QAM	1	74		21.35		21		
15	16QAM	36	0		20.26				
15	16QAM	36	20		20.30				
15	16QAM	36	39		20.24		21		
15	16QAM	75	0		20.19				
15	64QAM	1	0		20.39				
15	64QAM	1	25		20.47		21		
15	64QAM	1	49		20.27				
15	64QAM	25	0		20.28		22		
15	64QAM	25	12		20.22				



5	16QAM	1	12	11.16	11.15	11.07	12
5	16QAM	1	24	11.17	11.22	11.18	
5	16QAM	12	0	10.07	10.22	10.28	
5	16QAM	12	7	10.11	10.16	10.08	11
5	16QAM	12	13	10.10	10.21	10.06	
5	16QAM	25	0	10.09	10.14	10.19	
5	64QAM	1	0	10.12	10.16	10.20	
5	64QAM	1	12	10.16	10.22	9.97	11
5	64QAM	1	24	10.11	9.98	9.88	
5	64QAM	12	0	10.08	10.12	10.16	
5	64QAM	12	7	10.08	10.21	10.00	22
5	64QAM	12	13	10.05	10.20	10.14	
5	64QAM	25	0	10.13	10.12	10.02	
5	256QAM	1	0	6.16	6.20	6.24	
5	256QAM	1	12	6.20	6.26	6.01	18
5	256QAM	1	24	6.15	6.02	5.92	
5	256QAM	12	0	6.12	6.16	6.20	
5	256QAM	12	7	6.12	6.25	6.04	18
5	256QAM	12	13	6.09	6.24	6.18	
5	256QAM	25	0	6.17	6.16	6.06	

Band 25 (1900MHz Band) (dBm) Part 24E								
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)	
Channel				26140	26365	26590		
Frequency (MHz)				1860	1882.5	1905		
20	QPSK	1	0	13.03	13.09	13.01	14	
20	QPSK	1	49	12.90	12.87	12.84		
20	QPSK	1	99	12.88	12.79	12.77		
20	QPSK	50	0	12.05	12.06	12.03	13	
20	QPSK	50	24	12.02	11.98	12.00		
20	QPSK	50	50	12.01	11.92	11.94		
20	QPSK	100	0	12.00	12.01	12.00	13	
20	16QAM	1	0	11.93	11.93	11.95		
20	16QAM	1	49	12.02	11.99	11.98		
20	16QAM	1	99	11.84	11.96	11.97	12	
20	16QAM	50	0	11.05	10.90	10.91		
20	16QAM	50	24	10.95	10.94	10.84		
20	16QAM	50	50	10.90	10.88	10.89	12	
20	16QAM	100	0	10.89	10.98	10.88		
20	64QAM	1	0	10.96	10.97	10.90		
20	64QAM	1	49	10.91	10.93	11.00	22	
20	64QAM	1	99	10.98	10.95	10.93		
20	64QAM	50	0	10.94	10.89	10.92		
20	64QAM	50	24	10.94	11.00	10.91	18	
20	64QAM	50	50	10.85	10.91	10.85		
20	64QAM	100	0	11.00	10.99	10.79		
20	256QAM	1	0	7.03	7.04	6.97	18	
20	256QAM	1	49	6.98	7.00	7.07		
20	256QAM	1	99	7.05	7.02	7.00		
20	256QAM	50	0	7.01	6.96	6.99	18	
20	256QAM	50	24	7.01	7.07	6.98		
20	256QAM	50	50	6.92	6.98	6.92		
20	256QAM	100	0	7.07	7.06	6.86		
Channel				26115	26365	26615	Tune-up limit (dBm)	
Frequency (MHz)				1857.5	1882.5	1907.5		
15	QPSK	1	0	12.98	13.04	12.96	14	
15	QPSK	1	37	12.85	12.82	12.79		
15	QPSK	1	74	12.83	12.74	12.72		
15	QPSK	36	0	12.00	12.01	11.98	13	
15	QPSK	36	20	11.97	11.93	11.95		
15	QPSK	36	39	11.96	11.87	11.89		
15	QPSK	75	0	11.95	11.96	11.95	13	
15	16QAM	1	0	11.88	11.88	11.90		
15	16QAM	1	37	11.97	11.94	11.93		
15	16QAM	1	74	11.79	11.91	11.92	12	
15	16QAM	36	0	11.00	10.85	10.86		
15	16QAM	36	20	10.90	10.89	10.79		
15	16QAM	36	39	10.85	10.83	10.84	12	
15	16QAM	75	0	10.84	10.93	10.83		
15	64QAM	1	0	10.91	10.92	10.85		
15	64QAM	1	37	10.86	10.88	10.95	22	
15	64QAM	1	74	10.93	10.90	10.88		
15	64QAM	36	0	10.89	10.84	10.87		
15	64QAM	36	20	10.89	10.95	10.86	18	
15	64QAM	36	39	10.80	10.86	10.80		
15	64QAM	75	0	10.95	10.94	10.74		
15	256QAM	1	0	6.98	6.99	6.92	18	
15	256QAM	1	37	6.93	6.95	7.02		
15	256QAM	1	74	7.00	6.97	6.95		
15	256QAM	36	0	6.96	6.91	6.94	18	
15	256QAM	36	20	6.96	7.02	6.93		
15	256QAM	36	39	6.87	6.93	6.87		
15	256QAM	75	0	7.02	7.01	6.81		
Channel				26090	26365	26640	Tune-up limit (dBm)	
Frequency (MHz)				1855	1882.5	1910		
10	QPSK	1	0	12.92	12.98	12.90	14	
10	QPSK	1	25	12.79	12.76	12.73		
10	QPSK	1	49	12.77	12.68	12.66		
10	QPSK	25	0	11.94	11.95	11.92	13	
10	QPSK	25	12	11.91	11.87	11.89		
10	QPSK	25	25	11.90	11.81	11.83		
10	QPSK	50	0	11.89	11.90	11.89	13	
10	16QAM	1	0	11.82	11.82	11.84		
10	16QAM	1	25	11.91	11.88	11.87		
10	16QAM	1	49	11.73	11.85	11.86	12	
10	16QAM	25	0	10.94	10.79	10.80		
10	16QAM	25	12	10.84	10.83	10.73		
10	16QAM	25	25	10.79	10.77	10.78	12	
10	16QAM	50	0	10.78	10.87	10.77		
10	64QAM	1	0	10.85	10.86	10.79		
10	64QAM	1	25	10.80	10.82	10.89	22	
10	64QAM	1	49	10.87	10.84	10.82		
10	64QAM	25	0	10.83	10.78	10.81		
10	64QAM	25	12	10.83	10.89	10.80	18	
10	64QAM	25	25	10.74	10.80	10.74		
10	64QAM	50	0	10.89	10.88	10.68		
10	256QAM	1	0	6.92	6.93	6.86	18	
10	256QAM	1	25	6.87	6.89	6.96		
10	256QAM	1	49	6.94	6.91	6.89		
10	256QAM	25	0	6.90	6.85	6.88	18	
10	256QAM	25	12	6.90	6.96	6.87		
10	256QAM	25	25	6.81	6.87	6.81		
10	256QAM	50	0	6.96	6.95	6.75		
Channel				26065	26365	26665	Tune-up limit (dBm)	
Frequency (MHz)				1852.5	1882.5	1912.5		
5	QPSK	1	0	12.88	12.94	12.86	14	
5	QPSK	1	12	12.75	12.72	12.69		
5	QPSK	1	24	12.73	12.64	12.62		
5	QPSK	12	0	11.90	11.91	11.88	13	
5	QPSK	12	7	11.87	11.83	11.85		
5	QPSK	12	13	11.86	11.77	11.79		
5	QPSK	25	0	11.85	11.86	11.85	13	
5	16QAM	1	0	11.78	11.78	11.80		

Band 26 for FCC (dBm) (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				26765	26865	26965	
Frequency (MHz)				821.5	831.5	841.5	
15	QPSK	1	0	22.06	22.12	22.04	23
15	QPSK	1	37	21.93	21.90	21.87	
15	QPSK	1	74	21.91	21.82	21.80	
15	QPSK	36	0	21.18	21.19	21.16	22
15	QPSK	36	20	21.15	21.11	21.13	
15	QPSK	36	39	21.14	21.05	21.07	
15	QPSK	75	0	21.13	21.15	21.13	22
15	16QAM	1	0	21.15	21.15	21.17	
15	16QAM	1	37	21.24	21.21	21.20	
15	16QAM	1	74	21.06	21.18	21.19	21
15	16QAM	36	0	20.27	20.12	20.13	
15	16QAM	36	20	20.17	20.16	20.06	
15	16QAM	36	39	20.12	20.10	20.11	21
15	16QAM	75	0	20.11	20.20	20.10	
15	64QAM	1	0	20.18	20.19	20.12	
15	64QAM	1	37	20.13	20.15	20.22	22
15	64QAM	1	74	20.20	20.17	20.15	
15	64QAM	36	0	20.16	20.11	20.14	
15	64QAM	36	20	20.16	20.22	20.13	18
15	64QAM	36	39	20.07	20.13	20.07	
15	64QAM	75	0	20.22	20.21	20.01	
15	256QAM	1	0	16.25	16.26	16.19	18
15	256QAM	1	37	16.20	16.22	16.29	
15	256QAM	1	74	16.27	16.24	16.22	
15	256QAM	36	0	16.23	16.18	16.21	18
15	256QAM	36	20	16.23	16.29	16.20	
15	256QAM	36	39	16.14	16.20	16.14	
15	256QAM	75	0	16.29	16.28	16.08	
Channel				26740	26865	26990	Tune-up limit (dBm)
Frequency (MHz)				819	831.5	844	
10	QPSK	1	0	22.02	22.08	22.00	23
10	QPSK	1	25	21.89	21.86	21.83	
10	QPSK	1	49	21.87	21.78	21.76	
10	QPSK	25	0	21.14	21.15	21.12	22
10	QPSK	25	12	21.11	21.07	21.09	
10	QPSK	25	25	21.10	21.01	21.03	
10	QPSK	50	0	21.09	21.11	21.09	22
10	16QAM	1	0	21.11	21.11	21.13	
10	16QAM	1	25	21.20	21.17	21.16	
10	16QAM	1	49	21.02	21.14	21.15	21
10	16QAM	25	0	20.23	20.08	20.09	
10	16QAM	25	12	20.13	20.12	20.02	
10	16QAM	25	25	20.08	20.06	20.07	21
10	16QAM	50	0	20.07	20.16	20.06	
10	64QAM	1	0	20.14	20.15	20.08	
10	64QAM	1	25	20.09	20.11	20.18	22
10	64QAM	1	49	20.16	20.13	20.11	
10	64QAM	25	0	20.12	20.07	20.10	
10	64QAM	25	12	20.12	20.18	20.09	18
10	64QAM	25	25	20.03	20.09	20.03	
10	64QAM	50	0	20.18	20.17	19.97	
10	256QAM	1	0	16.21	16.22	16.15	18
10	256QAM	1	25	16.16	16.18	16.25	
10	256QAM	1	49	16.23	16.20	16.18	
10	256QAM	25	0	16.19	16.14	16.17	18
10	256QAM	25	12	16.19	16.25	16.16	
10	256QAM	25	25	16.10	16.16	16.10	
10	256QAM	50	0	16.25	16.24	16.04	
Channel				26715	26865	27015	Tune-up limit (dBm)
Frequency (MHz)				816.5	831.5	846.5	
5	QPSK	1	0	21.99	22.05	21.97	23
5	QPSK	1	12	21.86	21.83	21.80	
5	QPSK	1	24	21.84	21.75	21.73	
5	QPSK	12	0	21.11	21.12	21.09	22
5	QPSK	12	7	21.08	21.04	21.06	
5	QPSK	12	13	21.07	20.98	21.00	
5	QPSK	25	0	21.06	21.08	21.06	22
5	16QAM	1	0	21.08	21.08	21.10	
5	16QAM	1	12	21.17	21.14	21.13	
5	16QAM	1	24	20.99	21.11	21.12	21
5	16QAM	12	0	20.20	20.05	20.06	
5	16QAM	12	7	20.10	20.09	19.99	
5	16QAM	12	13	20.05	20.03	20.04	21
5	16QAM	25	0	20.04	20.13	20.03	
5	64QAM	1	0	20.11	20.12	20.05	
5	64QAM	1	12	20.06	20.08	20.15	22
5	64QAM	1	24	20.13	20.10	20.08	
5	64QAM	12	0	20.09	20.04	20.07	
5	64QAM	12	7	20.09	20.15	20.06	18
5	64QAM	12	13	20.00	20.06	20.00	
5	64QAM	25	0	20.15	20.14	19.94	
5	256QAM	1	0	16.18	16.19	16.12	18
5	256QAM	1	12	16.13	16.15	16.22	
5	256QAM	1	24	16.20	16.17	16.15	
5	256QAM	12	0	16.16	16.11	16.14	18
5	256QAM	12	7	16.16	16.22	16.13	
5	256QAM	12	13	16.07	16.13	16.07	
5	256QAM	25	0	16.22	16.21	16.01	
Channel				26705	26865	27025	Tune-up limit (dBm)
Frequency (MHz)				815.5	831.5	847.5	
3	QPSK	1	0	21.95	22.01	21.93	23
3	QPSK	1	8	21.82	21.79	21.76	
3	QPSK	1	14	21.80	21.71	21.69	
3	QPSK	8	0	21.07	21.08	21.05	22
3	QPSK	8	4	21.04	21.00	21.02	
3	QPSK	8	7	21.03	20.94	20.96	
3	QPSK	15	0	21.02	21.04	21.02	
3	16QAM	1	0	21.04	21.04	21.06	

5	16QAM	1	12	11.87	11.84	11.83	13
5	16QAM	1	24	11.69	11.81	11.82	
5	16QAM	12	0	10.90	10.75	10.76	
5	16QAM	12	7	10.80	10.79	10.69	12
5	16QAM	12	13	10.75	10.73	10.74	
5	16QAM	25	0	10.74	10.83	10.73	
5	64QAM	1	0	10.81	10.82	10.75	
5	64QAM	1	12	10.76	10.78	10.85	12
5	64QAM	1	24	10.83	10.80	10.78	
5	64QAM	12	0	10.79	10.74	10.77	
5	64QAM	12	7	10.79	10.85	10.76	22
5	64QAM	12	13	10.70	10.76	10.70	
5	64QAM	25	0	10.85	10.84	10.64	
5	256QAM	1	0	6.88	6.89	6.82	
5	256QAM	1	12	6.83	6.85	6.92	18
5	256QAM	1	24	6.90	6.87	6.85	
5	256QAM	12	0	6.86	6.81	6.84	
5	256QAM	12	7	6.86	6.92	6.83	18
5	256QAM	12	13	6.77	6.83	6.77	
5	256QAM	25	0	6.92	6.91	6.71	
Channel				26055	26365	26675	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1882.5	1913.5	
3	QPSK	1	0	12.86	12.92	12.84	14
3	QPSK	1	8	12.73	12.70	12.67	
3	QPSK	1	14	12.71	12.62	12.60	
3	QPSK	8	0	11.88	11.89	11.86	13
3	QPSK	8	4	11.85	11.81	11.83	
3	QPSK	8	7	11.84	11.75	11.77	
3	QPSK	15	0	11.83	11.84	11.83	
3	16QAM	1	0	11.76	11.76	11.78	13
3	16QAM	1	8	11.85	11.82	11.81	
3	16QAM	1	14	11.67	11.79	11.80	
3	16QAM	8	0	10.88	10.73	10.74	12
3	16QAM	8	4	10.78	10.77	10.67	
3	16QAM	8	7	10.73	10.71	10.72	
3	16QAM	15	0	10.72	10.81	10.71	
3	64QAM	1	0	10.79	10.80	10.73	12
3	64QAM	1	8	10.74	10.76	10.83	
3	64QAM	1	14	10.81	10.78	10.76	
3	64QAM	8	0	10.77	10.72	10.75	22
3	64QAM	8	4	10.77	10.83	10.74	
3	64QAM	8	7	10.68	10.74	10.68	
3	64QAM	15	0	10.83	10.82	10.62	
3	256QAM	1	0	6.86	6.87	6.80	18
3	256QAM	1	8	6.81	6.83	6.90	
3	256QAM	1	14	6.88	6.85	6.83	
3	256QAM	8	0	6.84	6.79	6.82	18
3	256QAM	8	4	6.84	6.90	6.81	
3	256QAM	8	7	6.75	6.81	6.75	
3	256QAM	15	0	6.90	6.89	6.69	
Channel				26047	26365	26683	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1882.5	1914.3	
1.4	QPSK	1	0	12.83	12.99	12.81	14
1.4	QPSK	1	3	12.70	12.67	12.64	
1.4	QPSK	1	5	12.68	12.59	12.57	
1.4	QPSK	3	0	11.85	11.86	11.83	13
1.4	QPSK	3	1	11.82	11.78	11.80	
1.4	QPSK	3	3	11.81	11.72	11.74	
1.4	QPSK	6	0	11.80	11.81	11.80	12
1.4	16QAM	1	0	11.73	11.73	11.75	
1.4	16QAM	1	3	11.82	11.79	11.78	
1.4	16QAM	1	5	11.64	11.76	11.77	11
1.4	16QAM	3	0	10.85	10.70	10.71	
1.4	16QAM	3	1	10.75	10.74	10.64	
1.4	16QAM	3	3	10.70	10.68	10.69	12
1.4	16QAM	6	0	10.69	10.78	10.68	
1.4	64QAM	1	0	10.76	10.77	10.70	12
1.4	64QAM	1	3	10.71	10.73	10.80	
1.4	64QAM	1	5	10.78	10.75	10.73	
1.4	64QAM	3	0	10.74	10.69	10.72	22
1.4	64QAM	3	1	10.74	10.80	10.71	
1.4	64QAM	3	3	10.65	10.71	10.65	
1.4	64QAM	6	0	10.80	10.79	10.59	18
1.4	256QAM	1	0	6.83	6.84	6.77	
1.4	256QAM	1	3	6.78	6.80	6.87	
1.4	256QAM	1	5	6.85	6.82	6.80	
1.4	256QAM	3	0	6.81	6.76	6.79	18
1.4	256QAM	3	1	6.81	6.87	6.78	
1.4	256QAM	3	3	6.72	6.78	6.72	
1.4	256QAM	6	0	6.87	6.86	6.66	18

