



Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel	9262	9400	9538	1312		1413	1513	4132		4182	4233		
Rx Channel	9662	9800	9938	1537		1638	1738	4357		4407	4458		
Frequency (MHz)	1852.4	1880	1907.6	1712.4		1732.6	1752.6	826.4		836.4	846.6		
3GPP Rel 99	RMC 12.2Kbps	23.97	23.86	23.96	24.50	23.75	24.02	23.74	24.50	23.92	23.48	23.72	24.50
3GPP Rel 6	HSDPA Subtest-1	23.02	22.92	22.87	23.50	22.85	23.07	22.82	23.50	22.82	22.58	22.70	23.50
3GPP Rel 6	HSDPA Subtest-2	23.00	22.95	22.87	23.50	22.68	23.06	22.83	23.50	22.88	22.67	22.68	23.50
3GPP Rel 6	HSDPA Subtest-3	22.40	22.36	22.28	23.00	22.21	22.50	22.21	23.00	22.20	22.05	22.00	23.00
3GPP Rel 6	HSDPA Subtest-4	22.51	22.43	22.41	23.00	22.24	22.64	22.20	23.00	22.17	21.99	22.10	23.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.96	22.84	22.90	23.50	22.68	23.12	22.78	23.50	22.94	22.64	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.87	22.79	22.90	23.50	22.94	23.13	22.70	23.50	22.88	22.61	22.77	23.50
3GPP Rel 8	DC-HSDPA Subtest-3	22.43	22.30	22.24	23.00	22.30	22.61	22.13	23.00	22.21	21.99	22.08	23.00
3GPP Rel 8	DC-HSDPA Subtest-4	22.58	22.41	22.44	23.00	22.15	22.51	22.16	23.00	22.14	21.86	22.03	23.00
3GPP Rel 6	HSUPA Subtest-1	22.86	22.86	22.75	23.50	22.76	23.06	21.75	23.50	22.76	22.45	22.46	23.50
3GPP Rel 6	HSUPA Subtest-2	20.89	20.90	20.82	21.50	20.82	21.00	21.28	21.50	20.70	20.45	20.41	21.50
3GPP Rel 6	HSUPA Subtest-3	21.95	21.77	21.92	22.50	21.66	21.99	21.69	22.50	21.70	21.31	21.51	22.50
3GPP Rel 6	HSUPA Subtest-4	21.03	20.88	20.86	21.50	20.74	21.10	20.56	21.50	20.66	20.42	20.46	21.50
3GPP Rel 6	HSUPA Subtest-5	22.90	22.85	22.90	23.50	22.64	23.09	22.26	23.50	22.63	22.37	22.56	23.50



Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6	1712.4	1732.6	1752.6	826.4	836.4	846.6			
3GPP Rel 99	RMC 12.2Kbps	17.95	17.86	17.92	18.50	18.31	18.57	18.25	19.00	19.32	19.08	19.20	20.00
3GPP Rel 6	HSDPA Subtest-1	16.98	16.86	16.86	17.50	17.27	17.58	17.22	18.00	18.38	18.10	18.23	19.00
3GPP Rel 6	HSDPA Subtest-2	16.93	16.86	16.83	17.50	17.26	17.58	17.23	18.00	18.34	18.11	18.24	19.00
3GPP Rel 6	HSDPA Subtest-3	16.48	16.36	16.33	17.00	16.74	17.08	16.73	17.50	17.68	17.46	17.56	18.50
3GPP Rel 6	HSDPA Subtest-4	16.48	16.36	16.34	17.00	16.75	17.08	16.72	17.50	17.65	17.45	17.54	18.50
3GPP Rel 8	DC-HSDPA Subtest-1	17.00	16.86	16.83	17.50	17.20	17.54	17.30	18.00	18.34	18.12	18.29	19.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.96	16.76	16.92	17.50	17.35	17.55	17.29	18.00	18.32	18.01	18.25	19.00
3GPP Rel 8	DC-HSDPA Subtest-3	16.39	16.28	16.26	17.00	16.72	17.10	16.66	17.50	17.67	17.52	17.62	18.50
3GPP Rel 8	DC-HSDPA Subtest-4	16.55	16.45	16.44	17.00	16.74	16.99	16.75	17.50	17.72	17.45	17.54	18.50
3GPP Rel 6	HSUPA Subtest-1	16.96	16.85	16.82	17.50	17.22	17.54	16.18	18.00	18.17	17.90	17.97	19.00
3GPP Rel 6	HSUPA Subtest-2	14.99	14.85	14.84	15.50	15.23	15.54	15.75	16.00	16.15	15.89	15.98	17.00
3GPP Rel 6	HSUPA Subtest-3	15.98	15.83	15.85	16.50	16.23	16.54	16.29	17.00	17.12	16.88	16.96	18.00
3GPP Rel 6	HSUPA Subtest-4	14.99	14.86	14.85	15.50	15.23	15.54	15.02	16.00	16.13	15.88	15.98	17.00
3GPP Rel 6	HSUPA Subtest-5	17.00	16.80	16.80	17.50	17.20	17.50	16.80	18.00	18.10	17.90	18.00	19.00



Band 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				1870	1890	1910			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	23.46	23.30	23.20	24	0	
20	QPSK	1	49	23.24	23.35	23.16			
20	QPSK	1	99	23.27	23.17	23.03			
20	QPSK	50	0	22.46	22.45	22.28	23	1	
20	QPSK	50	24	22.50	22.40	22.26			
20	QPSK	50	50	22.36	22.46	22.31			
20	QPSK	100	0	22.50	22.28	22.21	23	1	
20	16QAM	1	0	22.89	22.75	22.43			
20	16QAM	1	49	22.83	22.57	22.49			
20	16QAM	1	99	22.39	22.57	22.28	22	2	
20	16QAM	50	0	21.43	21.26	21.24			
20	16QAM	50	24	21.44	21.46	21.23			
20	16QAM	50	50	21.42	21.38	21.18	22	2	
20	16QAM	100	0	21.41	21.42	21.11			
20	84QAM	1	0	21.53	21.54	21.40			
20	84QAM	1	49	21.57	21.41	21.44	22	2	
20	84QAM	1	99	21.47	21.45	21.27			
20	84QAM	50	0	20.36	20.43	20.19			
20	84QAM	50	24	20.55	20.35	20.25	21	3	
20	84QAM	50	50	20.48	20.40	20.22			
20	84QAM	100	0	20.46	20.26	20.14			
Channel				1875	1890	1915	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.31	23.27	23.19	24	0	
15	QPSK	1	37	23.21	23.21	23.15			
15	QPSK	1	74	23.10	23.14	22.93			
15	QPSK	36	0	22.34	22.41	22.11	23	1	
15	QPSK	36	20	22.51	22.29	22.11			
15	QPSK	36	39	22.34	22.39	22.26			
15	QPSK	75	0	22.38	22.30	22.25	23	1	
15	16QAM	1	0	22.56	22.60	22.41			
15	16QAM	1	37	22.58	22.62	22.40			
15	16QAM	1	74	22.35	22.47	22.26	22	2	
15	16QAM	36	0	21.32	21.14	21.26			
15	16QAM	36	20	21.40	21.28	21.07			
15	16QAM	36	39	21.43	21.36	21.26	22	2	
15	16QAM	75	0	21.33	21.42	21.10			
15	84QAM	1	0	21.57	21.42	21.23			
15	84QAM	1	37	21.41	21.42	21.34	22	2	
15	84QAM	1	74	21.35	21.51	21.30			
15	84QAM	36	0	20.43	20.24	20.16			
15	84QAM	36	20	20.51	20.45	20.24	21	3	
15	84QAM	36	39	20.48	20.51	20.26			
15	84QAM	75	0	20.42	20.41	20.07			
Channel				1860	1890	1915	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	23.27	23.28	23.27	24	0	
10	QPSK	1	25	23.24	23.30	23.14			
10	QPSK	1	49	23.08	23.24	22.92			
10	QPSK	25	0	22.39	22.19	22.06	23	1	
10	QPSK	25	12	22.47	22.23	22.16			
10	QPSK	25	25	22.47	22.44	22.22			
10	QPSK	50	0	22.60	22.21	22.09	23	1	
10	16QAM	1	0	22.55	22.56	22.42			
10	16QAM	1	25	22.70	22.40	22.43			
10	16QAM	1	49	22.35	22.46	22.34	22	2	
10	16QAM	25	0	21.37	21.46	21.16			
10	16QAM	25	12	21.44	21.43	21.18			
10	16QAM	25	25	21.34	21.43	21.15	22	2	
10	16QAM	50	0	21.36	21.37	21.07			
10	84QAM	1	0	21.82	21.39	21.31			
10	84QAM	1	25	21.34	21.41	21.27	22	2	
10	84QAM	1	49	21.30	21.45	21.46			
10	84QAM	25	0	20.37	20.26	20.30			
10	84QAM	25	12	20.60	20.26	20.08	21	3	
10	84QAM	25	25	20.51	20.46	20.33			
10	84QAM	50	0	20.39	20.29	20.27			
Channel				1825	1890	1915	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1822.5	1880	1907.5			
5	QPSK	1	0	23.34	23.27	23.25	24	0	
5	QPSK	1	12	23.22	23.28	23.08			
5	QPSK	1	24	23.25	23.05	22.92			
5	QPSK	12	0	22.34	22.32	22.10	23	1	
5	QPSK	12	7	22.37	22.36	22.08			
5	QPSK	12	13	22.45	22.38	22.28			
5	QPSK	25	0	22.44	22.30	22.26	23	1	
5	16QAM	1	0	22.62	22.64	22.45			
5	16QAM	1	12	22.53	22.56	22.39			
5	16QAM	1	24	22.48	22.61	22.23	22	2	
5	16QAM	12	0	21.44	21.35	21.17			
5	16QAM	12	7	21.47	21.30	21.26			
5	16QAM	12	13	21.34	21.44	21.26	22	2	
5	16QAM	25	0	21.41	21.18	21.16			
5	84QAM	1	0	21.43	21.44	21.36			
5	84QAM	1	12	21.46	21.36	21.30	22	2	
5	84QAM	1	24	21.48	21.27	21.33			
5	84QAM	12	0	20.42	20.23	20.14			
5	84QAM	12	7	20.57	20.39	20.07	21	3	
5	84QAM	12	13	20.46	20.41	20.19			
5	84QAM	25	0	20.52	20.35	20.22			
Channel				1815	1890	1915	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1812.5	1880	1902.5			
3	QPSK	1	0	23.32	23.28	23.19	24	0	
3	QPSK	1	8	23.32	23.22	23.04			
3	QPSK	1	14	23.05	23.13	23.06			
3	QPSK	8	0	22.39	22.35	22.08	23	1	
3	QPSK	8	4	22.35	22.38	22.13			
3	QPSK	8	7	22.45	22.35	22.16			
3	QPSK	15	0	22.44	22.38	22.06	23	1	
3	16QAM	1	0	22.61	22.71	22.50			
3	16QAM	1	8	22.49	22.56	22.52			
3	16QAM	1	14	22.31	22.57	22.32	22	2	
3	16QAM	8	0	21.33	21.27	21.17			
3	16QAM	8	4	21.52	21.42	21.15			
3	16QAM	8	7	21.44	21.41	21.26	22	2	
3	16QAM	15	0	21.41	21.43	21.17			
3	84QAM	1	0	21.45	21.50	21.19			
3	84QAM	1	8	21.40	21.51	21.41	22	2	
3	84QAM	1	14	21.30	21.51	21.25			
3	84QAM	8	0	20.42	20.38	20.25			
3	84QAM	8	4	20.45	20.26	20.12	21	3	
3	84QAM	8	7	20.43	20.41	20.25			
3	84QAM	15	0	20.38	20.26	20.24			
Channel				1807	1890	1913	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1800.7	1880	1909.3			
1.4	QPSK	1	0	23.37	23.26	23.29	24	0	
1.4	QPSK	1	3	23.26	23.19	23.16			
1.4	QPSK	1	5	23.19	23.24	23.02			
1.4	QPSK	3	0	23.28	23.11	23.16	23	1	
1.4	QPSK	3	1	23.33	23.18	23.03			
1.4	QPSK	3	3	23.08	23.09	22.83			
1.4	QPSK	6	0	22.41	22.34	22.02	23	1	
1.4	16QAM	1	0	22.38	22.22	22.13			
1.4	16QAM	1	3	22.45	22.45	22.33			
1.4	16QAM	1	5	22.55	22.21	22.03	23	1	
1.4	16QAM	3	0	22.67	22.56	22.49			
1.4	16QAM	3	1	22.47	22.42	22.44			
1.4	16QAM	3	3	22.38	22.44	22.34	22	2	
1.4	16QAM	6	0	21.29	21.30	21.24			
1.4	84QAM	1	0	21.40	21.32	21.08			
1.4	84QAM	1	3	21.41	21.42	21.28	22	2	
1.4	84QAM	1	5	21.48	21.31	21.22			
1.4	84QAM	3	0	21.56	21.55	21.39			
1.4	84QAM	3	1	21.51	21.32	21.41	21	3	
1.4	84QAM	3	3	21.41	21.44	21.33			
1.4	84QAM	6	0	20.36	20.17	20.09			



Band 2_MIMO2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18800	19100			
Frequency (MHz)				1860	1860	1900			
20	QPSK	1	0	23.42	23.68	23.81			
20	QPSK	1	48	23.41	23.67	23.78	24	0	
20	QPSK	1	99	23.32	23.51	23.68			
20	QPSK	50	0	22.39	22.68	22.81			
20	QPSK	50	24	22.36	22.66	22.76	23	1	
20	QPSK	50	50	22.33	22.60	22.74			
20	QPSK	100	0	22.39	22.68	22.75			
20	16QAM	1	0	21.35	21.66	21.76			
20	16QAM	1	48	22.36	22.60	22.78	23	1	
20	16QAM	1	99	22.34	22.63	22.77			
20	16QAM	50	0	21.32	21.65	21.75			
20	16QAM	50	24	21.36	21.63	21.75	22	2	
20	16QAM	50	50	21.38	21.66	21.75			
20	16QAM	100	0	21.35	21.66	21.76			
20	64QAM	1	0	21.40	21.66	21.78			
20	64QAM	1	48	21.34	21.66	21.78	22	2	
20	64QAM	1	99	21.38	21.64	21.81			
20	64QAM	50	0	20.35	20.64	20.72			
20	64QAM	50	24	20.36	20.60	20.73			
20	64QAM	50	50	20.41	20.59	20.81	21	3	
20	64QAM	100	0	20.41	20.68	20.76			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	23.40	23.69	23.71			
15	QPSK	1	37	23.40	23.69	23.73	24	0	
15	QPSK	1	74	23.24	23.45	23.60			
15	QPSK	36	0	22.29	22.68	22.80			
15	QPSK	36	20	22.33	22.59	22.65	23	1	
15	QPSK	36	39	22.23	22.53	22.64			
15	QPSK	75	0	22.32	22.58	22.75			
15	16QAM	1	0	22.42	22.64	22.76			
15	16QAM	1	37	22.31	22.62	22.75	23	1	
15	16QAM	1	74	22.24	22.58	22.69			
15	16QAM	36	0	21.32	21.66	21.73			
15	16QAM	36	20	21.36	21.56	21.74	22	2	
15	16QAM	36	39	21.32	21.64	21.70			
15	16QAM	75	0	21.35	21.60	21.75			
15	64QAM	1	0	21.32	21.61	21.69			
15	64QAM	1	37	21.28	21.61	21.72	22	2	
15	64QAM	1	74	21.28	21.63	21.77			
15	64QAM	36	0	20.27	20.54	20.63			
15	64QAM	36	20	20.26	20.54	20.73	21	3	
15	64QAM	36	39	20.32	20.52	20.76			
15	64QAM	75	0	20.35	20.68	20.69			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	23.38	23.63	23.74			
10	QPSK	1	25	23.32	23.67	23.68	24	0	
10	QPSK	1	49	23.23	23.43	23.62			
10	QPSK	25	0	22.31	22.62	22.72			
10	QPSK	25	12	22.33	22.56	22.75	23	1	
10	QPSK	25	25	22.27	22.62	22.74			
10	QPSK	50	0	22.30	22.67	22.66			
10	16QAM	1	0	22.38	22.54	22.74			
10	16QAM	1	25	22.34	22.60	22.68	23	1	
10	16QAM	1	49	22.26	22.58	22.69			
10	16QAM	25	0	21.23	21.55	21.65			
10	16QAM	25	12	21.27	21.63	21.67	22	2	
10	16QAM	25	25	21.32	21.56	21.68			
10	16QAM	50	0	21.29	21.64	21.72			
10	64QAM	1	0	21.31	21.63	21.74			
10	64QAM	1	25	21.24	21.64	21.77	22	2	
10	64QAM	1	49	21.36	21.54	21.74			
10	64QAM	25	0	20.30	20.58	20.70			
10	64QAM	25	12	20.30	20.55	20.71	21	3	
10	64QAM	25	25	20.35	20.63	20.73			
10	64QAM	50	0	20.34	20.64	20.73			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	23.36	23.61	23.79			
5	QPSK	1	12	23.34	23.66	23.71	24	0	
5	QPSK	1	24	23.31	23.46	23.64			
5	QPSK	12	0	22.29	22.63	22.74			
5	QPSK	12	7	22.33	22.64	22.72	23	1	
5	QPSK	12	13	22.27	22.53	22.74			
5	QPSK	25	0	22.36	22.64	22.67			
5	16QAM	1	0	22.34	22.56	22.74			
5	16QAM	1	12	22.29	22.51	22.66	23	1	
5	16QAM	1	24	22.27	22.58	22.76			
5	16QAM	12	0	21.24	21.57	21.66			
5	16QAM	12	7	21.33	21.62	21.75	22	2	
5	16QAM	12	13	21.37	21.69	21.68			
5	16QAM	25	0	21.27	21.57	21.73			
5	64QAM	1	0	21.35	21.69	21.77			
5	64QAM	1	12	21.26	21.56	21.71	22	2	
5	64QAM	1	24	21.31	21.64	21.80			
5	64QAM	12	0	20.25	20.57	20.68			
5	64QAM	12	7	20.27	20.50	20.63	21	3	
5	64QAM	12	13	20.33	20.59	20.81			
5	64QAM	25	0	20.40	20.68	20.72			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1906.5			
3	QPSK	1	0	23.38	23.60	23.72			
3	QPSK	1	8	23.36	23.58	23.73	24	0	
3	QPSK	1	14	23.26	23.41	23.60			
3	QPSK	8	0	22.32	22.63	22.80			
3	QPSK	8	4	22.35	22.56	22.67	23	1	
3	QPSK	8	7	22.30	22.51	22.68			
3	QPSK	15	0	22.38	22.59	22.72			
3	16QAM	1	0	22.37	22.54	22.81			
3	16QAM	1	8	22.36	22.54	22.75	23	1	
3	16QAM	1	14	22.34	22.61	22.69			
3	16QAM	8	0	21.27	21.57	21.73			
3	16QAM	8	4	21.34	21.57	21.74	22	2	
3	16QAM	8	7	21.28	21.59	21.68			
3	16QAM	15	0	21.33	21.62	21.72			
3	64QAM	1	0	21.30	21.57	21.71			
3	64QAM	1	8	21.24	21.61	21.71	22	2	
3	64QAM	1	14	21.34	21.63	21.78			
3	64QAM	8	0	20.33	20.55	20.63			
3	64QAM	8	4	20.27	20.52	20.72	21	3	
3	64QAM	8	7	20.40	20.49	20.74			
3	64QAM	15	0	20.40	20.67	20.67			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	23.35	23.63	23.72			
1.4	QPSK	1	3	23.35	23.63	23.76			
1.4	QPSK	1	5	23.31	23.50	23.61	24	0	
1.4	QPSK	3	0	23.34	23.67	23.78			
1.4	QPSK	3	1	23.25	23.63	23.76			
1.4	QPSK	3	3	23.21	23.45	23.58			
1.4	QPSK	6	0	22.36	22.66	22.69	23	1	
1.4	16QAM	1	0	22.37	22.62	22.73			
1.4	16QAM	1	3	22.29	22.53	22.75			
1.4	16QAM	1	5	22.26	22.59	22.77	23	1	
1.4	16QAM	3	0	22.30	22.54	22.69			
1.4	16QAM	3	1	22.20	22.53	22.65			
1.4	16QAM	3	3	22.24	22.55	22.71			
1.4	16QAM	6	0	21.32	21.66	21.73	22	2	
1.4	64QAM	1	0	21.31	21.64	21.69			
1.4	64QAM	1	3	21.26	21.66	21.77			
1.4	64QAM	1	5	21.37	21.64	21.73			
1.4	64QAM	3	0	21.27	21.57	21.63	22	2	
1.4	64QAM	3	1	21.19	21.66	21.76			
1.4	64QAM	3	3	21.27	21.64	21.65			
1.4	64QAM	6	0	20.40	20.63	20.76	21	3	