3	16QAM	1	8	21.13	21.10	21.09	22
3	16QAM	1	14	20.95	21.07	21.08	
3	16QAM	8	0	20.16	20.01	20.02	21
3	16QAM	8	4	20.06	20.05	19.95	
3	16QAM	8	7	20.01	19.99	20.00	
3	16QAM	15	0	20.00	20.09	19.99	
3	64QAM	1	0	20.07	20.08	20.01	21
3	64QAM	1	8	20.02	20.04	20.11	
3	64QAM	1	14	20.09	20.06	20.04	
3	64QAM	8	0	20.05	20.00	20.03	22
3	64QAM	8	4	20.05	20.11	20.02	
3	64QAM	8	7	19.96	20.02	19.96	
3	64QAM	15	0	20.11	20.10	19.90	
3	256QAM	1	0	16.14	16.15	16.08	18
3	256QAM	1	8	16.09	16.11	16.18	
3	256QAM	1	14	16.16	16.13	16.11	
3	256QAM	8	0	16.12	16.07	16.10	18
3	256QAM	8	4	16.12	16.18	16.09	
3	256QAM	8	7	16.03	16.09	16.03	
3	256QAM	15	0	16.18	16.17	15.97	
Channel				26697	26865	27033	Tune-up limit (dBm)
Frequency (MHz)				814.7	831.5	848.3	
1.4	QPSK	1	0	21.90	21.96	21.88	23
1.4	QPSK	1	3	21.77	21.74	21.71	
1.4	QPSK	1	5	21.75	21.66	21.64	
1.4	QPSK	3	0	21.02	21.03	21.00	22
1.4	QPSK	3	1	20.99	20.95	20.97	
1.4	QPSK	3	3	20.98	20.89	20.91	
1.4	QPSK	6	0	20.97	20.99	20.97	
1.4	16QAM	1	0	20.99	20.99	21.01	22
1.4	16QAM	1	3	21.08	21.05	21.04	
1.4	16QAM	1	5	20.90	21.02	21.03	
1.4	16QAM	3	0	20.11	19.96	19.97	21
1.4	16QAM	3	1	20.01	20.00	19.90	
1.4	16QAM	3	3	19.96	19.94	19.95	
1.4	16QAM	6	0	19.95	20.04	19.94	
1.4	64QAM	1	0	20.02	20.03	19.96	21
1.4	64QAM	1	3	19.97	19.99	20.06	
1.4	64QAM	1	5	20.04	20.01	19.99	
1.4	64QAM	3	0	20.00	19.95	19.98	22
1.4	64QAM	3	1	20.00	20.06	19.97	
1.4	64QAM	3	3	19.91	19.97	19.91	
1.4	64QAM	6	0	20.06	20.05	19.85	
1.4	256QAM	1	0	16.09	16.10	16.03	18
1.4	256QAM	1	3	16.04	16.06	16.13	
1.4	256QAM	1	5	16.11	16.08	16.06	
1.4	256QAM	3	0	16.07	16.02	16.05	
1.4	256QAM	3	1	16.07	16.13	16.04	
1.4	256QAM	3	3	15.98	16.04	15.98	
1.4	256QAM	6	0	16.13	16.12	15.92	18

Band 38(only on channel required) (dBm)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				37850	38000	38150	
Frequency (MHz)				2580	2595	2610	
20	QPSK	1	0	15.19	15.23	15.21	16
20	QPSK	1	49	15.06	15.19	15.03	
20	QPSK	1	99	15.18	15.15	14.97	
20	QPSK	50	0	14.18	14.25	14.20	15
20	QPSK	50	24	14.21	14.22	14.08	
20	QPSK	50	50	14.18	14.11	14.04	
20	QPSK	100	0	14.21	14.24	14.11	15
20	16QAM	1	0	14.31	14.32	14.20	
20	16QAM	1	49	14.21	14.24	14.28	
20	16QAM	1	99	14.13	14.17	14.14	14
20	16QAM	50	0	13.18	13.25	13.06	
20	16QAM	50	24	13.26	13.21	13.23	
20	16QAM	50	50	13.08	13.13	13.06	14
20	16QAM	100	0	13.17	13.18	13.12	
20	64QAM	1	0	13.22	13.29	13.20	
20	64QAM	1	49	13.04	13.12	13.15	14
20	64QAM	1	99	13.11	13.13	13.14	
20	64QAM	50	0	13.10	13.15	13.10	
20	64QAM	50	24	13.14	13.10	13.06	22
20	64QAM	50	50	13.01	13.08	12.95	
20	64QAM	100	0	12.93	13.11	12.97	
20	256QAM	1	0	9.25	9.32	9.23	18
20	256QAM	1	49	9.07	9.15	9.18	
20	256QAM	1	99	9.14	9.16	9.17	
20	256QAM	50	0	9.13	9.18	9.13	18
20	256QAM	50	24	9.17	9.13	9.09	
20	256QAM	50	50	9.04	9.11	8.98	
20	256QAM	100	0	8.96	9.14	9.00	
Channel				37825	38000	38175	
Frequency (MHz)				2577.5	2595	2612.5	
15	QPSK	1	0	15.15	15.19	15.17	16
15	QPSK	1	37	15.02	15.15	14.99	
15	QPSK	1	74	15.14	15.11	14.93	
15	QPSK	36	0	14.14	14.21	14.16	15
15	QPSK	36	20	14.17	14.18	14.04	
15	QPSK	36	39	14.14	14.07	14.00	
15	QPSK	75	0	14.17	14.20	14.07	15
15	16QAM	1	0	14.27	14.28	14.16	
15	16QAM	1	37	14.17	14.20	14.24	
15	16QAM	1	74	14.09	14.13	14.10	14
15	16QAM	36	0	13.14	13.21	13.02	
15	16QAM	36	20	13.22	13.17	13.19	
15	16QAM	36	39	13.04	13.09	13.02	14
15	16QAM	75	0	13.13	13.14	13.08	
15	64QAM	1	0	13.18	13.25	13.16	
15	64QAM	1	37	13.00	13.08	13.11	14
15	64QAM	1	74	13.07	13.09	13.10	
15	64QAM	36	0	13.06	13.11	13.06	
15	64QAM	36	20	13.10	13.06	13.02	22
15	64QAM	36	39	12.97	13.04	12.91	
15	64QAM	75	0	12.89	13.07	12.93	
15	256QAM	1	0	9.21	9.28	9.19	18
15	256QAM	1	37	9.03	9.11	9.14	
15	256QAM	1	74	9.10	9.12	9.13	
15	256QAM	36	0	9.09	9.14	9.09	18
15	256QAM	36	20	9.13	9.09	9.05	
15	256QAM	36	39	9.00	9.07	8.94	
15	256QAM	75	0	8.92	9.10	8.96	
Channel				37800	38000	38200	
Frequency (MHz)				2575	2595	2615	
10	QPSK	1	0	15.12	15.16	15.14	16
10	QPSK	1	25	14.99	15.12	14.96	
10	QPSK	1	49	15.11	15.08	14.90	
10	QPSK	25	0	14.11	14.18	14.13	15
10	QPSK	25	12	14.14	14.15	14.01	
10	QPSK	25	25	14.11	14.04	13.97	
10	QPSK	50	0	14.14	14.17	14.04	15
10	16QAM	1	0	14.24	14.25	14.13	
10	16QAM	1	25	14.14	14.17	14.21	
10	16QAM	1	49	14.06	14.10	14.07	14
10	16QAM	25	0	13.11	13.18	12.99	
10	16QAM	25	12	13.19	13.14	13.16	
10	16QAM	25	25	13.01	13.06	12.99	14
10	16QAM	50	0	13.10	13.11	13.05	
10	64QAM	1	0	13.15	13.22	13.13	
10	64QAM	1	25	13.07	13.05	13.08	22
10	64QAM	1	49	13.04	13.06	13.07	
10	64QAM	25	0	13.03	13.08	13.03	
10	64QAM	25	12	13.07	13.03	12.99	18
10	64QAM	25	25	12.94	13.01	12.88	
10	64QAM	50	0	12.86	13.04	12.90	
10	256QAM	1	0	9.18	9.25	9.16	18
10	256QAM	1	25	9.00	9.08	9.11	
10	256QAM	1	49	9.07	9.09	9.10	
10	256QAM	25	0	9.06	9.11	9.06	18
10	256QAM	25	12	9.10	9.06	9.02	
10	256QAM	25	25	8.97	9.04	8.91	
10	256QAM	50	0	8.89	9.07	8.93	
Channel				37775	38000	38225	
Frequency (MHz)				2572.5	2595	2617.5	
5	QPSK	1	0	15.09	15.13	15.11	16
5	QPSK	1	12	14.96	15.09	14.93	
5	QPSK	1	24	15.08	15.05	14.87	
5	QPSK	12	0	14.08	14.15	14.10	15
5	QPSK	12	7	14.11	14.12	13.98	
5	QPSK	12	13	14.08	14.01	13.94	
5	QPSK	25	0	14.11	14.14	14.01	15
5	16QAM	1	0	14.21	14.22	14.10	

Band 40 (2.3G Band-1) (dBm) Part 27D-1 2305MHz ~ 2315MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				38750			
Frequency (MHz)				2310			
10	QPSK	1	0		15.09		16
10	QPSK	1	25		15.05		
10	QPSK	1	49		14.87		
10	QPSK	25	0		14.16		15
10	QPSK	25	12		14.03		
10	QPSK	25	25		14.05		
10	QPSK	50	0		14.12		15
10	16QAM	1	0		14.26		
10	16QAM	1	25		14.06		
10	16QAM	1	49		14.10		14
10	16QAM	25	0		13.14		
10	16QAM	25	12		13.11		
10	16QAM	25	25		13.20		14
10	16QAM	50	0		13.09		
10	64QAM	1	0		13.16		
10	64QAM	1	25		13.10		14
10	64QAM	1	49		13.28		
10	64QAM	25	0		13.12		
10	64QAM	25	12		13.03		22
10	64QAM	25	25		13.12		
10	64QAM	50	0		13.10		
10	256QAM	1	0		9.30		18
10	256QAM	1	25		9.24		
10	256QAM	1	49		9.42		
10	256QAM	25	0		9.31		18
10	256QAM	25	12		9.22		
10	256QAM	25	25		9.31		
10	256QAM	50	0		17.29		
Channel				38725	38750	38775	
Frequency (MHz)				2307.5	2310	2312.5	
5	QPSK	1	0	14.92	15.01	14.99	16
5	QPSK	1	12	14.91	15.00	14.99	
5	QPSK	1	24	14.88	14.85	14.89	
5	QPSK	12	0	13.99	14.08	13.93	15
5	QPSK	12	7	14.06	14.01	14.07	
5	QPSK	12	13	13.93	13.94	13.99	
5	QPSK	25	0	13.95	13.91	14.02	15
5	16QAM	1	0	14.13	14.15	14.10	
5	16QAM	1	12	13.98	13.95	13.98	
5	16QAM	1	24	13.96	13.99	13.99	15
5	16QAM	12	0	12.96	13.03	12.97	
5	16QAM	12	7	13.04	13.01	13.05	
5	16QAM	12	13	13.06	13.07	13.13	14
5	16QAM	25	0	13.03	12.98	12.99	
5	64QAM	1	0	13.10	13.13	13.00	
5	64QAM	1	12	13.09	13.04	13.01	14
5	64QAM	1	24	13.17	13.24	13.14	
5	64QAM	12	0	13.05	13.02	12.99	22
5	64QAM	12	7	12.97	12.95	12.92	
5	64QAM	12	13	12.94	13.05	12.98	
5	64QAM	25	0	12.88	12.97	12.99	18
5	256QAM	1	0	9.24	9.22	9.08	
5	256QAM	1	12	9.25	9.14	9.05	
5	256QAM	1	24	9.34	9.39	9.32	18
5	256QAM	12	0	9.25	9.19	9.18	
5	256QAM	12	7	9.16	9.16	9.16	
5	256QAM	12	13	9.16	9.20	9.24	18
5	256QAM	25	0	9.06	9.27	9.19	



5	16QAM	1	12	14.11	14.14	14.18	15
5	16QAM	1	24	14.03	14.07	14.04	
5	16QAM	12	0	13.08	13.15	12.96	
5	16QAM	12	7	13.16	13.11	13.13	14
5	16QAM	12	13	12.98	13.03	12.96	
5	16QAM	25	0	13.07	13.08	13.02	
5	64QAM	1	0	13.12	13.19	13.10	14
5	64QAM	1	12	13.05	13.02	13.05	
5	64QAM	1	24	13.01	13.03	13.04	
5	64QAM	12	0	13.00	13.05	13.00	22
5	64QAM	12	7	13.04	13.00	12.96	
5	64QAM	12	13	12.91	12.98	12.85	
5	64QAM	25	0	12.83	13.01	12.87	
5	256QAM	1	0	9.15	9.22	9.13	18
5	256QAM	1	12	8.97	9.05	9.08	
5	256QAM	1	24	9.04	9.06	9.07	
5	256QAM	12	0	9.03	9.08	9.03	18
5	256QAM	12	7	9.07	9.03	8.99	
5	256QAM	12	13	8.94	9.01	8.88	
5	256QAM	25	0	8.86	9.04	8.90	

Band 40 (2.3G Band-2) (dBm) Part 27D-2 2350MHz ~ 2360MHz							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				36200			
Frequency (MHz)				2355			
10	QPSK	1	0		15.15		16
10	QPSK	1	25		15.12		
10	QPSK	1	49		15.10		
10	QPSK	25	0		14.19		15
10	QPSK	25	12		14.14		
10	QPSK	25	25		14.10		
10	QPSK	50	0		14.17		15
10	16QAM	1	0		13.92		
10	16QAM	1	25		14.29		
10	16QAM	1	49		14.24		14
10	16QAM	25	0		13.18		
10	16QAM	25	12		13.25		
10	16QAM	25	25		13.20		14
10	16QAM	50	0		13.16		
10	64QAM	1	0		13.13		
10	64QAM	1	25		13.11		14
10	64QAM	1	49		13.27		
10	64QAM	25	0		13.15		
10	64QAM	25	12		13.23		22
10	64QAM	25	25		13.22		
10	64QAM	50	0		13.17		
10	256QAM	1	0		9.23		18
10	256QAM	1	25		9.21		
10	256QAM	1	49		9.37		
10	256QAM	25	0		9.25		18
10	256QAM	25	12		9.33		
10	256QAM	25	25		9.32		
10	256QAM	50	0		9.27		
Channel				39175	39200	39225	Tune-up limit (dBm)
Frequency (MHz)				2352.5	2355	2357.5	
5	QPSK	1	0	14.95	15.07	14.88	16
5	QPSK	1	12	14.89	14.96	14.90	
5	QPSK	1	24	15.01	14.98	15.03	
5	QPSK	12	0	14.01	13.91	14.11	15
5	QPSK	12	7	14.04	14.01	14.02	
5	QPSK	12	13	14.08	14.11	14.05	
5	QPSK	25	0	13.90	14.03	14.03	15
5	16QAM	1	0	14.03	13.82	14.05	
5	16QAM	1	12	14.10	14.23	14.02	
5	16QAM	1	24	14.15	14.10	13.99	14
5	16QAM	12	0	13.13	13.09	13.16	
5	16QAM	12	7	13.01	13.14	13.17	
5	16QAM	12	13	13.09	13.14	13.12	14
5	16QAM	25	0	12.98	13.01	13.02	
5	64QAM	1	0	13.05	12.99	13.18	
5	64QAM	1	12	13.02	12.97	13.04	14
5	64QAM	1	24	13.11	13.14	12.90	
5	64QAM	12	0	13.02	12.99	13.03	
5	64QAM	12	7	13.13	13.11	13.13	22
5	64QAM	12	13	13.08	13.10	13.12	
5	64QAM	25	0	12.98	13.03	13.09	
5	256QAM	1	0	9.15	9.12	9.26	18
5	256QAM	1	12	9.08	9.10	9.16	
5	256QAM	1	24	9.24	9.30	9.07	
5	256QAM	12	0	9.19	9.11	9.16	18
5	256QAM	12	7	9.17	9.24	9.20	
5	256QAM	12	13	9.18	9.18	9.27	
5	256QAM	25	0	9.07	9.19	9.18	