Band 4									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2050	2075	2030			
Frequency (MHz)				1720	1732.5	1745			
20	QPSK	1	0	23.62	23.53	23.57			
20	QPSK	1	48	23.34	23.49	23.16	24	0	
20	QPSK	1	99	23.56	23.20	23.13			
20	QPSK	50	0	22.72	22.58	22.64			
20	QPSK	50	24	22.54	22.48	22.51	23	1	
20	QPSK	50	50	22.61	22.35	22.34			
20	QPSK	100	0	22.88	22.68	22.48			
20	16QAM	1	0	22.77	22.76	22.86			
20	16QAM	1	48	22.89	22.77	22.68	23	1	
20	16QAM	1	99	22.86	22.49	22.45			
20	16QAM	50	0	21.71	21.63	21.60			
20	16QAM	50	24	21.67	21.51	21.40	22	2	
20	16QAM	50	50	21.62	21.45	21.24			
20	16QAM	100	0	21.89	21.61	21.53			
20	64QAM	1	0	21.83	21.87	21.70			
20	64QAM	1	48	21.80	21.68	21.39	22	2	
20	64QAM	1	99	21.65	21.50	21.30			
20	64QAM	50	0	20.59	20.68	20.57			
20	64QAM	50	24	20.56	20.60	20.39	21	3	
20	64QAM	50	50	20.36	20.41	20.22			
20	64QAM	100	0	20.75	20.59	20.42			
Channel				2025	2075	20325			
Frequency (MHz)				1717.5	1732.5	1747.5			
15	QPSK	1	0	23.46	23.47	23.43			
15	QPSK	1	37	23.29	23.28	23.15	24	0	
15	QPSK	1	74	23.45	23.09	23.04			
15	QPSK	36	0	22.54	22.50	22.65			
15	QPSK	36	20	22.58	22.55	22.48	23	1	
15	QPSK	36	39	22.64	22.28	22.16			
15	QPSK	75	0	22.62	22.63	22.34			
15	16QAM	1	0	22.79	22.75	22.84			
15	16QAM	1	37	22.75	22.67	22.45	23	1	
15	16QAM	1	74	22.86	22.47	22.39			
15	16QAM	36	0	21.94	21.61	21.68			
15	16QAM	36	20	21.80	21.57	21.44	22	2	
15	16QAM	36	39	21.61	21.53	21.15			
15	16QAM	75	0	21.54	21.40	21.36			
15	64QAM	1	0	21.78	21.66	21.81			
15	64QAM	1	37	21.54	21.56	21.36	22	2	
15	64QAM	1	74	21.71	21.47	21.37			
15	64QAM	36	0	20.56	20.71	20.58			
15	64QAM	36	20	20.63	20.53	20.49	21	3	
15	64QAM	36	39	20.59	20.55	20.17			
15	64QAM	75	0	20.57	20.48	20.38			
Channel				2000	2075	20350			
Frequency (MHz)				1715	1732.5	1750			
10	QPSK	1	0	23.34	23.38	23.61			
10	QPSK	1	25	23.22	23.39	23.16	24	0	
10	QPSK	1	49	23.43	23.04	22.97			
10	QPSK	25	0	22.60	22.48	22.52			
10	QPSK	25	12	22.45	22.46	22.45	23	1	
10	QPSK	25	25	22.48	22.34	22.18			
10	QPSK	50	0	22.63	22.47	22.38			
10	16QAM	1	0	22.75	22.84	22.74			
10	16QAM	1	25	22.65	22.84	22.50	23	1	
10	16QAM	1	49	22.77	22.43	22.46			
10	16QAM	25	0	21.58	21.63	21.66			
10	16QAM	25	12	21.52	21.47	21.48	22	2	
10	16QAM	25	25	21.62	21.49	21.20			
10	16QAM	50	0	21.56	21.45	21.37			
10	64QAM	1	0	21.70	21.49	21.74			
10	64QAM	1	25	21.57	21.57	21.30	22	2	
10	64QAM	1	49	21.63	21.40	21.27			
10	64QAM	25	0	20.44	20.56	20.54			
10	64QAM	25	12	20.73	20.54	20.38	21	3	
10	64QAM	25	25	20.55	20.53	20.31			
10	64QAM	50	0	20.55	20.64	20.56			
Channel				19975	2075	20375			
Frequency (MHz)				1712.5	1732.5	1752.5			
5	QPSK	1	0	23.54	23.36	23.48			
5	QPSK	1	12	23.34	23.35	23.06	24	0	
5	QPSK	1	24	23.35	23.11	22.95			
5	QPSK	12	0	22.67	22.52	22.44			
5	QPSK	12	7	22.60	22.56	22.44	23	1	
5	QPSK	12	13	22.58	22.47	22.19			
5	QPSK	25	0	22.54	22.69	22.35			
5	16QAM	1	0	22.77	22.75	22.65			
5	16QAM	1	12	22.67	22.66	22.54	23	1	
5	16QAM	1	24	22.88	22.49	22.42			
5	16QAM	12	0	21.61	21.73	21.57			
5	16QAM	12	7	21.56	21.51	21.56	22	2	
5	16QAM	12	13	21.64	21.44	21.34			
5	16QAM	25	0	21.50	21.37	21.39			
5	64QAM	1	0	21.66	21.46	21.73			
5	64QAM	1	12	21.60	21.51	21.33	22	2	
5	64QAM	1	24	21.57	21.27	21.29			
5	64QAM	12	0	20.73	20.56	20.62			
5	64QAM	12	7	20.54	20.64	20.44	21	3	
5	64QAM	12	13	20.59	20.46	20.29			
5	64QAM	25	0	20.61	20.68	20.30			
Channel				19955	2075	20385			
Frequency (MHz)				1711.5	1732.5	1753.5			
3	QPSK	1	0	23.43	23.46	23.58			
3	QPSK	1	8	23.33	23.42	23.09	24	0	
3	QPSK	1	14	23.45	23.17	23.04			
3	QPSK	8	0	22.56	22.50	22.56			
3	QPSK	8	4	22.48	22.50	22.38	23	1	
3	QPSK	8	7	22.55	22.45	22.28			
3	QPSK	15	0	22.84	22.44	22.31			
3	16QAM	1	0	22.81	22.68	22.70			
3	16QAM	1	8	22.73	22.81	22.45	23	1	
3	16QAM	1	14	22.86	22.51	22.34			
3	16QAM	8	0	21.63	21.68	21.62			
3	16QAM	8	4	21.66	21.45	21.49	22	2	
3	16QAM	8	7	21.52	21.47	21.11			
3	16QAM	15	0	21.58	21.47	21.46			
3	64QAM	1	0	21.69	21.50	21.69			
3	64QAM	1	8	21.62	21.49	21.44	22	2	
3	64QAM	1	14	21.59	21.38	21.33			
3	64QAM	8	0	20.54	20.56	20.65			
3	64QAM	8	4	20.56	20.63	20.39	21	3	
3	64QAM	8	7	20.42	20.42	20.34			
3	64QAM	15	0	20.64	20.57	20.45			
Channel				19957	2075	20390			
Frequency (MHz)				1710.7	1732.5	1754.3			
1.4	QPSK	1	0	23.56	23.49	23.59			
1.4	QPSK	1	3	23.42	23.27	23.13	24	0	
1.4	QPSK	1	5	23.48	23.16	23.01			
1.4	QPSK	3	0	22.47	22.43	22.37			
1.4	QPSK	3	1	23.35	23.28	23.08	23	1	
1.4	QPSK	3	3	23.35	23.02	22.96			
1.4	QPSK	6	0	22.56	22.59	22.59	23	1	
1.4	16QAM	1	0	22.45	22.43	22.34			
1.4	16QAM	1	3	22.45	22.31	22.16			
1.4	16QAM	1	5	22.48	22.59	22.28	23	1	
1.4	16QAM	3	0	22.75	22.86	22.68			
1.4	16QAM	3	1	22.96	22.71	22.52			
1.4	16QAM	3	3	22.77	22.41	22.29			
1.4	16QAM	6	0	21.51	21.65	21.64	22	2	
1.4	64QAM	1	0	21.74	21.48	21.55			
1.4	64QAM	1	3	21.60	21.48	21.11			
1.4	64QAM	1	5	21.50	21.45	21.32	22	2	
1.4	64QAM	3	0	21.69	21.59	21.76			
1.4	64QAM	3	1	21.59	21.62	21.42			
1.4	64QAM	3	3	21.69	21.39	21.21			
1.4	64QAM	6	0	20.69	20.60	20.31	21	3	



Band 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.76	23.83	23.82		
10	QPSK	1	25	23.51	23.51	23.55	24.5	0
10	QPSK	1	49	23.65	23.50	23.34		
10	QPSK	25	0	22.60	22.67	22.60		
10	QPSK	25	12	22.79	22.75	22.60	23.5	1
10	QPSK	25	25	22.71	22.81	22.74		
10	QPSK	50	0	22.73	22.69	22.63		
10	16QAM	1	0	22.97	23.08	23.00		
10	16QAM	1	25	22.90	22.99	22.83	23.5	1
10	16QAM	1	49	23.06	22.99	22.75		
10	16QAM	25	0	21.64	21.61	21.66		
10	16QAM	25	12	21.85	21.61	21.70	22.5	2
10	16QAM	25	25	21.68	21.59	21.68		
10	16QAM	50	0	21.74	21.55	21.70		
10	64QAM	1	0	21.88	21.85	21.77		
10	64QAM	1	25	21.90	21.96	21.83	22.5	2
10	64QAM	1	49	21.77	21.74	21.75		
10	64QAM	25	0	20.79	20.69	20.68		
10	64QAM	25	12	20.91	20.72	20.61	21.5	3
10	64QAM	25	25	20.86	20.76	20.68		
10	64QAM	50	0	20.70	20.70	20.75		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.73	23.43	23.56		
5	QPSK	1	12	23.45	23.49	23.44	24.5	0
5	QPSK	1	24	23.63	23.41	23.32		
5	QPSK	12	0	22.60	22.57	22.55		
5	QPSK	12	7	22.76	22.66	22.50	23.5	1
5	QPSK	12	13	22.81	22.81	22.69		
5	QPSK	25	0	22.67	22.68	22.56		
5	16QAM	1	0	22.91	23.06	22.99		
5	16QAM	1	12	22.94	22.92	22.79	23.5	1
5	16QAM	1	24	23.05	22.92	22.71		
5	16QAM	12	0	21.55	21.60	21.60		
5	16QAM	12	7	21.76	21.52	21.68	22.5	2
5	16QAM	12	13	21.67	21.50	21.63		
5	16QAM	25	0	21.69	21.48	21.70		
5	64QAM	1	0	21.79	21.77	21.74		
5	64QAM	1	12	21.86	21.86	21.75	22.5	2
5	64QAM	1	24	21.70	21.71	21.72		
5	64QAM	12	0	20.79	20.62	20.67		
5	64QAM	12	7	20.84	20.63	20.59	21.5	3
5	64QAM	12	13	20.76	20.76	20.66		
5	64QAM	25	0	20.65	20.61	20.69		
Channel				20415	20525	20635		
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.55	23.63	23.47		
3	QPSK	1	8	23.50	23.46	23.42	24.5	0
3	QPSK	1	14	23.58	23.40	23.41		
3	QPSK	8	0	22.66	22.65	22.57		
3	QPSK	8	4	22.70	22.70	22.54	23.5	1
3	QPSK	8	7	22.74	22.60	22.57		
3	QPSK	15	0	22.56	22.66	22.51		
3	16QAM	1	0	22.95	22.98	23.00		
3	16QAM	1	8	23.02	22.90	22.79	23.5	1
3	16QAM	1	14	22.79	22.81	22.89		
3	16QAM	8	0	21.69	21.62	21.53		
3	16QAM	8	4	21.81	21.69	21.49	22.5	2
3	16QAM	8	7	21.64	21.66	21.59		
3	16QAM	15	0	21.64	21.61	21.54		
3	64QAM	1	0	21.80	21.88	21.74		
3	64QAM	1	8	21.70	21.90	21.72	22.5	2
3	64QAM	1	14	21.90	21.68	21.71		
3	64QAM	8	0	20.56	20.74	20.62		
3	64QAM	8	4	20.66	20.61	20.56	21.5	3
3	64QAM	8	7	20.70	20.66	20.69		
3	64QAM	15	0	20.76	20.59	20.59		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.60	23.58	23.52		
1.4	QPSK	1	3	23.54	23.62	23.52	24.5	0
1.4	QPSK	1	5	23.47	23.52	23.26		
1.4	QPSK	3	0	23.50	23.64	23.58		
1.4	QPSK	3	1	23.44	23.40	23.46		
1.4	QPSK	3	3	23.35	23.36	23.27		
1.4	QPSK	6	0	22.62	22.64	22.60	23.5	1
1.4	16QAM	1	0	22.75	22.60	22.53		
1.4	16QAM	1	3	22.68	22.52	22.65		
1.4	16QAM	1	5	22.74	22.71	22.69	23.5	1
1.4	16QAM	3	0	22.98	22.88	22.82		
1.4	16QAM	3	1	22.95	22.99	22.92		
1.4	16QAM	3	3	22.93	22.81	22.93		
1.4	16QAM	6	0	21.55	21.53	21.61	22.5	2
1.4	64QAM	1	0	21.77	21.55	21.47		
1.4	64QAM	1	3	21.71	21.64	21.62		
1.4	64QAM	1	5	21.78	21.53	21.50		
1.4	64QAM	3	0	21.80	21.83	21.79	22.5	2
1.4	64QAM	3	1	21.85	21.84	21.87		
1.4	64QAM	3	3	21.72	21.63	21.67		
1.4	64QAM	6	0	20.77	20.68	20.52	21.5	3



Band 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.98	23.46	23.37		
20	QPSK	1	49	23.93	23.39	23.27	24	0
20	QPSK	1	99	23.48	23.42	23.30		
20	QPSK	50	0	22.81	22.80	22.67		
20	QPSK	50	24	22.71	22.74	22.63		
20	QPSK	50	50	22.67	22.68	22.60	23	1
20	QPSK	100	0	22.89	22.79	22.77		
20	16QAM	1	0	22.81	22.85	22.74		
20	16QAM	1	49	23.00	22.96	22.68	23	1
20	16QAM	1	99	22.85	22.99	22.74		
20	16QAM	50	0	21.69	21.74	21.74		
20	16QAM	50	24	21.80	21.82	21.72	22	2
20	16QAM	50	50	21.79	21.69	21.61		
20	16QAM	100	0	21.76	21.64	21.66		
20	64QAM	1	0	21.74	21.77	21.72		
20	64QAM	1	49	21.72	21.72	21.73	22	2
20	64QAM	1	99	21.98	21.84	21.83		
20	64QAM	50	0	20.81	20.76	20.74		
20	64QAM	50	24	20.83	20.78	20.67		
20	64QAM	50	50	20.81	20.85	20.83	21	3
20	64QAM	100	0	20.81	20.74	20.61		
Channel				20925	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.43	23.41	23.29		
15	QPSK	1	37	23.46	23.63	23.14	24	0
15	QPSK	1	74	23.47	23.44	23.20		
15	QPSK	36	0	22.72	22.69	22.74		
15	QPSK	36	20	22.74	22.70	22.46	23	1
15	QPSK	36	39	22.63	22.54	22.58		
15	QPSK	75	0	22.71	22.60	22.63		
15	16QAM	1	0	22.98	22.83	22.73		
15	16QAM	1	37	22.97	22.78	22.74	23	1
15	16QAM	1	74	22.85	22.77	22.61		
15	16QAM	36	0	21.70	21.69	21.64		
15	16QAM	36	20	21.83	21.81	21.60	22	2
15	16QAM	36	39	21.71	21.60	21.73		
15	16QAM	75	0	21.86	21.76	21.54		
15	64QAM	1	0	21.69	21.86	21.83		
15	64QAM	1	37	21.75	21.87	21.75	22	2
15	64QAM	1	74	21.83	21.77	21.71		
15	64QAM	36	0	20.70	20.77	20.61		
15	64QAM	36	20	20.70	20.72	20.75	21	3
15	64QAM	36	39	20.90	20.86	20.60		
15	64QAM	75	0	20.76	20.76	20.55		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.46	23.40	23.43		
10	QPSK	1	25	23.40	23.31	23.31	24	0
10	QPSK	1	49	23.49	23.42	23.10		
10	QPSK	25	0	22.68	22.68	22.56		
10	QPSK	25	12	22.48	22.68	22.54	23	1
10	QPSK	25	25	22.60	22.65	22.54		
10	QPSK	50	0	22.64	22.68	22.69		
10	16QAM	1	0	22.90	22.90	22.66		
10	16QAM	1	25	22.94	22.81	22.68	23	1
10	16QAM	1	49	22.81	23.00	22.68		
10	16QAM	25	0	21.65	21.69	21.73		
10	16QAM	25	12	21.83	21.72	21.84	22	2
10	16QAM	25	25	21.73	21.63	21.62		
10	16QAM	50	0	21.83	21.67	21.68		
10	64QAM	1	0	21.81	21.79	21.54		
10	64QAM	1	25	21.73	21.77	21.51	22	2
10	64QAM	1	49	21.96	21.80	21.80		
10	64QAM	25	0	20.77	20.76	20.70		
10	64QAM	25	12	20.90	20.61	20.70	21	3
10	64QAM	25	25	20.94	20.75	20.56		
10	64QAM	50	0	20.76	20.78	20.60		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.54	23.46	23.29		
5	QPSK	1	12	23.47	23.40	23.35	24	0
5	QPSK	1	24	23.50	23.43	23.22		
5	QPSK	12	0	22.68	22.60	22.55		
5	QPSK	12	7	22.55	22.59	22.63	23	1
5	QPSK	12	13	22.78	22.55	22.51		
5	QPSK	25	0	22.72	22.69	22.57		
5	16QAM	1	0	22.90	22.77	22.77		
5	16QAM	1	12	22.90	22.98	22.85	23	1
5	16QAM	1	24	22.92	22.95	22.61		
5	16QAM	12	0	21.75	21.65	21.72		
5	16QAM	12	7	21.63	21.75	21.70	22	2
5	16QAM	12	13	21.78	21.69	21.59		
5	16QAM	25	0	21.92	21.63	21.69		
5	64QAM	1	0	21.80	21.83	21.70		
5	64QAM	1	12	21.80	21.69	21.63	22	2
5	64QAM	1	24	21.97	21.80	21.61		
5	64QAM	12	0	20.80	20.79	20.59		
5	64QAM	12	7	20.94	20.79	20.69	21	3
5	64QAM	12	13	20.85	20.80	20.76		
5	64QAM	25	0	20.74	20.60	20.57		



Band 7_MIMO2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.86	23.46	23.15		
20	QPSK	1	49	23.83	23.46	23.15	24	0
20	QPSK	1	99	23.77	23.45	23.11		
20	QPSK	50	0	22.83	22.47	22.28		
20	QPSK	50	24	22.82	22.43	22.14	23	1
20	QPSK	50	50	22.82	22.26	22.10		
20	QPSK	100	0	22.84	22.44	22.11		
20	16QAM	1	0	22.79	22.43	22.08		
20	16QAM	1	49	22.76	22.42	22.15	23	1
20	16QAM	1	99	22.82	22.47	22.12		
20	16QAM	50	0	21.77	21.45	21.15		
20	16QAM	50	24	21.82	21.39	21.07	22	2
20	16QAM	50	50	21.84	21.38	21.06		
20	16QAM	100	0	21.77	21.40	21.10		
20	64QAM	1	0	21.83	21.42	21.08		
20	64QAM	1	49	21.85	21.44	21.13	22	2
20	64QAM	1	99	21.76	21.46	21.15		
20	64QAM	50	0	20.85	20.47	20.13		
20	64QAM	50	24	20.80	20.40	20.07	21	3
20	64QAM	50	50	20.83	20.42	20.07		
20	64QAM	100	0	20.85	20.43	20.09		
Channel				20925	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.85	23.46	23.10		
15	QPSK	1	37	23.75	23.39	23.07	24	0
15	QPSK	1	74	23.69	23.41	23.10		
15	QPSK	36	0	22.83	22.45	22.28		
15	QPSK	36	20	22.81	22.42	22.09	23	1
15	QPSK	36	39	22.76	22.21	22.07		
15	QPSK	75	0	22.74	22.37	22.07		
15	16QAM	1	0	22.77	22.40	22.02		
15	16QAM	1	37	22.76	22.39	22.09	23	1
15	16QAM	1	74	22.78	22.44	22.07		
15	16QAM	36	0	21.67	21.41	21.14		
15	16QAM	36	20	21.74	21.35	21.07	22	2
15	16QAM	36	39	21.76	21.32	21.06		
15	16QAM	75	0	21.71	21.38	21.10		
15	64QAM	1	0	21.80	21.38	21.03		
15	64QAM	1	37	21.83	21.35	21.08	22	2
15	64QAM	1	74	21.70	21.40	21.13		
15	64QAM	36	0	20.79	20.47	20.08		
15	64QAM	36	20	20.80	20.34	20.00	21	3
15	64QAM	36	39	20.78	20.39	20.02		
15	64QAM	75	0	20.78	20.39	20.04		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.77	23.44	23.14		
10	QPSK	1	25	23.75	23.45	23.11	24	0
10	QPSK	1	49	23.70	23.35	23.01		
10	QPSK	25	0	22.78	22.45	22.28		
10	QPSK	25	12	22.76	22.39	22.13	23	1
10	QPSK	25	25	22.77	22.24	22.03		
10	QPSK	50	0	22.76	22.40	22.10		
10	16QAM	1	0	22.73	22.37	22.02		
10	16QAM	1	25	22.73	22.37	22.08	23	1
10	16QAM	1	49	22.72	22.41	22.06		
10	16QAM	25	0	21.67	21.36	21.06		
10	16QAM	25	12	21.81	21.34	21.03	22	2
10	16QAM	25	25	21.76	21.39	21.05		
10	16QAM	50	0	21.71	21.35	21.07		
10	64QAM	1	0	21.80	21.42	21.05		
10	64QAM	1	25	21.85	21.38	21.10	22	2
10	64QAM	1	49	21.66	21.39	21.05		
10	64QAM	25	0	20.75	20.47	20.04		
10	64QAM	25	12	20.75	20.31	19.99	21	3
10	64QAM	25	25	20.76	20.41	20.06		
10	64QAM	50	0	20.85	20.38	20.08		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.76	23.44	23.06		
5	QPSK	1	12	23.82	23.44	23.13	24	0
5	QPSK	1	24	23.69	23.35	23.06		
5	QPSK	12	0	22.80	22.46	22.21		
5	QPSK	12	7	22.75	22.33	22.09	23	1
5	QPSK	12	13	22.74	22.20	22.07		
5	QPSK	25	0	22.81	22.42	22.05		
5	16QAM	1	0	22.70	22.38	22.07		
5	16QAM	1	12	22.75	22.42	22.05	23	1
5	16QAM	1	24	22.80	22.46	22.05		
5	16QAM	12	0	21.69	21.39	21.13		
5	16QAM	12	7	21.74	21.33	21.06	22	2
5	16QAM	12	13	21.79	21.36	21.05		
5	16QAM	25	0	21.76	21.32	21.00		
5	64QAM	1	0	21.82	21.32	20.98		
5	64QAM	1	12	21.80	21.35	21.04	22	2
5	64QAM	1	24	21.73	21.43	21.10		
5	64QAM	12	0	20.81	20.43	20.10		
5	64QAM	12	7	20.75	20.30	20.04	21	3
5	64QAM	12	13	20.75	20.38	20.04		
5	64QAM	25	0	20.80	20.36	19.99		



Band 12									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				2300	2305	2310			
Frequency (MHz)				704	707.5	711			
10	QPSK	1	0	23.33	23.30	23.20			
10	QPSK	1	25	23.29	23.24	23.26	24.5	0	
10	QPSK	1	49	23.19	23.29	23.29			
10	QPSK	25	0	22.45	22.39	22.36			
10	QPSK	25	12	22.50	22.36	22.47			
10	QPSK	25	25	22.45	22.34	22.82	23.5	1	
10	QPSK	50	0	22.50	22.49	22.47			
10	16QAM	1	0	22.71	22.72	22.59			
10	16QAM	1	25	22.69	22.66	22.74	23.5	1	
10	16QAM	1	49	22.76	22.84	22.81			
10	16QAM	25	0	21.43	21.42	21.38			
10	16QAM	25	12	21.50	21.50	21.49	22.5	2	
10	16QAM	25	25	21.45	21.48	21.61			
10	16QAM	50	0	21.50	21.48	21.45			
10	64QAM	1	0	21.57	21.52	21.44			
10	64QAM	1	25	21.63	21.60	21.60	22.5	2	
10	64QAM	1	49	21.69	21.74	21.77			
10	64QAM	25	0	20.47	20.45	20.41			
10	64QAM	25	12	20.55	20.51	20.51	21.5	3	
10	64QAM	25	25	20.56	20.57	20.63			
10	64QAM	50	0	20.53	20.54	20.45			
Channel				2305	23095	23155			
Frequency (MHz)				701.5	707.5	713.5			
5	QPSK	1	0	23.28	23.22	23.12			
5	QPSK	1	12	23.29	23.15	23.23	24.5	0	
5	QPSK	1	24	23.09	23.23	23.27			
5	QPSK	12	0	22.39	22.31	22.31			
5	QPSK	12	7	22.40	22.32	22.42	23.5	1	
5	QPSK	12	13	22.35	22.31	22.57			
5	QPSK	25	0	22.49	22.47	22.40			
5	16QAM	1	0	22.68	22.70	22.50			
5	16QAM	1	12	22.60	22.56	22.67	23.5	1	
5	16QAM	1	24	22.72	22.62	22.79			
5	16QAM	12	0	21.37	21.35	21.35			
5	16QAM	12	7	21.44	21.41	21.48	22.5	2	
5	16QAM	12	13	21.37	21.44	21.56			
5	16QAM	25	0	21.49	21.40	21.38			
5	64QAM	1	0	21.57	21.42	21.41			
5	64QAM	1	12	21.63	21.59	21.57	22.5	2	
5	64QAM	1	24	21.61	21.74	21.67			
5	64QAM	12	0	20.38	20.36	20.34			
5	64QAM	12	7	20.49	20.47	20.47	21.5	3	
5	64QAM	12	13	20.49	20.53	20.61			
5	64QAM	25	0	20.43	20.46	20.45			
Channel				23025	23095	23165			
Frequency (MHz)				700.5	707.5	714.5			
3	QPSK	1	0	23.29	23.22	23.18			
3	QPSK	1	8	23.26	23.20	23.17	24.5	0	
3	QPSK	1	14	23.10	23.20	23.22			
3	QPSK	8	0	22.40	22.37	22.31			
3	QPSK	8	4	22.42	22.27	22.41	23.5	1	
3	QPSK	8	7	22.39	22.30	22.57			
3	QPSK	15	0	22.41	22.40	22.46			
3	16QAM	1	0	22.67	22.72	22.50	23.5	1	
3	16QAM	1	8	22.69	22.58	22.65			
3	16QAM	1	14	22.75	22.83	22.77			
3	16QAM	8	0	21.36	21.38	21.36			
3	16QAM	8	4	21.49	21.47	21.40	22.5	2	
3	16QAM	8	7	21.43	21.46	21.52			
3	16QAM	15	0	21.41	21.44	21.39			
3	64QAM	1	0	21.49	21.50	21.38	22.5	2	
3	64QAM	1	8	21.55	21.60	21.53			
3	64QAM	1	14	21.59	21.68	21.76			
3	64QAM	8	0	20.46	20.44	20.34			
3	64QAM	8	4	20.53	20.51	20.46	21.5	3	
3	64QAM	8	7	20.48	20.53	20.59			
3	64QAM	15	0	20.44	20.46	20.46			
Channel				23017	23095	23173			
Frequency (MHz)				699.7	707.5	715.3			
1.4	QPSK	1	0	23.30	23.27	23.17			
1.4	QPSK	1	3	23.22	23.19	23.25	24.5	0	
1.4	QPSK	1	5	23.18	23.24	23.26			
1.4	QPSK	3	0	23.26	23.20	23.12			
1.4	QPSK	3	1	23.22	23.12	23.20			
1.4	QPSK	3	3	23.15	23.17	23.19	23.5	1	
1.4	QPSK	6	0	22.43	22.38	22.30			
1.4	16QAM	1	0	22.40	22.31	22.38			
1.4	16QAM	1	3	22.41	22.28	22.61	23.5	1	
1.4	16QAM	1	5	22.41	22.45	22.42			
1.4	16QAM	3	0	22.62	22.72	22.50			
1.4	16QAM	3	1	22.61	22.57	22.65			
1.4	16QAM	3	3	22.74	22.81	22.81	22.5	2	
1.4	16QAM	6	0	21.36	21.38	21.38			
1.4	64QAM	1	0	21.40	21.47	21.43			
1.4	64QAM	1	3	21.35	21.39	21.56	22.5	2	
1.4	64QAM	1	5	21.45	21.43	21.40			
1.4	64QAM	3	0	21.56	21.43	21.41			
1.4	64QAM	3	1	21.55	21.63	21.60			
1.4	64QAM	3	3	21.60	21.70	21.73	21.5	3	
1.4	64QAM	6	0	20.51	20.45	20.41			



Band 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				762					
10	QPSK	1	0		23.31				
10	QPSK	1	25		23.16		24.5	0	
10	QPSK	1	49		23.20				
10	QPSK	25	0		22.40				
10	QPSK	25	12		22.30		23.5	1	
10	QPSK	25	25		22.35				
10	QPSK	50	0		22.39				
10	16QAM	1	0		22.95				
10	16QAM	1	25		22.80		23.5	1	
10	16QAM	1	49		22.83				
10	16QAM	25	0		21.50				
10	16QAM	25	12		21.37		22.5	2	
10	16QAM	25	25		21.38				
10	16QAM	50	0		21.53				
10	64QAM	1	0		21.37				
10	64QAM	1	25		21.50		22.5	2	
10	64QAM	1	49		21.52				
10	64QAM	25	0		20.36				
10	64QAM	25	12		20.42		21.5	3	
10	64QAM	25	25		20.38				
10	64QAM	50	0		20.47				
Channel				23205		23230		23255	
Frequency (MHz)				779.5		792		784.5	
5	QPSK	1	0	23.27	23.29	23.17			
5	QPSK	1	12	23.13	23.01	23.08	24.5	0	
5	QPSK	1	24	23.16	23.13	23.21			
5	QPSK	12	0	22.26	22.25	22.30			
5	QPSK	12	7	22.25	22.21	22.19	23.5	1	
5	QPSK	12	13	22.27	22.41	22.22			
5	QPSK	25	0	22.39	22.40	22.18			
5	16QAM	1	0	22.65	22.53	22.63			
5	16QAM	1	12	22.67	22.54	22.53	23.5	1	
5	16QAM	1	24	22.57	22.56	22.41			
5	16QAM	12	0	21.46	21.45	21.30			
5	16QAM	12	7	21.32	21.23	21.45	22.5	2	
5	16QAM	12	13	21.30	21.35	21.39			
5	16QAM	25	0	21.41	21.49	21.31			
5	64QAM	1	0	21.42	21.32	21.33			
5	64QAM	1	12	21.44	21.50	21.43	22.5	2	
5	64QAM	1	24	21.41	21.52	21.42			
5	64QAM	12	0	20.32	20.30	20.30			
5	64QAM	12	7	20.38	20.38	20.37	21.5	3	
5	64QAM	12	13	20.40	20.25	20.48			
5	64QAM	25	0	20.21	20.36	20.28			



Band 14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23330				
Frequency (MHz)				793				
10	QPSK	1	0		23.42			
10	QPSK	1	25		23.23		24.5	0
10	QPSK	1	49		23.28			
10	QPSK	25	0		22.47			
10	QPSK	25	12		22.40		23.5	1
10	QPSK	25	25		22.33			
10	QPSK	50	0		22.37			
10	16QAM	1	0		22.61		23.5	1
10	16QAM	1	25		22.64			
10	16QAM	1	49		22.65			
10	16QAM	25	0		21.32			
10	16QAM	25	12		21.45		22.5	2
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.47			
10	64QAM	1	0		21.59		22.5	2
10	64QAM	1	25		21.57			
10	64QAM	1	49		21.68			
10	64QAM	25	0		20.49			
10	64QAM	25	12		20.51		21.5	3
10	64QAM	25	25		20.49			
10	64QAM	50	0		20.37			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	23.39	23.35	23.24		
5	QPSK	1	12	23.22	23.22	23.24	24.5	0
5	QPSK	1	24	23.27	23.26	23.25		
5	QPSK	12	0	22.43	22.55	22.37		
5	QPSK	12	7	22.28	22.31	22.30	23.5	1
5	QPSK	12	13	22.30	22.50	22.33		
5	QPSK	25	0	22.37	22.24	22.26		
5	16QAM	1	0	22.69	22.71	22.69		
5	16QAM	1	12	22.61	22.70	22.56	23.5	1
5	16QAM	1	24	22.67	22.56	22.71		
5	16QAM	12	0	21.21	21.32	21.26		
5	16QAM	12	7	21.31	21.27	21.39	22.5	2
5	16QAM	12	13	21.37	21.38	21.43		
5	16QAM	25	0	21.31	21.30	21.38		
5	64QAM	1	0	21.56	21.41	21.62		
5	64QAM	1	12	21.67	21.62	21.72	22.5	2
5	64QAM	1	24	21.44	21.68	21.47		
5	64QAM	12	0	20.46	20.46	20.37		
5	64QAM	12	7	20.31	20.34	20.52	21.5	3
5	64QAM	12	13	20.40	20.46	20.36		
5	64QAM	25	0	20.30	20.37	20.44		



Band 17								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23780	23790	23800		
Frequency (MHz)				709	710	711		
10	QPSK	1	0	23.30	23.20	23.26		
10	QPSK	1	25	23.28	23.14	23.25	24.5	0
10	QPSK	1	49	23.21	23.13	23.25		
10	QPSK	25	0	22.36	22.61	22.38		
10	QPSK	25	12	22.46	22.44	22.55	23.5	1
10	QPSK	25	25	22.59	22.56	22.67		
10	QPSK	50	0	22.48	22.44	22.54		
10	16QAM	1	0	22.88	22.83	22.86		
10	16QAM	1	25	22.67	22.63	22.77	23.5	1
10	16QAM	1	49	22.67	22.67	22.62		
10	16QAM	25	0	21.32	21.35	21.39		
10	16QAM	25	12	21.51	21.46	21.57	22.5	2
10	16QAM	25	25	21.57	21.47	21.56		
10	16QAM	50	0	21.46	21.43	21.54		
10	64QAM	1	0	21.90	21.48	21.49		
10	64QAM	1	25	21.62	21.57	21.70	22.5	2
10	64QAM	1	49	21.75	21.79	21.84		
10	64QAM	25	0	20.36	20.35	20.40		
10	64QAM	25	12	20.51	20.49	20.58	21.5	3
10	64QAM	25	25	20.38	20.57	20.69		
10	64QAM	50	0	20.48	20.46	20.56		
Channel				23755	23790	23825	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				706.5	710	713.5		
5	QPSK	1	0	23.25	23.16	23.23		
5	QPSK	1	12	23.27	23.08	23.21	24.5	0
5	QPSK	1	24	23.15	23.12	23.23		
5	QPSK	12	0	22.29	22.60	22.32		
5	QPSK	12	7	22.42	22.41	22.54	23.5	1
5	QPSK	12	13	22.53	22.58	22.59		
5	QPSK	25	0	22.46	22.41	22.53		
5	16QAM	1	0	22.60	22.61	22.63		
5	16QAM	1	12	22.67	22.61	22.71	23.5	1
5	16QAM	1	24	22.85	22.86	22.90		
5	16QAM	12	0	21.31	21.27	21.36		
5	16QAM	12	7	21.48	21.43	21.53	22.5	2
5	16QAM	12	13	21.47	21.47	21.50		
5	16QAM	25	0	21.39	21.41	21.51		
5	64QAM	1	0	21.48	21.43	21.44		
5	64QAM	1	12	21.52	21.53	21.66	22.5	2
5	64QAM	1	24	21.72	21.72	21.76		
5	64QAM	12	0	20.35	20.33	20.37		
5	64QAM	12	7	20.51	20.44	20.51	21.5	3
5	64QAM	12	13	20.50	20.51	20.59		
5	64QAM	25	0	20.40	20.41	20.47		



Band 25								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1860	1905		
20	QPSK	1	0	23.42	23.35	23.27		
20	QPSK	1	48	23.32	23.34	23.20	24	0
20	QPSK	1	99	23.35	23.13	23.08		
20	QPSK	50	0	22.68	22.47	22.39		
20	QPSK	50	24	22.67	22.45	22.36	23	1
20	QPSK	50	50	22.58	22.35	22.35		
20	QPSK	100	0	22.88	22.38	22.42		
20	16QAM	1	0	22.85	22.80	22.70		
20	16QAM	1	48	22.78	22.68	22.48	23	1
20	16QAM	1	99	22.53	22.68	22.53		
20	16QAM	50	0	21.60	21.34	21.33		
20	16QAM	50	24	21.62	21.55	21.48	22	2
20	16QAM	50	50	21.67	21.58	21.42		
20	16QAM	100	0	21.59	21.38	21.48		
20	64QAM	1	0	21.80	21.64	21.37		
20	64QAM	1	48	21.72	21.50	21.47	22	2
20	64QAM	1	99	21.72	21.64	21.46		
20	64QAM	50	0	20.70	20.37	20.38		
20	64QAM	50	24	20.51	20.56	20.51		
20	64QAM	50	50	20.66	20.40	20.31	21	3
20	64QAM	100	0	20.58	20.46	20.40		
Channel				26115	26340	26615		
Frequency (MHz)				1857.5	1860	1907.5		
15	QPSK	1	0	23.42	23.20	23.22		
15	QPSK	1	37	23.20	23.27	23.14	24	0
15	QPSK	1	74	23.24	23.11	23.21		
15	QPSK	36	0	22.51	22.38	22.30		
15	QPSK	36	20	22.50	22.48	22.35	23	1
15	QPSK	36	39	22.61	22.38	22.36		
15	QPSK	75	0	22.44	22.45	22.22		
15	16QAM	1	0	22.68	22.54	22.65		
15	16QAM	1	37	22.70	22.66	22.42	23	1
15	16QAM	1	74	22.60	22.57	22.61		
15	16QAM	36	0	21.50	21.38	21.45		
15	16QAM	36	20	21.48	21.65	21.43	22	2
15	16QAM	36	39	21.48	21.36	21.41		
15	16QAM	75	0	21.41	21.31	21.44		
15	64QAM	1	0	21.65	21.47	21.53		
15	64QAM	1	37	21.67	21.68	21.44	22	2
15	64QAM	1	74	21.60	21.62	21.42		
15	64QAM	36	0	20.52	20.45	20.41		
15	64QAM	36	20	20.51	20.47	20.42	21	3
15	64QAM	36	39	20.54	20.43	20.30		
15	64QAM	75	0	20.48	20.50	20.38		
Channel				26090	26340	26640		
Frequency (MHz)				1855	1860	1910		
10	QPSK	1	0	23.35	23.31	23.25		
10	QPSK	1	25	23.24	23.15	23.12	24	0
10	QPSK	1	49	23.35	23.14	23.15		
10	QPSK	25	0	22.62	22.41	22.33		
10	QPSK	25	12	22.59	22.49	22.20	23	1
10	QPSK	25	25	22.44	22.40	22.25		
10	QPSK	50	0	22.57	22.47	22.29		
10	16QAM	1	0	22.91	22.64	22.52		
10	16QAM	1	25	22.66	22.54	22.48	23	1
10	16QAM	1	49	22.55	22.62	22.49		
10	16QAM	25	0	21.44	21.44	21.28		
10	16QAM	25	12	21.41	21.60	21.30	22	2
10	16QAM	25	25	21.45	21.47	21.24		
10	16QAM	50	0	21.54	21.33	21.38		
10	64QAM	1	0	21.56	21.43	21.40		
10	64QAM	1	25	21.63	21.62	21.35	22	2
10	64QAM	1	49	21.59	21.49	21.42		
10	64QAM	25	0	20.45	20.35	20.28		
10	64QAM	25	12	20.47	20.56	20.32	21	3
10	64QAM	25	25	20.60	20.54	20.26		
10	64QAM	50	0	20.63	20.45	20.36		
Channel				26065	26340	26665		
Frequency (MHz)				1852.5	1860	1912.5		
5	QPSK	1	0	23.45	23.19	23.19		
5	QPSK	1	12	23.33	23.20	23.25	24	0
5	QPSK	1	24	23.28	23.13	23.14		
5	QPSK	12	0	22.63	22.42	22.34		
5	QPSK	12	7	22.65	22.25	22.29	23	1
5	QPSK	12	13	22.47	22.31	22.35		
5	QPSK	25	0	22.55	22.38	22.30		
5	16QAM	1	0	22.77	22.71	22.51		
5	16QAM	1	12	22.69	22.53	22.49	23	1
5	16QAM	1	24	22.67	22.57	22.57		
5	16QAM	12	0	21.65	21.48	21.28		
5	16QAM	12	7	21.45	21.62	21.30	22	2
5	16QAM	12	13	21.54	21.63	21.30		
5	16QAM	25	0	21.55	21.37	21.41		
5	64QAM	1	0	21.67	21.51	21.43		
5	64QAM	1	12	21.72	21.42	21.45	22	2
5	64QAM	1	24	21.55	21.67	21.38		
5	64QAM	12	0	20.82	20.34	20.31		
5	64QAM	12	7	20.66	20.49	20.45	21	3
5	64QAM	12	13	20.52	20.41	20.42		
5	64QAM	25	0	20.61	20.42	20.27		
Channel				26055	26340	26675		
Frequency (MHz)				1851.5	1860	1913.5		
3	QPSK	1	0	23.44	23.19	23.31		
3	QPSK	1	8	23.17	23.23	23.20	24	0
3	QPSK	1	14	23.28	23.08	22.98		
3	QPSK	8	0	22.64	22.32	22.29		
3	QPSK	8	4	22.50	22.44	22.31	23	1
3	QPSK	8	7	22.34	22.28	22.30		
3	QPSK	15	0	22.61	22.32	22.31		
3	16QAM	1	0	22.66	22.64	22.46		
3	16QAM	1	8	22.68	22.57	22.46	23	1
3	16QAM	1	14	22.57	22.60	22.47		
3	16QAM	8	0	21.51	21.46	21.21		
3	16QAM	8	4	21.56	21.40	21.37	22	2
3	16QAM	8	7	21.43	21.52	21.27		
3	16QAM	15	0	21.56	21.54	21.29		
3	64QAM	1	0	21.55	21.64	21.34		
3	64QAM	1	8	21.69	21.62	21.51	22	2
3	64QAM	1	14	21.58	21.41	21.45		
3	64QAM	8	0	20.43	20.33	20.46		
3	64QAM	8	4	20.62	20.43	20.40	21	3
3	64QAM	8	7	20.62	20.45	20.40		
3	64QAM	15	0	20.50	20.45	20.31		
Channel				26047	26340	26683		
Frequency (MHz)				1850.7	1860	1914.3		
1.4	QPSK	1	0	23.25	23.36	23.17		
1.4	QPSK	1	3	23.25	23.16	23.22	24	0
1.4	QPSK	1	5	23.32	23.10	23.15		
1.4	QPSK	3	0	23.37	23.22	23.31		
1.4	QPSK	3	1	23.21	23.13	23.09		
1.4	QPSK	3	3	23.27	23.02	23.01		
1.4	QPSK	6	0	22.54	22.46	22.34	23	1
1.4	16QAM	1	0	22.50	22.40	22.43		
1.4	16QAM	1	3	22.43	22.44	22.33		
1.4	16QAM	1	5	22.56	22.41	22.40		
1.4	16QAM	3	0	22.73	22.61	22.51	23	1
1.4	16QAM	3	1	22.59	22.60	22.55		
1.4	16QAM	3	3	22.59	22.44	22.37		
1.4	16QAM	6	0	21.47	21.38	21.45	22	2
1.4	64QAM	1	0	21.54	21.40	21.36		
1.4	64QAM	1	3	21.47	21.56	21.32		
1.4	64QAM	1	5	21.60	21.38	21.30	22	2
1.4	64QAM	3	0	21.75	21.54	21.35		
1.4	64QAM	3	1	21.70	21.67	21.44		
1.4	64QAM	3	3	21.69	21.50	21.39		
1.4	64QAM	6	0	20.61	20.45	20.27	21	3



Band 26									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				26765	26865	26965			
Frequency (MHz)				821.5	831.5	841.5			
15	QPSK	1	0	23.78	23.79	23.87			
15	QPSK	1	37	23.58	23.76	23.65	24.5	0	
15	QPSK	1	74	23.67	23.76	23.58			
15	QPSK	36	0	22.84	22.89	22.86			
15	QPSK	36	20	22.77	22.88	22.76	23.5	1	
15	QPSK	36	39	22.83	22.87	22.70			
15	QPSK	75	0	22.74	22.81	22.70			
15	16QAM	1	0	23.09	23.04	23.05			
15	16QAM	1	37	22.98	23.19	22.98	23.5	1	
15	16QAM	1	74	22.99	23.09	22.77			
15	16QAM	36	0	21.81	21.96	21.80			
15	16QAM	36	20	21.84	21.99	21.80	22.5	2	
15	16QAM	36	39	21.74	21.91	21.78			
15	16QAM	75	0	21.91	21.91	21.86			
15	64QAM	1	0	21.81	22.01	21.80			
15	64QAM	1	37	21.75	22.01	21.97	22.5	2	
15	64QAM	1	74	21.84	21.90	21.76			
15	64QAM	36	0	20.81	21.02	20.90			
15	64QAM	36	20	20.96	20.94	20.70	21.5	3	
15	64QAM	36	39	20.76	21.05	20.97			
15	64QAM	75	0	20.92	20.98	20.80			
Channel				26740	26865	26990			
Frequency (MHz)				819	831.5	844			
10	QPSK	1	0	23.64	23.69	23.66			
10	QPSK	1	25	23.56	23.70	23.63	24.5	0	
10	QPSK	1	49	23.51	23.72	23.45			
10	QPSK	25	0	22.75	22.92	22.73			
10	QPSK	25	12	22.84	22.89	22.58	23.5	1	
10	QPSK	25	25	22.68	22.83	22.67			
10	QPSK	50	0	22.72	22.91	22.72			
10	16QAM	1	0	22.90	23.13	22.97			
10	16QAM	1	25	22.94	23.05	22.90	23.5	1	
10	16QAM	1	49	23.02	22.95	22.69			
10	16QAM	25	0	21.85	21.88	21.73			
10	16QAM	25	12	21.74	21.86	21.74	22.5	2	
10	16QAM	25	25	21.70	21.83	21.60			
10	16QAM	50	0	21.80	21.75	21.74			
10	64QAM	1	0	21.88	21.98	21.92			
10	64QAM	1	25	21.73	22.07	21.82	22.5	2	
10	64QAM	1	49	21.75	21.76	21.64			
10	64QAM	25	0	20.85	20.90	20.72			
10	64QAM	25	12	20.89	20.95	20.78	21.5	3	
10	64QAM	25	25	20.80	20.96	20.77			
10	64QAM	50	0	20.68	21.00	20.70			
Channel				26715	26865	27015			
Frequency (MHz)				816.5	831.5	846.5			
5	QPSK	1	0	23.69	23.66	23.58			
5	QPSK	1	12	23.48	23.71	23.40	24.5	0	
5	QPSK	1	24	23.64	23.74	23.46			
5	QPSK	12	0	22.67	22.97	22.61			
5	QPSK	12	7	22.80	22.83	22.69	23.5	1	
5	QPSK	12	13	22.63	22.76	22.75			
5	QPSK	25	0	22.91	22.87	22.59			
5	16QAM	1	0	23.00	23.10	22.89			
5	16QAM	1	12	22.92	23.11	22.92	23.5	1	
5	16QAM	1	24	23.04	23.06	22.68			
5	16QAM	12	0	21.81	21.99	21.78			
5	16QAM	12	7	21.73	21.87	21.69	22.5	2	
5	16QAM	12	13	21.85	21.84	21.78			
5	16QAM	25	0	21.71	21.89	21.66			
5	64QAM	1	0	21.92	21.99	21.79			
5	64QAM	1	12	21.84	21.97	21.73	22.5	2	
5	64QAM	1	24	21.79	21.92	21.75			
5	64QAM	12	0	20.72	20.97	20.83			
5	64QAM	12	7	20.73	20.84	20.69	21.5	3	
5	64QAM	12	13	20.76	20.96	20.78			
5	64QAM	25	0	20.80	20.87	20.73			
Channel				26705	26865	27025			
Frequency (MHz)				815.5	831.5	847.5			
3	QPSK	1	0	23.74	23.77	23.60			
3	QPSK	1	8	23.60	23.69	23.50	24.5	0	
3	QPSK	1	14	23.60	23.66	23.52			
3	QPSK	8	0	22.69	22.94	22.64			
3	QPSK	8	4	22.67	22.83	22.65	23.5	1	
3	QPSK	8	7	22.68	22.91	22.63			
3	QPSK	15	0	22.86	22.94	22.71			
3	16QAM	1	0	22.95	23.02	23.05			
3	16QAM	1	8	22.99	22.99	22.94	23.5	1	
3	16QAM	1	14	22.95	22.90	22.70			
3	16QAM	8	0	21.81	21.93	21.79			
3	16QAM	8	4	21.83	21.93	21.60	22.5	2	
3	16QAM	8	7	21.79	21.95	21.66			
3	16QAM	15	0	21.79	21.90	21.65			
3	64QAM	1	0	21.84	21.94	21.90			
3	64QAM	1	8	21.79	21.93	21.74	22.5	2	
3	64QAM	1	14	21.76	21.91	21.70			
3	64QAM	8	0	20.77	20.96	20.88			
3	64QAM	8	4	20.68	20.92	20.66	21.5	3	
3	64QAM	8	7	20.88	20.98	20.67			
3	64QAM	15	0	20.86	20.80	20.83			
Channel				26597	26865	27033			
Frequency (MHz)				817.7	831.5	849.3			
1.4	QPSK	1	0	23.63	23.76	23.70			
1.4	QPSK	1	3	23.52	23.77	23.53	24.5	0	
1.4	QPSK	1	5	23.68	23.70	23.41			
1.4	QPSK	3	0	23.57	23.77	23.53			
1.4	QPSK	3	1	23.60	23.68	23.57			
1.4	QPSK	3	3	23.56	23.71	23.48			
1.4	QPSK	6	0	22.84	22.88	22.64	23.5	1	
1.4	16QAM	1	0	22.75	22.94	22.54			
1.4	16QAM	1	3	22.78	22.96	22.85			
1.4	16QAM	1	5	22.79	22.76	22.62	23.5	1	
1.4	16QAM	3	0	22.96	23.14	23.06			
1.4	16QAM	3	1	22.98	23.00	23.00			
1.4	16QAM	3	3	22.92	22.93	22.72			
1.4	16QAM	6	0	21.72	21.81	21.84	22.5	2	
1.4	64QAM	1	0	21.82	21.74	21.75			
1.4	64QAM	1	3	21.80	21.96	21.76			
1.4	64QAM	1	5	21.78	21.88	21.77	22.5	2	
1.4	64QAM	3	0	21.99	22.02	21.74			
1.4	64QAM	3	1	21.71	21.92	21.72			
1.4	64QAM	3	3	21.86	21.88	21.69			
1.4	64QAM	6	0	20.80	20.92	20.73	21.5	3	



Band 30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				27710			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2310					
10	QPSK	1	0		22.69		23	0	
10	QPSK	1	25		22.50				
10	QPSK	1	49		22.83				
10	QPSK	25	0		21.75		22	1	
10	QPSK	25	12		21.69				
10	QPSK	25	25		21.85				
10	QPSK	50	0		21.75		22	1	
10	16QAM	1	0		21.83				
10	16QAM	1	25		22.00				
10	16QAM	1	49		21.98		21	2	
10	16QAM	25	0		20.71				
10	16QAM	25	12		20.75				
10	16QAM	25	25		20.75		21	2	
10	16QAM	50	0		20.99				
10	64QAM	1	0		20.88				
10	64QAM	1	25		20.90		21	2	
10	64QAM	1	49		20.77				
10	64QAM	25	0		19.84				
10	64QAM	25	12		19.81		20	3	
10	64QAM	25	25		19.80				
10	64QAM	50	0		19.71				
Channel				27685		27710		27735	
Frequency (MHz)				2307.5		2310		2312.5	
5	QPSK	1	0	22.72	22.61	22.67	23	0	
5	QPSK	1	12	22.42	22.62	22.38			
5	QPSK	1	24	22.53	22.48	22.38			
5	QPSK	12	0	21.64	21.68	21.69	22	1	
5	QPSK	12	7	21.74	21.64	21.65			
5	QPSK	12	13	21.55	21.80	21.64			
5	QPSK	25	0	21.72	21.67	21.71	22	1	
5	16QAM	1	0	22.03	21.95	21.99			
5	16QAM	1	12	22.05	22.04	21.91			
5	16QAM	1	24	21.79	21.78	21.91	21	2	
5	16QAM	12	0	20.75	20.88	20.83			
5	16QAM	12	7	20.88	20.54	20.72			
5	16QAM	12	13	20.66	20.68	20.63	21	2	
5	16QAM	25	0	20.67	20.68	20.57			
5	64QAM	1	0	20.98	20.86	20.88			
5	64QAM	1	12	20.86	20.87	20.83	21	2	
5	64QAM	1	24	20.73	20.86	20.74			
5	64QAM	12	0	19.73	19.75	19.74			
5	64QAM	12	7	19.63	19.79	19.61	20	3	
5	64QAM	12	13	19.55	19.53	19.53			
5	64QAM	25	0	19.57	19.63	19.61			