Band 41 (2496~2690MHz) (dBm) (PC3)									
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Low Channel	Middle Channel	Middle-High Channel	High Channel	Tune-up limit (dBm)
Channel				36750	40185	40620	41055	41450	
Frequency (MHz)				2596	2549.5	2593	2636.5	2680	
20	QPSK	1	0	14.05	13.92	14.15	14.09	14.08	15
20	QPSK	1	49	14.00	14.04	14.04	13.94	13.95	
20	QPSK	1	99	14.01	13.95	13.97	13.89	13.90	
20	QPSK	50	0	13.24	13.19	13.25	13.15	13.22	14
20	QPSK	50	24	13.20	13.17	13.11	12.96	12.93	
20	QPSK	50	50	13.22	13.11	13.07	12.90	12.80	
20	QPSK	100	0	13.21	13.17	13.12	13.02	12.90	14
20	16QAM	1	0	13.29	13.31	13.25	13.19	13.20	
20	16QAM	1	49	13.22	13.09	13.19	13.12	13.15	
20	16QAM	1	99	13.15	13.01	13.04	12.94	13.12	13
20	16QAM	50	0	12.30	12.26	12.12	12.06	11.97	
20	16QAM	50	24	12.24	12.09	12.15	12.03	12.00	
20	16QAM	50	50	12.21	11.97	12.00	11.92	11.96	13
20	16QAM	100	0	12.12	12.09	12.15	12.09	12.10	
20	64QAM	1	0	12.20	12.27	12.18	12.08	12.12	
20	64QAM	1	49	12.19	11.91	12.09	12.00	12.02	13
20	64QAM	1	99	12.13	12.04	12.13	12.04	12.07	
20	64QAM	50	0	12.25	12.19	12.08	11.99	11.83	
20	64QAM	50	24	12.14	12.10	12.09	11.97	12.01	22
20	64QAM	50	50	12.02	12.03	12.04	11.93	11.95	
20	64QAM	100	0	12.21	12.16	12.20	12.11	12.10	
20	256QAM	1	0	8.30	8.37	8.28	8.18	8.22	18
20	256QAM	1	49	8.29	8.25	8.19	8.20	8.12	
20	256QAM	1	99	8.23	8.14	8.23	8.14	8.17	
20	256QAM	50	0	8.35	8.29	8.16	8.19	8.13	18
20	256QAM	50	24	8.25	8.20	8.19	8.17	8.21	
20	256QAM	50	50	8.22	8.23	8.20	8.24	8.15	
20	256QAM	100	0	8.31	8.26	8.30	8.25	8.25	
Channel				39725	40173	40620	41086	41515	Tune-up limit (dBm)
Frequency (MHz)				2500.5	2548.3	2593	2637.8	2682.5	
15	QPSK	1	0	14.02	13.89	14.12	14.06	14.05	15
15	QPSK	1	37	13.97	14.01	14.02	13.91	13.92	
15	QPSK	1	74	13.96	13.92	13.94	13.86	13.87	
15	QPSK	36	0	13.21	13.16	13.22	13.12	13.19	14
15	QPSK	36	20	13.17	13.14	13.08	12.93	12.90	
15	QPSK	36	39	13.19	13.08	13.04	12.87	12.77	
15	QPSK	75	0	13.18	13.14	13.08	12.98	12.87	14
15	16QAM	1	0	13.26	13.28	13.22	13.16	13.17	
15	16QAM	1	37	13.19	13.06	13.16	13.09	13.12	
15	16QAM	1	74	13.12	12.98	13.21	13.07	13.09	13
15	16QAM	36	0	12.27	12.23	12.09	12.03	11.94	
15	16QAM	36	20	12.21	12.06	12.12	12.00	11.97	
15	16QAM	36	39	12.18	11.94	11.97	11.89	11.93	13
15	16QAM	75	0	12.09	12.06	12.12	12.06	12.12	
15	16QAM	75	0	12.17	12.24	12.15	12.05	12.06	
15	64QAM	1	37	12.16	11.88	12.08	11.97	11.99	13
15	64QAM	1	74	12.10	12.01	12.10	12.01	12.04	
15	64QAM	36	0	12.22	12.16	12.03	11.96	11.80	
15	64QAM	36	20	12.12	12.07	12.06	11.94	11.98	22
15	64QAM	36	39	11.99	12.00	12.01	11.90	11.92	
15	64QAM	75	0	12.18	12.13	12.17	12.08	12.07	
15	256QAM	1	0	8.27	8.34	8.25	8.15	8.19	18
15	256QAM	1	37	8.26	8.22	8.16	8.17	8.07	
15	256QAM	1	74	8.20	8.11	8.20	8.11	8.14	
15	256QAM	36	0	8.32	8.26	8.13	8.16	8.10	18
15	256QAM	36	20	8.22	8.17	8.16	8.14	8.18	
15	256QAM	36	39	8.19	8.20	8.17	8.21	8.12	
15	256QAM	75	0	8.28	8.23	8.27	8.26	8.22	
Channel				39700	40160	40620	41086	41540	Tune-up limit (dBm)
Frequency (MHz)				2501	2547	2593	2639	2685	
10	QPSK	1	0	14.00	13.87	14.10	14.04	14.03	15
10	QPSK	1	25	13.95	13.99	14.00	13.89	13.90	
10	QPSK	1	49	13.96	13.90	13.92	13.84	13.85	
10	QPSK	25	0	13.19	13.14	13.20	13.10	13.17	14
10	QPSK	25	12	13.15	13.12	13.06	12.95	12.86	
10	QPSK	25	25	13.17	13.06	13.02	12.85	12.75	
10	QPSK	50	0	13.16	13.12	13.07	12.97	12.85	14
10	16QAM	1	0	13.24	13.26	13.20	13.14	13.15	
10	16QAM	1	25	13.17	13.04	13.14	13.07	13.10	
10	16QAM	1	49	13.10	12.96	13.19	13.05	13.07	13
10	16QAM	25	0	12.25	12.21	12.07	12.01	11.92	
10	16QAM	25	12	12.19	12.04	12.10	11.98	11.95	
10	16QAM	25	25	12.16	11.92	11.95	11.87	11.91	13
10	16QAM	50	0	12.07	12.04	12.12	12.06	12.05	
10	64QAM	1	0	12.15	12.22	12.13	12.03	12.07	
10	64QAM	1	25	12.14	11.86	12.04	11.95	11.97	13
10	64QAM	1	49	12.08	11.99	12.08	11.99	12.02	
10	64QAM	25	0	12.20	12.14	12.01	11.94	11.78	
10	64QAM	25	12	12.10	12.05	12.04	11.92	11.96	22
10	64QAM	25	25	11.97	11.98	11.99	11.88	11.90	
10	64QAM	50	0	12.16	12.11	12.15	12.06	12.05	
10	256QAM	1	0	8.25	8.32	8.23	8.13	8.17	18
10	256QAM	1	25	8.24	8.20	8.14	8.15	8.07	
10	256QAM	1	49	8.18	8.09	8.18	8.09	8.12	
10	256QAM	25	0	8.30	8.24	8.11	8.14	8.06	18
10	256QAM	25	12	8.20	8.15	8.14	8.12	8.16	
10	256QAM	25	25	8.17	8.18	8.15	8.19	8.10	
10	256QAM	50	0	8.26	8.21	8.25	8.24	8.20	
Channel				39675	40146	40620	41093	41565	Tune-up limit (dBm)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	
5	QPSK	1	0	13.96	13.83	14.06	14.00	13.99	15
5	QPSK	1	12	13.91	13.95	13.96	13.85	13.86	
5	QPSK	1	24	13.92	13.86	13.88	13.80	13.81	
5	QPSK	12	0	13.15	13.10	13.16	13.06	13.13	14
5	QPSK	12	7	13.11	13.08	13.02	12.87	12.84	
5	QPSK	12	13	13.13	13.02	12.98	12.81	12.71	
5	QPSK	25	0	13.12	13.08	13.03	12.93	12.81	14
5	16QAM	1	0	13.20	13.22	13.16	13.10	13.11	
5	16QAM	1	12	13.13	13.00	13.10	13.03	13.06	
5	16QAM	1	24	13.06	12.92	13.05	12.95	13.03	13
5	16QAM	12	0	12.21	12.17	12.03	11.97	11.98	
5	16QAM	12	7	12.15	12.00	12.06	11.94	11.91	
5	16QAM	12	13	12.12	11.88	11.91	11.83	11.87	13
5	16QAM	25	0	12.03	12.00	12.06	12.00	12.02	
5	64QAM	1	0	12.11	12.18	12.09	11.99	12.03	
5	64QAM	1	12	12.10	11.82	12.00	11.91	11.93	13
5	64QAM	1	24	12.04	11.95	12.04	11.95	11.98	
5	64QAM	12	0	12.16	12.10	11.97	11.90	11.74	
5	64QAM	12	7	12.07	12.01	12.09	11.89	11.92	22
5	64QAM	12	13	11.93	11.94	11.95	11.84	11.86	
5	64QAM	25	0	12.12	12.07	12.11	12.02	12.01	
5	256QAM	1	0	8.21	8.28	8.19	8.09	8.13	18
5	256QAM	1	12	8.20	8.16	8.10	8.11	8.03	
5	256QAM	1	24	8.14	8.05	8.14	8.05	8.08	
5	256QAM	12	0	8.26	8.20	8.07	8.10	8.04	18
5	256QAM	12	7	8.16	8.11	8.10	8.06	8.12	
5	256QAM	12	13	8.13	8.14	8.11	8.16	8.06	
5	256QAM	25	0	8.22	8.17	8.21	8.20	8.16	

Band 48 (3.5G Band) (dBm)										
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	55630	55990	56150	56640		
Frequency (MHz)				3660	3609	3625	3641	-10		
20	QPSK	1	0	14.91	15.04	15.07	15.03	15.02	16	
20	QPSK	1	49	14.91	14.76	14.73	14.69	14.64		
20	QPSK	1	99	14.89	14.83	14.70	14.72	14.66		
20	QPSK	50	0	14.10	14.08	14.19	14.09	14.12		
20	QPSK	50	24	14.01	14.18	14.10	14.17	14.01	15	
20	QPSK	50	50	14.00	14.25	14.00	13.99	13.97		
20	QPSK	100	0	13.98	13.95	14.10	13.97	14.00		
20	16QAM	1	0	14.21	14.13	14.06	13.97	14.00		
20	16QAM	1	49	14.26	14.18	13.99	13.98	14.01	15	
20	16QAM	1	99	14.41	14.06	13.94	13.97	13.95		
20	16QAM	50	0	13.42	13.31	13.16	13.10	13.13		
20	16QAM	50	24	13.18	13.21	13.14	13.07	13.09		
20	16QAM	50	50	13.21	13.22	12.94	13.11	13.10	14	
20	16QAM	100	0	13.27	13.27	13.12	13.12	13.04		
20	64QAM	1	49	13.32	13.42	13.16	13.29	13.23		
20	64QAM	1	99	12.98	13.21	13.10	13.28	13.21		
20	64QAM	1	99	13.11	13.12	13.13	13.19	13.22	22	
20	64QAM	50	0	13.26	13.21	13.10	13.14	12.96		
20	64QAM	50	24	13.33	13.23	13.06	13.11	13.06		
20	64QAM	50	50	13.27	13.01	12.84	13.17	13.13		
20	64QAM	100	0	13.17	13.19	13.24	13.04	13.01	18	
20	256QAM	1	0	9.20	9.30	9.06	9.17	9.11		
20	256QAM	1	49	8.99	9.09	8.96	9.16	9.09		
20	256QAM	1	99	9.05	9.11	9.01	9.07	9.10		
20	256QAM	50	0	9.13	9.08	8.97	9.01	8.91	18	
20	256QAM	50	24	9.20	9.10	8.93	8.98	8.93		
20	256QAM	50	50	9.14	8.88	8.71	9.04	9.00		
20	256QAM	100	0	9.04	9.06	9.11	8.91	8.88		
Channel				55315	55820	55950	56160	56665	Tune-up limit (dBm)	
Frequency (MHz)				3557.5	3608	3625	3642	3692.5		
15	QPSK	1	0	14.87	15.00	15.03	14.99	14.98	16	
15	QPSK	1	37	14.87	14.72	14.69	14.65	14.60		
15	QPSK	1	74	14.85	14.76	14.66	14.68	14.62		
15	QPSK	36	0	14.06	14.04	14.15	14.05	14.08		
15	QPSK	36	20	13.97	14.14	14.06	14.13	13.97	15	
15	QPSK	36	39	13.96	14.21	13.96	13.95	13.83		
15	QPSK	75	0	13.94	13.91	14.06	13.93	13.96		
15	16QAM	1	0	14.17	14.09	14.02	13.93	13.96		
15	16QAM	1	37	14.22	14.14	13.95	13.94	13.97	15	
15	16QAM	1	74	14.37	14.02	13.90	13.93	13.91		
15	16QAM	36	0	13.38	13.27	13.14	13.08	13.09		
15	16QAM	36	20	13.14	13.17	13.10	13.03	13.05		
15	16QAM	36	39	13.17	13.18	12.90	13.07	13.06	14	
15	16QAM	75	0	13.23	13.23	13.08	13.08	13.00		
15	64QAM	1	0	13.28	13.38	13.14	13.25	13.19		
15	64QAM	1	37	12.94	13.17	13.06	13.24	13.17		
15	64QAM	1	74	13.07	13.08	13.09	13.15	13.18	14	
15	64QAM	36	0	13.22	13.17	13.06	13.10	12.92		
15	64QAM	36	20	13.26	13.19	13.02	13.07	13.02		
15	64QAM	36	39	13.23	12.97	12.80	13.13	13.09		
15	64QAM	75	0	13.13	13.15	13.20	13.00	12.97	22	
15	256QAM	1	0	9.16	9.28	9.02	9.13	9.07		
15	256QAM	1	37	8.85	9.05	8.94	9.12	9.05		
15	256QAM	1	74	9.01	9.07	8.97	9.03	9.06		
15	256QAM	36	0	9.09	9.04	8.93	8.97	8.87	18	
15	256QAM	36	20	9.16	9.08	8.89	8.94	8.89		
15	256QAM	36	39	9.10	8.84	8.87	9.00	8.96		
15	256QAM	75	0	9.00	9.02	9.07	8.87	8.84		
Channel				55290	55815	55990	56165	56690	Tune-up limit (dBm)	
Frequency (MHz)				3655	3607.5	3625	3642.5	3695		
10	QPSK	1	0	14.84	14.97	15.00	14.98	14.95	16	
10	QPSK	1	25	14.84	14.80	14.66	14.62	14.57		
10	QPSK	1	49	14.82	14.78	14.63	14.65	14.59		
10	QPSK	25	0	14.03	14.01	14.12	14.02	14.05		
10	QPSK	25	12	13.94	14.11	14.03	14.10	13.94	15	
10	QPSK	25	25	13.93	14.18	13.93	13.92	13.80		
10	QPSK	50	0	13.91	13.88	14.03	13.90	13.93		
10	16QAM	1	0	14.14	14.06	13.99	13.90	13.93		
10	16QAM	1	25	14.19	14.11	13.92	13.91	13.94	15	
10	16QAM	1	49	14.34	13.99	13.87	13.90	13.88		
10	16QAM	25	0	13.95	13.24	13.11	13.03	13.06		
10	16QAM	25	12	13.11	13.14	13.07	13.00	13.02		
10	16QAM	25	25	13.14	13.15	12.87	13.04	13.03	14	
10	16QAM	50	0	13.20	13.20	13.05	13.05	12.97		
10	64QAM	1	0	13.25	13.35	13.11	13.22	13.16		
10	64QAM	1	25	12.91	13.14	13.03	13.21	13.14		
10	64QAM	1	49	13.04	13.05	13.06	13.12	13.15	22	
10	64QAM	25	0	13.19	13.14	13.03	13.07	12.89		
10	64QAM	25	12	13.26	13.16	12.99	13.04	12.99		
10	64QAM	25	25	13.20	12.94	12.77	13.10	13.06		
10	64QAM	50	0	13.10	13.12	13.17	12.97	12.94	18	
10	256QAM	1	0	9.13	9.23	8.99	9.10	9.04		
10	256QAM	1	25	8.92	9.02	8.91	9.09	9.02		
10	256QAM	1	49	8.98	9.04	8.94	9.00	9.03		
10	256QAM	25	0	9.06	9.01	8.90	8.94	8.84		
10	256QAM	25	12	9.13	9.03	8.86	8.91	8.86	18	
10	256QAM	25	25	9.07	8.91	8.84	8.97	8.93		
10	256QAM	50	0	8.97	8.99	9.04	8.84	8.91		
Channel				55265	55810	55990	56170	56175	Tune-up limit (dBm)	
Frequency (MHz)				3552.5	3607	3625	3643	3697.5		
5	QPSK	1	0	14.80	14.93	14.96	14.92	14.91	16	
5	QPSK	1	12	14.80	14.65	14.62	14.58	14.53		
5	QPSK	1	24	14.78	14.72	14.59	14.61	14.55		
5	QPSK	12	0	13.99	13.97	14.08	13.98	14.01		
5	QPSK	12	7	13.90	14.07	13.99	14.06	13.90	15	
5	QPSK	12	13	13.89	14.14	13.99	13.89	13.76		
5	QPSK	25	0	13.87	13.84	13.98	13.86	13.89		
5	16QAM	1	0	14.10	14.02	13.95	13.86	13.89		
5	16QAM	1	12	14.15	14.07	13.88	13.87	13.90	15	
5	16QAM	1	24	14.30	13.95	13.83	13.86	13.84		
5	16QAM	12	0	13.31	13.20	13.07	12.99	13.02		
5	16QAM	12	7	13.07	13.10	13.03	12.96	12.98		
5	16QAM	12	13	13.10	13.11	12.83	13.00	12.99	14	
5	16QAM	25	0	13.16	13.16	13.01	13.01	12.93		
5	64QAM	1	0	13.21	13.31	13.07	13.18	13.12		
5	64QAM	1	12	12.87	13.10	12.99	13.17	13.10		
5	64QAM	1	24	13.00	13.01	13.02	13.08	13.11	22	
5	64QAM	12	0	13.15	13.10	12.99	13.03	12.85		
5	64QAM	12	7	13.22	13.12	12.95	13.00	12.95		
5	64QAM	12	13	13.16	12.90	12.73	13.06	13.02		
5	64QAM	25	0	13.06	13.08	13.13	12.93	12.90	18	
5	256QAM	1	0	9.09	9.19	8.95	9.06	9.00		
5	256QAM	1	12	8.88	8.98	8.87	9.05	8.98		
5	256QAM	1	24	8.94	9.00	8.90	8.96	8.99		
5	256QAM	12	0	9.02	8.97	8.86	8.90	8.80		
5	256QAM	12	7	9.09	8.99	8.82	8.87	8.82	18	
5	256QAM	12	13	9.03	8.77	8.60	8.93	8.89		
5	256QAM	25	0	8.93	8.95	9.00	8.80	8.77		

2.4GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a Mbps	CH11	2412	13.51	14.50	13.50	99.29
	CH6	2437	13.50	14.50	13.50	99.27
	CH11	2442	14.50	14.50	14.50	99.29
802.11g Mbps	CH11	2412	13.14	14.50	13.50	99.34
	CH6	2437	12.85	13.50	13.50	99.34
	CH11	2462	12.87	13.50	12.50	99.34
802.11a+HT40 MCS0	CH11	2412	12.85	13.50	12.50	99.27
	CH6	2437	12.50	13.50	12.50	99.27
	CH11	2462	12.57	13.50	12.50	99.70
802.11a+HT40 MCS2	CH6	2437	13.51	14.50	13.50	99.74
	CH6	2437	14.50	14.50	14.50	99.74
	CH11	2412	12.88	13.50	12.50	99.74
802.11a+VHT20 MCS0	CH6	2437	12.57	13.50	12.50	99.70
	CH11	2462	12.92	13.50	12.50	99.74
	CH3	2422	13.12	14.50	13.50	99.70
802.11a+VHT40 MCS0	CH9	2402	13.34	14.50	12.50	99.74
	CH11	2412	13.10	14.50	12.50	99.70
	CH6	2437	12.73	13.50	12.50	99.70
802.11a+HEW40 MCS0	CH9	2402	12.77	13.50	12.50	99.74
	CH6	2437	12.97	14.50	12.50	99.70
	CH9	2452	12.58	14.50	12.50	99.74
802.11a+HEW40 MCS0 (RU0)	CH9	2412	12.91	13.50	12.50	99.67
	CH6	2437	13.18	14.50	12.50	99.67
	CH11	2462	12.89	13.50	12.50	99.67
802.11a+HEW40 MCS0 (RU2)	CH11	2412	12.73	13.50	12.50	99.57
	CH6	2437	13.00	14.50	12.50	99.57
	CH11	2412	12.88	13.50	12.50	99.57
802.11a+HEW40 MCS0 (RU4)	CH6	2437	13.15	14.50	13.50	99.58
	CH11	2462	12.79	13.50	12.50	99.58
	CH3	2422	11.56	12.50	12.50	99.67
802.11a+HEW40 MCS0 (RU8)	CH9	2402	12.33	13.50	12.50	99.67
	CH9	2402	12.33	13.50	12.50	99.67
	CH3	2422	11.83	12.50	12.50	99.67
802.11a+HEW40 MCS0 (RU16)	CH9	2402	12.37	13.50	12.50	99.58
	CH3	2422	12.49	13.50	12.50	99.58
	CH3	2422	12.51	13.50	12.50	99.57
802.11a+HEW40 MCS0 (RU32)	CH9	2402	12.57	13.50	12.50	99.57
	CH3	2422	12.45	13.50	12.50	99.57

5GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a Mbps	CH36	5180	14.77	15.50	12.50	99.53
	CH46	5220	14.58	15.50	12.50	99.53
	CH48	5240	14.15	15.50	12.50	99.53
802.11a+VHT20 MCS0	CH36	5180	13.18	14.50	11.50	99.63
	CH46	5220	12.93	14.50	11.50	99.63
	CH48	5240	12.58	13.50	11.50	99.63
802.11a+HT40 MCS0	CH36	5180	14.18	16.50	11.50	99.63
	CH46	5220	13.93	14.50	11.50	99.63
	CH48	5240	13.58	14.50	11.50	99.63
802.11a+VHT40 MCS0	CH36	5180	13.11	14.50	11.50	99.63
	CH46	5220	12.91	13.50	11.50	99.63
	CH48	5240	12.58	13.50	11.50	99.63
802.11a+VHT40 MCS2	CH36	5180	14.18	15.50	11.50	99.63
	CH46	5220	13.87	14.50	11.50	99.63
	CH48	5240	13.58	13.50	11.50	99.63
802.11a+VHT40 MCS8	CH36	5180	13.18	14.50	11.50	99.63
	CH46	5220	12.97	14.50	11.50	99.63
	CH48	5240	12.62	13.50	11.50	99.63
802.11a+HEW40 MCS0	CH36	5180	13.73	14.50	10.50	100.00
	CH46	5220	13.58	14.50	10.50	99.63
	CH48	5240	13.27	13.50	10.50	99.74
802.11a+HEW40 MCS0 (RU0)	CH36	5220	12.44	13.50	10.50	99.63
	CH46	5240	12.62	10.50	9.50	99.63
	CH48	5250	7.71	8.50	8.50	99.63
802.11a+HEW40 MCS0 (RU2)	CH36	5240	12.62	10.50	9.50	99.63
	CH46	5220	11.54	12.50	9.50	99.63
	CH48	5250	11.31	12.50	9.50	99.63
802.11a+HEW40 MCS0 (RU4)	CH46	5240	11.57	12.50	9.50	99.63
	CH36	5180	13.12	14.50	11.50	99.63
	CH48	5240	12.58	14.50	11.50	99.63
802.11a+HEW40 MCS0 (RU8)	CH48	5240	12.79	13.50	11.50	99.63
	CH36	5180	8.57	9.50	8.50	99.63
	CH38	5190	11.81	12.50	9.50	100.00
802.11a+HEW40 MCS0 (RU16)	CH36	5180	11.81	12.50	9.50	100.00
	CH48	5240	11.40	11.50	9.50	99.63
	CH38	5190	12.72	13.50	11.50	99.27
802.11a+HEW40 MCS0 (RU32)	CH42	5210	8.57	9.50	8.50	99.61
	CH42	5210	11.89	12.50	9.50	99.61
	CH42	5210	13.48	14.50	11.50	99.63
802.11a+HEW40 MCS0 (RU64)	CH42	5210	11.16	14.50	11.50	99.63
	CH42	5210	12.62	14.50	11.50	99.58
	CH50	5230	10.36	11.50	7.00	99.61
802.11a+HEW40 MCS0 (RU128)	CH50	5230	11.99	13.50	9.50	100.00
	CH50	5230	12.43	14.50	11.50	99.63
	CH50	5230	12.52	14.50	10.50	99.63
802.11a+HEW40 MCS0 (RU256)	CH50	5230	12.33	13.50	10.50	99.58
	CH50	5230	12.13	13.50	10.50	99.27

5GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a Mbps	CH36	5180	14.07	15.50	11.50	99.59
	CH46	5220	14.15	15.50	11.50	99.59
	CH48	5240	14.09	15.50	11.50	99.59
802.11a+VHT20 MCS0	CH32	5200	12.43	13.50	10.50	99.60
	CH46	5220	12.50	13.50	10.50	99.60
	CH48	5240	12.19	13.50	10.50	99.63
802.11a+HT40 MCS0	CH34	5270	12.38	14.50	10.50	99.63
	CH42	5210	13.62	14.50	10.50	99.60
	CH48	5240	12.46	13.50	10.50	99.63
802.11a+VHT40 MCS0	CH42	5210	13.58	14.50	10.50	99.60
	CH36	5180	11.47	12.50	9.50	99.63
	CH48	5240	12.48	13.50	10.50	99.27
802.11a+HEW40 MCS0	CH60	5300	12.74	13.50	10.50	99.63
	CH64	5320	12.87	13.50	10.50	99.63
	CH34	5270	12.38	14.50	10.50	99.63
802.11a+HEW40 MCS0 (RU0)	CH64	5320	11.58	14.50	10.50	99.63
	CH60	5300	11.55	12.50	9.50	99.63
	CH42	5210	11.16	11.50	9.50	99.63
802.11a+HEW40 MCS0 (RU2)	CH64	5320	7.79	8.50	8.50	99.61
	CH60	5300	7.54	8.50	8.50	99.63
	CH42	5210	11.18	11.50	9.50	99.63
802.11a+HEW40 MCS0 (RU4)	CH60	5300	10.72	11.50	8.50	99.63
	CH64	5320	10.48	11.50	8.50	99.61
802.11a+HEW40 MCS0 (RU8)	CH32	5200	12.46	13.50	10.50	99.58
	CH46	5220	12.36	13.50	10.50	99.63
	CH48	5240	12.30	13.50	10.50	99.63

5GHz WLAN ANT 3

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a Mbps	CH100	5900	13.51	15.50	11.50	99.59
	CH120	5920	14.07	15.50	11.50	99.59
	CH144	5720	14.14	15.50	11.50	99.59
802.11a+VHT20 MCS0	CH100	5900	12.46	13.50	10.50	99.60
	CH144	5720	12.54	13.50	10.50	99.63
	CH102	5910	13.50	14.50	10.50	99.63
802.11a+HT40 MCS0	CH108	5910	13.15	14.50	10.50	99.63
	CH142	5710	12.67	14.50	10.50	99.63
	CH100	5900	12.38	13.50	10.50	99.63
802.11a+VHT40 MCS0	CH120	5920	12.44	13.50	10.50	100.00
	CH144	5720	12.40	13.50	10.50	99.63
	CH102	5910	13.50	14.50	10.50	99.63
802.11a+VHT40 MCS2	CH108	5910	13.77	14.50	10.50	99.63
	CH142	5710	13.72	14.50	10.50	99.63
	CH100	5900	11.83	12.50	9.50	99.63
802.11a+VHT40 MCS8	CH108	5910	12.98	13.50	10.50	99.63

2.4GHz WLAN ANT 7

Mode	Channel	Frequency (MHz)	Average power (dBm)	Time-Up Limit	Power Setting	Duty Cycle %
802.11a Mbps	CH1	2412	13.10	15.50	14.50	99.29
	CH6	2437	14.50	15.50	14.50	99.29
	CH11	2462	14.78	15.50	14.50	99.29
802.11g Mbps	CH11	2412	14.78	15.50	14.50	99.34
	CH6	2437	14.61	15.50	14.50	99.34
	CH11	2462	14.47	15.50	14.50	99.34
802.11a+HT20 MCS0	CH11	2412	14.41	15.50	14.50	99.74
	CH6	2437	14.50	15.50	14.50	99.74
	CH11	2462	14.16	15.50	14.50	99.70
802.11a+HT40 MCS0	CH9	2402	14.50	15.50	13.50	99.74
	CH6	2437	15.07	15.50	13.50	99.70
	CH11	2412	14.21	15.50	14.50	99.70
802.11a+VHT20 MCS0	CH9	2402	14.33	15.50	13.50	99.70
	CH11	2462	14.51	15.50	14.50	99.70
	CH3	2422	13.56	15.50	13.50	99.70
802.11a+VHT40 MCS0	CH9	2402	15.10	15.50	13.50	99.70
	CH11	2412	14.60	15.50	14.50	99.74
	CH6	2437	14.52	15.50	14.50	99.74
802.11a+HEW40 MCS0	CH9	2402	14.44	15.50	13.50	99.70
	CH6	2437	14.63	15.50	13.50	99.70
	CH9	2452	14.74	15.50	13.50	99.70
802.11a+HEW40 MCS0 (RU0)	CH11	2412	14.50	15.50	14.50	99.61
	CH11	2437	14.50	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.46	15.50	14.50	99.61
	CH11	2412	14.50	15.50	14.50	99.61
	CH11	2437	14.54	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	2437	14.36	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.53	15.50	14.50	99.61
	CH11	2412	14.58	15.50	14.50	99.61
	CH11	2437	14.64	15.50	14.50	99.61
802.11a+HEW40 MCS0 (RU0)	CH11	2462	14.26	15.50	14.50	99.61
	CH11	2412	14.30	15.50	14.50	99.61
	CH11	243				

802.11a-WHT80 MCS0	CH 114	5570	12.07	13.00	8.00	98.10
	CH 100	5580	12.71	14.00	10.00	98.90
	CH 118	5590	12.85	13.50	10.00	98.80
802.11a-WHT80 MCS0	CH 144	5740	12.87	13.00	8.00	98.90
	CH 102	5570	13.30	14.00	10.00	98.90
	CH 114	5580	13.50	14.50	10.00	98.80
802.11a-WHT80 MCS0	CH 142	5710	13.41	14.50	10.00	100.00
	CH 100	5580	13.55	13.50	8.00	98.97
	CH 118	5590	13.91	13.50	8.00	98.24
802.11a-WHT80 MCS0	CH 114	5570	12.23	13.00	8.00	98.10
	CH 100	5580	6.18	7.00	4.00	98.90
	CH 118	5590	6.36	7.00	4.00	98.91
802.11a-WHT80 MCS0	CH 144	5720	6.18	7.00	4.00	98.90
	CH 100	5580	9.82	10.50	7.00	98.91
	CH 118	5590	9.70	10.50	7.00	98.91
802.11a-WHT80 MCS0	CH 144	5720	9.80	10.50	7.00	98.91
	CH 100	5580	11.84	12.00	8.00	98.90
	CH 118	5590	11.45	12.00	8.00	98.90
802.11a-WHT80 MCS0	CH 144	5720	11.82	12.00	8.00	98.90

5GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-BBQps	CH 140	5740	13.33	14.00	11.00	98.00
	CH 107	5735	13.84	14.00	11.00	98.00
	CH 105	5825	13.72	14.00	11.00	98.00
802.11a-WHT80 MCS0	CH 140	5740	13.75	14.00	10.00	98.90
	CH 107	5735	12.25	13.00	10.00	98.90
	CH 105	5825	12.80	13.50	10.00	98.90
802.11a-WHT80 MCS0	CH 101	5730	13.52	14.50	10.00	98.90
	CH 100	5720	13.71	14.50	10.00	98.90
	CH 144	5740	13.14	13.50	10.00	98.90
802.11a-WHT80 MCS0	CH 107	5735	12.28	13.00	10.00	98.90
	CH 105	5825	12.48	13.50	10.00	98.90
	CH 101	5730	13.55	14.50	10.00	98.90
802.11a-WHT80 MCS0	CH 140	5730	12.90	14.00	10.00	98.90
	CH 105	5770	11.58	12.00	8.00	98.90
802.11a-WHT80 MCS0	CH 140	5740	12.41	13.50	10.00	98.90
	CH 107	5735	12.48	13.50	10.00	98.90
	CH 105	5825	12.77	13.50	10.00	98.90
802.11a-WHT80 MCS0	CH 101	5730	13.18	14.00	10.00	98.90
	CH 100	5730	13.38	14.00	10.00	100.00
	CH 105	5770	11.54	12.50	8.00	98.94
802.11a-WHT80 MCS0	CH 140	5740	6.31	7.00	4.00	98.90
	CH 107	5735	6.00	7.00	4.00	98.91
	CH 105	5825	6.20	7.00	4.00	98.90
802.11a-WHT80 MCS0	CH 140	5740	6.31	10.00	7.00	98.90
	CH 107	5735	9.38	10.00	7.00	98.90
	CH 105	5825	8.58	10.00	7.00	98.91
802.11a-WHT80 MCS0	CH 140	5740	11.16	12.00	8.00	98.90
	CH 107	5735	11.48	12.00	8.00	98.90
	CH 105	5825	11.82	12.00	8.00	98.90

6.2GHz WLAN ANT 6

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-WHT80 MCS0	CH 1	5850	2.33	3.00	0.00	100.00
	CH 45	6170	2.30	3.00	0.00	100.00
	CH 93	6415	0.51	1.00	0.00	100.00
802.11a-WHT80 MCS0	CH 3	5865	4.52	5.00	2.00	100.00
	CH 51	6200	4.72	5.50	2.00	100.00
	CH 91	6405	3.84	4.50	2.00	100.00
802.11a-WHT80 MCS0	CH 7	5880	6.13	6.00	3.00	100.00
	CH 39	6225	6.43	7.00	3.00	100.00
	CH 87	6385	6.51	6.50	3.00	100.00
802.11a-WHT80 MCS0	CH 15	6025	8.14	8.50	7.00	100.00
	CH 47	6140	8.58	9.00	7.00	100.00
	CH 99	6345	8.93	9.50	7.00	100.00
802.11a-WHT80 MCS0	CH 1	5855	-0.81	-0.00	-7.00	100.00
	CH 45	6175	-4.46	-5.00	-7.00	100.00
	CH 93	6415	-6.90	-6.00	-7.00	100.00
802.11a-WHT80 MCS0	CH 3	5865	-3.00	-3.00	-4.00	100.00
	CH 51	6205	-5.71	-5.00	-4.00	100.00
	CH 91	6415	-5.84	-5.00	-4.00	100.00
802.11a-WHT80 MCS0	CH 7	5885	-0.57	0.00	-2.00	100.00
	CH 39	6225	-0.26	0.50	-2.00	100.00
	CH 87	6415	-7.01	-5.00	-2.00	100.00
802.11a-WHT80 MCS0	CH 3	5865	-0.68	-5.00	-7.00	100.00
	CH 51	6205	-1.31	-2.00	-4.00	100.00
	CH 91	6405	-4.09	0.00	-2.00	100.00
802.11a-WHT80 MCS0	CH 3	5865	-4.58	4.50	3.00	100.00
	CH 7	5885	-5.13	-5.00	-7.00	100.00
	CH 7	5885	-1.82	-1.00	-4.00	100.00
802.11a-WHT80 MCS0	CH 7	5885	-0.43	0.00	-2.00	100.00
	CH 7	5885	4.84	5.00	3.00	100.00
	CH 7	5885	4.34	4.50	3.00	100.00
802.11a-WHT80 MCS0	CH 15	6025	-0.05	-5.00	-7.00	100.00
	CH 15	6025	-3.58	-3.00	-7.00	100.00
	CH 15	6025	-0.07	0.50	-3.00	100.00
802.11a-WHT80 MCS0	CH 15	6025	3.16	3.50	3.00	100.00
	CH 15	6025	3.81	4.50	1.00	100.00
	CH 15	6025	6.53	7.00	5.00	100.00

6.5GHz WLAN (Ant 6)

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-WHT80 MCS0	CH 97	6455	3.92	4.50	2.00	100.00
	CH 105	6475	3.89	4.50	2.00	100.00
	CH 113	6515	3.57	4.00	2.00	100.00
802.11a-WHT80 MCS0	CH 99	6445	6.23	6.50	4.00	100.00
	CH 107	6465	5.94	6.50	4.00	100.00
	CH 115	6505	7.84	8.00	7.00	93.33
802.11a-WHT80 MCS0	CH 97	6455	-4.06	-3.00	-5.00	100.00
	CH 105	6475	-4.06	-3.00	-5.00	100.00
	CH 113	6515	-5.29	-3.00	-5.00	100.00
802.11a-WHT80 MCS0	CH 97	6455	-2.38	-2.00	-2.00	100.00
	CH 105	6475	-2.38	-2.00	-2.00	100.00
	CH 113	6515	-2.80	-2.00	-2.00	100.00
802.11a-WHT80 MCS0	CH 97	6455	1.14	1.50	0.00	100.00
	CH 105	6475	1.29	2.00	0.00	100.00
	CH 113	6515	0.76	1.00	0.00	100.00

6.7GHz WLAN (Ant 6)

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-WHT80 MCS0	CH 101	6755	0.85	1.00	-1.00	100.00
	CH 109	6805	1.16	1.50	-1.00	100.00
	CH 117	6855	0.88	1.50	-1.00	100.00
802.11a-WHT80 MCS0	CH 147	6885	3.43	4.00	1.00	100.00
	CH 155	6935	4.81	5.00	4.00	100.00
	CH 163	6985	4.81	5.00	4.00	100.00
802.11a-WHT80 MCS0	CH 101	6755	4.82	5.50	4.00	100.00
	CH 107	6795	5.37	6.50	4.00	100.00
	CH 143	6855	6.00	7.50	6.00	100.00
802.11a-WHT80 MCS0	CH 117	6855	-4.09	-4.00	-7.00	100.00
	CH 149	6855	-4.05	-4.00	-7.00	100.00
	CH 161	6855	-0.91	-0.00	-7.00	100.00
802.11a-WHT80 MCS0	CH 117	6855	-3.82	-3.00	-4.00	100.00
	CH 149	6855	-3.82	-3.00	-4.00	100.00
	CH 161	6855	-3.82	-3.00	-4.00	100.00
802.11a-WHT80 MCS0	CH 117	6855	-0.89	-0.50	-2.00	100.00
	CH 149	6855	-0.22	0.50	-2.00	100.00
	CH 161	6855	-0.57	0.00	-2.00	100.00

7.0GHz WLAN (Ant 6)

Mode	Channel	Frequency (MHz)	Average power (dBm)	Transmit Loss	Power Setting	Duty Cycle %
802.11a-WHT80 MCS0	CH 165	6875	0.85	1.00	-1.00	100.00
	CH 209	6965	1.16	1.50	-1.00	100.00
	CH 223	7115	0.88	1.50	-1.00	100.00
802.11a-WHT80 MCS0	CH 165	6875	3.16	3.50	1.00	100.00
	CH 209	6965	3.43	4.00	1.00	100.00
	CH 227	7065	3.58	3.50	1.00	100.00