Band 66								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	23.48	23.21	23.16		
20	QPSK	1	49	23.33	23.04	23.15	24	0
20	QPSK	1	99	23.25	23.06	23.05		
20	QPSK	50	0	22.63	22.35	22.30		
20	QPSK	50	24	22.36	22.26	22.24	23	1
20	QPSK	50	50	22.36	22.34	22.18		
20	QPSK	100	0	22.43	22.23	22.25		
20	16QAM	1	0	22.78	22.66	22.57		
20	16QAM	1	49	22.76	22.50	22.51	23	1
20	16QAM	1	99	22.66	22.49	22.41		
20	16QAM	50	0	21.67	21.45	21.30		
20	16QAM	50	24	21.40	21.32	21.20	22	2
20	16QAM	50	50	21.48	21.35	21.30		
20	16QAM	100	0	21.40	21.34	21.30		
20	64QAM	1	0	21.76	21.52	21.54		
20	64QAM	1	49	21.61	21.37	21.29	22	2
20	64QAM	1	99	21.42	21.37	21.33		
20	64QAM	50	0	20.83	20.41	20.23		
20	64QAM	50	24	20.56	20.31	20.37	21	3
20	64QAM	50	50	20.33	20.31	20.24		
20	64QAM	100	0	20.41	20.34	20.30		
Channel				132047	132322	132587		
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	23.38	23.17	23.09		
15	QPSK	1	37	23.29	23.02	23.14	24	0
15	QPSK	1	74	23.18	23.02	22.97		
15	QPSK	36	0	22.57	22.28	22.24		
15	QPSK	36	20	22.28	22.16	22.21	23	1
15	QPSK	36	39	22.34	22.33	22.13		
15	QPSK	75	0	22.37	22.17	22.21		
15	16QAM	1	0	22.68	22.50	22.47		
15	16QAM	1	37	22.67	22.47	22.43	23	1
15	16QAM	1	74	22.60	22.41	22.34		
15	16QAM	36	0	21.86	21.35	21.27		
15	16QAM	36	20	21.37	21.26	21.11	22	2
15	16QAM	36	39	21.38	21.29	21.28		
15	16QAM	75	0	21.39	21.29	21.25		
15	64QAM	1	0	21.71	21.49	21.46		
15	64QAM	1	37	21.51	21.29	21.29	22	2
15	64QAM	1	74	21.38	21.28	21.24		
15	64QAM	36	0	20.56	20.33	20.13		
15	64QAM	36	20	20.51	20.21	20.29	21	3
15	64QAM	36	39	20.23	20.28	20.20		
15	64QAM	75	0	20.39	20.32	20.28		
Channel				132022	132322	132622		
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	23.37	23.25	23.17		
10	QPSK	1	25	23.25	23.21	23.07	24	0
10	QPSK	1	49	23.22	23.12	22.90		
10	QPSK	25	0	22.42	22.22	22.15		
10	QPSK	25	12	22.51	22.27	22.25	23	1
10	QPSK	25	25	22.25	22.12	22.29		
10	QPSK	50	0	22.21	22.27	22.30		
10	16QAM	1	0	22.84	22.58	22.68		
10	16QAM	1	25	22.73	22.40	22.38	23	1
10	16QAM	1	49	22.55	22.49	22.30		
10	16QAM	25	0	21.57	21.25	21.23		
10	16QAM	25	12	21.32	21.16	21.18	22	2
10	16QAM	50	0	21.47	21.26	21.16		
10	64QAM	1	0	21.36	21.20	21.15		
10	64QAM	1	0	21.74	21.55	21.35		
10	64QAM	1	25	21.65	21.31	21.23	22	2
10	64QAM	1	49	21.25	21.28	21.15		
10	64QAM	25	0	20.52	20.44	20.22		
10	64QAM	25	12	20.41	20.31	20.24	21	3
10	64QAM	25	25	20.37	20.31	20.21		
10	64QAM	50	0	20.40	20.23	20.16		
Channel				131997	132322	132647		
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	23.57	23.09	23.14		
5	QPSK	1	12	23.33	23.09	22.98	24	0
5	QPSK	1	24	23.17	23.02	23.06		
5	QPSK	12	0	22.41	22.28	22.18		
5	QPSK	12	7	22.50	22.31	22.19	23	1
5	QPSK	12	13	22.29	22.21	22.11		
5	QPSK	25	0	22.28	22.23	22.29		
5	16QAM	1	0	22.77	22.68	22.56		
5	16QAM	1	12	22.69	22.36	22.26	23	1
5	16QAM	1	24	22.57	22.34	22.37		
5	16QAM	12	0	21.47	21.37	21.27		
5	16QAM	12	7	21.37	21.44	21.27	22	2
5	16QAM	12	13	21.35	21.21	21.29		
5	16QAM	25	0	21.42	21.21	21.24		
5	64QAM	1	0	21.63	21.43	21.44		
5	64QAM	1	12	21.58	21.29	21.30	22	2
5	64QAM	1	24	21.35	21.21	21.19		
5	64QAM	12	0	20.53	20.47	20.23		
5	64QAM	12	7	20.49	20.35	20.18	21	3
5	64QAM	12	13	20.38	20.16	20.09		
5	64QAM	25	0	20.50	20.34	20.14		
Channel				131972	132322	132657		
Frequency (MHz)				1710.7	1745	1773.3		
3	QPSK	1	0	23.41	23.21	23.26		
3	QPSK	1	8	23.20	23.02	23.05	24	0
3	QPSK	1	14	23.21	22.98	22.81		
3	QPSK	8	0	22.38	22.35	22.32		
3	QPSK	8	4	22.37	22.31	22.13	23	1
3	QPSK	8	7	22.38	22.24	22.34		
3	QPSK	15	0	22.41	22.32	22.09		
3	16QAM	1	0	22.87	22.54	22.65		
3	16QAM	1	8	22.71	22.41	22.42	23	1
3	16QAM	1	14	22.48	22.32	22.31		
3	16QAM	8	0	21.60	21.25	21.39		
3	16QAM	8	4	21.35	21.30	21.27	22	2
3	16QAM	8	7	21.45	21.31	21.10		
3	16QAM	15	0	21.28	21.28	21.17		
3	64QAM	1	0	21.60	21.49	21.36		
3	64QAM	1	8	21.62	21.32	21.33	22	2
3	64QAM	1	14	21.39	21.37	21.18		
3	64QAM	8	0	20.65	20.39	20.16		
3	64QAM	8	4	20.38	20.36	20.31	21	3
3	64QAM	8	7	20.28	20.20	20.15		
3	64QAM	15	0	20.39	20.31	20.20		
Channel				131979	132322	132685		
Frequency (MHz)				1710.7	1745	1773.3		
1.4	QPSK	1	0	23.36	23.26	23.24		
1.4	QPSK	1	3	23.29	23.09	23.12		
1.4	QPSK	1	5	23.12	23.01	23.00	24	0
1.4	QPSK	3	0	23.38	23.17	23.25		
1.4	QPSK	3	1	23.41	23.03	23.03		
1.4	QPSK	3	3	23.18	22.93	22.88		
1.4	QPSK	6	0	22.64	22.45	22.19	23	1
1.4	16QAM	1	0	22.28	22.24	22.23		
1.4	16QAM	1	3	22.35	22.25	22.11		
1.4	16QAM	1	5	22.45	22.20	22.15	23	1
1.4	16QAM	3	0	22.70	22.56	22.50		
1.4	16QAM	3	1	22.68	22.53	22.43		
1.4	16QAM	3	3	22.59	22.49	22.29		
1.4	16QAM	6	0	21.57	21.27	21.14	22	2
1.4	64QAM	1	0	21.45	21.38	21.23		
1.4	64QAM	1	3	21.36	21.20	21.17		
1.4	64QAM	1	5	21.37	21.19	21.22		
1.4	64QAM	3	0	21.70	21.39	21.47	22	2
1.4	64QAM	3	1	21.50	21.33	21.28		
1.4	64QAM	3	3	21.33	21.22	21.24		
1.4	64QAM	6	0	20.38	20.28	20.10	21	3



Band 66_MIMO2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	23.58	23.26	23.12			
20	QPSK	1	48	23.58	23.26	23.07	24	0	
20	QPSK	1	99	23.51	23.18	23.07			
20	QPSK	50	0	22.58	22.25	22.12			
20	QPSK	50	24	22.55	22.19	22.10	23	1	
20	QPSK	50	50	22.53	22.16	22.03			
20	QPSK	100	0	22.48	22.17	22.05			
20	16QAM	1	0	22.51	22.23	22.08			
20	16QAM	1	48	22.51	22.19	22.11	23	1	
20	16QAM	1	99	22.48	22.16	22.12			
20	16QAM	50	0	21.51	21.21	21.02			
20	16QAM	50	24	21.49	21.26	21.02	22	2	
20	16QAM	50	50	21.55	21.28	21.02			
20	16QAM	100	0	21.51	21.23	21.06			
20	64QAM	1	0	21.54	21.24	21.12			
20	64QAM	1	48	21.50	21.16	21.12	22	2	
20	64QAM	1	99	21.51	21.24	21.09			
20	64QAM	50	0	20.49	20.20	20.08			
20	64QAM	50	24	20.51	20.25	20.10			
20	64QAM	50	50	20.55	20.28	20.03	21	3	
20	64QAM	100	0	20.51	20.23	20.10			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	23.54	23.22	23.08			
15	QPSK	1	37	23.55	23.12	23.00	24	0	
15	QPSK	1	74	23.50	23.13	22.99			
15	QPSK	36	0	22.49	22.16	22.08			
15	QPSK	36	20	22.48	22.18	22.04	23	1	
15	QPSK	36	39	22.49	22.09	22.07			
15	QPSK	75	0	22.48	22.10	22.06			
15	16QAM	1	0	22.44	22.06	22.00			
15	16QAM	1	37	22.45	22.09	22.11	23	1	
15	16QAM	1	74	22.40	22.14	22.05			
15	16QAM	36	0	21.44	21.21	20.95			
15	16QAM	36	20	21.42	21.20	21.00	22	2	
15	16QAM	36	39	21.54	21.18	20.94			
15	16QAM	75	0	21.50	21.13	21.04			
15	64QAM	1	0	21.49	21.16	21.02			
15	64QAM	1	37	21.43	21.14	21.04	22	2	
15	64QAM	1	74	21.50	21.14	21.03			
15	64QAM	36	0	20.49	20.12	20.07			
15	64QAM	36	20	20.41	20.16	20.06	21	3	
15	64QAM	36	39	20.47	20.22	19.98			
15	64QAM	75	0	20.47	20.19	20.02			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	23.51	23.17	23.09			
10	QPSK	1	25	23.55	23.10	22.97	24	0	
10	QPSK	1	49	23.50	23.14	23.06			
10	QPSK	25	0	22.51	22.17	22.05			
10	QPSK	25	12	22.55	22.15	22.05	23	1	
10	QPSK	25	25	22.44	22.10	22.03			
10	QPSK	50	0	22.41	22.09	22.03			
10	16QAM	1	0	22.45	22.07	22.09			
10	16QAM	1	25	22.48	22.15	22.09	23	1	
10	16QAM	1	49	22.46	22.13	22.10			
10	16QAM	25	0	21.46	21.13	20.98			
10	16QAM	25	12	21.42	21.28	20.99	22	2	
10	16QAM	25	25	21.54	21.21	20.92			
10	16QAM	50	0	21.45	21.15	20.98			
10	64QAM	1	0	21.52	21.18	21.05			
10	64QAM	1	25	21.45	21.15	21.09	22	2	
10	64QAM	1	49	21.41	21.20	20.99			
10	64QAM	25	0	20.42	20.14	20.08			
10	64QAM	25	12	20.41	20.15	20.10	21	3	
10	64QAM	25	25	20.48	20.17	19.97			
10	64QAM	50	0	20.50	20.18	20.01			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	23.52	23.21	23.08			
5	QPSK	1	12	23.52	23.18	23.06	24	0	
5	QPSK	1	24	23.41	23.15	23.05			
5	QPSK	12	0	22.57	22.15	22.11			
5	QPSK	12	7	22.45	22.12	22.07	23	1	
5	QPSK	12	13	22.53	22.15	22.03			
5	QPSK	25	0	22.46	22.08	21.95			
5	16QAM	1	0	22.46	22.15	22.02			
5	16QAM	1	12	22.48	22.17	22.08	23	1	
5	16QAM	1	24	22.39	22.10	22.02			
5	16QAM	12	0	21.48	21.21	20.94			
5	16QAM	12	7	21.49	21.28	20.96	22	2	
5	16QAM	12	13	21.54	21.16	20.98			
5	16QAM	25	0	21.43	21.19	20.98			
5	64QAM	1	0	21.54	21.19	21.09			
5	64QAM	1	12	21.40	21.14	21.09	22	2	
5	64QAM	1	24	21.49	21.16	21.02			
5	64QAM	12	0	20.45	20.20	20.07			
5	64QAM	12	7	20.46	20.15	20.02	21	3	
5	64QAM	12	13	20.44	20.22	19.98			
5	64QAM	25	0	20.51	20.13	20.03			
Channel				131972	132322	132687	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	23.55	23.20	23.10			
1.4	QPSK	1	3	23.54	23.12	23.00	24	0	
1.4	QPSK	1	5	23.43	23.15	22.97			
1.4	QPSK	3	0	22.51	22.24	22.11			
1.4	QPSK	3	1	23.49	23.15	23.05	23	1	
1.4	QPSK	3	3	23.48	23.17	23.04			
1.4	QPSK	6	0	22.39	22.13	21.98	23	1	
1.4	16QAM	1	0	22.41	22.08	22.08			
1.4	16QAM	1	3	22.43	22.09	22.05			
1.4	16QAM	1	5	22.42	22.15	22.12	23	1	
1.4	16QAM	3	0	22.51	22.07	22.01			
1.4	16QAM	3	1	22.41	22.17	22.02			
1.4	16QAM	3	3	22.48	22.13	22.04	22	2	
1.4	16QAM	6	0	21.43	21.23	21.05			
1.4	64QAM	1	0	21.48	21.15	21.08			
1.4	64QAM	1	3	21.41	21.08	21.12	22	2	
1.4	64QAM	1	5	21.47	21.22	21.04			
1.4	64QAM	3	0	21.49	21.20	21.03			
1.4	64QAM	3	1	21.46	21.08	21.06	21	3	
1.4	64QAM	3	3	21.44	21.16	20.99			
1.4	64QAM	6	0	20.42	20.15	20.06			



Band 71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				133222	133322	133372		
Frequency (MHz)				673	683	688		
20	QPSK	1	0	23.83	23.79	23.69		
20	QPSK	1	49	23.74	23.75	23.65	24.5	0
20	QPSK	1	99	23.76	23.84	23.47		
20	QPSK	50	0	22.89	22.83	22.74		
20	QPSK	50	24	22.94	22.80	22.79	23.5	1
20	QPSK	50	50	22.91	22.81	22.72		
20	QPSK	100	0	22.91	22.76	22.77		
20	16QAM	1	0	23.20	23.08	23.10		
20	16QAM	1	49	23.15	22.99	22.92	23.5	1
20	16QAM	1	99	23.10	22.89	22.82		
20	16QAM	50	0	21.89	21.76	21.75		
20	16QAM	50	24	21.91	21.74	21.79	22.5	2
20	16QAM	50	50	21.92	21.73	21.71		
20	16QAM	100	0	21.91	21.69	21.75		
20	64QAM	1	0	22.00	21.92	21.91		
20	64QAM	1	49	21.95	21.84	21.86	22.5	2
20	64QAM	1	99	22.06	21.76	21.74		
20	64QAM	50	0	20.91	20.75	20.77		
20	64QAM	50	24	20.94	20.74	20.81	21.5	3
20	64QAM	50	50	20.94	20.72	20.75		
20	64QAM	100	0	20.94	20.69	20.79		
Channel				133197	133297	133347	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	QPSK	1	0	23.79	23.70	23.69		
15	QPSK	1	37	23.67	23.68	23.53	24.5	0
15	QPSK	1	74	23.79	23.60	23.43		
15	QPSK	36	0	22.87	22.83	22.73		
15	QPSK	36	20	22.91	22.77	22.75	23.5	1
15	QPSK	36	39	22.90	22.71	22.72		
15	QPSK	75	0	22.87	22.74	22.73		
15	16QAM	1	0	23.15	23.06	23.06		
15	16QAM	1	37	23.10	22.90	22.82	23.5	1
15	16QAM	1	74	23.05	22.89	22.77		
15	16QAM	36	0	21.96	21.74	21.70		
15	16QAM	36	20	21.89	21.64	21.70	22.5	2
15	16QAM	36	39	21.91	21.65	21.62		
15	16QAM	75	0	21.90	21.62	21.68		
15	64QAM	1	0	21.92	21.77	21.83		
15	64QAM	1	37	21.91	21.80	21.80	22.5	2
15	64QAM	1	74	22.01	21.74	21.73		
15	64QAM	36	0	20.88	20.71	20.77		
15	64QAM	36	20	20.93	20.68	20.77	21.5	3
15	64QAM	36	39	20.94	20.63	20.65		
15	64QAM	75	0	20.94	20.62	20.74		
Channel				133172	133272	133422	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				668	678	693		
10	QPSK	1	0	23.81	23.69	23.68		
10	QPSK	1	25	23.65	23.70	23.59	24.5	0
10	QPSK	1	49	23.68	23.56	23.42		
10	QPSK	25	0	22.81	22.73	22.66		
10	QPSK	25	12	22.94	22.72	22.78	23.5	1
10	QPSK	25	25	22.81	22.77	22.65		
10	QPSK	50	0	22.91	22.88	22.68		
10	16QAM	1	0	23.18	23.07	23.01		
10	16QAM	1	25	23.08	22.97	22.88	23.5	1
10	16QAM	1	49	23.05	22.87	22.78		
10	16QAM	25	0	21.85	21.73	21.68		
10	16QAM	25	12	21.82	21.72	21.73	22.5	2
10	16QAM	25	25	21.89	21.72	21.67		
10	16QAM	50	0	21.94	21.64	21.70		
10	64QAM	1	0	21.98	21.80	21.86		
10	64QAM	1	25	21.95	21.77	21.84	22.5	2
10	64QAM	1	49	22.00	21.73	21.72		
10	64QAM	25	0	20.90	20.70	20.88		
10	64QAM	25	12	20.91	20.73	20.74	21.5	3
10	64QAM	25	25	20.93	20.69	20.65		
10	64QAM	50	0	20.92	20.63	20.76		
Channel				133147	133247	133447	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				665.5	675.5	695.5		
5	QPSK	1	0	23.80	23.78	23.60		
5	QPSK	1	12	23.74	23.72	23.60	24.5	0
5	QPSK	1	24	23.75	23.57	23.39		
5	QPSK	12	0	22.86	22.77	22.68		
5	QPSK	12	7	22.94	22.75	22.72	23.5	1
5	QPSK	12	13	22.88	22.72	22.66		
5	QPSK	25	0	22.82	22.66	22.72		
5	16QAM	1	0	23.10	23.08	23.01		
5	16QAM	1	12	23.06	22.94	22.90	23.5	1
5	16QAM	1	24	23.10	22.85	22.73		
5	16QAM	12	0	21.79	21.72	21.74		
5	16QAM	12	7	21.90	21.74	21.69	22.5	2
5	16QAM	12	13	21.88	21.69	21.66		
5	16QAM	25	0	21.91	21.69	21.69		
5	64QAM	1	0	22.00	21.74	21.89		
5	64QAM	1	12	21.93	21.84	21.81	22.5	2
5	64QAM	1	24	22.01	21.76	21.65		
5	64QAM	12	0	20.86	20.68	20.74		
5	64QAM	12	7	20.90	20.72	20.74	21.5	3
5	64QAM	12	13	20.93	20.68	20.74		
5	64QAM	25	0	20.84	20.61	20.75		



Band 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900			
20	QPSK	1	0	17.36	17.31	17.22	18	0	
20	QPSK	1	49	17.21	17.25	17.15			
20	QPSK	1	99	17.20	17.22	17.03			
20	QPSK	50	0	16.51	16.48	16.32	17	1	
20	QPSK	50	24	16.47	16.37	16.23			
20	QPSK	50	50	16.45	16.43	16.29			
20	QPSK	100	0	16.51	16.32	16.17	17	1	
20	16QAM	1	0	16.66	16.69	16.48			
20	16QAM	1	49	16.64	16.54	16.46			
20	16QAM	1	99	16.46	16.58	16.37	16	2	
20	16QAM	50	0	15.41	15.36	15.23			
20	16QAM	50	24	15.47	15.41	15.23			
20	16QAM	50	50	15.45	15.44	15.28	16	2	
20	16QAM	100	0	15.44	15.37	15.20			
20	64QAM	1	0	15.57	15.54	15.36			
20	64QAM	1	49	15.49	15.50	15.38	16	2	
20	64QAM	1	99	15.45	15.46	15.36			
20	64QAM	50	0	14.42	14.38	14.23			
20	64QAM	50	24	14.53	14.40	14.25	15	3	
20	64QAM	50	50	14.45	14.45	14.30			
20	64QAM	100	0	14.47	14.35	14.21			
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1857.5	1880	1902.5			
15	QPSK	1	0	17.29	17.31	17.19	18	0	
15	QPSK	1	37	17.21	17.23	17.12			
15	QPSK	1	74	17.18	17.13	17.01			
15	QPSK	36	0	16.33	16.38	16.17	17	1	
15	QPSK	36	20	16.41	16.29	16.21			
15	QPSK	36	39	16.43	16.41	16.17			
15	QPSK	75	0	16.47	16.27	16.17	17	1	
15	16QAM	1	0	16.64	16.62	16.40			
15	16QAM	1	37	16.69	16.52	16.46			
15	16QAM	1	74	16.40	16.53	16.33	16	2	
15	16QAM	36	0	15.31	15.31	15.19			
15	16QAM	36	20	15.43	15.32	15.14			
15	16QAM	36	39	15.39	15.34	15.23	16	2	
15	16QAM	75	0	15.35	15.35	15.13			
15	64QAM	1	0	15.57	15.46	15.29			
15	64QAM	1	37	15.43	15.49	15.34	16	2	
15	64QAM	1	74	15.38	15.44	15.28			
15	64QAM	36	0	14.42	14.32	14.16			
15	64QAM	36	20	14.52	14.36	14.16	15	3	
15	64QAM	36	39	14.42	14.43	14.28			
15	64QAM	75	0	14.44	14.34	14.14			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	17.32	17.28	17.20	18	0	
10	QPSK	1	25	17.28	17.20	17.11			
10	QPSK	1	49	17.11	17.14	17.02			
10	QPSK	25	0	16.35	16.28	16.16	17	1	
10	QPSK	25	12	16.38	16.31	16.16			
10	QPSK	25	25	16.44	16.36	16.25			
10	QPSK	50	0	16.51	16.27	16.16	17	1	
10	16QAM	1	0	16.57	16.60	16.48			
10	16QAM	1	25	16.61	16.50	16.39			
10	16QAM	1	49	16.38	16.52	16.33	16	2	
10	16QAM	25	0	15.38	15.36	15.20			
10	16QAM	25	12	15.42	15.38	15.17			
10	16QAM	25	25	15.40	15.35	15.24	16	2	
10	16QAM	50	0	15.43	15.35	15.13			
10	64QAM	1	0	15.52	15.49	15.31			
10	64QAM	1	25	15.39	15.50	15.31	16	2	
10	64QAM	1	49	15.38	15.43	15.36			
10	64QAM	25	0	14.36	14.33	14.23			
10	64QAM	25	12	14.52	14.34	14.18	15	3	
10	64QAM	25	25	14.44	14.43	14.25			
10	64QAM	50	0	14.46	14.25	14.18			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	17.29	17.23	17.17	18	0	
5	QPSK	1	12	17.29	17.20	17.05			
5	QPSK	1	24	17.18	17.15	16.95			
5	QPSK	12	0	16.38	16.35	16.14	17	1	
5	QPSK	12	7	16.41	16.38	16.17			
5	QPSK	12	13	16.41	16.37	16.25			
5	QPSK	25	0	16.49	16.28	16.16	17	1	
5	16QAM	1	0	16.60	16.64	16.41			
5	16QAM	1	12	16.56	16.54	16.38			
5	16QAM	1	24	16.42	16.57	16.31	16	2	
5	16QAM	12	0	15.35	15.22	15.15			
5	16QAM	12	7	15.45	15.31	15.21			
5	16QAM	12	13	15.39	15.38	15.19	16	2	
5	16QAM	25	0	15.41	15.27	15.10			
5	64QAM	1	0	15.52	15.49	15.30			
5	64QAM	1	12	15.46	15.40	15.35	16	2	
5	64QAM	1	24	15.40	15.37	15.27			
5	64QAM	12	0	14.32	14.28	14.20			
5	64QAM	12	7	14.49	14.30	14.17	15	3	
5	64QAM	12	13	14.42	14.35	14.29			
5	64QAM	25	0	14.42	14.33	14.20			
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1851.5	1880	1903.5			
3	QPSK	1	0	17.28	17.23	17.12	18	0	
3	QPSK	1	8	17.24	17.19	17.08			
3	QPSK	1	14	17.15	17.20	17.01			
3	QPSK	8	0	16.33	16.28	16.12	17	1	
3	QPSK	8	4	16.41	16.32	16.18			
3	QPSK	8	7	16.37	16.42	16.23			
3	QPSK	15	0	16.51	16.29	16.06	17	1	
3	16QAM	1	1	16.62	16.67	16.46			
3	16QAM	1	8	16.55	16.49	16.45			
3	16QAM	1	14	16.39	16.58	16.31	16	2	
3	16QAM	8	0	15.41	15.34	15.23			
3	16QAM	8	4	15.45	15.40	15.23			
3	16QAM	8	7	15.39	15.43	15.22	16	2	
3	16QAM	15	0	15.41	15.33	15.19			
3	64QAM	1	0	15.47	15.52	15.28			
3	64QAM	1	8	15.47	15.49	15.33	16	2	
3	64QAM	1	14	15.38	15.41	15.27			
3	64QAM	8	0	14.37	14.33	14.23			
3	64QAM	8	4	14.53	14.34	14.16	15	3	
3	64QAM	8	7	14.43	14.44	14.24			
3	64QAM	15	0	14.44	14.32	14.15			
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1850.7	1880	1909.3			
1.4	QPSK	1	0	17.34	17.21	17.19	18	0	
1.4	QPSK	1	3	17.25	17.18	17.11			
1.4	QPSK	1	5	17.12	17.18	17.00			
1.4	QPSK	3	0	17.32	17.15	17.15	17	1	
1.4	QPSK	3	1	17.24	17.10	17.08			
1.4	QPSK	3	3	17.06	17.15	16.93			
1.4	QPSK	6	0	16.37	16.34	16.12	17	1	
1.4	16QAM	1	0	16.43	16.27	16.16			
1.4	16QAM	1	3	16.44	16.41	16.24			
1.4	16QAM	1	5	16.51	16.26	16.12	16	2	
1.4	16QAM	3	0	16.63	16.59	16.42			
1.4	16QAM	3	1	16.54	16.45	16.44			
1.4	16QAM	3	3	16.43	16.52	16.36	16	2	
1.4	16QAM	6	0	15.31	15.32	15.16			
1.4	64QAM	1	0	15.44	15.35	15.16			
1.4	64QAM	1	3	15.42	15.41	15.23	16	2	
1.4	64QAM	1	5	15.43	15.30	15.19			
1.4	64QAM	3	0	15.50	15.49	15.36			
1.4	64QAM	3	1	15.41	15.41	15.38	15	3	
1.4	64QAM	3	3	15.43	15.44	15.30			
1.4	64QAM	6	0	14.38	14.26	14.19			



Band 2_MIMO2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch./Freq.	Power Middle Ch./Freq.	Power High Ch./Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				18700	18900	19100			
Frequency (MHz)				1860	1860	1900			
20	QPSK	1	0	16.44	16.65	16.67			
20	QPSK	1	49	16.43	16.61	16.81	17	0	
20	QPSK	1	99	16.41	16.59	16.78			
20	QPSK	50	0	15.42	15.62	15.86			
20	QPSK	50	24	15.38	15.57	15.94	16	1	
20	QPSK	50	50	15.35	15.55	15.77			
20	QPSK	100	0	15.34	15.63	15.79			
20	16QAM	1	0	15.40	15.64	15.81			
20	16QAM	1	49	15.35	15.65	15.80	16	1	
20	16QAM	1	99	15.40	15.64	15.82			
20	16QAM	50	0	14.36	14.56	14.85			
20	16QAM	50	24	14.40	14.55	14.84	15	2	
20	16QAM	50	50	14.39	14.65	14.87			
20	16QAM	100	0	14.34	14.62	14.86			
20	64QAM	1	0	14.30	14.57	14.87			
20	64QAM	1	49	14.36	14.62	14.79	15	2	
20	64QAM	1	99	14.34	14.61	14.78			
20	64QAM	50	0	13.40	13.63	13.80			
20	64QAM	50	24	13.38	13.60	13.79	14	3	
20	64QAM	50	50	13.36	13.59	13.85			
20	64QAM	100	0	13.37	13.59	13.83			
Channel				18975	18900	19125	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	QPSK	1	0	16.38	16.65	16.77			
15	QPSK	1	37	16.43	16.57	16.77	17	0	
15	QPSK	1	74	16.36	16.55	16.72			
15	QPSK	36	0	15.39	15.53	15.80			
15	QPSK	36	20	15.29	15.57	15.77	16	1	
15	QPSK	36	39	15.28	15.52	15.74			
15	QPSK	75	0	15.34	15.63	15.71			
15	16QAM	1	0	15.34	15.60	15.77			
15	16QAM	1	37	15.32	15.63	15.74	16	1	
15	16QAM	1	74	15.33	15.62	15.75			
15	16QAM	36	0	14.27	14.58	14.75			
15	16QAM	36	20	14.31	14.46	14.64	15	2	
15	16QAM	36	39	14.37	14.55	14.77			
15	16QAM	75	0	14.30	14.55	14.82			
15	64QAM	1	0	14.30	14.49	14.85			
15	64QAM	1	37	14.34	14.58	14.79	15	2	
15	64QAM	1	74	14.24	14.54	14.74			
15	64QAM	36	0	13.31	13.61	13.72			
15	64QAM	36	20	13.36	13.52	13.78	14	3	
15	64QAM	36	39	13.27	13.50	13.85			
15	64QAM	75	0	13.36	13.60	13.80			
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1855	1880	1905			
10	QPSK	1	0	16.39	16.58	16.81			
10	QPSK	1	25	16.34	16.53	16.81	17	0	
10	QPSK	1	49	16.36	16.54	16.68			
10	QPSK	25	0	15.42	15.63	15.83			
10	QPSK	25	12	15.37	15.55	15.77	16	1	
10	QPSK	25	25	15.34	15.48	15.69			
10	QPSK	50	0	15.28	15.54	15.74			
10	16QAM	1	0	15.30	15.57	15.80			
10	16QAM	1	25	15.31	15.59	15.77	16	1	
10	16QAM	1	49	15.38	15.57	15.75			
10	16QAM	25	0	14.29	14.49	14.83			
10	16QAM	25	12	14.30	14.53	14.80	15	2	
10	16QAM	25	25	14.36	14.59	14.86			
10	16QAM	50	0	14.30	14.59	14.80			
10	64QAM	1	0	14.37	14.48	14.80			
10	64QAM	1	25	14.30	14.55	14.78	15	2	
10	64QAM	1	49	14.29	14.56	14.76			
10	64QAM	25	0	13.31	13.63	13.76			
10	64QAM	25	12	13.29	13.56	13.79	14	3	
10	64QAM	25	25	13.35	13.56	13.81			
10	64QAM	50	0	13.28	13.56	13.74			
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1852.5	1880	1907.5			
5	QPSK	1	0	16.39	16.57	16.83			
5	QPSK	1	12	16.37	16.61	16.73	17	0	
5	QPSK	1	24	16.37	16.58	16.72			
5	QPSK	12	0	15.34	15.60	15.79			
5	QPSK	12	7	15.32	15.59	15.79	16	1	
5	QPSK	12	13	15.29	15.52	15.76			
5	QPSK	25	0	15.33	15.67	15.73			
5	16QAM	1	0	15.31	15.60	15.75			
5	16QAM	1	12	15.32	15.58	15.75	16	1	
5	16QAM	1	24	15.30	15.59	15.75			
5	16QAM	12	0	14.36	14.48	14.82			
5	16QAM	12	7	14.38	14.52	14.74	15	2	
5	16QAM	12	13	14.35	14.62	14.80			
5	16QAM	25	0	14.29	14.60	14.80			
5	64QAM	1	0	14.29	14.53	14.87			
5	64QAM	1	12	14.34	14.57	14.78	15	2	
5	64QAM	1	24	14.29	14.59	14.77			
5	64QAM	12	0	13.38	13.57	13.70			
5	64QAM	12	7	13.34	13.51	13.77	14	3	
5	64QAM	12	13	13.35	13.56	13.76			
5	64QAM	25	0	13.27	13.63	13.74			
Channel				18515	18900	19185	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1831.5	1860	1909.5			
3	QPSK	1	0	16.35	16.61	16.83			
3	QPSK	1	8	16.43	16.59	16.81	17	0	
3	QPSK	1	14	16.33	16.49	16.72			
3	QPSK	8	0	15.42	15.63	15.76			
3	QPSK	8	4	15.37	15.67	15.80	16	1	
3	QPSK	8	7	15.34	15.62	15.75			
3	QPSK	15	0	15.28	15.56	15.71			
3	16QAM	1	0	15.34	15.62	15.72			
3	16QAM	1	8	15.31	15.56	15.76	16	1	
3	16QAM	1	14	15.30	15.60	15.77			
3	16QAM	8	0	14.32	14.53	14.81			
3	16QAM	8	4	14.35	14.55	14.83	15	2	
3	16QAM	8	7	14.34	14.60	14.87			
3	16QAM	15	0	14.29	14.53	14.81			
3	64QAM	1	0	14.33	14.55	14.84			
3	64QAM	1	8	14.32	14.62	14.78	15	2	
3	64QAM	1	14	14.26	14.51	14.75			
3	64QAM	8	0	13.40	13.54	13.71			
3	64QAM	8	4	13.28	13.58	13.79	14	3	
3	64QAM	8	7	13.32	13.52	13.77			
3	64QAM	15	0	13.34	13.55	13.79			
Channel				18007	18900	19190	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1807.7	1880	1909.3			
1.4	QPSK	1	0	16.34	16.61	16.85			
1.4	QPSK	1	3	16.41	16.55	16.74	17	0	
1.4	QPSK	1	5	16.37	16.53	16.69			
1.4	QPSK	3	0	16.38	16.63	16.87			
1.4	QPSK	3	1	16.36	16.52	16.71			
1.4	QPSK	3	3	16.33	16.52	16.77			
1.4	QPSK	6	0	15.29	15.55	15.75	16	1	
1.4	16QAM	1	0	15.35	15.56	15.78			
1.4	16QAM	1	3	15.29	15.58	15.72			
1.4	16QAM	1	5	15.40	15.56	15.79	16	1	
1.4	16QAM	3	0	15.40	15.62	15.72			
1.4	16QAM	3	1	15.30	15.56	15.70			
1.4	16QAM	3	3	15.33	15.64	15.80			
1.4	16QAM	6	0	14.34	14.53	14.81	15	2	
1.4	64QAM	1	0	14.30	14.55	14.86			
1.4	64QAM	1	3	14.29	14.58	14.72			
1.4	64QAM	1	5	14.26	14.53	14.77	15	2	
1.4	64QAM	3	0	14.29	14.56	14.87			
1.4	64QAM	3	1	14.32	14.60	14.71			
1.4	64QAM	3	3	14.27	14.55	14.76			
1.4	64QAM	6	0	13.32	13.68	13.81	14	3	



Band 4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit [dBm]	MPR [dB]
Channel				2050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.03	17.97	18.02		
20	QPSK	1	49	17.87	17.89	17.89	18.5	0
20	QPSK	1	99	17.96	17.86	17.84		
20	QPSK	50	0	17.13	17.09	17.12		
20	QPSK	50	24	17.11	17.04	16.94	17.5	1
20	QPSK	50	50	17.07	16.91	16.74		
20	QPSK	100	0	17.12	17.08	16.90		
20	16QAM	1	0	17.30	17.35	17.31		
20	16QAM	1	49	17.23	17.28	17.08	17.5	1
20	16QAM	1	99	17.36	17.01	16.96		
20	16QAM	50	0	16.11	16.13	16.13		
20	16QAM	50	24	16.18	16.07	15.98	16.5	2
20	16QAM	50	50	16.08	15.96	15.78		
20	16QAM	100	0	16.12	16.03	15.94		
20	64QAM	1	0	16.21	16.12	16.24		
20	64QAM	1	49	16.10	16.08	15.94	16.5	2
20	64QAM	1	99	16.21	15.91	15.84		
20	64QAM	50	0	15.13	15.15	15.16		
20	64QAM	50	24	15.13	15.09	14.99	15.5	3
20	64QAM	50	50	15.06	14.97	14.79		
20	64QAM	100	0	15.15	15.09	15.00		
Channel				2025	20175	20325	Tune-up limit [dBm]	MPR [dB]
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	17.94	17.96	17.92		
15	QPSK	1	37	17.84	17.80	17.64	18.5	0
15	QPSK	1	74	17.89	17.65	17.45		
15	QPSK	36	0	17.11	17.05	17.07		
15	QPSK	36	20	17.11	17.04	16.90	17.5	1
15	QPSK	36	39	17.07	16.85	16.65		
15	QPSK	75	0	17.10	17.05	16.81		
15	16QAM	1	0	17.22	17.28	17.31		
15	16QAM	1	37	17.22	17.23	16.99	17.5	1
15	16QAM	1	74	17.28	17.01	16.91		
15	16QAM	36	0	16.10	16.09	16.12		
15	16QAM	36	20	16.10	16.00	15.96	16.5	2
15	16QAM	36	39	16.02	15.93	15.75		
15	16QAM	75	0	16.10	15.93	15.84		
15	64QAM	1	0	16.18	16.11	16.21		
15	64QAM	1	37	16.04	15.98	15.88	16.5	2
15	64QAM	1	74	16.21	15.91	15.83		
15	64QAM	36	0	15.12	15.14	15.07		
15	64QAM	36	20	15.06	15.00	14.99	15.5	3
15	64QAM	36	39	14.99	14.96	14.75		
15	64QAM	75	0	15.13	15.07	14.94		
Channel				2000	20175	20350	Tune-up limit [dBm]	MPR [dB]
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	17.93	17.95	18.01		
10	QPSK	1	25	17.77	17.79	17.63	18.5	0
10	QPSK	1	49	17.86	17.64	17.54		
10	QPSK	25	0	17.12	17.00	17.05		
10	QPSK	25	12	17.03	17.03	16.91	17.5	1
10	QPSK	25	25	17.02	16.83	16.67		
10	QPSK	50	0	17.04	17.07	16.83		
10	16QAM	1	0	17.23	17.23	17.24		
10	16QAM	1	25	17.21	17.20	17.08	17.5	1
10	16QAM	1	49	17.35	16.97	16.96		
10	16QAM	25	0	16.09	16.08	16.12		
10	16QAM	25	12	16.11	16.06	15.98	16.5	2
10	16QAM	25	25	16.06	15.91	15.76		
10	16QAM	50	0	16.03	15.93	15.85		
10	64QAM	1	0	16.16	16.09	16.22		
10	64QAM	1	25	16.07	16.05	15.84	16.5	2
10	64QAM	1	49	16.15	15.91	15.82		
10	64QAM	25	0	15.04	15.10	15.11		
10	64QAM	25	12	15.13	15.00	14.92	15.5	3
10	64QAM	25	25	15.08	14.83	14.76		
10	64QAM	50	0	15.14	15.09	14.97		
Channel				19975	20175	20375	Tune-up limit [dBm]	MPR [dB]
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	17.97	17.92	18.00		
5	QPSK	1	12	17.77	17.81	17.65	18.5	0
5	QPSK	1	24	17.94	17.57	17.50		
5	QPSK	12	0	17.07	17.08	17.05		
5	QPSK	12	7	17.02	17.01	16.90	17.5	1
5	QPSK	12	13	17.02	16.88	16.73		
5	QPSK	25	0	17.10	17.07	16.87		
5	16QAM	1	0	17.21	17.28	17.25		
5	16QAM	1	12	17.16	17.18	17.03	17.5	1
5	16QAM	1	24	17.27	16.91	16.87		
5	16QAM	12	0	16.10	16.13	16.13		
5	16QAM	12	7	16.16	15.98	15.97	16.5	2
5	16QAM	12	13	16.08	15.91	15.78		
5	16QAM	25	0	16.07	15.95	15.89		
5	64QAM	1	0	16.11	16.03	16.21		
5	64QAM	1	12	16.03	16.04	15.84	16.5	2
5	64QAM	1	24	16.13	15.88	15.80		
5	64QAM	12	0	15.13	15.10	15.06		
5	64QAM	12	7	15.04	15.05	14.95	15.5	3
5	64QAM	12	13	15.01	14.93	14.75		
5	64QAM	25	0	15.09	15.08	14.90		
Channel				19957	20175	20393	Tune-up limit [dBm]	MPR [dB]
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.02	17.89	18.02		
1.4	QPSK	1	3	17.84	17.81	17.89	18.5	0
1.4	QPSK	1	5	17.93	17.81	17.51		
1.4	QPSK	3	0	17.95	17.67	17.94		
1.4	QPSK	3	1	17.75	17.72	17.64		
1.4	QPSK	3	3	17.86	17.60	17.49	17.5	1
1.4	QPSK	6	0	17.06	17.08	17.04		
1.4	16QAM	1	0	17.04	17.03	16.85		
1.4	16QAM	1	3	16.99	16.88	16.69	17.5	1
1.4	16QAM	1	5	17.07	17.08	16.82		
1.4	16QAM	3	0	17.25	17.34	17.25		
1.4	16QAM	3	1	17.14	17.22	17.06		
1.4	16QAM	3	3	17.29	16.92	16.88		
1.4	16QAM	6	0	16.02	16.06	16.09	16.5	2
1.4	64QAM	1	0	16.18	16.01	15.97		
1.4	64QAM	1	3	16.06	15.88	15.88		
1.4	64QAM	1	5	16.10	15.94	15.85	16.5	2
1.4	64QAM	3	0	16.13	16.07	16.20		
1.4	64QAM	3	1	16.03	15.98	15.84		
1.4	64QAM	3	3	16.15	15.89	15.80		
1.4	64QAM	6	0	15.15	15.07	14.91	15.5	3



Band 5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	20.66	20.62	20.60		
10	QPSK	1	25	20.57	20.55	20.51	21.5	0
10	QPSK	1	49	20.26	20.20	20.44		
10	QPSK	25	0	19.67	19.66	19.63		
10	QPSK	25	12	19.75	19.65	19.62	20.5	1
10	QPSK	25	25	19.73	19.66	19.67		
10	QPSK	50	0	19.75	19.63	19.64		
10	16QAM	1	0	20.02	19.99	20.00		
10	16QAM	1	25	19.96	19.97	19.96	20.5	1
10	16QAM	1	49	19.98	19.99	19.95		
10	16QAM	25	0	18.68	18.59	18.60		
10	16QAM	25	12	18.78	18.64	18.81	19.5	2
10	16QAM	25	25	18.72	18.67	18.65		
10	16QAM	50	0	18.76	18.62	18.61		
10	64QAM	1	0	18.86	18.84	18.86		
10	64QAM	1	25	18.87	18.85	18.84	19.5	2
10	64QAM	1	49	18.82	18.79	18.75		
10	64QAM	25	0	17.73	17.72	17.67		
10	64QAM	25	12	17.81	17.70	17.69	18.5	3
10	64QAM	25	25	17.79	17.73	17.73		
10	64QAM	50	0	17.77	17.65	17.66		
Channel				20425	20525	20625		
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.57	20.53	20.56		
5	QPSK	1	12	20.50	20.50	20.42	21.5	0
5	QPSK	1	24	20.54	20.40	20.39		
5	QPSK	12	0	19.63	19.60	19.56		
5	QPSK	12	7	19.72	19.58	19.53	20.5	1
5	QPSK	12	13	19.70	19.62	19.67		
5	QPSK	25	0	19.75	19.59	19.58		
5	16QAM	1	0	20.01	19.92	19.98		
5	16QAM	1	12	19.91	19.87	19.85	20.5	1
5	16QAM	1	24	19.92	19.84	19.79		
5	16QAM	12	0	18.67	18.60	18.60		
5	16QAM	12	7	18.77	18.62	18.59	19.5	2
5	16QAM	12	13	18.63	18.65	18.65		
5	16QAM	25	0	18.68	18.60	18.51		
5	64QAM	1	0	18.84	18.84	18.85		
5	64QAM	1	12	18.77	18.77	18.84	19.5	2
5	64QAM	1	24	18.74	18.79	18.74		
5	64QAM	12	0	17.68	17.66	17.61		
5	64QAM	12	7	17.75	17.63	17.59	18.5	3
5	64QAM	12	13	17.70	17.68	17.63		
5	64QAM	25	0	17.74	17.64	17.58		
Channel				20415	20525	20635		
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	20.64	20.58	20.50		
3	QPSK	1	8	20.50	20.49	20.40	21.5	0
3	QPSK	1	14	20.55	20.41	20.36		
3	QPSK	8	0	19.63	19.62	19.55		
3	QPSK	8	4	19.70	19.60	19.59	20.5	1
3	QPSK	8	7	19.67	19.65	19.62		
3	QPSK	15	0	19.65	19.61	19.55		
3	16QAM	1	0	20.00	19.99	19.91		
3	16QAM	1	8	19.95	19.92	19.85	20.5	1
3	16QAM	1	14	19.89	19.87	19.82		
3	16QAM	8	0	18.62	18.54	18.60		
3	16QAM	8	4	18.76	18.61	18.52	19.5	2
3	16QAM	8	7	18.67	18.67	18.60		
3	16QAM	15	0	18.72	18.61	18.60		
3	64QAM	1	0	18.81	18.84	18.84		
3	64QAM	1	8	18.78	18.85	18.77	19.5	2
3	64QAM	1	14	18.81	18.77	18.75		
3	64QAM	8	0	17.63	17.65	17.64		
3	64QAM	8	4	17.73	17.64	17.66	18.5	3
3	64QAM	8	7	17.74	17.67	17.64		
3	64QAM	15	0	17.71	17.61	17.64		
Channel				20407	20525	20643		
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	20.59	20.59	20.52		
1.4	QPSK	1	3	20.49	20.46	20.44	21.5	0
1.4	QPSK	1	5	20.48	20.46	20.34		
1.4	QPSK	3	0	20.55	20.55	20.52		
1.4	QPSK	3	1	20.42	20.42	20.41		
1.4	QPSK	3	3	20.42	20.44	20.28		
1.4	QPSK	6	0	19.66	19.63	19.61	20.5	1
1.4	16QAM	1	0	19.73	19.64	19.53		
1.4	16QAM	1	3	19.69	19.58	19.61	20.5	1
1.4	16QAM	1	5	19.70	19.62	19.61		
1.4	16QAM	3	0	19.96	19.97	19.92		
1.4	16QAM	3	1	19.86	19.95	19.83		
1.4	16QAM	3	3	19.90	19.89	19.83	19.5	2
1.4	16QAM	6	0	18.62	18.59	18.53		
1.4	64QAM	1	0	18.74	18.68	18.55		
1.4	64QAM	1	3	18.69	18.59	18.55		
1.4	64QAM	1	5	18.72	18.55	18.55		
1.4	64QAM	3	0	18.85	18.78	18.78	19.5	2
1.4	64QAM	3	1	18.78	18.79	18.80		
1.4	64QAM	3	3	18.78	18.72	18.66		
1.4	64QAM	6	0	17.75	17.60	17.61	18.5	3