802.11a-WHT80 MCS0	CH 114	5570	4.87	5.00	2.00	100.00
	CH 100	5580	5.30	6.00	2.00	98.90
	CH 118	5590	5.22	6.00	2.00	98.90
802.11a-WHT80 MCS0	CH 144	5740	5.28	6.00	2.00	98.90
	CH 102	5570	6.00	7.00	2.00	100.00
	CH 114	5580	5.67	6.00	2.00	98.90
802.11a-WHT80 MCS0	CH 142	5710	6.15	7.00	2.00	98.90
	CH 100	5580	4.46	5.00	2.00	98.90
	CH 118	5590	4.48	5.00	2.00	98.90
802.11a-WHT80 MCS0	CH 114	5570	4.75	5.00	2.00	100.00
	CH 100	5580	-7.50	-6.00	-10.00	98.90
	CH 118	5590	-7.65	-6.00	-10.00	98.91
802.11a-WHT80 MCS0	CH 144	5720	-7.84	-7.00	-10.00	98.90
	CH 100	5580	-4.00	-3.00	-7.00	98.90
	CH 118	5590	-4.31	-3.00	-7.00	98.90
802.11a-WHT80 MCS0	CH 144	5720	-4.25	-3.00	-7.00	98.90
	CH 100	5580	-2.75	-1.00	-4.00	98.90
	CH 118	5590	-2.74	-1.00	-4.00	98.90
802.11a-WHT80 MCS0	CH 144	5720	-2.85	-1.00	-4.00	98.90

5.8 WLAN ANT 7

	Mode	Channel	Frequency (MHz)	Average power (dBm)	Trans-Loss	Power Setting	Duty Cycle (%)
802.11a-BBQps		CH 140	5740	9.42	9.00	8.00	98.00
		CH 107	5735	9.85	9.00	8.00	98.00
		CH 105	5825	9.88	9.00	8.00	98.00
		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	98.90
		CH 105	5735	9.48	7.00	5.00	98.90
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
	802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
802.11a-WHT80 MCS0		CH 140	5740	9.16	9.00	8.00	98.90
		CH 107	5735	9.53	9.00	8.00	98.90
		CH 105	5825	9.50	9.00	8.00	98.90
		CH 140	5740	9.68	9.00	8.00	98.90
		CH 107	5735	9.45	7.00	5.00	100.00
		CH 105	5825	9.48	7.00	5.00	100.00
		CH 140	5740	9.50	9.00	8.00	98.90
		CH 107	5735	9.50	9.00	8.00	100.00
		CH 105	5825	9.47	9.00	8.00	100.00
		CH 105	5735	9.48	9.00	8.00	100.00
		CH 105	5735	9.42	7.00	5.00	98.90
		CH 105	5735	9.40	7.00	5.00	98.90
		CH 105	5735	9.40</			



802.11a-HEB0 MCS0	CH 199	6945	5.79	6.50	4.00	100.00
	CH 216	7050	6.90	6.00	4.00	100.00
802.11a-HEB0 MCS0	CH 207	6995	7.83	8.00	6.00	100.00
	CH 195	6875	-5.02	-4.00	-4.00	100.00
802.11a-HEB00 MCS0 (PLU0)	CH 209	6995	-4.96	-4.00	-4.00	100.00
	CH 233	7115	-5.21	-4.00	-4.00	100.00
802.11a-HEB00 MCS0 (PLU0)	CH 195	6875	-5.52	-4.00	-3.00	100.00
	CH 209	6995	-3.43	-3.00	-3.00	100.00
802.11a-HEB00 MCS0 (PLU100)	CH 195	6875	0.23	1.00	-1.00	100.00
	CH 233	7115	0.45	1.00	-1.00	100.00

802.11a-HEB0 MCS0	CH 199	6945	13.44	14.00	10.00	100.00
	CH 216	7050	14.01	14.00	14.00	100.00
802.11a-HEB00 MCS0 (PLU0)	CH 207	6995	12.71	13.00	11.00	100.00
	CH 195	6875	0.68	1.00	0.00	100.00
802.11a-HEB00 MCS0 (PLU0)	CH 209	6995	0.40	1.00	-2.00	100.00
	CH 233	7115	0.48	1.00	-2.00	100.00
802.11a-HEB00 MCS0 (PLU0)	CH 195	6875	3.85	4.00	1.00	100.00
	CH 209	6995	3.49	4.00	1.00	100.00
802.11a-HEB00 MCS0 (PLU100)	CH 233	7115	3.50	4.00	1.00	100.00
	CH 195	6875	0.56	0.00	3.00	100.00
802.11a-HEB00 MCS0 (PLU100)	CH 209	6995	0.20	0.00	3.00	100.00
	CH 233	7115	0.28	0.00	0.00	100.00

802.11a-HEB0 MCS0	CH 199	6945	11.53	12.00	9.00	100.00
	CH 216	7050	11.76	12.00	9.00	100.00
802.11a-HEB0 MCS0	CH 207	6995	16.15	16.00	7.00	100.00
	CH 195	6875	-5.93	-6.00	-7.00	100.00
802.11a-HEB00 MCS0 (PLU0)	CH 209	6995	-6.72	-6.00	-7.00	100.00
	CH 233	7115	-6.76	-6.00	-7.00	100.00
802.11a-HEB00 MCS0 (PLU0)	CH 195	6875	2.34	2.00	-4.00	100.00
	CH 209	6995	1.64	2.00	-4.00	100.00
802.11a-HEB00 MCS0 (PLU100)	CH 233	7115	1.65	2.00	-4.00	100.00
	CH 195	6875	0.95	0.00	-1.00	100.00
802.11a-HEB00 MCS0 (PLU100)	CH 209	6995	0.76	0.00	-1.00	100.00
	CH 233	7115	0.71	0.00	-1.00	100.00

Reduced Power Level 3

Band 2 (1900MHz Band) (dBm) Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	QPSK	1	0	16.11	16.13	16.06	17
20	QPSK	1	49	16.10	16.12	16.05	
20	QPSK	1	99	16.02	16.09	16.06	
20	QPSK	50	0	15.16	15.28	15.17	16
20	QPSK	50	24	15.20	15.14	15.12	
20	QPSK	50	50	15.17	15.20	15.13	
20	QPSK	100	0	15.20	15.21	15.10	16
20	16QAM	1	0	15.47	15.38	15.21	
20	16QAM	1	49	15.35	15.44	15.39	
20	16QAM	1	99	15.45	15.22	15.49	15
20	16QAM	50	0	14.39	14.34	14.38	
20	16QAM	50	24	14.48	14.33	14.32	
20	16QAM	50	50	14.35	14.38	14.40	15
20	16QAM	100	0	14.33	14.35	14.31	
20	64QAM	1	0	14.43	14.57	14.52	
20	64QAM	1	49	14.46	14.50	14.40	15
20	64QAM	1	99	14.56	14.44	14.26	
20	64QAM	50	0	14.44	14.33	14.33	
20	64QAM	50	24	14.27	14.28	14.35	15
20	64QAM	50	50	14.40	14.33	14.38	
20	64QAM	100	0	14.32	14.35	14.34	
20	256QAM	1	0	10.47	10.62	10.57	11.5
20	256QAM	1	49	10.50	10.55	10.45	
20	256QAM	1	99	10.60	10.49	10.31	
20	256QAM	50	0	10.45	10.35	10.35	11.5
20	256QAM	50	24	10.28	10.30	10.37	
20	256QAM	50	50	10.41	10.35	10.40	
20	256QAM	100	0	10.33	10.37	10.36	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	QPSK	1	0	16.06	16.08	16.01	17
15	QPSK	1	37	16.05	16.07	16.00	
15	QPSK	1	74	15.97	16.04	16.01	
15	QPSK	36	0	15.11	15.23	15.12	16
15	QPSK	36	20	15.15	15.09	15.07	
15	QPSK	36	39	15.12	15.15	15.08	
15	QPSK	75	0	15.15	15.16	15.05	16
15	16QAM	1	0	15.42	15.33	15.16	
15	16QAM	1	37	15.30	15.39	15.34	
15	16QAM	1	74	15.40	15.17	15.44	15
15	16QAM	36	0	14.34	14.29	14.33	
15	16QAM	36	20	14.43	14.28	14.27	
15	16QAM	36	39	14.30	14.33	14.35	15
15	16QAM	75	0	14.28	14.30	14.26	
15	64QAM	1	0	14.38	14.52	14.47	
15	64QAM	1	37	14.41	14.45	14.35	15
15	64QAM	1	74	14.51	14.39	14.21	
15	64QAM	36	0	14.39	14.28	14.28	
15	64QAM	36	20	14.22	14.23	14.30	15
15	64QAM	36	39	14.35	14.28	14.33	
15	64QAM	75	0	14.27	14.30	14.29	
15	256QAM	1	0	10.42	10.57	10.52	11.5
15	256QAM	1	37	10.45	10.50	10.40	
15	256QAM	1	74	10.55	10.44	10.26	
15	256QAM	36	0	10.40	10.30	10.30	11.5
15	256QAM	36	20	10.23	10.25	10.32	
15	256QAM	36	39	10.36	10.30	10.35	
15	256QAM	75	0	10.28	10.32	10.31	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	QPSK	1	0	16.00	16.02	15.95	17
10	QPSK	1	25	15.99	16.01	15.94	
10	QPSK	1	49	15.91	15.98	15.95	
10	QPSK	25	0	15.05	15.17	15.06	16
10	QPSK	25	12	15.09	15.03	15.01	
10	QPSK	25	25	15.06	15.09	15.02	
10	QPSK	50	0	15.09	15.10	14.99	16
10	16QAM	1	0	15.36	15.27	15.10	
10	16QAM	1	25	15.24	15.33	15.28	
10	16QAM	1	49	15.34	15.11	15.38	15
10	16QAM	25	0	14.28	14.23	14.27	
10	16QAM	25	12	14.37	14.22	14.21	
10	16QAM	25	25	14.24	14.27	14.29	15
10	16QAM	50	0	14.22	14.24	14.20	
10	64QAM	1	0	14.32	14.46	14.41	
10	64QAM	1	25	14.35	14.39	14.29	15
10	64QAM	1	49	14.45	14.33	14.15	
10	64QAM	25	0	14.33	14.22	14.22	
10	64QAM	25	12	14.16	14.17	14.24	15
10	64QAM	25	25	14.29	14.22	14.27	
10	64QAM	50	0	14.21	14.24	14.23	
10	256QAM	1	0	10.36	10.51	10.46	11.5
10	256QAM	1	25	10.39	10.44	10.34	
10	256QAM	1	49	10.49	10.38	10.20	
10	256QAM	25	0	10.34	10.24	10.24	11.5
10	256QAM	25	12	10.17	10.19	10.26	
10	256QAM	25	25	10.30	10.24	10.29	
10	256QAM	50	0	10.22	10.26	10.25	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	QPSK	1	0	15.97	15.99	15.92	17
5	QPSK	1	12	15.96	15.98	15.91	
5	QPSK	1	24	15.88	15.95	15.92	
5	QPSK	12	0	15.02	15.14	15.03	16
5	QPSK	12	7	15.06	15.00	14.98	

Band 66 (dBm) Ant2							
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	16.66	16.69	16.60	17.5
20	QPSK	1	49	16.38	16.50	16.35	
20	QPSK	1	99	16.46	16.46	16.43	
20	QPSK	50	0	15.58	15.63	15.61	16.5
20	QPSK	50	24	15.51	15.59	15.58	
20	QPSK	50	50	15.62	15.57	15.59	
20	QPSK	100	0	15.58	15.63	15.60	16.5
20	16QAM	1	0	15.88	15.83	15.85	
20	16QAM	1	49	15.75	15.84	15.61	
20	16QAM	1	99	15.69	15.76	15.84	51.5
20	16QAM	50	0	14.55	14.48	14.47	
20	16QAM	50	24	14.67	14.62	14.50	
20	16QAM	50	50	14.60	14.59	14.56	15.5
20	16QAM	100	0	14.61	14.58	14.48	
20	64QAM	1	0	14.84	14.81	14.82	
20	64QAM	1	49	14.72	14.82	14.56	15.5
20	64QAM	1	99	14.63	14.76	14.77	
20	64QAM	50	0	14.52	14.47	14.47	
20	64QAM	50	24	14.59	14.57	14.49	15.5
20	64QAM	50	50	14.52	14.53	14.53	
20	64QAM	100	0	14.63	14.52	14.41	
20	256QAM	1	0	10.73	10.68	10.75	11.5
20	256QAM	1	49	10.56	10.73	10.96	
20	256QAM	1	99	10.58	10.65	10.73	
20	256QAM	50	0	10.88	10.81	10.82	11.5
20	256QAM	50	24	10.48	10.52	10.83	
20	256QAM	50	50	10.51	10.94	10.92	
20	256QAM	100	0	10.97	10.50	10.83	
Channel				132047	132322	132597	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1745	1772.5	
15	QPSK	1	0	16.60	16.63	16.54	17.5
15	QPSK	1	37	16.32	16.44	16.29	
15	QPSK	1	74	16.40	16.40	16.37	
15	QPSK	36	0	15.52	15.57	15.55	16.5
15	QPSK	36	20	15.45	15.53	15.52	
15	QPSK	36	39	15.56	15.51	15.53	
15	QPSK	75	0	15.52	15.57	15.54	16.5
15	16QAM	1	0	15.82	15.77	15.79	
15	16QAM	1	37	15.69	15.78	15.55	
15	16QAM	1	74	15.63	15.70	15.78	51.5
15	16QAM	36	0	14.49	14.42	14.41	
15	16QAM	36	20	14.61	14.56	14.44	
15	16QAM	36	39	14.54	14.53	14.50	15.5
15	16QAM	75	0	14.55	14.52	14.42	
15	64QAM	1	0	14.78	14.75	14.78	
15	64QAM	1	37	14.66	14.76	14.50	15.5
15	64QAM	1	74	14.57	14.70	14.71	
15	64QAM	36	0	14.46	14.41	14.41	
15	64QAM	36	20	14.53	14.51	14.43	15.5
15	64QAM	36	39	14.46	14.47	14.47	
15	64QAM	75	0	14.57	14.46	14.35	
15	256QAM	1	0	10.67	10.62	10.69	11.5
15	256QAM	1	37	10.50	10.67	10.40	
15	256QAM	1	74	10.52	10.59	10.67	
15	256QAM	36	0	10.72	10.65	10.66	11.5
15	256QAM	36	20	11.22	10.46	10.67	
15	256QAM	36	39	10.85	10.78	10.76	
15	256QAM	75	0	10.41	10.44	10.67	
Channel				132022	132322	132622	Tune-up limit (dBm)
Frequency (MHz)				1715	1745	1775	
10	QPSK	1	0	16.54	16.57	16.48	17.5
10	QPSK	1	25	16.26	16.38	16.23	
10	QPSK	1	49	16.34	16.34	16.31	
10	QPSK	25	0	15.46	15.51	15.49	16.5
10	QPSK	25	12	15.39	15.47	15.46	
10	QPSK	25	25	15.50	15.45	15.47	
10	QPSK	50	0	15.46	15.51	15.48	16.5
10	16QAM	1	0	15.76	15.71	15.73	
10	16QAM	1	25	15.63	15.72	15.49	
10	16QAM	1	49	15.57	15.64	15.72	51.5
10	16QAM	25	0	14.43	14.36	14.35	
10	16QAM	25	12	14.55	14.50	14.38	
10	16QAM	25	25	14.48	14.47	14.44	15.5
10	16QAM	50	0	14.49	14.46	14.36	
10	64QAM	1	0	14.72	14.69	14.70	
10	64QAM	1	25	14.60	14.70	14.44	15.5
10	64QAM	1	49	14.51	14.64	14.65	
10	64QAM	25	0	14.40	14.35	14.35	
10	64QAM	25	12	14.47	14.45	14.37	15.5
10	64QAM	25	25	14.40	14.41	14.41	
10	64QAM	50	0	14.51	14.40	14.29	
10	256QAM	1	0	10.61	10.56	10.63	11.5
10	256QAM	1	25	10.44	10.61	10.34	
10	256QAM	1	49	10.46	10.53	10.61	
10	256QAM	25	0	10.56	10.49	10.50	11.5
10	256QAM	25	12	10.36	10.40	10.51	
10	256QAM	25	25	10.39	10.32	10.30	
10	256QAM	50	0	10.35	10.38	10.51	
Channel				131997	132322	132647	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1745	1777.5	
5	QPSK	1	0	16.51	16.54	16.45	17.5
5	QPSK	1	12	16.23	16.35	16.20	
5	QPSK	1	24	16.31	16.31	16.28	
5	QPSK	12	0	15.43	15.48	15.46	16.5
5	QPSK	12	7	15.36	15.44	15.43	
5	QPSK	12	13	15.47	15.42	15.44	

5	QPSK	25	0	15.43	15.48	15.45	
5	16QAM	1	0	15.73	15.68	15.70	
5	16QAM	1	12	15.60	15.69	15.46	16.5
5	16QAM	1	24	15.54	15.61	15.69	
5	16QAM	12	0	14.40	14.33	14.32	
5	16QAM	12	7	14.52	14.47	14.35	51.5
5	16QAM	12	13	14.45	14.44	14.41	
5	16QAM	25	0	14.46	14.43	14.33	
5	64QAM	1	0	14.69	14.66	14.67	
5	64QAM	1	12	14.57	14.67	14.41	15.5
5	64QAM	1	24	14.48	14.61	14.62	
5	64QAM	12	0	14.37	14.32	14.32	
5	64QAM	12	7	14.44	14.42	14.34	15.5
5	64QAM	12	13	14.37	14.38	14.38	
5	64QAM	25	0	14.48	14.37	14.26	
5	256QAM	1	0	10.58	10.53	10.60	
5	256QAM	1	12	10.41	10.58	10.31	11.5
5	256QAM	1	24	10.43	10.50	10.58	
5	256QAM	12	0	10.43	10.36	10.37	
5	256QAM	12	7	10.33	10.37	10.38	11.5
5	256QAM	12	13	10.36	10.49	10.47	
5	256QAM	25	0	10.32	10.35	10.38	
Channel				131987	132322	132657	Tune-up limit
Frequency (MHz)				1711.5	1745	1778.5	(dBm)
3	QPSK	1	0	16.47	16.50	16.41	
3	QPSK	1	8	16.19	16.31	16.16	17.5
3	QPSK	1	14	16.27	16.27	16.24	
3	QPSK	8	0	15.39	15.44	15.42	
3	QPSK	8	4	15.32	15.40	15.39	16.5
3	QPSK	8	7	15.43	15.38	15.40	
3	QPSK	15	0	15.39	15.44	15.41	
3	16QAM	1	0	15.69	15.64	15.66	
3	16QAM	1	8	15.56	15.65	15.42	16.5
3	16QAM	1	14	15.50	15.57	15.65	
3	16QAM	8	0	14.36	14.29	14.28	
3	16QAM	8	4	14.48	14.43	14.31	15.5
3	16QAM	8	7	14.41	14.40	14.37	
3	16QAM	15	0	14.42	14.39	14.29	
3	64QAM	1	0	14.65	14.62	14.63	
3	64QAM	1	8	14.53	14.63	14.37	15.5
3	64QAM	1	14	14.44	14.57	14.58	
3	64QAM	8	0	14.33	14.28	14.28	
3	64QAM	8	4	14.40	14.38	14.30	15.5
3	64QAM	8	7	14.33	14.34	14.34	
3	64QAM	15	0	14.44	14.33	14.22	
3	256QAM	1	0	10.54	10.49	10.56	
3	256QAM	1	8	10.37	10.54	10.37	11.5
3	256QAM	1	14	10.39	10.46	10.54	
3	256QAM	8	0	10.29	10.22	10.23	
3	256QAM	8	4	10.29	10.33	10.24	11.5
3	256QAM	8	7	10.32	10.25	10.33	
3	256QAM	15	0	10.28	10.31	10.24	
Channel				131979	132322	132685	Tune-up limit
Frequency (MHz)				1710.7	1745	1779.3	(dBm)
1.4	QPSK	1	0	16.43	16.46	16.37	
1.4	QPSK	1	3	16.15	16.27	16.12	17.5
1.4	QPSK	1	5	16.23	16.23	16.20	
1.4	QPSK	3	0	15.35	15.40	15.38	
1.4	QPSK	3	1	15.28	15.36	15.35	
1.4	QPSK	3	3	15.39	15.34	15.36	16.5
1.4	QPSK	6	0	15.35	15.40	15.37	
1.4	16QAM	1	0	15.65	15.60	15.62	
1.4	16QAM	1	3	15.52	15.61	15.38	16.5
1.4	16QAM	1	5	15.46	15.53	15.61	
1.4	16QAM	3	0	14.32	14.25	14.24	
1.4	16QAM	3	1	14.44	14.39	14.27	
1.4	16QAM	3	3	14.37	14.36	14.33	15.5
1.4	16QAM	6	0	14.38	14.35	14.25	
1.4	64QAM	1	0	14.61	14.58	14.59	
1.4	64QAM	1	3	14.49	14.59	14.33	15.5
1.4	64QAM	1	5	14.40	14.53	14.54	
1.4	64QAM	3	0	14.29	14.24	14.24	
1.4	64QAM	3	1	14.36	14.34	14.26	
1.4	64QAM	3	3	14.29	14.30	14.30	15.5
1.4	64QAM	6	0	14.40	14.29	14.18	
1.4	256QAM	1	0	10.50	10.45	10.52	
1.4	256QAM	1	3	10.33	10.50	10.33	11.5
1.4	256QAM	1	5	10.35	10.42	10.50	
1.4	256QAM	3	0	10.25	10.18	10.19	
1.4	256QAM	3	1	10.25	10.49	10.20	
1.4	256QAM	3	3	10.28	10.21	10.29	
1.4	256QAM	6	0	10.34	10.27	10.20	11.5

5	QPSK	12	13	15.03	15.06	14.99	16
5	QPSK	25	0	15.06	15.07	14.96	
5	16QAM	1	0	15.33	15.24	15.07	16
5	16QAM	1	12	15.21	15.30	15.25	
5	16QAM	1	24	15.31	15.08	15.35	15
5	16QAM	12	0	14.25	14.20	14.24	
5	16QAM	12	7	14.34	14.19	14.18	15
5	16QAM	12	13	14.21	14.24	14.26	
5	16QAM	25	0	14.19	14.21	14.17	15
5	64QAM	1	0	14.29	14.43	14.38	
5	64QAM	1	12	14.32	14.36	14.26	15
5	64QAM	1	24	14.42	14.30	14.12	
5	64QAM	12	0	14.30	14.19	14.19	15
5	64QAM	12	7	14.13	14.14	14.21	
5	64QAM	12	13	14.26	14.19	14.24	11.5
5	64QAM	25	0	14.18	14.21	14.20	
5	256QAM	1	0	10.33	10.48	10.43	11.5
5	256QAM	1	12	10.36	10.41	10.31	
5	256QAM	1	24	10.46	10.35	10.17	11.5
5	256QAM	12	0	10.31	10.21	10.21	
5	256QAM	12	7	10.14	10.16	10.23	11.5
5	256QAM	12	13	10.27	10.21	10.26	
5	256QAM	25	0	10.19	10.23	10.22	Tune-up limit (dBm)
Channel				18615	18900	19185	
Frequency (MHz)				1851.5	1880	1908.5	
3	QPSK	1	0	15.94	15.96	15.89	17
3	QPSK	1	8	15.93	15.95	15.88	
3	QPSK	1	14	15.85	15.92	15.89	16
3	QPSK	8	0	14.99	15.11	15.00	
3	QPSK	8	4	15.03	14.97	14.95	16
3	QPSK	8	7	15.00	15.03	14.96	
3	QPSK	15	0	15.03	15.04	14.93	16
3	16QAM	1	0	15.30	15.21	15.04	
3	16QAM	1	8	15.18	15.27	15.22	15
3	16QAM	1	14	15.28	15.05	15.32	
3	16QAM	8	0	14.22	14.17	14.21	15
3	16QAM	8	4	14.31	14.16	14.15	
3	16QAM	8	7	14.18	14.21	14.23	15
3	16QAM	15	0	14.16	14.18	14.14	
3	64QAM	1	0	14.26	14.40	14.35	15
3	64QAM	1	8	14.29	14.33	14.23	
3	64QAM	1	14	14.39	14.27	14.09	15
3	64QAM	8	0	14.27	14.16	14.16	
3	64QAM	8	4	14.10	14.11	14.18	11.5
3	64QAM	8	7	14.23	14.16	14.21	
3	64QAM	15	0	14.15	14.18	14.17	11.5
3	256QAM	1	0	10.30	10.45	10.40	
3	256QAM	1	8	10.33	10.38	10.28	11.5
3	256QAM	1	14	10.43	10.32	10.14	
3	256QAM	8	0	10.28	10.18	10.18	11.5
3	256QAM	8	4	10.11	10.13	10.20	
3	256QAM	8	7	10.24	10.18	10.23	11.5
3	256QAM	15	0	10.16	10.20	10.19	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	QPSK	1	0	15.90	15.92	15.85	17
1.4	QPSK	1	3	15.89	15.91	15.84	
1.4	QPSK	1	5	15.81	15.88	15.85	16
1.4	QPSK	3	0	14.95	15.07	14.96	
1.4	QPSK	3	1	14.99	14.93	14.91	16
1.4	QPSK	3	3	14.96	14.99	14.92	
1.4	QPSK	6	0	14.99	15.00	14.89	16
1.4	16QAM	1	0	15.26	15.17	15.00	
1.4	16QAM	1	3	15.14	15.23	15.18	16
1.4	16QAM	1	5	15.24	15.01	15.28	
1.4	16QAM	3	0	14.18	14.13	14.17	15
1.4	16QAM	3	1	14.27	14.12	14.11	
1.4	16QAM	3	3	14.14	14.17	14.19	15
1.4	16QAM	6	0	14.12	14.14	14.10	
1.4	64QAM	1	0	14.22	14.36	14.31	15
1.4	64QAM	1	3	14.25	14.29	14.19	
1.4	64QAM	1	5	14.35	14.23	14.05	15
1.4	64QAM	3	0	14.23	14.12	14.12	
1.4	64QAM	3	1	14.06	14.07	14.14	15
1.4	64QAM	3	3	14.19	14.12	14.17	
1.4	64QAM	6	0	14.11	14.14	14.13	11.5
1.4	256QAM	1	0	10.26	10.41	10.36	
1.4	256QAM	1	3	10.29	10.34	10.24	11.5
1.4	256QAM	1	5	10.39	10.28	10.10	
1.4	256QAM	3	0	10.24	10.14	10.14	11.5
1.4	256QAM	3	1	10.07	10.09	10.16	
1.4	256QAM	3	3	10.20	10.14	10.19	11.5
1.4	256QAM	6	0	10.12	10.16	10.15	

B5_n2							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up
Channel				372000	376000	380000	limit
Frequency (MHz)				1860	1880	1900	(dBm)
20	DFT-s-OFDM PI/2 BPSK	1	1	15.39	15.30	15.27	16.50
20		1	53	15.35	15.18	15.29	
20		1	104	15.36	14.28	15.26	
20		50	1	14.97	14.95	14.87	16.50
20		50	25	15.40	15.20	15.23	
20		50	50	15.04	14.76	14.89	
20		100	0	15.07	14.92	14.97	
20	DFT-s-OFDM QPSK	1	1	15.56	15.34	15.31	16.50
20		1	53	15.35	15.17	15.32	
20		1	104	15.36	15.12	15.25	
20		50	1	14.59	14.56	14.58	16.50
20		50	25	15.42	15.33	15.37	
20		50	50	14.52	14.26	14.28	
20		100	0	14.51	14.46	14.38	
20	DFT-s-OFDM 16QAM	1	1	14.79	14.84	14.71	15.50
20	DFT-s-OFDM 64QAM	1	1	13.18	13.13	13.11	14.00
20	DFT-s-OFDM 256QAM	1	1	11.01	10.94	10.88	12.00
20	CP-OFDM QPSK	1	1	13.98	14.01	13.92	15.00
20	CP-OFDM 16QAM	1	1	13.50	13.39	13.32	14.00
20	CP-OFDM 64QAM	1	1	12.07	11.32	11.76	12.50
20	CP-OFDM 256QAM	1	1	9.05	8.97	8.98	10.00
Channel				371500	376000	380500	Tune-up
Frequency (MHz)				1857.5	1880	1902.5	limit
15	DFT-s-OFDM QPSK	1	1	15.46	15.29	15.32	16.50
Channel				370991.5	375991.5	380991.5	Tune-up
Frequency (MHz)				1855	1880	1905	limit
10	DFT-s-OFDM QPSK	1	1	15.52	15.38	15.41	16.50
Channel				370500	376000	381500	Tune-up
Frequency (MHz)				1852.5	1880	1907.5	limit
5	DFT-s-OFDM QPSK	1	1	15.51	15.33	15.39	16.50

B12_n2							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	15.46	15.46	15.44	16.50
20		1	53	15.45	15.43	15.50	
20		1	104	15.50	15.43	15.42	
20		50	1	15.13	15.09	15.12	15.50
20	DFT-s-OFDM QPSK	50	25	15.49	15.49	15.49	
20		50	50	15.20	15.08	15.08	
20		100	0	15.22	15.10	15.09	
20		1	1	15.59	15.52	15.53	16.50
20	DFT-s-OFDM 16QAM	1	53	15.39	15.34	15.43	
20		1	104	15.40	15.40	15.34	
20		50	1	14.60	14.64	14.60	15.50
20		50	25	15.45	15.41	15.40	
20	DFT-s-OFDM 64QAM	50	50	14.69	14.59	14.60	
20		100	0	14.75	14.63	14.60	
20	DFT-s-OFDM 256QAM	1	1	14.77	14.75	14.77	15.50
20	CP-OFDM QPSK	1	1	12.93	12.92	12.97	14.50
20	CP-OFDM 16QAM	1	1	10.95	10.95	10.96	10.50
20	CP-OFDM 64QAM	1	1	14.04	14.02	14.02	16.50
20	CP-OFDM 256QAM	1	1	13.92	13.90	13.91	15.50
20		1	1	11.86	11.85	11.87	14.50
20		1	1	8.97	8.97	8.97	10.50
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	15.46	15.37	15.32	16.50
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	15.56	15.47	15.53	16.50
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	15.54	15.48	15.51	16.50

B66_n2							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				372000	376000	380000	Tune-up limit (dBm)
Frequency (MHz)				1860	1880	1900	
20	DFT-s-OFDM PI/2 BPSK	1	1	15.56	15.54	15.53	16.50
20		1	53	15.55	15.50	15.56	
20		1	104	15.60	15.54	15.52	
20		50	1	15.19	15.17	15.22	15.50
20		50	25	15.58	15.57	15.60	
20		50	50	15.31	15.18	15.13	
20		100	0	15.31	15.20	15.20	
20	DFT-s-OFDM QPSK	1	1	15.62	15.58	15.60	16.50
20		1	53	15.47	15.43	15.56	
20		1	104	15.55	15.48	15.45	
20		50	1	14.72	14.73	14.71	16.50
20		50	25	15.61	15.59	15.59	
20		50	50	14.78	14.64	14.66	
20		100	0	14.85	14.71	14.71	
20	DFT-s-OFDM 16QAM	1	1	14.87	14.82	14.84	15.50
20	DFT-s-OFDM 64QAM	1	1	13.06	13.04	13.06	14.50
20	DFT-s-OFDM 256QAM	1	1	11.01	10.99	11.01	10.50
20	CP-OFDM QPSK	1	1	14.14	14.09	14.13	16.50
20	CP-OFDM 16QAM	1	1	14.00	13.93	9.27	15.50
20	CP-OFDM 64QAM	1	1	11.95	11.94	12.04	14.50
20	CP-OFDM 256QAM	1	1	9.09	9.08	9.01	10.50
Channel				371500	376000	380500	Tune-up limit
Frequency (MHz)				1857.5	1880	1902.5	
15	DFT-s-OFDM QPSK	1	1	15.55	15.48	15.44	16.50
Channel				371000	376000	381000	Tune-up limit
Frequency (MHz)				1855	1880	1905	
10	DFT-s-OFDM QPSK	1	1	15.58	15.60	15.55	16.50
Channel				370500	376000	381500	Tune-up limit
Frequency (MHz)				1852.5	1880	1907.5	
5	DFT-s-OFDM QPSK	1	1	15.57	15.59	15.56	16.50

B2_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	20.23	20.18	20.16	21.50
20		1	53	20.07	20.06	20.01	
20		1	104	19.98	20.01	20.02	
20		50	1	20.16	20.14	20.08	21.00
20		50	25	20.09	20.05	20.03	
20		50	50	20.05	20.03	20.02	
20		100	0	20.13	20.12	20.13	
20	DFT-s-OFDM QPSK	1	1	20.57	20.52	20.37	21.50
20		1	53	20.10	20.09	20.18	
20		1	104	19.99	20.01	20.03	
20		50	1	20.16	20.13	20.12	21.00
20		50	25	20.09	20.06	20.03	
20		50	50	20.05	20.03	20.01	
20		100	0	20.14	20.13	20.15	
20	DFT-s-OFDM 16QAM	1	1	20.56	20.51	20.45	21.50
20	DFT-s-OFDM 64QAM	1	1	18.94	18.89	18.86	19.50
20	DFT-s-OFDM 256QAM	1	1	16.82	16.78	16.74	17.50
20	CP-OFDM QPSK	1	1	19.79	19.76	19.73	20.50
20	CP-OFDM 16QAM	1	1	19.20	19.14	19.07	20.00
20	CP-OFDM 64QAM	1	1	17.86	17.80	17.79	18.50
20	CP-OFDM 256QAM	1	1	14.85	14.80	14.75	15.50
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	20.26	20.18	20.09	21.50
Channel				165800	167300	168800	Tune-up limit
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	20.19	20.06	20.06	21.50
Channel				165300	167300	169300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	20.27	20.06	20.07	21.50

B66_n5 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				166800	167300	167800	Tune-up limit (dBm)
Frequency (MHz)				834	836.5	839	
20	DFT-s-OFDM PI/2 BPSK	1	1	20.55	20.51	20.48	21.50
20		1	53	20.39	20.40	20.31	
20		1	104	20.17	20.07	19.98	
20		50	1	20.54	20.55	20.44	21.50
20		50	25	20.44	20.48	20.41	
20		50	50	20.41	20.34	20.26	
20		100	0	20.47	20.52	20.43	
20	DFT-s-OFDM QPSK	1	1	20.80	20.55	20.51	21.50
20		1	53	20.45	20.43	20.38	
20		1	104	20.20	20.08	20.02	
20		50	1	20.58	20.52	20.50	21.50
20		50	25	20.47	20.51	20.41	
20		50	50	20.43	20.30	20.23	
20		100	0	20.47	20.49	20.48	
20	DFT-s-OFDM 16QAM	1	1	20.79	20.78	20.78	21.50
20	DFT-s-OFDM 64QAM	1	1	19.25	19.22	19.22	20.00
20	DFT-s-OFDM 256QAM	1	1	17.21	17.16	17.18	18.00
20	CP-OFDM QPSK	1	1	20.14	20.12	20.14	21.00
20	CP-OFDM 16QAM	1	1	19.52	19.45	19.42	20.50
20	CP-OFDM 64QAM	1	1	18.20	18.13	18.12	19.00
20	CP-OFDM 256QAM	1	1	15.21	15.17	15.15	16.00
Channel				166300	167300	168300	Tune-up limit
Frequency (MHz)				831.5	836.5	841.5	
15	DFT-s-OFDM QPSK	1	1	20.56	20.49	20.37	21.50
Channel				165800	167300	168800	Tune-up limit
Frequency (MHz)				829	836.5	844	
10	DFT-s-OFDM QPSK	1	1	20.38	20.21	19.98	21.50
Channel				165300	167300	169300	Tune-up limit
Frequency (MHz)				826.5	836.5	846.5	
5	DFT-s-OFDM QPSK	1	1	20.39	20.21	19.87	21.50

B2_n41 (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	13.00
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	12.12	12.11	12.00	13.00
100		1	136	12.05	11.96	11.86	
100		1	271	12.01	11.94	11.99	
100		135	1	11.76	11.74	11.54	13.00
100		135	67	12.11	12.05	11.94	
100		135	136	11.68	11.53	11.43	
100		270	0	11.74	11.79	11.64	
100		1	1	12.13	12.09	12.01	13.00
100	DFT-s-OFDM QPSK	1	136	12.04	11.94	11.78	
100		1	271	11.99	11.88	11.91	
100		135	1	11.27	11.26	11.09	13.00
100		135	67	12.12	12.07	11.95	
100		135	136	11.22	11.03	10.98	
100		270	0	11.26	11.32	11.15	
100	DFT-s-OFDM 16QAM	1	1	11.26	11.27	11.27	12.00
100	DFT-s-OFDM 64QAM	1	1	9.93	9.86	9.86	11.00
100	DFT-s-OFDM 256QAM	1	1	7.61	7.52	7.45	8.50
100	CP-OFDM QPSK	1	1	10.76	10.81	10.63	11.50
100	CP-OFDM 16QAM	1	1	10.32	10.33	10.13	11.00
100	CP-OFDM 64QAM	1	1	8.84	8.83	8.76	9.50
100	CP-OFDM 256QAM	1	1	5.64	5.62	5.51	6.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	11.99	12.02	11.81	13.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	12.03	12.05	11.80	13.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	12.04	12.12	11.81	13.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	11.56	11.58	11.35	13.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	12.13	11.76	11.46	13.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	12.07	12.37	11.99	13.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	12.04	12.12	11.87	13.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	12.06	12.12	11.98	13.00