Band 7								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.58	14.56	14.43		
20	QPSK	1	49	14.50	14.48	14.27	15	0
20	QPSK	1	99	14.57	14.55	14.28		
20	QPSK	50	0	13.77	13.72	13.68		
20	QPSK	50	24	13.67	13.69	13.59	14	1
20	QPSK	50	50	13.70	13.64	13.57		
20	QPSK	100	0	13.82	13.72	13.69		
20	16QAM	1	0	13.90	13.83	13.77		
20	16QAM	1	49	14.00	13.91	13.78	14	1
20	16QAM	1	99	13.93	13.96	13.80		
20	16QAM	50	0	12.75	12.73	12.70		
20	16QAM	50	24	12.83	12.79	12.88	13	2
20	16QAM	50	50	12.88	12.74	12.67		
20	16QAM	100	0	12.83	12.71	12.68		
20	64QAM	1	0	12.73	12.80	12.68		
20	64QAM	1	49	12.82	12.82	12.68	13	2
20	64QAM	1	99	12.95	12.76	12.73		
20	64QAM	50	0	11.76	11.76	11.71		
20	64QAM	50	24	11.88	11.78	11.69	12	3
20	64QAM	50	50	11.86	11.79	11.70		
20	64QAM	100	0	11.88	11.78	11.69		
Channel				20925	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.51	14.46	14.38		
15	QPSK	1	37	14.49	14.43	14.17	15	0
15	QPSK	1	74	14.50	14.47	14.28		
15	QPSK	36	0	13.71	13.62	13.66		
15	QPSK	36	20	13.64	13.64	13.55	14	1
15	QPSK	36	39	13.68	13.84	13.52		
15	QPSK	75	0	13.77	13.62	13.67		
15	16QAM	1	0	13.89	13.89	13.73		
15	16QAM	1	37	13.99	13.88	13.74	14	1
15	16QAM	1	74	13.88	13.86	13.70		
15	16QAM	36	0	12.89	12.89	12.62		
15	16QAM	36	20	12.75	12.73	12.61	13	2
15	16QAM	36	39	12.79	12.64	12.67		
15	16QAM	75	0	12.81	12.71	12.63		
15	64QAM	1	0	12.67	12.76	12.83		
15	64QAM	1	37	12.75	12.79	12.67	13	2
15	64QAM	1	74	12.82	12.89	12.69		
15	64QAM	36	0	11.75	11.69	11.67		
15	64QAM	36	20	11.79	11.71	11.68	12	3
15	64QAM	36	39	11.89	11.76	11.66		
15	64QAM	75	0	11.84	11.70	11.61		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.51	14.49	14.39		
10	QPSK	1	25	14.47	14.40	14.24	15	0
10	QPSK	1	49	14.49	14.47	14.20		
10	QPSK	25	0	13.71	13.72	13.58		
10	QPSK	25	12	13.57	13.67	13.59	14	1
10	QPSK	25	25	13.70	13.67	13.47		
10	QPSK	50	0	13.74	13.83	13.64		
10	16QAM	1	0	13.83	13.83	13.74		
10	16QAM	1	25	13.97	13.90	13.71	14	1
10	16QAM	1	49	13.83	13.92	13.72		
10	16QAM	25	0	12.70	12.71	12.63		
10	16QAM	25	12	12.82	12.75	12.88	13	2
10	16QAM	25	25	12.83	12.67	12.58		
10	16QAM	50	0	12.73	12.85	12.58		
10	64QAM	1	0	12.65	12.73	12.59		
10	64QAM	1	25	12.79	12.74	12.58	13	2
10	64QAM	1	49	12.94	12.70	12.71		
10	64QAM	25	0	11.67	11.75	11.81		
10	64QAM	25	12	11.88	11.69	11.63	12	3
10	64QAM	25	25	11.67	11.71	11.62		
10	64QAM	50	0	11.86	11.74	11.64		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.49	14.50	14.35		
5	QPSK	1	12	14.50	14.45	14.25	15	0
5	QPSK	1	24	14.52	14.48	14.24		
5	QPSK	12	0	13.74	13.70	13.64		
5	QPSK	12	7	13.64	13.68	13.55	14	1
5	QPSK	12	13	13.68	13.54	13.54		
5	QPSK	25	0	13.79	13.68	13.63		
5	16QAM	1	0	13.85	13.84	13.72		
5	16QAM	1	12	13.98	13.88	13.75	14	1
5	16QAM	1	24	13.90	13.96	13.71		
5	16QAM	12	0	12.72	12.73	12.69		
5	16QAM	12	7	12.73	12.74	12.65	13	2
5	16QAM	12	13	12.85	12.68	12.58		
5	16QAM	25	0	12.83	12.65	12.67		
5	64QAM	1	0	12.70	12.80	12.66		
5	64QAM	1	12	12.82	12.73	12.68	13	2
5	64QAM	1	24	12.91	12.89	12.68		
5	64QAM	12	0	11.75	11.70	11.65		
5	64QAM	12	7	11.87	11.74	11.66	12	3
5	64QAM	12	13	11.83	11.74	11.66		
5	64QAM	25	0	11.81	11.69	11.63		



Band 7_MIMO2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	15.90	15.99	15.19		
20	QPSK	1	49	15.84	15.58	15.17	16	0
20	QPSK	1	99	15.80	15.50	15.10		
20	QPSK	50	0	14.88	14.58	14.18		
20	QPSK	50	24	14.86	14.56	14.12	15	1
20	QPSK	50	50	14.85	13.54	14.10		
20	QPSK	100	0	14.82	14.54	14.10		
20	16QAM	1	0	14.86	14.52	14.12		
20	16QAM	1	49	14.83	14.54	14.16	15	1
20	16QAM	1	99	14.85	14.54	14.11		
20	16QAM	50	0	13.86	13.59	13.14		
20	16QAM	50	24	13.80	13.59	13.14	14	2
20	16QAM	50	50	13.82	13.54	13.11		
20	16QAM	100	0	13.82	13.54	13.19		
20	64QAM	1	0	13.83	13.56	13.13		
20	64QAM	1	49	13.84	13.58	13.14	14	2
20	64QAM	1	99	13.83	13.59	13.10		
20	64QAM	50	0	12.84	12.83	12.19		
20	64QAM	50	24	12.83	12.53	12.10	13	3
20	64QAM	50	50	12.83	12.50	12.14		
20	64QAM	100	0	12.88	12.56	12.11		
Channel				20925	21100	21375		
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	15.89	15.50	15.18		
15	QPSK	1	37	15.80	15.54	15.08	16	0
15	QPSK	1	74	15.80	15.41	15.03		
15	QPSK	36	0	14.94	14.45	14.04		
15	QPSK	36	20	14.78	14.48	14.07	15	1
15	QPSK	36	39	14.83	14.53	14.10		
15	QPSK	75	0	14.72	14.52	14.09		
15	16QAM	1	0	14.77	14.50	14.04		
15	16QAM	1	37	14.78	14.53	14.06	15	1
15	16QAM	1	74	14.75	14.51	14.06		
15	16QAM	36	0	13.77	13.58	13.08		
15	16QAM	36	20	13.76	13.57	13.10	14	2
15	16QAM	36	39	13.81	13.51	13.03		
15	16QAM	75	0	13.81	13.44	13.18		
15	64QAM	1	0	13.83	13.46	13.08		
15	64QAM	1	37	13.80	13.58	13.08	14	2
15	64QAM	1	74	13.77	13.53	13.10		
15	64QAM	36	0	12.82	12.51	12.19		
15	64QAM	36	20	12.73	12.49	12.03	13	3
15	64QAM	36	39	12.74	12.49	12.04		
15	64QAM	75	0	12.88	12.51	12.05		
Channel				20800	21100	21400		
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	15.85	15.51	15.11		
10	QPSK	1	25	15.83	15.49	15.15	16	0
10	QPSK	1	49	15.72	15.40	15.01		
10	QPSK	25	0	14.88	14.51	14.08		
10	QPSK	25	12	14.78	14.54	14.15	15	1
10	QPSK	25	25	14.84	14.50	14.02		
10	QPSK	50	0	14.77	14.53	14.08		
10	16QAM	1	0	14.81	14.50	14.06		
10	16QAM	1	25	14.81	14.52	14.09	15	1
10	16QAM	1	49	14.77	14.47	14.11		
10	16QAM	25	0	13.85	13.49	13.12		
10	16QAM	25	12	13.74	13.51	13.12	14	2
10	16QAM	25	25	13.73	13.48	13.04		
10	16QAM	50	0	13.74	13.48	13.08		
10	64QAM	1	0	13.73	13.50	13.10		
10	64QAM	1	25	13.81	13.49	13.14	14	2
10	64QAM	1	49	13.83	13.50	13.01		
10	64QAM	25	0	12.79	12.46	12.14		
10	64QAM	25	12	12.75	12.52	12.05	13	3
10	64QAM	25	25	12.76	12.48	12.05		
10	64QAM	50	0	12.86	12.50	12.05		
Channel				20775	21100	21425		
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	15.80	15.58	15.19		
5	QPSK	1	12	15.74	15.49	15.08	16	0
5	QPSK	1	24	15.80	15.49	15.08		
5	QPSK	12	0	14.79	14.53	14.05		
5	QPSK	12	7	14.85	14.58	14.15	15	1
5	QPSK	12	13	14.85	14.47	14.05		
5	QPSK	25	0	14.79	14.47	14.05		
5	16QAM	1	0	14.77	14.52	14.07		
5	16QAM	1	12	14.75	14.52	14.14	15	1
5	16QAM	1	24	14.85	14.51	14.02		
5	16QAM	12	0	13.85	13.49	13.09		
5	16QAM	12	7	13.74	13.58	13.07	14	2
5	16QAM	12	13	13.79	13.44	13.10		
5	16QAM	25	0	13.77	13.46	13.09		
5	64QAM	1	0	13.76	13.56	13.06		
5	64QAM	1	12	13.80	13.53	13.08	14	2
5	64QAM	1	24	13.81	13.49	13.00		
5	64QAM	12	0	12.82	12.48	12.19		
5	64QAM	12	7	12.80	12.44	12.08	13	3
5	64QAM	12	13	12.76	12.49	12.04		
5	64QAM	25	0	12.78	12.46	12.07		



Band 13									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				23230					
Frequency (MHz)				762					
10	QPSK	1	0		20.79				
10	QPSK	1	25		20.76		22	0	
10	QPSK	1	49		20.74				
10	QPSK	25	0		19.83				
10	QPSK	25	12		19.78		21	1	
10	QPSK	25	25		19.80				
10	QPSK	50	0		19.82				
10	16QAM	1	0		20.10				
10	16QAM	1	25		20.14		21	1	
10	16QAM	1	49		20.07				
10	16QAM	25	0		18.91				
10	16QAM	25	12		18.91		20	2	
10	16QAM	25	25		18.90				
10	16QAM	50	0		18.93				
10	64QAM	1	0		18.94				
10	64QAM	1	25		19.08		20	2	
10	64QAM	1	49		18.99				
10	64QAM	25	0		17.81				
10	64QAM	25	12		17.95		19	3	
10	64QAM	25	25		17.98				
10	64QAM	50	0		17.88				
Channel				23205		23230		23255	
Frequency (MHz)				779.5		792		784.5	
5	QPSK	1	0	20.78	20.76	20.70			
5	QPSK	1	12	20.72	20.76	20.66	22	0	
5	QPSK	1	24	20.72	20.64	20.67			
5	QPSK	12	0	19.83	19.79	19.74			
5	QPSK	12	7	19.73	19.74	19.69	21	1	
5	QPSK	12	13	19.72	19.77	19.75			
5	QPSK	25	0	19.79	19.74	19.73			
5	16QAM	1	0	20.05	20.03	20.04			
5	16QAM	1	12	20.11	20.05	20.07	21	1	
5	16QAM	1	24	20.07	20.06	19.97			
5	16QAM	12	0	18.97	18.85	18.83			
5	16QAM	12	7	18.86	18.83	18.91	20	2	
5	16QAM	12	13	18.86	18.80	18.90			
5	16QAM	25	0	18.87	18.92	18.85			
5	64QAM	1	0	18.93	18.86	18.84			
5	64QAM	1	12	18.99	19.03	18.95	20	2	
5	64QAM	1	24	18.98	18.99	18.95			
5	64QAM	12	0	17.86	17.81	17.86			
5	64QAM	12	7	17.95	17.92	17.85			
5	64QAM	12	13	17.96	17.96	17.89	19	3	
5	64QAM	25	0	17.81	17.82	17.81			



Band 14								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				23330				
Frequency (MHz)				793				
10	QPSK	1	0		20.33			
10	QPSK	1	25		20.27		21.5	0
10	QPSK	1	49		20.28			
10	QPSK	25	0		19.47			
10	QPSK	25	12		19.38		20.5	1
10	QPSK	25	25		19.43			
10	QPSK	50	0		19.36			
10	16QAM	1	0		19.71			
10	16QAM	1	25		19.70		20.5	1
10	16QAM	1	49		19.67			
10	16QAM	25	0		18.37			
10	16QAM	25	12		18.39		19.5	2
10	16QAM	25	25		18.42			
10	16QAM	50	0		18.38			
10	64QAM	1	0		18.57			
10	64QAM	1	25		18.65		19.5	2
10	64QAM	1	49		18.60			
10	64QAM	25	0		17.40			
10	64QAM	25	12		17.43		18.5	3
10	64QAM	25	25		17.45			
10	64QAM	50	0		17.41			
Channel				23305	23330	23355	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				790.5	793	795.5		
5	QPSK	1	0	20.29	20.32	20.23		
5	QPSK	1	12	20.21	20.21	20.23	21.5	0
5	QPSK	1	24	20.22	20.25	20.20		
5	QPSK	12	0	19.43	19.45	19.43		
5	QPSK	12	7	19.30	19.29	19.28	20.5	1
5	QPSK	12	13	19.34	19.41	19.37		
5	QPSK	25	0	19.34	19.32	19.28		
5	16QAM	1	0	19.64	19.63	19.61		
5	16QAM	1	12	19.65	19.67	19.64	20.5	1
5	16QAM	1	24	19.62	19.64	19.65		
5	16QAM	12	0	18.28	18.29	18.33		
5	16QAM	12	7	18.29	18.36	18.33	19.5	2
5	16QAM	12	13	18.33	18.37	18.36		
5	16QAM	25	0	18.30	18.37	18.34		
5	64QAM	1	0	18.56	18.48	18.53		
5	64QAM	1	12	18.64	18.61	18.65	19.5	2
5	64QAM	1	24	18.50	18.60	18.57		
5	64QAM	12	0	17.39	17.37	17.32		
5	64QAM	12	7	17.35	17.42	17.43	18.5	3
5	64QAM	12	13	17.37	17.44	17.35		
5	64QAM	25	0	17.32	17.38	17.40		

Band 25								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26140	26340	26590		
Frequency (MHz)				1860	1880	1905		
20	QPSK	1	0	17.43	17.34	17.26		
20	QPSK	1	49	17.34	17.30	17.21	18	0
20	QPSK	1	99	17.33	17.23	17.13		
20	QPSK	50	0	16.65	16.45	16.39		
20	QPSK	50	24	16.62	16.42	16.36	17	1
20	QPSK	50	50	16.53	16.43	16.37		
20	16QAM	100	0	16.61	16.42	16.40		
20	16QAM	1	0	16.63	16.71	16.63		
20	16QAM	1	49	16.73	16.63	16.53	17	1
20	16QAM	1	99	16.59	16.62	16.52		
20	16QAM	50	0	15.58	15.44	15.39		
20	16QAM	50	24	15.58	15.54	15.42	16	2
20	16QAM	50	50	15.57	15.50	15.37		
20	64QAM	100	0	15.58	15.46	15.41		
20	64QAM	1	0	15.70	15.59	15.44		
20	64QAM	1	49	15.69	15.56	15.45	16	2
20	64QAM	1	99	15.62	15.56	15.40		
20	64QAM	50	0	14.81	14.47	14.40		
20	64QAM	50	24	14.61	14.52	14.44	15	3
20	64QAM	50	50	14.36	14.48	14.40		
20	64QAM	100	0	14.58	14.46	14.39		
Channel				26115	26340	26615	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1907.5		
15	QPSK	1	0	17.36	17.26	17.17		
15	QPSK	1	37	17.28	17.21	17.18	18	0
15	QPSK	1	74	17.24	17.13	17.13		
15	QPSK	36	0	16.58	16.39	16.35		
15	QPSK	36	20	16.54	16.37	16.29	17	1
15	QPSK	36	39	16.44	16.34	16.37		
15	QPSK	75	0	16.52	16.41	16.30		
15	16QAM	1	0	16.78	16.62	16.56		
15	16QAM	1	37	16.73	16.68	16.52	17	1
15	16QAM	1	74	16.51	16.56	16.51		
15	16QAM	36	0	15.50	15.41	15.38		
15	16QAM	36	20	15.55	15.45	15.38	16	2
15	16QAM	36	39	15.57	15.46	15.37		
15	16QAM	75	0	15.51	15.39	15.38		
15	64QAM	1	0	15.80	15.49	15.43		
15	64QAM	1	37	15.69	15.56	15.39	16	2
15	64QAM	1	74	15.56	15.55	15.38		
15	64QAM	36	0	14.57	14.47	14.34		
15	64QAM	36	20	14.59	14.42	14.38	15	3
15	64QAM	36	39	14.49	14.39	14.39		
15	64QAM	75	0	14.56	14.43	14.31		
Channel				26090	26340	26640	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1910		
10	QPSK	1	0	17.35	17.29	17.26		
10	QPSK	1	25	17.32	17.23	17.15	18	0
10	QPSK	1	49	17.28	17.19	17.07		
10	QPSK	25	0	16.57	16.37	16.37		
10	QPSK	25	12	16.58	16.39	16.28	17	1
10	QPSK	25	25	16.47	16.41	16.29		
10	QPSK	50	0	16.59	16.39	16.31		
10	16QAM	1	0	16.81	16.68	16.57		
10	16QAM	1	25	16.70	16.56	16.52	17	1
10	16QAM	1	49	16.59	16.60	16.42		
10	16QAM	25	0	15.52	15.34	15.31		
10	16QAM	25	12	15.51	15.51	15.40	16	2
10	16QAM	25	25	15.52	15.49	15.27		
10	16QAM	50	0	15.51	15.38	15.32		
10	64QAM	1	0	15.65	15.53	15.39		
10	64QAM	1	25	15.64	15.52	15.41	16	2
10	64QAM	1	49	15.57	15.56	15.32		
10	64QAM	25	0	14.54	14.38	14.38		
10	64QAM	25	12	14.55	14.46	14.34	15	3
10	64QAM	25	25	14.58	14.47	14.35		
10	64QAM	50	0	14.58	14.41	14.33		
Channel				26065	26340	26665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1912.5		
5	QPSK	1	0	17.40	17.25	17.25		
5	QPSK	1	12	17.32	17.28	17.18	18	0
5	QPSK	1	24	17.32	17.19	17.12		
5	QPSK	12	0	16.64	16.43	16.37		
5	QPSK	12	7	16.61	16.35	16.32	17	1
5	QPSK	12	13	16.49	16.34	16.28		
5	QPSK	25	0	16.56	16.38	16.33		
5	16QAM	1	0	16.76	16.69	16.57		
5	16QAM	1	12	16.71	16.62	16.52	17	1
5	16QAM	1	24	16.58	16.62	16.51		
5	16QAM	12	0	15.56	15.44	15.39		
5	16QAM	12	7	15.62	15.54	15.38	16	2
5	16QAM	12	13	15.48	15.46	15.36		
5	16QAM	25	0	15.49	15.39	15.33		
5	64QAM	1	0	15.65	15.69	15.44		
5	64QAM	1	12	15.66	15.50	15.42	16	2
5	64QAM	1	24	15.60	15.53	15.31		
5	64QAM	12	0	14.53	14.37	14.30		
5	64QAM	12	7	14.59	14.44	14.41	15	3
5	64QAM	12	13	14.46	14.45	14.33		
5	64QAM	25	0	14.59	14.44	14.33		
Channel				26055	26340	26675	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1913.5		
3	QPSK	1	0	17.38	17.29	17.23		
3	QPSK	1	8	17.26	17.22	17.17	18	0
3	QPSK	1	14	17.26	17.17	17.05		
3	QPSK	8	0	16.56	16.35	16.32		
3	QPSK	8	4	16.59	16.42	16.31	17	1
3	QPSK	8	7	16.43	16.37	16.28		
3	QPSK	15	0	16.57	16.36	16.30		
3	16QAM	1	0	16.76	16.69	16.54		
3	16QAM	1	8	16.65	16.55	16.43	17	1
3	16QAM	1	14	16.51	16.69	16.49		
3	16QAM	8	0	15.48	15.44	15.30		
3	16QAM	8	4	15.58	15.50	15.38	16	2
3	16QAM	8	7	15.53	15.48	15.32		
3	16QAM	15	0	15.50	15.46	15.35		
3	64QAM	1	0	15.62	15.58	15.44		
3	64QAM	1	8	15.61	15.54	15.45	16	2
3	64QAM	1	14	15.59	15.47	15.40		
3	64QAM	8	0	14.52	14.43	14.38		
3	64QAM	8	4	14.52	14.49	14.39	15	3
3	64QAM	8	7	14.52	14.46	14.31		
3	64QAM	15	0	14.49	14.37	14.37		
Channel				26047	26340	26683	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1914.3		
1.4	QPSK	1	0	17.34	17.31	17.24		
1.4	QPSK	1	3	17.27	17.22	17.12	18	0
1.4	QPSK	1	5	17.26	17.15	17.09		
1.4	QPSK	3	0	17.27	17.21	17.22		
1.4	QPSK	3	1	17.20	17.22	17.04		
1.4	QPSK	3	3	17.20	17.07	17.03		
1.4	QPSK	6	0	16.55	16.44	16.29	17	1
1.4	16QAM	1	0	16.55	16.36	16.35		
1.4	16QAM	1	3	16.45	16.35	16.35		
1.4	16QAM	1	5	16.60	16.39	16.40	17	1
1.4	16QAM	3	0	16.75	16.61	16.53		
1.4	16QAM	3	1	16.67	16.59	16.50		
1.4	16QAM	3	3	16.56	16.53	16.45		
1.4	16QAM	6	0	15.54	15.39	15.39	16	2
1.4	64QAM	1	0	15.49	15.45	15.37		
1.4	64QAM	1	3	15.49	15.49	15.34		
1.4	64QAM	1	5	15.51	15.36	15.39	16	2
1.4	64QAM	3	0	15.70	15.57	15.34		
1.4	64QAM	3	1	15.65	15.48	15.41		
1.4	64QAM	3	3	15.59	15.49	15.40		
1.4	64QAM	6	0	14.55	14.46	14.32	15	3