B2_n41 (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	12.00
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	10.78	10.83	10.68	12.00
100		1	136	10.66	10.63	10.53	
100		1	271	10.66	10.62	10.64	
100		135	1	10.80	10.82	10.61	12.00
100		135	67	10.76	10.73	10.57	
100		135	136	10.70	10.65	10.52	
100		270	0	10.76	10.86	10.70	
100	DFT-s-OFDM QPSK	1	1	10.85	10.98	10.87	12.00
100		1	136	10.70	10.66	10.49	
100		1	271	10.63	10.62	10.65	
100		135	1	10.80	10.82	10.62	12.00
100		135	67	10.78	10.77	10.59	
100		135	136	10.72	10.63	10.51	
100		270	0	10.79	10.50	10.70	
100	DFT-s-OFDM 16QAM	1	1	10.80	10.89	10.75	12.00
100	DFT-s-OFDM 64QAM	1	1	10.91	10.97	10.84	12.00
100	DFT-s-OFDM 256QAM	1	1	9.14	9.16	9.01	10.00
100	CP-OFDM QPSK	1	1	10.82	10.83	10.66	11.50
100	CP-OFDM 16QAM	1	1	10.92	10.87	10.80	11.50
100	CP-OFDM 64QAM	1	1	10.42	10.41	10.25	11.50
100	CP-OFDM 256QAM	1	1	7.23	7.20	7.03	8.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	10.68	10.69	10.48	12.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	10.70	10.71	10.49	12.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	10.72	10.81	10.52	12.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	10.25	10.21	10.05	12.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	10.82	10.42	10.19	12.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	10.74	10.86	10.66	12.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	10.71	10.89	10.55	12.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	10.78	10.80	10.66	12.00

B66_n41 (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	13.00
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	12.12	12.11	12.03	13.00
100		1	136	12.06	11.95	11.88	
100		1	271	12.02	11.93	11.98	
100		135	1	11.77	11.73	11.55	13.00
100		135	67	12.17	12.06	11.94	
100		135	136	11.72	11.53	11.43	
100		270	0	11.77	11.79	11.67	
100	DFT-s-OFDM QPSK	1	1	12.18	12.09	11.96	13.00
100		1	136	12.08	11.94	11.75	
100		1	271	12.00	11.89	11.90	
100		135	1	11.28	11.26	11.07	13.00
100		135	67	12.13	12.06	11.92	
100		135	136	11.22	11.03	10.96	
100		270	0	11.28	11.31	11.18	
100	DFT-s-OFDM 16QAM	1	1	11.29	11.35	11.27	12.00
100	DFT-s-OFDM 64QAM	1	1	9.97	9.93	9.74	11.00
100	DFT-s-OFDM 256QAM	1	1	7.58	7.55	7.49	8.50
100	CP-OFDM QPSK	1	1	10.81	10.78	10.69	11.50
100	CP-OFDM 16QAM	1	1	10.38	10.31	10.16	11.00
100	CP-OFDM 64QAM	1	1	8.85	8.78	8.68	9.50
100	CP-OFDM 256QAM	1	1	5.58	5.64	5.42	6.50
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	12.01	12.04	11.85	13.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	12.05	12.09	11.83	13.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	12.06	12.16	11.88	13.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	11.61	12.14	12.00	13.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	11.77	12.12	12.11	13.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	12.14	12.13	12.05	13.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	12.15	12.07	11.96	13.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	12.09	12.02	12.11	13.00

B66_n41 (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				509202	518598	528000	12.00
Frequency (MHz)				2546.01	2592.99	2640	
100	DFT-s-OFDM PI/2 BPSK	1	1	10.77	10.75	10.62	12.00
100		1	136	10.67	10.56	10.50	
100		1	271	10.62	10.57	10.60	
100		135	1	10.80	10.76	10.58	12.00
100		135	67	10.74	10.68	10.56	
100		135	136	10.72	10.54	10.46	
100		270	0	10.75	10.80	10.66	
100	DFT-s-OFDM QPSK	1	1	10.82	10.86	10.72	12.00
100		1	136	10.71	10.60	10.46	
100		1	271	10.62	10.56	10.62	
100		135	1	10.80	10.76	10.59	11.50
100		135	67	10.74	10.69	10.57	
100		135	136	10.71	10.55	10.48	
100		270	0	10.74	10.82	10.68	
100	DFT-s-OFDM 16QAM	1	1	10.80	10.78	10.66	11.50
100	DFT-s-OFDM 64QAM	1	1	10.85	10.84	10.85	11.50
100	DFT-s-OFDM 256QAM	1	1	9.14	9.05	9.01	10.00
100	CP-OFDM QPSK	1	1	10.73	10.76	10.64	11.50
100	CP-OFDM 16QAM	1	1	10.83	10.82	10.74	11.50
100	CP-OFDM 64QAM	1	1	10.36	10.36	10.23	11.00
100	CP-OFDM 256QAM	1	1	7.15	7.15	7.05	8.00
Channel				508200	518598	528996	Tune-up limit
Frequency (MHz)				2541	2592.99	2644.98	
90	DFT-s-OFDM QPSK	1	1	10.67	10.66	10.48	12.00
Channel				507204	518598	529998	Tune-up limit
Frequency (MHz)				2536.02	2592.99	2649.99	
80	DFT-s-OFDM QPSK	1	1	10.70	10.73	10.51	12.00
Channel				506202	518598	531000	Tune-up limit
Frequency (MHz)				2531.01	2592.99	2655	
70	DFT-s-OFDM QPSK	1	1	10.73	10.81	10.54	12.00
Channel				505200	518598	531996	Tune-up limit
Frequency (MHz)				2526	2592.99	2659.98	
60	DFT-s-OFDM QPSK	1	1	10.24	10.74	10.67	12.00
Channel				504204	518598	532998	Tune-up limit
Frequency (MHz)				2521.02	2592.99	2664.99	
50	DFT-s-OFDM QPSK	1	1	10.42	10.83	10.72	12.00
Channel				503202	518598	534000	Tune-up limit
Frequency (MHz)				2516.01	2592.99	2670	
40	DFT-s-OFDM QPSK	1	1	10.83	10.75	10.69	12.00
Channel				502200	518598	534996	Tune-up limit
Frequency (MHz)				2511	2592.99	2674.98	
30	DFT-s-OFDM QPSK	1	1	10.77	10.71	10.58	12.00
Channel				501204	518598	535998	Tune-up limit
Frequency (MHz)				2506.02	2592.99	2679.99	
20	DFT-s-OFDM QPSK	1	1	10.74	10.82	10.83	12.00

B2_n66

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				346000	349000	352000	17.00
Frequency (MHz)				1730	1745	1760	
40	DFT-s-OFDM PI/2 BPSK	1	1	16.05	16.04	15.99	17.00
40		1	108	16.03	16.17	16.10	
40		1	214	16.17	16.12	16.02	
40		108	1	15.82	15.83	15.89	17.00
40		108	54	16.14	16.14	16.06	
40		108	108	15.77	15.88	15.83	
40		216	0	15.78	15.82	15.87	
40	DFT-s-OFDM QPSK	1	1	16.12	16.18	16.19	17.00
40		1	108	15.98	16.06	16.01	
40		1	214	16.10	16.08	15.96	
40		108	1	15.32	15.28	15.36	17.00
40		108	54	16.06	16.01	16.11	
40		108	108	15.24	15.34	15.30	
40		216	0	15.33	15.30	15.36	
40	DFT-s-OFDM 16QAM	1	1	15.34	15.32	15.25	16.00
40	DFT-s-OFDM 64QAM	1	1	13.53	13.56	13.49	14.50
40	DFT-s-OFDM 256QAM	1	1	11.75	11.71	11.65	12.50
40	CP-OFDM QPSK	1	1	14.60	14.57	14.48	15.50
40	CP-OFDM 16QAM	1	1	14.44	14.38	14.32	15.00
40	CP-OFDM 64QAM	1	1	12.45	12.42	12.38	13.50
40	CP-OFDM 256QAM	1	1	9.80	9.79	9.76	10.50
Channel				345000	349000	353000	17.00
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM QPSK	1	1	16.00	15.96	16.01	17.00
Channel				344000	349000	354000	17.00
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	16.03	15.98	15.94	17.00
Channel				343500	349000	354500	17.00
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	16.05	16.00	15.92	17.00
Channel				343000	349000	355000	17.00
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	16.11	16.05	16.11	17.00
Channel				342500	349000	355500	17.00
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	16.08	16.06	16.10	17.00

B12_n66							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				346000	349000	352000	17.00
Frequency (MHz)				1730	1745	1760	
40	DFT-s-OFDM PI/2 BPSK	1	1	16.03	16.02	15.96	17.00
40		1	108	16.02	16.14	16.06	
40		1	214	16.12	16.12	16.00	
40		108	1	15.81	15.80	15.82	17.00
40		108	54	16.13	16.12	16.17	
40		108	108	15.76	15.87	15.76	
40		216	0	15.76	15.76	15.84	
40	DFT-s-OFDM QPSK	1	1	16.08	16.06	16.19	17.00
40		1	108	15.97	16.04	15.98	
40		1	214	16.02	16.03	15.97	
40		108	1	15.33	15.30	15.35	17.00
40		108	54	16.02	16.05	16.11	
40		108	108	15.24	15.36	15.25	
40		216	0	15.26	15.24	15.37	
40	DFT-s-OFDM 16QAM	1	1	15.32	15.28	15.22	16.00
40	DFT-s-OFDM 64QAM	1	1	13.51	13.53	13.47	14.50
40	DFT-s-OFDM 256QAM	1	1	11.74	11.69	11.63	12.50
40	CP-OFDM QPSK	1	1	14.56	14.54	14.47	15.50
40	CP-OFDM 16QAM	1	1	14.44	14.37	14.30	15.00
40	CP-OFDM 64QAM	1	1	12.46	12.39	12.34	13.50
40	CP-OFDM 256QAM	1	1	9.80	9.76	9.69	10.50
Channel				345000	349000	353000	17.00
Frequency (MHz)				1725	1745	1765	
30	DFT-s-OFDM QPSK	1	1	15.99	15.93	15.97	17.00
Channel				344000	349000	354000	17.00
Frequency (MHz)				1720	1745	1770	
20	DFT-s-OFDM QPSK	1	1	16.00	15.95	15.93	17.00
Channel				343500	349000	354500	17.00
Frequency (MHz)				1717.5	1745	1772.5	
15	DFT-s-OFDM QPSK	1	1	16.03	15.98	15.91	17.00
Channel				343000	349000	355000	17.00
Frequency (MHz)				1715	1745	1775	
10	DFT-s-OFDM QPSK	1	1	16.02	16.06	16.08	17.00
Channel				342500	349000	355500	17.00
Frequency (MHz)				1712.5	1745	1777.5	
5	DFT-s-OFDM QPSK	1	1	16.03	16.08	16.09	17.00

B2_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		11.00
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		10.00		11.00
100		1	136		9.63		
100		1	271		9.51		
100		135	1		9.42		10.50
100		135	67		9.76		
100		135	136		8.88		
100		270	0		9.34		
100	DFT-s-OFDM QPSK	1	1		10.04		11.00
100		1	136		9.63		
100		1	271		9.48		
100		135	1		8.92		10.50
100		135	67		9.71		
100		135	136		8.39		
100		270	0		8.83		
100	DFT-s-OFDM 16QAM	1	1		9.25		10.00
100	DFT-s-OFDM 64QAM	1	1		7.83		9.00
100	DFT-s-OFDM 256QAM	1	1		5.47		6.50
100	CP-OFDM QPSK	1	1		8.61		9.50
100	CP-OFDM 16QAM	1	1		8.11		9.00
100	CP-OFDM 64QAM	1	1		6.73		7.50
100	CP-OFDM 256QAM	1	1		3.45		4.50
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.92	9.82	9.82	11.00
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	9.94	9.89	9.81	11.00
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	9.98	9.83	9.73	11.00
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	10.00	9.96	9.82	11.00
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	9.96	9.96	9.80	11.00
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.98	9.89	9.95	11.00
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	10.00	9.96	9.67	11.00
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.87	10.01	9.60	11.00

B2_n77(3450-3550MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		10.50
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		9.61		10.50
100		1	136		9.30		
100		1	271		9.13		
100		135	1		9.58		10.50
100		135	67		9.42		
100		135	136		8.92		
100		270	0		9.39		
100	DFT-s-OFDM QPSK	1	1		9.83		10.50
100		1	136		9.30		
100		1	271		9.17		
100		135	1		9.65		10.50
100		135	67		9.41		
100		135	136		8.91		
100		270	0		9.42		
100	DFT-s-OFDM 16QAM	1	1		9.77		10.50
100	DFT-s-OFDM 64QAM	1	1		9.79		10.50
100	DFT-s-OFDM 256QAM	1	1		8.05		9.00
100	CP-OFDM QPSK	1	1		9.69		10.50
100	CP-OFDM 16QAM	1	1		9.76		10.50
100	CP-OFDM 64QAM	1	1		9.26		10.00
100	CP-OFDM 256QAM	1	1		5.98		7.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.67	9.51	9.54	10.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	9.67	9.56	9.51	10.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3471.01	3486.01	3500.98	
70	DFT-s-OFDM QPSK	1	1	9.65	9.55	9.44	10.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	9.71	9.63	9.43	10.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	9.69	9.64	9.48	10.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.64	9.59	9.68	10.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	9.61	9.59	9.41	10.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.56	9.68	9.27	10.50

B2_n77(3700-3980MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	10.50
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.40	9.45	9.61	10.50
100		1	136	9.74	9.75	9.34	
100		1	271	9.46	9.74	9.66	
100		135	1	9.47	9.11	9.18	10.50
100		135	67	9.68	9.83	9.43	
100		135	136	9.05	9.08	9.15	
100		270	0	9.17	9.43	9.07	10.50
100	DFT-s-OFDM QPSK	1	1	9.34	9.43	9.61	
100		1	136	9.76	9.85	9.79	
100		1	271	9.46	9.76	9.55	
100		135	1	8.99	8.59	8.70	10.50
100		135	67	9.66	9.81	9.36	
100		135	136	8.56	8.53	8.62	
100		270	0	8.71	8.90	8.56	
100	DFT-s-OFDM 16QAM	1	1	8.63	8.68	8.82	9.50
100	DFT-s-OFDM 64QAM	1	1	7.18	7.35	7.44	8.50
100	DFT-s-OFDM 256QAM	1	1	4.85	4.95	5.11	6.00
100	CP-OFDM QPSK	1	1	8.03	8.12	8.23	9.00
100	CP-OFDM 16QAM	1	1	7.68	7.65	7.86	8.50
100	CP-OFDM 64QAM	1	1	6.15	6.17	6.30	7.00
100	CP-OFDM 256QAM	1	1	2.83	2.99	3.06	4.00
Channel				649666	656000	662332	10.50
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.40	9.35	9.63	10.50
Channel				649334	656000	662666	10.50
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.38	9.55	9.63	10.50
Channel				649000	656000	663000	10.50
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.41	9.55	9.49	10.50
Channel				648668	656000	663332	10.50
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.48	9.62	9.31	10.50
Channel				648334	656000	663666	10.50
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.52	9.61	9.43	10.50
Channel				648000	656000	664000	10.50
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	9.42	9.77	9.80	10.50
Channel				647668	656000	664332	10.50
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.37	9.80	9.84	10.50
Channel				647334	656000	664666	10.50
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.72	9.79	9.82	10.50

B2_n77(3700-3980MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.52	9.67	9.77	11.00
100		1	136	9.88	9.89	9.49	
100		1	271	9.63	9.94	9.69	
100		135	1	10.03	9.63	9.69	11.00
100		135	67	9.78	10.00	9.57	
100		135	136	9.67	9.63	9.68	
100		270	0	9.76	9.92	9.59	
100	DFT-s-OFDM QPSK	1	1	9.97	10.09	10.02	11.00
100		1	136	9.84	9.93	9.43	
100		1	271	9.57	9.89	9.74	
100		135	1	9.78	9.91	9.76	11.00
100		135	67	9.98	10.01	9.89	
100		135	136	9.60	9.59	9.67	
100		270	0	9.70	10.01	9.55	
100	DFT-s-OFDM 16QAM	1	1	9.64	9.67	9.85	10.50
100	DFT-s-OFDM 64QAM	1	1	9.65	9.85	9.94	10.50
100	DFT-s-OFDM 256QAM	1	1	7.99	8.04	8.17	9.00
100	CP-OFDM QPSK	1	1	9.57	9.64	9.80	10.50
100	CP-OFDM 16QAM	1	1	9.65	9.73	9.92	10.50
100	CP-OFDM 64QAM	1	1	9.14	9.19	9.34	10.00
100	CP-OFDM 256QAM	1	1	5.82	5.93	6.09	7.00
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.50	9.58	9.81	11.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.59	9.72	9.74	11.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.57	9.69	9.64	11.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.55	9.75	9.46	11.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.69	9.76	9.56	11.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	9.57	10.05	9.94	11.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.53	10.01	9.95	11.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.78	10.02	9.97	11.00

B5_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		9.95		11.00
100		1	136		9.62		
100		1	271		9.52		
100		135	1		9.45		10.50
100		135	67		9.73		
100		135	136		8.91		
100		270	0		9.38		
100	DFT-s-OFDM QPSK	1	1		9.99		11.00
100		1	136		9.60		
100		1	271		9.48		
100		135	1		8.98		10.50
100		135	67		9.72		
100		135	136		8.38		
100		270	0		8.86		
100	DFT-s-OFDM 16QAM	1	1		9.16		10.00
100	DFT-s-OFDM 64QAM	1	1		7.80		8.50
100	DFT-s-OFDM 256QAM	1	1		5.44		6.50
100	CP-OFDM QPSK	1	1		8.63		9.50
100	CP-OFDM 16QAM	1	1		8.15		9.00
100	CP-OFDM 64QAM	1	1		6.71		7.50
100	CP-OFDM 256QAM	1	1		3.76		4.50
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.89	9.86	9.81	11.00
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	9.95	9.87	9.83	11.00
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	9.85	9.83	9.76	11.00
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	9.86	9.91	9.80	11.00
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	9.88	9.90	9.79	11.00
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.91	9.89	9.90	11.00
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	9.89	9.75	9.72	11.00
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.87	9.84	9.60	11.00