Band 26								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				26765	26865	26965		
Frequency (MHz)				821.5	831.5	841.5		
15	QPSK	1	0	20.72	20.82	20.70	21.5	0
15	QPSK	1	37	20.82	20.81	20.80		
15	QPSK	1	74	20.86	20.75	20.52		
15	QPSK	36	0	19.78	19.94	19.77		
15	QPSK	36	20	19.82	19.92	19.71	20.5	1
15	QPSK	36	39	19.79	19.93	19.77		
15	QPSK	75	0	19.84	19.89	19.71		
15	16QAM	1	0	20.03	20.11	20.05		
15	16QAM	1	37	20.00	20.12	19.99	20.5	1
15	16QAM	1	74	19.97	20.04	19.80		
15	16QAM	36	0	18.79	18.94	18.80		
15	16QAM	36	20	18.82	18.90	18.71	19.5	2
15	16QAM	36	39	18.78	18.95	18.73		
15	16QAM	75	0	18.83	18.82	18.76		
15	64QAM	1	0	18.94	18.98	18.90		
15	64QAM	1	37	18.85	19.03	18.87	19.5	2
15	64QAM	1	74	18.89	18.93	18.71		
15	64QAM	36	0	17.83	17.88	17.83		
15	64QAM	36	20	17.87	17.97	17.76	18.5	3
15	64QAM	36	39	17.80	18.01	17.83		
15	64QAM	75	0	17.84	17.93	17.76		
Channel				26740	26865	26990		
Frequency (MHz)				819	831.5	844		
10	QPSK	1	0	20.65	20.77	20.65	21.5	0
10	QPSK	1	25	20.53	20.79	20.56		
10	QPSK	1	49	20.61	20.69	20.49		
10	QPSK	25	0	19.74	19.88	19.69		
10	QPSK	25	12	19.81	19.91	19.62	20.5	1
10	QPSK	25	25	19.68	19.83	19.72		
10	QPSK	50	0	19.78	19.81	19.64		
10	16QAM	1	0	19.99	20.04	19.95		
10	16QAM	1	25	19.91	20.12	19.98	20.5	1
10	16QAM	1	49	19.97	19.99	19.75		
10	16QAM	25	0	18.72	18.83	18.70		
10	16QAM	25	12	18.78	18.89	18.70	19.5	2
10	16QAM	25	25	18.78	18.89	18.68		
10	16QAM	50	0	18.78	18.84	18.66		
10	64QAM	1	0	18.85	18.95	18.82		
10	64QAM	1	25	18.83	18.97	18.83	19.5	2
10	64QAM	1	49	18.82	18.88	18.64		
10	64QAM	25	0	17.75	17.88	17.79		
10	64QAM	25	12	17.87	17.87	17.73	18.5	3
10	64QAM	25	25	17.71	17.96	17.77		
10	64QAM	50	0	17.76	17.83	17.71		
Channel				26715	26865	27015		
Frequency (MHz)				816.5	831.5	846.5		
5	QPSK	1	0	20.66	20.74	20.60	21.5	0
5	QPSK	1	12	20.58	20.77	20.51		
5	QPSK	1	24	20.59	20.75	20.48		
5	QPSK	12	0	19.68	19.90	19.70		
5	QPSK	12	7	19.72	19.82	19.70	20.5	1
5	QPSK	12	13	19.70	19.84	19.70		
5	QPSK	25	0	19.81	19.89	19.62		
5	16QAM	1	0	19.98	20.07	19.99		
5	16QAM	1	12	19.98	20.08	19.92	20.5	1
5	16QAM	1	24	19.97	20.02	19.74		
5	16QAM	12	0	18.71	18.90	18.71		
5	16QAM	12	7	18.81	18.89	18.81	19.5	2
5	16QAM	12	13	18.76	18.87	18.68		
5	16QAM	25	0	18.79	18.90	18.67		
5	64QAM	1	0	18.91	18.93	18.85		
5	64QAM	1	12	18.78	18.97	18.82	19.5	2
5	64QAM	1	24	18.84	18.90	18.66		
5	64QAM	12	0	17.75	17.89	17.75		
5	64QAM	12	7	17.81	17.87	17.69	18.5	3
5	64QAM	12	13	17.70	17.84	17.77		
5	64QAM	25	0	17.74	17.83	17.72		
Channel				26705	26865	27025		
Frequency (MHz)				815.5	831.5	847.5		
3	QPSK	1	0	20.70	20.77	20.62	21.5	0
3	QPSK	1	8	20.62	20.71	20.59		
3	QPSK	1	14	20.57	20.66	20.45		
3	QPSK	8	0	19.76	19.87	19.68		
3	QPSK	8	4	19.74	19.84	19.69	20.5	1
3	QPSK	8	7	19.76	19.85	19.72		
3	QPSK	15	0	19.76	19.89	19.70		
3	16QAM	1	0	19.97	20.09	19.98		
3	16QAM	1	8	19.99	20.07	19.94	20.5	1
3	16QAM	1	14	19.91	19.99	19.73		
3	16QAM	8	0	18.71	18.94	18.71		
3	16QAM	8	4	18.78	18.94	18.61	19.5	2
3	16QAM	8	7	18.75	18.95	18.71		
3	16QAM	15	0	18.78	18.85	18.73		
3	64QAM	1	0	18.89	18.97	18.89		
3	64QAM	1	8	18.83	19.02	18.82	19.5	2
3	64QAM	1	14	18.82	18.84	18.69		
3	64QAM	8	0	17.80	17.92	17.82		
3	64QAM	8	4	17.78	17.95	17.68	18.5	3
3	64QAM	8	7	17.79	17.95	17.73		
3	64QAM	15	0	17.76	17.86	17.73		
Channel				26977	26965	27033		
Frequency (MHz)				814.7	831.5	849.3		
1.4	QPSK	1	0	20.67	20.61	20.61	21.5	0
1.4	QPSK	1	3	20.60	20.77	20.60		
1.4	QPSK	1	5	20.59	20.75	20.46		
1.4	QPSK	3	0	20.65	20.73	20.53		
1.4	QPSK	3	1	20.59	20.69	20.59	20.5	1
1.4	QPSK	3	3	20.53	20.71	20.43		
1.4	QPSK	6	0	19.74	19.88	19.73		
1.4	16QAM	1	0	19.79	19.88	19.61	20.5	1
1.4	16QAM	1	3	19.76	19.91	19.75		
1.4	16QAM	1	5	19.81	19.82	19.70		
1.4	16QAM	3	0	19.94	20.06	20.05	20.5	1
1.4	16QAM	3	1	19.90	20.06	19.90		
1.4	16QAM	3	3	19.89	20.02	19.79		
1.4	16QAM	6	0	18.72	18.85	18.75	19.5	2
1.4	64QAM	1	0	18.77	18.81	18.65		
1.4	64QAM	1	3	18.75	18.91	18.66		
1.4	64QAM	1	5	18.75	18.88	18.72	19.5	2
1.4	64QAM	3	0	18.90	18.97	18.80		
1.4	64QAM	3	1	18.76	19.02	18.82		
1.4	64QAM	3	3	18.79	18.87	18.65		
1.4	64QAM	6	0	17.81	17.87	17.68	18.5	3



Band 30									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	MPR (dB)		
Channel				27710			Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2310					
10	QPSK	1	0		17.67		18	0	
10	QPSK	1	25		17.66				
10	QPSK	1	49		17.63				
10	QPSK	25	0		16.69		17	1	
10	QPSK	25	12		16.69				
10	QPSK	25	25		16.66				
10	QPSK	50	0		16.71		17	1	
10	16QAM	1	0		17.00				
10	16QAM	1	25		17.00				
10	16QAM	1	49		16.98		16	2	
10	16QAM	25	0		15.75				
10	16QAM	25	12		15.67				
10	16QAM	25	25		15.72		16	2	
10	16QAM	50	0		15.96				
10	64QAM	1	0		15.90				
10	64QAM	1	25		15.90		16	2	
10	64QAM	1	49		15.77				
10	64QAM	25	0		14.75				
10	64QAM	25	12		14.73		15	3	
10	64QAM	25	25		14.98				
10	64QAM	50	0		14.70				
Channel				27695		27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5		2310	2312.5		
5	QPSK	1	0	17.63	17.62	17.62	18	0	
5	QPSK	1	12	17.49	17.64	17.46			
5	QPSK	1	24	17.43	17.49	17.44			
5	QPSK	12	0	16.66	16.69	16.62	17	1	
5	QPSK	12	7	16.68	16.69	16.60			
5	QPSK	12	13	16.63	16.67	16.69			
5	QPSK	25	0	16.62	16.69	16.68	17	1	
5	16QAM	1	0	16.98	16.94	16.97			
5	16QAM	1	12	16.96	16.98	17.00			
5	16QAM	1	24	16.89	16.88	16.96	17	1	
5	16QAM	12	0	15.86	15.88	15.75			
5	16QAM	12	7	15.88	15.81	15.63			
5	16QAM	12	13	15.62	15.69	15.66	16	2	
5	16QAM	25	0	15.68	15.60	15.58			
5	64QAM	1	0	15.89	15.81	15.85			
5	64QAM	1	12	15.88	15.85	15.85	16	2	
5	64QAM	1	24	15.74	15.72	15.71			
5	64QAM	12	0	14.75	14.67	14.72			
5	64QAM	12	7	14.66	14.69	14.68	15	3	
5	64QAM	12	13	14.61	14.63	14.58			
5	64QAM	25	0	14.60	14.64	14.65			



Band 66								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel								
Frequency (MHz)								
132072 132322 132572								
1720 1745 1770								
20	QPSK	1	0	16.00	17.77	17.69		
20	QPSK	1	49	17.85	17.64	17.65	18.5	0
20	QPSK	1	99	17.74	17.59	17.50		
20	QPSK	50	0	17.06	16.88	16.75		
20	QPSK	50	24	16.95	16.84	16.71	17.5	1
20	QPSK	50	50	16.89	16.78	16.75		
20	16QAM	100	0	16.91	16.79	16.73		
20	16QAM	1	0	17.30	17.14	17.08		
20	16QAM	1	49	17.23	17.01	16.93	17.5	1
20	16QAM	1	99	17.09	16.98	16.86		
20	16QAM	50	0	16.08	15.90	15.79		
20	16QAM	50	24	15.97	15.85	15.76	16.5	2
20	16QAM	50	50	15.91	15.83	15.75		
20	16QAM	100	0	15.93	15.83	15.73		
20	64QAM	1	0	16.21	16.03	15.94		
20	64QAM	1	49	16.10	15.87	15.85	16.5	2
20	64QAM	1	99	15.94	15.85	15.75		
20	64QAM	50	0	15.10	14.91	14.79		
20	64QAM	50	24	14.97	14.87	14.77	15.5	3
20	64QAM	50	50	14.92	14.82	14.79		
20	64QAM	100	0	14.94	14.83	14.73		
Channel								
Frequency (MHz)								
132047 132322 132597								
1717.5 1745 1772.5								
15	QPSK	1	0	17.94	17.71	17.59		
15	QPSK	1	37	17.77	17.60	17.65	18.5	0
15	QPSK	1	74	17.71	17.62	17.43		
15	QPSK	36	0	17.04	16.85	16.75		
15	QPSK	36	20	16.91	16.78	16.66	17.5	1
15	QPSK	36	39	16.84	16.68	16.70		
15	QPSK	75	0	16.84	16.74	16.72		
15	16QAM	1	0	17.27	17.14	17.02		
15	16QAM	1	37	17.23	16.98	16.85	17.5	1
15	16QAM	1	74	17.06	16.98	16.76		
15	16QAM	36	0	15.98	15.88	15.73		
15	16QAM	36	20	15.90	15.78	15.73	16.5	2
15	16QAM	36	39	15.89	15.81	15.72		
15	16QAM	75	0	15.87	15.83	15.73		
15	64QAM	1	0	16.12	16.00	15.85		
15	64QAM	1	37	16.08	15.83	15.75	16.5	2
15	64QAM	1	74	15.99	15.77	15.72		
15	64QAM	36	0	15.02	14.82	14.75		
15	64QAM	36	20	14.95	14.83	14.76	15.5	3
15	64QAM	36	39	14.90	14.77	14.70		
15	64QAM	75	0	14.86	14.82	14.68		
Channel								
Frequency (MHz)								
132022 132322 132622								
1715 1745 1775								
10	QPSK	1	0	17.97	17.72	17.63		
10	QPSK	1	25	17.83	17.63	17.59	18.5	0
10	QPSK	1	49	17.71	17.57	17.43		
10	QPSK	25	0	16.96	16.81	16.75		
10	QPSK	25	12	16.92	16.80	16.71	17.5	1
10	QPSK	25	25	16.84	16.68	16.75		
10	QPSK	50	0	16.81	16.75	16.73		
10	16QAM	1	0	17.30	17.11	17.09		
10	16QAM	1	25	17.14	16.92	16.84	17.5	1
10	16QAM	1	49	17.03	16.95	16.81		
10	16QAM	25	0	16.04	15.82	15.72		
10	16QAM	25	12	15.90	15.75	15.76	16.5	2
10	16QAM	25	25	15.87	15.75	15.74		
10	16QAM	50	0	15.85	15.80	15.68		
10	64QAM	1	0	16.15	15.97	15.93		
10	64QAM	1	25	16.08	15.79	15.77	16.5	2
10	64QAM	1	49	15.84	15.82	15.69		
10	64QAM	25	0	15.04	14.84	14.79		
10	64QAM	25	12	14.87	14.82	14.74	15.5	3
10	64QAM	25	25	14.92	14.74	14.79		
10	64QAM	50	0	14.86	14.73	14.72		
Channel								
Frequency (MHz)								
131997 132322 132647								
1712.5 1745 1777.5								
5	QPSK	1	0	17.99	17.69	17.67		
5	QPSK	1	12	17.82	17.66	17.58	18.5	0
5	QPSK	1	24	17.74	17.59	17.50		
5	QPSK	12	0	16.86	16.82	16.67		
5	QPSK	12	7	16.91	16.84	16.61	17.5	1
5	QPSK	12	13	16.89	16.77	16.68		
5	QPSK	25	0	16.81	16.72	16.70		
5	16QAM	1	0	17.29	17.09	17.00		
5	16QAM	1	12	17.19	16.91	16.86	17.5	1
5	16QAM	1	24	17.09	16.92	16.86		
5	16QAM	12	0	16.04	15.87	15.77		
5	16QAM	12	7	15.94	15.85	15.73	16.5	2
5	16QAM	12	13	15.84	15.79	15.75		
5	16QAM	25	0	15.84	15.81	15.67		
5	64QAM	1	0	16.20	15.94	15.92		
5	64QAM	1	12	16.02	15.85	15.83	16.5	2
5	64QAM	1	24	15.98	15.76	15.66		
5	64QAM	12	0	15.00	14.91	14.77		
5	64QAM	12	7	14.97	14.85	14.77	15.5	3
5	64QAM	12	13	14.84	14.76	14.69		
5	64QAM	25	0	14.92	14.79	14.71		
Channel								
Frequency (MHz)								
131972 132322 132697								
1711.5 1745 1778.5								
3	QPSK	1	0	17.99	17.73	17.66		
3	QPSK	1	8	17.76	17.66	17.58	18.5	0
3	QPSK	1	14	17.69	17.51	17.40		
3	QPSK	8	0	16.98	16.86	16.74		
3	QPSK	8	4	16.91	16.74	16.67	17.5	1
3	QPSK	8	7	16.81	16.69	16.74		
3	QPSK	15	0	16.82	16.76	16.69		
3	16QAM	1	0	17.29	17.08	17.07		
3	16QAM	1	8	17.23	16.95	16.91	17.5	1
3	16QAM	1	14	17.04	16.92	16.77		
3	16QAM	8	0	16.07	15.80	15.79		
3	16QAM	8	4	15.94	15.83	15.75	16.5	2
3	16QAM	8	7	15.90	15.79	15.69		
3	16QAM	15	0	15.85	15.82	15.65		
3	64QAM	1	0	16.13	15.97	15.86		
3	64QAM	1	8	16.02	15.85	15.77	16.5	2
3	64QAM	1	14	15.85	15.82	15.74		
3	64QAM	8	0	15.09	14.87	14.73		
3	64QAM	8	4	14.87	14.77	14.72	15.5	3
3	64QAM	8	7	14.94	14.76	14.71		
3	64QAM	15	0	14.86	14.77	14.70		
Channel								
Frequency (MHz)								
131979 132322 132685								
1710.7 1745 1779.3								
1.4	QPSK	1	0	17.90	17.77	17.64		
1.4	QPSK	1	3	17.83	17.60	17.62	18.5	0
1.4	QPSK	1	5	17.69	17.54	17.48		
1.4	QPSK	3	0	17.07	17.69	17.62		
1.4	QPSK	3	1	17.83	17.60	17.52		
1.4	QPSK	3	3	17.61	17.63	17.38		
1.4	QPSK	6	0	17.04	16.85	16.67	17.5	1
1.4	16QAM	1	0	16.86	16.84	16.67		
1.4	16QAM	1	3	16.86	16.72	16.71		
1.4	16QAM	1	5	16.91	16.74	16.67	17.5	1
1.4	16QAM	3	0	17.27	17.11	17.03		
1.4	16QAM	3	1	17.20	16.94	16.93		
1.4	16QAM	3	3	17.03	16.95	16.78		
1.4	16QAM	6	0	16.05	15.82	15.70	16.5	2
1.4	64QAM	1	0	15.96	15.79	15.70		
1.4	64QAM	1	3	15.84	15.79	15.71		
1.4	64QAM	1	5	15.98	15.79	15.69	16.5	2
1.4	64QAM	3	0	16.17	15.94	15.87		
1.4	64QAM	3	1	16.01	15.83	15.80		
1.4	64QAM	3	3	15.90	15.80	15.66		
1.4	64QAM	6	0	14.87	14.75	14.70	15.5	3



Band 66_MIMO2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770			
20	QPSK	1	0	16.62	16.81	16.06			
20	QPSK	1	49	16.58	16.80	16.04	17	0	
20	QPSK	1	99	16.52	16.78	16.03			
20	QPSK	50	0	15.62	15.81	14.88			
20	QPSK	50	24	15.55	15.80	14.90	16	1	
20	QPSK	50	50	15.50	15.71	14.87			
20	QPSK	100	0	15.26	15.79	14.98			
20	16QAM	1	0	15.57	15.77	14.96			
20	16QAM	1	49	15.57	15.74	15.02	16	1	
20	16QAM	1	99	15.54	15.74	15.01			
20	16QAM	50	0	14.55	14.75	14.04			
20	16QAM	50	24	14.57	14.80	13.98	15	2	
20	16QAM	50	50	14.56	14.74	14.03			
20	16QAM	100	0	14.52	14.76	13.99			
20	64QAM	1	0	14.57	14.74	13.98			
20	64QAM	1	49	14.58	14.81	14.03	15	2	
20	64QAM	1	99	14.61	14.71	13.98			
20	64QAM	50	0	13.60	13.78	13.06			
20	64QAM	50	24	13.61	13.73	13.05			
20	64QAM	50	50	13.59	13.79	12.98	14	3	
20	64QAM	100	0	13.61	13.72	12.96			
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	QPSK	1	0	16.62	16.74	15.98			
15	QPSK	1	37	16.50	16.76	16.00	17	0	
15	QPSK	1	74	16.49	16.70	15.93			
15	QPSK	36	0	15.54	15.89	14.90			
15	QPSK	36	20	15.54	15.78	14.90	16	1	
15	QPSK	36	39	15.45	15.89	14.82			
15	QPSK	75	0	15.52	15.78	14.91			
15	16QAM	1	0	15.51	15.67	14.88			
15	16QAM	1	37	15.54	15.65	14.99	16	1	
15	16QAM	1	74	15.46	15.73	14.99			
15	16QAM	36	0	14.48	14.85	13.95			
15	16QAM	36	20	14.55	14.80	13.97	15	2	
15	16QAM	36	39	14.49	14.65	14.02			
15	16QAM	75	0	14.62	14.76	13.90			
15	64QAM	1	0	14.49	14.66	13.97			
15	64QAM	1	37	14.56	14.76	13.97	15	2	
15	64QAM	1	74	14.52	14.67	13.95			
15	64QAM	36	0	13.22	13.69	13.02			
15	64QAM	36	20	13.51	13.69	13.04	14	3	
15	64QAM	36	39	13.51	13.72	12.90			
15	64QAM	75	0	13.60	13.68	12.92			
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	QPSK	1	0	16.54	16.79	16.04			
10	QPSK	1	25	16.52	16.72	15.96	17	0	
10	QPSK	1	49	16.43	16.70	16.01			
10	QPSK	25	0	15.52	15.74	14.94			
10	QPSK	25	12	15.46	15.79	14.94	16	1	
10	QPSK	25	25	15.43	15.61	14.84			
10	QPSK	50	0	15.55	15.72	14.91			
10	16QAM	1	0	15.57	15.78	14.92			
10	16QAM	1	25	15.53	15.84	15.01	16	1	
10	16QAM	1	49	15.54	15.64	14.99			
10	16QAM	25	0	14.52	14.69	13.95			
10	16QAM	25	12	14.56	14.77	13.92	15	2	
10	16QAM	25	25	14.56	14.65	13.97			
10	16QAM	50	0	14.56	14.76	13.98			
10	64QAM	1	0	14.56	14.73	13.92			
10	64QAM	1	25	14.58	14.73	14.00	15	2	
10	64QAM	1	49	14.61	14.70	13.98			
10	64QAM	25	0	13.56	13.77	12.97			
10	64QAM	25	12	13.52	13.64	13.05	14	3	
10	64QAM	25	25	13.59	13.73	12.96			
10	64QAM	50	0	13.58	13.70	12.96			
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	QPSK	1	0	16.62	16.73	16.05			
5	QPSK	1	12	16.52	16.76	15.98	17	0	
5	QPSK	1	24	16.46	16.71	15.94			
5	QPSK	12	0	15.54	15.74	14.89			
5	QPSK	12	7	15.45	15.77	14.87	16	1	
5	QPSK	12	13	15.43	15.65	14.80			
5	QPSK	25	0	15.55	15.76	14.97			
5	16QAM	1	0	15.49	15.77	14.87			
5	16QAM	1	12	15.52	15.64	14.97	16	1	
5	16QAM	1	24	15.50	15.71	14.92			
5	16QAM	12	0	14.52	14.69	14.04			
5	16QAM	12	7	14.49	14.75	13.98	15	2	
5	16QAM	12	13	14.50	14.69	13.95			
5	16QAM	25	0	14.61	14.72	13.97			
5	64QAM	1	0	14.49	14.73	13.94			
5	64QAM	1	12	14.52	14.81	13.95	15	2	
5	64QAM	1	24	14.51	14.68	13.96			
5	64QAM	12	0	13.54	13.77	13.02			
5	64QAM	12	7	13.61	13.70	12.95	14	3	
5	64QAM	12	13	13.54	13.79	12.92			
5	64QAM	25	0	13.60	13.65	12.93			
Channel				131987	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1711.5	1745	1778.5			
3	QPSK	1	0	16.62	16.81	16.03			
3	QPSK	1	8	16.50	16.72	16.00	17	0	
3	QPSK	1	14	16.46	16.76	16.03			
3	QPSK	8	0	15.59	15.73	14.98			
3	QPSK	8	4	15.46	15.72	14.81	16	1	
3	QPSK	8	7	15.40	15.63	14.84			
3	QPSK	15	0	15.55	15.77	14.97			
3	16QAM	1	0	15.50	15.77	14.94			
3	16QAM	1	8	15.55	15.68	14.98	16	1	
3	16QAM	1	14	15.45	15.64	14.92			
3	16QAM	8	0	14.47	14.72	14.02			
3	16QAM	8	4	14.56	14.72	13.95	15	2	
3	16QAM	8	7	14.55	14.84	13.98			
3	16QAM	15	0	14.57	14.67	13.95			
3	64QAM	1	0	14.53	14.65	13.93			
3	64QAM	1	8	14.56	14.76	13.99	15	2	
3	64QAM	1	14	14.52	14.68	13.94			
3	64QAM	8	0	13.60	13.69	12.97			
3	64QAM	8	4	13.52	13.68	13.03	14	3	
3	64QAM	8	7	13.59	13.72	12.90			
3	64QAM	15	0	13.51	13.66	12.91			
Channel				131979	132322	132685	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1710.7	1745	1779.3			
1.4	QPSK	1	0	16.55	16.78	16.02			
1.4	QPSK	1	3	16.45	16.78	16.02	17	0	
1.4	QPSK	3	0	16.59	16.80	16.04			
1.4	QPSK	3	1	16.57	16.75	16.01			
1.4	QPSK	3	3	16.47	16.71	15.97			
1.4	QPSK	6	0	15.54	15.78	14.95	16	1	
1.4	16QAM	1	0	15.52	15.72	14.94			
1.4	16QAM	1	3	15.53	15.72	15.00			
1.4	16QAM	1	5	15.54	15.70	14.91	16	1	
1.4	16QAM	3	0	15.48	15.69	14.90			
1.4	16QAM	3	1	15.57	15.70	14.99			
1.4	16QAM	3	3	15.46	15.65	14.97	15	2	
1.4	16QAM	6	0	14.55	14.73	13.97			
1.4	64QAM	1	0	14.57	14.74	13.89			
1.4	64QAM	1	3	14.53	14.76	13.95			
1.4	64QAM	1	5	14.59	14.63	13.96	15	2	
1.4	64QAM	3	0	14.47	14.70	13.94			
1.4	64QAM	3	1	14.49	14.79	13.98			
1.4	64QAM	3	3	14.52	14.62	13.94			
1.4	64QAM	6	0	13.58	13.62	12.95	14	3	