B5_n77(3450-3550MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		9.66		10.50
100		1	136		9.30		
100		1	271		9.19		
100		135	1		9.52		10.50
100		135	67		9.42		
100		135	136		8.98		
100		270	0		9.40		
100	DFT-s-OFDM QPSK	1	1		9.81		10.50
100		1	136		9.34		
100		1	271		9.15		
100		135	1		9.66		10.50
100		135	67		9.46		
100		135	136		9.03		
100		270	0		9.41		
100	DFT-s-OFDM 16QAM	1	1		9.69		10.50
100	DFT-s-OFDM 64QAM	1	1		9.78		10.50
100	DFT-s-OFDM 256QAM	1	1		8.12		9.00
100	CP-OFDM QPSK	1	1		9.67		10.50
100	CP-OFDM 16QAM	1	1		9.68		10.50
100	CP-OFDM 64QAM	1	1		9.24		10.00
100	CP-OFDM 256QAM	1	1		6.18		7.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.56	9.55	9.53	10.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	9.60	9.52	9.49	10.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	9.67	9.48	9.42	10.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	9.68	9.59	9.43	10.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	9.61	9.60	9.45	10.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.77	9.63	9.62	10.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	9.59	9.74	9.33	10.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.68	9.62	9.22	10.50

B5_n77(3700-3980MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	10.50
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.46	9.46	9.60	10.50
100		1	136	9.75	9.78	9.32	
100		1	271	9.50	9.74	9.63	
100		135	1	9.46	9.11	9.20	10.50
100		135	67	9.68	9.82	9.43	
100		135	136	9.08	9.09	9.14	
100		270	0	9.20	9.42	9.06	
100	DFT-s-OFDM QPSK	1	1	9.37	9.46	9.61	10.50
100		1	136	9.78	9.84	9.76	
100		1	271	9.42	9.75	9.62	
100		135	1	9.01	8.61	8.69	10.50
100		135	67	9.67	9.80	9.38	
100		135	136	8.57	8.60	8.63	
100		270	0	8.73	8.90	8.56	
100	DFT-s-OFDM 16QAM	1	1	8.56	8.55	8.81	9.50
100	DFT-s-OFDM 64QAM	1	1	7.22	7.29	7.24	8.00
100	DFT-s-OFDM 256QAM	1	1	4.88	4.88	5.29	6.00
100	CP-OFDM QPSK	1	1	8.03	8.14	8.31	9.00
100	CP-OFDM 16QAM	1	1	7.66	7.67	7.77	8.50
100	CP-OFDM 64QAM	1	1	6.13	6.18	6.26	7.00
100	CP-OFDM 256QAM	1	1	2.89	2.92	3.25	4.00
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.33	9.43	9.65	10.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.39	9.52	9.59	10.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.42	9.54	9.46	10.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.47	9.54	9.32	10.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.52	9.62	9.43	10.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	6.75	6.80	9.77	10.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.72	9.79	9.77	10.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.69	9.74	9.81	10.50

B5_n77(3700-3980MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	11.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.52	9.59	9.72	11.00
100		1	136	9.77	9.81	9.39	
100		1	271	9.57	9.87	9.72	
100		135	1	9.94	9.55	9.66	11.00
100		135	67	9.72	9.89	9.47	
100		135	136	9.56	9.58	9.66	
100		270	0	9.67	9.88	9.55	
100	DFT-s-OFDM QPSK	1	1	9.50	9.56	9.70	11.00
100		1	136	9.91	9.97	9.86	
100		1	271	9.51	9.82	9.74	
100		135	1	9.86	9.95	9.76	11.00
100		135	67	9.77	9.91	9.50	
100		135	136	9.51	9.54	9.67	
100		270	0	9.89	9.94	9.85	
100	DFT-s-OFDM 16QAM	1	1	9.61	9.54	9.88	10.50
100	DFT-s-OFDM 64QAM	1	1	9.68	9.58	9.93	10.50
100	DFT-s-OFDM 256QAM	1	1	7.82	8.13	8.11	9.00
100	CP-OFDM QPSK	1	1	9.55	9.56	9.80	10.50
100	CP-OFDM 16QAM	1	1	9.56	9.53	9.81	10.50
100	CP-OFDM 64QAM	1	1	9.06	9.08	9.33	10.00
100	CP-OFDM 256QAM	1	1	5.78	5.87	6.01	7.00
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.43	9.49	9.70	11.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.51	9.63	9.66	11.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.54	9.62	9.54	11.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.54	9.71	9.38	11.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.65	9.73	9.50	11.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	9.97	10.08	9.93	11.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.86	9.96	9.94	11.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.82	10.02	9.95	11.00

B12_n77(3450-3550MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		9.98		11.00
100		1	136		9.62		
100		1	271		9.53		
100		135	1		9.44		10.50
100		135	67		9.75		
100		135	136		8.90		
100		270	0		9.39		
100	DFT-s-OFDM QPSK	1	1		10.07		11.00
100		1	136		9.62		
100		1	271		9.47		
100		135	1		8.90		10.50
100		135	67		9.74		
100		135	136		8.34		
100		270	0		8.86		
100	DFT-s-OFDM 16QAM	1	1		9.19		10.00
100	DFT-s-OFDM 64QAM	1	1		7.81		8.50
100	DFT-s-OFDM 256QAM	1	1		5.47		6.50
100	CP-OFDM QPSK	1	1		8.63		9.50
100	CP-OFDM 16QAM	1	1		8.13		9.00
100	CP-OFDM 64QAM	1	1		6.69		7.50
100	CP-OFDM 256QAM	1	1		3.55		4.50
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.92	9.89	9.81	11.00
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	9.97	9.87	9.82	11.00
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	9.96	9.85	9.76	11.00
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	9.99	9.94	9.80	11.00
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	10.01	9.97	9.79	11.00
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.99	9.87	9.97	11.00
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	10.01	9.96	9.74	11.00
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.98	9.91	9.60	11.00

B12_n77(3450-3550MHz) (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		9.65		11.00
100		1	136		9.30		
100		1	271		9.16		
100		135	1		9.50		10.50
100		135	67		9.43		
100		135	136		8.95		
100		270	0		9.40		
100	DFT-s-OFDM QPSK	1	1		9.95		11.00
100		1	136		9.31		
100		1	271		9.13		
100		135	1		9.58		10.50
100		135	67		9.44		
100		135	136		8.91		
100		270	0		9.43		
100	DFT-s-OFDM 16QAM	1	1		9.74		10.50
100	DFT-s-OFDM 64QAM	1	1		9.84		10.50
100	DFT-s-OFDM 256QAM	1	1		8.03		9.00
100	CP-OFDM QPSK	1	1		9.63		10.50
100	CP-OFDM 16QAM	1	1		9.72		10.50
100	CP-OFDM 64QAM	1	1		9.30		10.00
100	CP-OFDM 256QAM	1	1		5.95		7.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.56	9.53	9.55	11.00
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	9.63	9.52	9.58	11.00
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	9.73	9.53	9.47	11.00
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	9.80	9.64	9.47	11.00
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	9.85	9.61	9.50	11.00
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.81	9.85	9.62	11.00
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	9.83	9.77	9.41	11.00
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.73	9.71	9.26	11.00

B12_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	10.50
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.42	9.46	9.65	10.50
100		1	136	9.72	9.74	9.29	
100		1	271	9.46	9.77	9.65	
100		135	1	9.45	9.07	9.18	10.50
100		135	67	9.67	9.83	9.42	
100		135	136	9.03	9.07	9.13	
100		270	0	9.19	9.45	9.05	10.50
100	DFT-s-OFDM QPSK	1	1	9.40	9.43	9.61	
100		1	136	9.84	9.86	9.78	
100		1	271	9.35	9.77	9.58	
100		135	1	8.96	8.57	8.66	10.50
100		135	67	9.62	9.79	9.37	
100		135	136	8.54	8.59	8.61	
100		270	0	8.66	8.92	8.52	
100	DFT-s-OFDM 16QAM	1	1	8.58	8.60	8.81	9.50
100	DFT-s-OFDM 64QAM	1	1	7.20	7.22	7.48	8.50
100	DFT-s-OFDM 256QAM	1	1	4.84	4.90	5.07	6.00
100	CP-OFDM QPSK	1	1	8.03	8.16	8.24	9.00
100	CP-OFDM 16QAM	1	1	7.62	7.65	7.79	8.50
100	CP-OFDM 64QAM	1	1	6.11	6.19	6.35	7.00
100	CP-OFDM 256QAM	1	1	2.88	2.92	3.12	4.00
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.40	9.41	9.68	10.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.42	9.53	9.60	10.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.43	9.55	9.48	10.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.43	9.57	9.34	10.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.56	9.63	9.46	10.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	9.78	9.81	9.80	10.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.74	9.68	9.79	10.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.70	9.75	9.69	10.50

B12_n77(3700-3980MHz) (PC3)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	Tune-up limit (dBm)
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.51	9.62	9.74	11.00
100		1	136	9.85	9.88	9.44	
100		1	271	9.60	9.91	9.74	
100		135	1	10.02	9.60	9.69	11.00
100		135	67	9.80	9.94	9.51	
100		135	136	9.57	9.60	9.69	
100		270	0	9.74	9.91	9.60	
100	DFT-s-OFDM QPSK	1	1	9.90	9.59	9.71	11.00
100		1	136	9.89	10.08	10.02	
100		1	271	9.56	9.87	9.72	
100		135	1	9.91	10.01	9.98	11.00
100		135	67	9.79	9.90	9.50	
100		135	136	9.59	9.57	9.61	
100		270	0	9.69	9.93	9.58	
100	DFT-s-OFDM 16QAM	1	1	9.63	9.67	9.79	10.50
100	DFT-s-OFDM 64QAM	1	1	9.74	9.81	9.96	10.50
100	DFT-s-OFDM 256QAM	1	1	7.89	8.01	8.09	9.00
100	CP-OFDM QPSK	1	1	9.60	9.57	9.77	10.50
100	CP-OFDM 16QAM	1	1	9.60	9.63	9.84	10.50
100	CP-OFDM 64QAM	1	1	9.18	9.17	9.33	10.00
100	CP-OFDM 256QAM	1	1	5.85	5.89	6.00	7.00
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.50	9.50	9.74	11.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.55	9.69	9.70	11.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.55	9.71	9.56	11.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.61	9.74	9.47	11.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.68	9.77	9.53	11.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	9.95	9.96	9.84	11.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.87	9.99	9.94	11.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.83	9.94	9.98	11.00

B66_n77(3450-3550MHz) (PC2)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		10.03		11.00
100		1	136		9.65		
100		1	271		9.56		
100		135	1		9.54		10.00
100		135	67		9.80		
100		135	136		8.97		
100		270	0		9.39		
100	DFT-s-OFDM QPSK	1	1		10.05		11.00
100		1	136		9.64		
100		1	271		9.53		
100		135	1		9.02		10.50
100		135	67		9.79		
100		135	136		8.41		
100		270	0		8.89		
100	DFT-s-OFDM 16QAM	1	1		9.18		10.00
100	DFT-s-OFDM 64QAM	1	1		7.83		8.50
100	DFT-s-OFDM 256QAM	1	1		5.47		6.50
100	CP-OFDM QPSK	1	1		8.66		9.50
100	CP-OFDM 16QAM	1	1		8.20		9.00
100	CP-OFDM 64QAM	1	1		6.80		7.50
100	CP-OFDM 256QAM	1	1		3.65		4.50
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.95	9.93	9.88	11.00
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	10.01	9.88	9.86	11.00
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	10.00	9.89	9.86	11.00
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	9.96	10.00	9.84	11.00
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	9.92	9.87	9.80	11.00
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.86	9.92	9.50	11.00
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	9.91	9.89	9.74	11.00
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.88	10.01	9.59	11.00

B66_n77(3450-3550MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel					633334		
Frequency (MHz)					3500.01		
100	DFT-s-OFDM PI/2 BPSK	1	1		9.67		10.50
100		1	136		9.24		
100		1	271		9.18		
100		135	1		9.50		10.50
100		135	67		9.42		
100		135	136		8.95		
100		270	0		9.36		
100	DFT-s-OFDM QPSK	1	1		9.76		10.50
100		1	136		9.28		
100		1	271		9.14		
100		135	1		9.63		10.50
100		135	67		9.38		
100		135	136		8.85		
100		270	0		9.39		
100	DFT-s-OFDM 16QAM	1	1		9.67		10.50
100	DFT-s-OFDM 64QAM	1	1		9.75		10.50
100	DFT-s-OFDM 256QAM	1	1		7.95		9.00
100	CP-OFDM QPSK	1	1		9.71		10.50
100	CP-OFDM 16QAM	1	1		9.66		10.50
100	CP-OFDM 64QAM	1	1		9.24		10.00
100	CP-OFDM 256QAM	1	1		6.04		7.00
Channel				633000	633334	633666	Tune-up limit
Frequency (MHz)				3495	3500.01	3504.99	
90	DFT-s-OFDM QPSK	1	1	9.56	9.53	9.52	10.50
Channel				632668	633334	634000	Tune-up limit
Frequency (MHz)				3490.02	3500.01	3510	
80	DFT-s-OFDM QPSK	1	1	9.64	9.55	9.59	10.50
Channel				632334	633334	634332	Tune-up limit
Frequency (MHz)				3485.01	3500.01	3514.98	
70	DFT-s-OFDM QPSK	1	1	9.65	9.50	9.45	10.50
Channel				632000	633334	634666	Tune-up limit
Frequency (MHz)				3480	3500.01	3519.99	
60	DFT-s-OFDM QPSK	1	1	9.62	9.64	9.43	10.50
Channel				631668	633334	635000	Tune-up limit
Frequency (MHz)				3475.02	3500.01	3525	
50	DFT-s-OFDM QPSK	1	1	9.67	9.56	9.45	10.50
Channel				631334	633334	635332	Tune-up limit
Frequency (MHz)				3470.01	3500.01	3529.98	
40	DFT-s-OFDM QPSK	1	1	9.57	9.62	9.14	10.50
Channel				631000	633334	635666	Tune-up limit
Frequency (MHz)				3465	3500.01	3534.99	
30	DFT-s-OFDM QPSK	1	1	9.51	9.65	9.41	10.50
Channel				630668	633334	636000	Tune-up limit
Frequency (MHz)				3460.02	3500.01	3540	
20	DFT-s-OFDM QPSK	1	1	9.59	9.67	9.22	10.50

B66_n77(3700-3980MHz) (PC2)

BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	10.50
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.47	9.50	9.68	10.50
100		1	136	9.79	9.81	9.37	
100		1	271	9.49	9.82	9.70	
100		135	1	9.54	9.13	9.27	10.50
100		135	67	9.74	9.76	9.48	
100		135	136	9.13	9.15	9.19	
100		270	0	9.28	9.48	9.11	
100	DFT-s-OFDM QPSK	1	1	9.43	9.50	9.64	10.50
100		1	136	9.74	9.88	9.34	
100		1	271	9.49	9.80	9.65	
100		135	1	9.02	8.62	8.69	10.50
100		135	67	9.69	9.83	9.41	
100		135	136	8.62	8.60	8.66	
100		270	0	8.76	8.96	8.60	
100	DFT-s-OFDM 16QAM	1	1	8.71	8.64	8.80	9.50
100	DFT-s-OFDM 64QAM	1	1	7.19	7.33	7.36	8.00
100	DFT-s-OFDM 256QAM	1	1	4.87	4.95	5.14	6.00
100	CP-OFDM QPSK	1	1	8.05	8.19	8.30	9.00
100	CP-OFDM 16QAM	1	1	7.67	7.62	7.75	8.50
100	CP-OFDM 64QAM	1	1	6.36	6.29	6.44	7.50
100	CP-OFDM 256QAM	1	1	3.01	2.98	3.10	4.00
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.40	9.51	9.70	10.50
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.41	9.58	9.63	10.50
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.46	9.60	9.50	10.50
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.45	9.65	8.91	10.50
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.57	9.59	9.42	10.50
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	9.74	9.78	9.83	10.50
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.73	9.79	9.77	10.50
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.72	9.77	9.75	10.50

B66_n77(3700-3980MHz) (PC3)							
BW [MHz]	Modulation	RB num	RB start	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				650000	656000	662000	11.00
Frequency (MHz)				3750	3840	3930	
100	DFT-s-OFDM PI/2 BPSK	1	1	9.49	9.59	9.77	11.00
100		1	136	9.82	9.85	9.47	
100		1	271	9.59	9.92	9.76	
100		135	1	9.94	9.61	9.70	11.00
100		135	67	9.72	9.93	9.51	
100		135	136	9.56	9.63	9.63	
100		270	0	9.73	9.93	9.61	
100	DFT-s-OFDM QPSK	1	1	9.44	9.57	9.74	11.00
100		1	136	9.93	9.98	9.84	
100		1	271	9.55	9.86	9.73	
100		135	1	9.83	9.58	9.67	11.00
100		135	67	9.84	9.92	9.91	
100		135	136	9.58	9.59	9.69	
100		270	0	9.71	9.94	9.60	
100	DFT-s-OFDM 16QAM	1	1	9.58	9.68	9.83	10.50
100	DFT-s-OFDM 64QAM	1	1	9.70	9.82	9.93	10.50
100	DFT-s-OFDM 256QAM	1	1	7.82	7.97	8.19	9.00
100	CP-OFDM QPSK	1	1	9.56	9.65	9.81	10.50
100	CP-OFDM 16QAM	1	1	9.67	9.72	9.82	10.50
100	CP-OFDM 64QAM	1	1	9.15	9.18	9.32	10.00
100	CP-OFDM 256QAM	1	1	5.86	5.99	6.13	7.00
Channel				649666	656000	662332	Tune-up limit
Frequency (MHz)				3744.99	3840	3934.98	
90	DFT-s-OFDM QPSK	1	1	9.51	9.51	9.76	11.00
Channel				649334	656000	662666	Tune-up limit
Frequency (MHz)				3740.01	3840	3939.99	
80	DFT-s-OFDM QPSK	1	1	9.58	9.69	9.68	11.00
Channel				649000	656000	663000	Tune-up limit
Frequency (MHz)				3735	3840	3945	
70	DFT-s-OFDM QPSK	1	1	9.58	9.69	9.62	11.00
Channel				648668	656000	663332	Tune-up limit
Frequency (MHz)				3730.02	3840	3949.98	
60	DFT-s-OFDM QPSK	1	1	9.54	9.71	8.89	11.00
Channel				648334	656000	663666	Tune-up limit
Frequency (MHz)				3725.01	3840	3954.99	
50	DFT-s-OFDM QPSK	1	1	9.69	9.73	9.51	11.00
Channel				648000	656000	664000	Tune-up limit
Frequency (MHz)				3720	3840	3960	
40	DFT-s-OFDM QPSK	1	1	9.89	9.87	9.90	11.00
Channel				647668	656000	664332	Tune-up limit
Frequency (MHz)				3715.02	3840	3964.98	
30	DFT-s-OFDM QPSK	1	1	9.81	9.91	9.85	11.00
Channel				647334	656000	664666	Tune-up limit
Frequency (MHz)				3710.01	3840	3969.99	
20	DFT-s-OFDM QPSK	1	1	9.84	9.92	9.69	11.00