Band 38									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	23.89	23.92	23.91	24.5	0	
20	QPSK	1	49	23.85	23.85	23.85			
20	QPSK	1	99	23.82	23.77	23.81			
20	QPSK	50	0	22.87	22.96	22.92	23.5	1	
20	QPSK	50	24	22.85	22.82	22.90			
20	QPSK	50	50	22.89	22.87	22.82			
20	QPSK	100	0	22.93	23.00	22.98	23.5	1	
20	16QAM	1	0	22.91	22.92	22.82			
20	16QAM	1	49	22.87	22.93	22.92			
20	16QAM	1	99	22.91	22.93	22.92	22.5	2	
20	16QAM	50	0	21.92	21.99	21.93			
20	16QAM	50	24	21.87	21.83	21.98			
20	16QAM	50	50	21.83	22.00	21.86	22.5	2	
20	16QAM	100	0	21.87	21.93	21.88			
20	64QAM	1	0	21.70	21.56	21.59			
20	64QAM	1	49	21.53	21.54	21.50	22.5	2	
20	64QAM	1	99	21.50	21.53	21.58			
20	64QAM	50	0	20.99	21.00	20.98			
20	64QAM	50	24	20.88	20.84	20.84	21.5	3	
20	64QAM	50	50	21.00	20.99	20.84			
20	64QAM	100	0	20.88	20.82	20.83			
Channel				37925	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	23.82	23.89	23.90	24.5	0	
15	QPSK	1	37	23.81	23.85	23.80			
15	QPSK	1	74	23.75	23.74	23.78			
15	QPSK	36	0	22.82	22.85	22.91	23.5	1	
15	QPSK	36	20	22.84	22.94	22.99			
15	QPSK	36	39	22.99	22.95	22.99			
15	QPSK	75	0	22.95	22.94	22.88	23.5	1	
15	16QAM	1	0	22.87	22.93	22.94			
15	16QAM	1	37	22.87	22.88	22.90			
15	16QAM	1	74	22.81	22.87	22.89	22.5	2	
15	16QAM	36	0	22.04	21.89	22.03			
15	16QAM	36	20	22.05	22.02	21.98			
15	16QAM	36	39	21.94	21.90	21.97	22.5	2	
15	16QAM	75	0	22.07	22.02	22.00			
15	64QAM	1	0	21.67	21.52	21.56			
15	64QAM	1	37	21.43	21.48	21.45	22.5	2	
15	64QAM	1	74	21.46	21.52	21.57			
15	64QAM	36	0	21.05	20.99	21.05			
15	64QAM	36	20	21.01	21.03	21.04	21.5	3	
15	64QAM	36	39	20.83	20.99	20.98			
15	64QAM	75	0	20.88	20.98	21.03			
Channel				37950	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	23.85	23.91	23.91	24.5	0	
10	QPSK	1	25	23.79	23.81	23.78			
10	QPSK	1	49	23.81	23.71	23.78			
10	QPSK	25	0	23.00	22.90	22.95	23.5	1	
10	QPSK	25	12	22.95	22.93	23.00			
10	QPSK	25	25	22.89	22.90	22.92			
10	QPSK	50	0	22.95	22.93	22.88	23.5	1	
10	16QAM	1	0	22.96	22.97	22.97			
10	16QAM	1	25	22.89	22.92	22.84			
10	16QAM	1	49	22.82	22.89	22.89	22.5	2	
10	16QAM	25	0	21.93	21.98	21.95			
10	16QAM	25	12	21.95	21.93	21.96			
10	16QAM	25	25	21.93	21.90	21.97	22.5	2	
10	16QAM	50	0	21.83	21.94	21.83			
10	64QAM	1	0	21.67	21.53	21.58			
10	64QAM	1	25	21.53	21.52	21.44	22.5	2	
10	64QAM	1	49	21.50	21.50	21.51			
10	64QAM	25	0	20.82	20.99	20.99			
10	64QAM	25	12	20.88	20.98	20.84	21.5	3	
10	64QAM	25	25	20.90	20.90	20.84			
10	64QAM	50	0	20.99	20.81	20.94			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	23.87	23.90	23.90	24.5	0	
5	QPSK	1	12	23.78	23.77	23.76			
5	QPSK	1	24	23.80	23.70	23.74			
5	QPSK	12	0	22.94	22.91	22.96	23.5	1	
5	QPSK	12	7	22.82	22.96	22.93			
5	QPSK	12	13	22.82	22.91	22.99			
5	QPSK	25	0	22.96	22.99	22.88	23.5	1	
5	16QAM	1	0	22.91	23.00	22.95			
5	16QAM	1	12	22.91	22.85	22.88			
5	16QAM	1	24	22.82	22.93	22.90	22.5	2	
5	16QAM	12	0	21.84	21.99	21.94			
5	16QAM	12	7	22.00	21.81	21.93			
5	16QAM	12	13	21.98	21.99	21.98	22.5	2	
5	16QAM	25	0	21.88	21.93	21.94			
5	64QAM	1	0	21.86	21.58	21.50			
5	64QAM	1	12	21.43	21.54	21.44	22.5	2	
5	64QAM	1	24	21.43	21.50	21.54			
5	64QAM	12	0	21.00	20.95	20.94			
5	64QAM	12	7	20.98	20.94	20.94	21.5	3	
5	64QAM	12	13	20.92	20.92	20.98			
5	64QAM	25	0	20.99	20.95	20.93			



Band 41										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				3975.0	4018.5	4062.0	4105.5	4149.0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.86	23.91	24.08	24.03	23.92	24.5	0
20	QPSK	1	49	23.88	23.85	23.95	23.83	23.79		
20	QPSK	1	99	23.90	23.80	24.01	23.81	23.82		
20	QPSK	50	0	23.01	23.03	23.12	23.04	22.88	23.5	1
20	QPSK	50	24	23.05	23.02	23.06	23.01	22.93		
20	QPSK	50	50	23.02	22.97	23.09	22.91	22.90		
20	QPSK	100	0	23.05	23.02	23.12	22.99	22.85	23.5	1
20	16QAM	1	0	23.01	23.05	23.22	23.15	22.96		
20	16QAM	1	49	23.00	22.97	23.06	22.94	22.96		
20	16QAM	1	99	23.06	22.95	23.10	22.87	22.91	22.5	2
20	16QAM	50	0	22.05	22.10	22.09	22.09	21.91		
20	16QAM	50	24	22.08	22.07	22.15	22.02	21.99		
20	16QAM	50	50	22.06	22.02	22.10	21.96	21.94	22.5	2
20	16QAM	100	0	22.08	22.04	22.13	22.00	21.88		
20	64QAM	1	0	21.58	21.64	21.70	21.75	21.42		
20	64QAM	1	49	21.56	21.57	21.59	21.53	21.46	22.5	2
20	64QAM	1	99	21.65	21.53	21.57	21.41	21.46		
20	64QAM	50	0	21.07	21.07	21.11	21.08	20.91		
20	64QAM	50	24	21.09	21.07	21.15	21.02	20.98	21.5	3
20	64QAM	50	50	21.09	21.03	21.10	20.96	20.93		
20	64QAM	100	0	21.09	21.05	21.12	21.02	20.88		
Channel				3972.5	4017.3	4062.0	4106.8	4151.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2903.5	2948.3	2993	2937.8	2982.5		
15	QPSK	1	0	23.85	23.84	24.04	24.03	23.91	24.5	0
15	QPSK	1	37	23.84	23.85	23.86	23.81	23.71		
15	QPSK	1	74	23.83	23.80	24.01	23.80	23.75		
15	QPSK	36	0	22.97	22.95	23.04	23.02	22.87	23.5	1
15	QPSK	36	20	23.05	22.98	23.09	22.99	22.91		
15	QPSK	36	39	22.99	22.92	23.07	22.89	22.81		
15	QPSK	75	0	22.96	22.96	23.09	22.93	22.80	23.5	1
15	16QAM	1	0	23.00	22.98	23.14	23.05	22.87		
15	16QAM	1	37	22.99	22.90	23.05	22.88	22.82		
15	16QAM	1	74	23.05	22.96	23.03	22.86	22.86	22.5	2
15	16QAM	36	0	21.95	22.09	22.07	22.04	21.87		
15	16QAM	36	20	22.01	21.97	22.13	22.00	21.93		
15	16QAM	36	39	21.98	22.01	22.09	21.89	21.85	22.5	2
15	16QAM	75	0	22.03	21.96	22.07	21.96	21.88		
15	64QAM	1	0	21.55	21.55	21.65	21.69	21.39		
15	64QAM	1	37	21.47	21.54	21.56	21.50	21.42	22.5	2
15	64QAM	1	74	21.60	21.51	21.60	21.40	21.43		
15	64QAM	36	0	21.02	21.00	21.02	20.99	20.85		
15	64QAM	36	20	21.08	21.06	21.13	20.84	20.97	21.5	3
15	64QAM	36	39	21.05	21.02	21.01	20.82	20.93		
15	64QAM	75	0	21.04	21.01	21.10	20.95	20.82		
Channel				3970.0	4016.0	4062.0	4108.0	4154.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2951	2954	2963	2959	2965		
10	QPSK	1	0	23.81	23.88	24.01	24.01	23.82	24.5	0
10	QPSK	1	25	23.83	23.85	23.91	23.80	23.69		
10	QPSK	1	49	23.85	23.74	23.97	23.73	23.72		
10	QPSK	25	0	22.95	22.96	23.03	22.94	22.79	23.5	1
10	QPSK	25	12	23.05	22.96	23.08	22.99	22.92		
10	QPSK	25	25	22.98	22.96	23.03	22.84	22.82		
10	QPSK	50	0	22.96	22.94	23.06	22.93	22.80	23.5	1
10	16QAM	1	0	22.98	22.99	23.15	23.15	22.87		
10	16QAM	1	25	23.00	22.87	23.00	22.92	22.84		
10	16QAM	1	49	23.05	22.91	23.00	22.82	22.82	22.5	2
10	16QAM	25	0	21.96	22.03	22.06	22.08	21.88		
10	16QAM	25	12	22.07	22.06	22.13	21.92	21.96		
10	16QAM	25	25	22.02	21.98	22.07	21.93	21.93	22.5	2
10	16QAM	50	0	22.00	21.96	22.04	21.93	21.81		
10	64QAM	1	0	21.57	21.61	21.69	21.74	21.34		
10	64QAM	1	25	21.47	21.55	21.52	21.50	21.37	22.5	2
10	64QAM	1	49	21.63	21.63	21.55	21.41	21.37		
10	64QAM	25	0	21.02	20.98	21.05	20.96	20.83		
10	64QAM	25	12	21.04	20.95	21.10	21.02	20.97	21.5	3
10	64QAM	25	25	21.02	20.95	21.07	20.86	20.91		
10	64QAM	50	0	21.08	21.05	21.08	20.88	20.87		
Channel				3967.5	4014.8	4062.0	4109.3	4156.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488.5	2548.8	2593	2640.30	2697.5		
5	QPSK	1	0	23.76	23.85	24.04	24.03	23.89	24.5	0
5	QPSK	1	12	23.82	23.79	23.90	23.82	23.72		
5	QPSK	1	24	23.82	23.75	23.95	23.76	23.79		
5	QPSK	12	0	22.93	23.02	22.96	22.96	22.88	23.5	1
5	QPSK	12	7	23.05	23.01	23.12	22.96	22.93		
5	QPSK	12	13	23.01	22.87	23.00	22.89	22.83		
5	QPSK	25	0	23.03	22.96	23.12	22.89	22.83	23.5	1
5	16QAM	1	0	23.01	22.95	23.17	23.12	22.95		
5	16QAM	1	12	22.91	22.96	23.02	22.94	22.79		
5	16QAM	1	24	23.03	22.95	23.10	22.87	22.91	23.5	1
5	16QAM	12	0	21.88	22.06	21.99	22.04	21.81		
5	16QAM	12	7	21.99	22.03	22.09	21.96	21.97		
5	16QAM	12	13	22.06	21.94	22.03	21.90	21.91	22.5	2
5	16QAM	25	0	22.05	21.99	22.08	21.93	21.85		
5	64QAM	1	0	21.56	21.54	21.67	21.75	21.33		
5	64QAM	1	12	21.56	21.54	21.57	21.52	21.45	22.5	2
5	64QAM	1	24	21.61	21.52	21.48	21.37	21.46		
5	64QAM	12	0	21.03	20.98	21.06	21.08	20.86		
5	64QAM	12	7	21.07	21.04	21.11	20.97	20.89	21.5	3
5	64QAM	12	13	21.02	21.03	21.06	20.91	20.90		
5	64QAM	25	0	21.08	21.06	21.07	20.86	20.82		



Band 41_HPUE										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	26.51	26.57	26.72	26.23	25.67	27	0
20	QPSK	1	49	26.55	26.52	26.60	26.26	25.47		
20	QPSK	1	99	26.55	26.48	26.57	25.99	24.71		
20	QPSK	50	0	25.83	25.80	25.84	25.41	24.94	26	1
20	QPSK	50	24	25.82	25.80	25.83	25.43	24.52		
20	QPSK	50	50	25.79	25.76	25.80	25.38	24.03		
20	QPSK	100	0	25.80	25.78	25.83	25.34	24.35	26	1
20	16QAM	1	0	25.98	25.96	26.04	25.52	24.98		
20	16QAM	1	49	25.91	25.87	25.93	25.60	24.82		
20	16QAM	1	99	25.83	25.83	25.87	25.34	24.05	25	2
20	16QAM	50	0	24.84	24.86	24.91	24.59	24.02		
20	16QAM	50	24	24.89	24.86	24.93	24.59	23.68		
20	16QAM	50	50	24.89	24.78	24.92	24.54	23.23	25	2
20	16QAM	100	0	24.89	24.85	24.90	24.49	23.51		
20	64QAM	1	0	26.73	25.86	25.99	25.50	25.10		
20	64QAM	1	49	25.89	25.79	25.96	25.54	24.82	25	2
20	64QAM	1	99	25.87	25.79	25.80	25.22	23.98		
20	64QAM	50	0	24.79	24.79	24.79	24.54	23.98		
20	64QAM	50	24	24.83	24.81	24.90	24.55	23.61	24	3
20	64QAM	50	50	24.80	24.75	24.83	24.49	23.24		
20	64QAM	100	0	24.86	24.86	24.94	24.52	23.50		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.5	2682.5		
15	QPSK	1	0	26.41	26.47	26.65	26.15	25.57	27	0
15	QPSK	1	37	26.55	26.43	26.56	26.19	25.43		
15	QPSK	1	74	26.53	26.39	26.55	25.95	24.84		
15	QPSK	36	0	25.79	25.75	25.79	25.32	24.91	26	1
15	QPSK	36	20	25.84	25.73	25.76	25.37	24.51		
15	QPSK	36	39	25.78	25.66	25.71	25.31	24.03		
15	QPSK	75	0	25.75	25.74	25.79	25.29	24.25	26	1
15	16QAM	1	0	25.89	25.96	26.00	25.44	24.95		
15	16QAM	1	37	25.86	25.77	25.93	25.52	24.79		
15	16QAM	1	74	25.92	25.77	25.83	25.29	24.04	25	2
15	16QAM	36	0	24.80	24.77	24.83	24.51	23.95		
15	16QAM	36	20	24.84	24.80	24.89	24.58	23.64		
15	16QAM	36	39	24.89	24.75	24.85	24.48	23.15	25	2
15	16QAM	75	0	24.80	24.78	24.88	24.43	23.47		
15	64QAM	1	0	25.98	25.86	25.97	25.45	25.09		
15	64QAM	1	37	25.85	25.69	25.89	25.44	24.74	25	2
15	64QAM	1	74	25.86	25.72	25.80	25.20	23.92		
15	64QAM	36	0	24.74	24.78	24.74	24.46	23.97		
15	64QAM	36	20	24.75	24.72	24.86	24.45	23.53	24	3
15	64QAM	36	39	24.70	24.75	24.83	24.47	23.16		
15	64QAM	75	0	24.79	24.81	24.94	24.51	23.54		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2554	2593	2639	2685		
10	QPSK	1	0	26.44	26.50	26.71	26.21	25.58	27	0
10	QPSK	1	25	26.51	26.44	26.56	26.16	25.38		
10	QPSK	1	49	26.51	26.46	26.56	25.94	24.69		
10	QPSK	25	0	25.77	25.75	25.80	25.32	24.89	26	1
10	QPSK	25	12	25.81	25.79	25.81	25.38	24.52		
10	QPSK	25	25	25.73	25.69	25.73	25.32	23.99		
10	QPSK	50	0	25.75	25.76	25.75	25.29	24.32	26	1
10	16QAM	1	0	25.91	25.94	26.02	25.48	24.91		
10	16QAM	1	25	25.90	25.85	25.84	25.59	24.79		
10	16QAM	1	49	25.86	25.80	25.86	25.31	23.95	25	2
10	16QAM	25	0	24.78	24.79	24.82	24.52	23.97		
10	16QAM	25	12	24.84	24.83	24.88	24.49	23.66		
10	16QAM	25	25	24.86	24.77	24.89	24.49	23.18	25	2
10	16QAM	50	0	24.86	24.85	24.81	24.39	23.41		
10	64QAM	1	0	25.97	25.80	25.89	25.50	25.10		
10	64QAM	1	25	25.89	25.69	25.89	25.48	24.73	25	2
10	64QAM	1	49	25.77	25.77	25.72	25.14	23.91		
10	64QAM	25	0	24.76	24.72	24.79	24.46	23.92		
10	64QAM	25	12	24.77	24.76	24.80	24.52	23.59	24	3
10	64QAM	25	25	24.75	24.67	24.80	24.43	23.17		
10	64QAM	50	0	24.81	24.86	24.91	24.48	23.56		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488.5	2545.8	2593	2640.30	2697.5		
5	QPSK	1	0	26.43	26.49	26.64	26.15	25.51	27	0
5	QPSK	1	12	26.52	26.46	26.57	26.21	25.44		
5	QPSK	1	24	26.46	26.48	26.48	25.89	24.68		
5	QPSK	12	0	25.78	25.75	25.77	25.41	24.86	26	1
5	QPSK	12	7	25.84	25.75	25.74	25.39	24.43		
5	QPSK	12	13	25.71	25.71	25.78	25.31	23.94		
5	QPSK	25	0	25.77	25.72	25.71	25.24	24.30	26	1
5	16QAM	1	0	25.91	25.87	26.04	25.42	24.90		
5	16QAM	1	12	25.83	25.86	25.90	25.57	24.75		
5	16QAM	1	24	25.86	25.76	25.77	25.26	24.03	25	2
5	16QAM	12	0	24.83	24.80	24.86	24.59	23.95		
5	16QAM	12	7	24.89	24.81	24.86	24.53	23.67		
5	16QAM	12	13	24.82	24.74	24.83	24.51	23.15	25	2
5	16QAM	25	0	24.89	24.77	24.84	24.43	23.47		
5	64QAM	1	0	26.00	25.77	25.93	25.45	25.05		
5	64QAM	1	12	25.87	25.78	25.94	25.50	24.81	25	2
5	64QAM	1	24	25.80	25.74	25.77	25.21	23.90		
5	64QAM	12	0	24.77	24.72	24.72	24.44	23.89		
5	64QAM	12	7	24.79	24.72	24.82	24.50	23.59	24	3
5	64QAM	12	13	24.77	24.67	24.77	24.41	23.19		
5	64QAM	25	0	24.79	24.79	24.90	24.47	23.55		



Band 48_MIMO 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	21.33	21.29	21.06	21.21	22	0
20	QPSK	1	49	21.21	21.14	20.99	21.15		
20	QPSK	1	99	21.13	21.13	21.08	21.25	21	1
20	QPSK	50	0	20.46	20.45	20.29	20.44		
20	QPSK	50	24	20.43	20.43	20.25	20.44	21	1
20	QPSK	50	50	20.45	20.28	20.19	20.45		
20	QPSK	100	0	20.43	20.32	20.26	20.40	21	1
20	16QAM	1	0	20.64	20.64	20.44	20.57		
20	16QAM	1	49	20.64	20.54	20.35	20.54	20	2
20	16QAM	1	99	20.79	20.54	20.45	20.63		
20	16QAM	50	0	19.62	19.51	19.32	19.46	20	2
20	16QAM	50	24	19.47	19.45	19.33	19.48		
20	16QAM	50	50	19.49	19.37	19.27	19.49	19	3
20	16QAM	100	0	19.45	19.39	19.32	19.53		
20	64QAM	1	0	19.65	19.59	19.40	19.62	20	2
20	64QAM	1	49	19.47	19.41	19.25	19.49		
20	64QAM	1	99	19.62	19.42	19.45	19.64	19	3
20	64QAM	50	0	18.47	18.41	18.27	18.42		
20	64QAM	50	24	18.40	18.40	18.26	18.42	20	2
20	64QAM	50	50	18.42	18.28	18.17	18.45		
20	64QAM	100	0	18.48	18.38	18.31	18.52		
Channel				55315	55820	56160	56665	Line-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3605	3642	3692.5		
15	QPSK	1	0	21.23	21.24	20.99	21.14	22	0
15	QPSK	1	37	21.11	21.11	20.92	21.07		
15	QPSK	1	74	21.24	21.11	21.01	21.23	21	1
15	QPSK	36	0	20.36	20.35	20.20	20.38		
15	QPSK	36	20	20.38	20.42	20.24	20.43	20	2
15	QPSK	36	39	20.40	20.28	20.11	20.40		
15	QPSK	75	0	20.34	20.29	20.26	20.43	21	1
15	16QAM	1	0	20.65	20.61	20.42	20.49		
15	16QAM	1	37	20.67	20.50	20.26	20.53	20	2
15	16QAM	1	74	20.77	20.49	20.40	20.60		
15	16QAM	36	0	19.62	19.46	19.28	19.44	19	3
15	16QAM	36	20	19.46	19.42	19.23	19.43		
15	16QAM	36	39	19.41	19.36	19.27	19.42	20	2
15	16QAM	75	0	19.39	19.30	19.24	19.48		
15	64QAM	1	0	19.48	19.54	19.39	19.59	19	3
15	64QAM	1	37	19.41	19.39	19.20	19.46		
15	64QAM	1	74	19.62	19.38	19.42	19.59	20	2
15	64QAM	36	0	18.46	18.40	18.19	18.38		
15	64QAM	36	20	18.38	18.40	18.24	18.41	19	3
15	64QAM	36	39	18.36	18.23	18.17	18.43		
15	64QAM	75	0	18.43	18.29	18.29	18.49		
Channel				55290	55815	56165	56690	Line-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565	3607	3642.5	3695		
10	QPSK	1	0	21.21	21.21	21.02	21.19	22	0
10	QPSK	1	25	21.18	21.11	20.88	21.10		
10	QPSK	1	49	21.31	21.07	21.03	21.24	21	1
10	QPSK	25	0	20.43	20.39	20.28	20.38		
10	QPSK	25	12	20.40	20.35	20.23	20.42	21	1
10	QPSK	25	25	20.44	20.22	20.15	20.44		
10	QPSK	50	0	20.38	20.24	20.24	20.39	21	1
10	16QAM	1	0	20.54	20.59	20.41	20.57		
10	16QAM	1	25	20.65	20.53	20.31	20.53	20	2
10	16QAM	1	49	20.78	20.54	20.40	20.58		
10	16QAM	25	0	19.42	19.45	19.29	19.36	20	2
10	16QAM	25	12	19.38	19.41	19.27	19.36		
10	16QAM	25	25	19.48	19.34	19.21	19.46	19	3
10	16QAM	50	0	19.41	19.36	19.28	19.52		
10	64QAM	1	0	19.63	19.54	19.33	19.53	20	2
10	64QAM	1	25	19.45	19.36	19.20	19.45		
10	64QAM	1	49	19.64	19.37	19.43	19.55	19	3
10	64QAM	25	0	18.37	18.31	18.27	18.41		
10	64QAM	25	12	18.30	18.40	18.21	18.38	20	2
10	64QAM	25	25	18.37	18.25	18.15	18.43		
10	64QAM	50	0	18.47	18.38	18.21	18.49		
Channel				55265	55810	56170	56715	Line-up limit (dBm)	MPR (dB)
Frequency (MHz)				3562.5	3607	3643	3697.5		
5	QPSK	1	0	21.21	21.20	21.01	21.17	22	0
5	QPSK	1	12	21.18	21.10	20.97	21.10		
5	QPSK	1	24	21.31	21.13	21.03	21.21	21	1
5	QPSK	12	0	20.38	20.39	20.26	20.38		
5	QPSK	12	7	20.38	20.40	20.17	20.35	21	1
5	QPSK	12	13	20.45	20.20	20.17	20.37		
5	QPSK	25	0	20.31	20.25	20.23	20.39	21	1
5	16QAM	1	0	20.54	20.62	20.41	20.55		
5	16QAM	1	12	20.67	20.44	20.33	20.48	20	2
5	16QAM	1	24	20.77	20.46	20.46	20.60		
5	16QAM	12	0	19.45	19.46	19.31	19.42	20	2
5	16QAM	12	7	19.44	19.38	19.27	19.48		
5	16QAM	12	13	19.41	19.34	19.17	19.49	20	2
5	16QAM	25	0	19.38	19.35	19.23	19.47		
5	64QAM	1	0	19.62	19.53	19.40	19.60	20	2
5	64QAM	1	12	19.42	19.32	19.15	19.48		
5	64QAM	1	24	19.62	19.42	19.41	19.61	19	3
5	64QAM	12	0	18.42	18.41	18.19	18.41		
5	64QAM	12	7	18.32	18.33	18.21	18.42	20	2
5	64QAM	12	13	18.35	18.22	18.17	18.39		
5	64QAM	25	0	18.42	18.33	18.30	18.48		



Band 38									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610			
20	QPSK	1	0	15.25	15.36	15.17	16	0	
20	QPSK	1	49	15.22	15.35	15.14			
20	QPSK	1	99	15.24	15.29	15.16	15	1	
20	QPSK	50	0	14.42	14.96	14.30			
20	QPSK	50	24	14.40	14.53	14.23	15	1	
20	QPSK	50	50	14.34	14.46	14.27			
20	QPSK	100	0	14.38	14.51	14.20	15	1	
20	16QAM	1	0	14.33	14.43	14.30			
20	16QAM	1	49	14.28	14.40	14.22	14	2	
20	16QAM	1	99	14.28	14.42	14.20			
20	16QAM	50	0	13.41	13.51	13.28	14	2	
20	16QAM	50	24	13.40	13.55	13.28			
20	16QAM	50	50	13.37	13.51	13.31	13	3	
20	16QAM	100	0	13.40	13.52	13.24			
20	64QAM	1	0	13.03	13.15	12.94	14	2	
20	64QAM	1	49	13.10	13.21	13.05			
20	64QAM	1	99	13.10	13.29	13.07	13	3	
20	64QAM	50	0	12.44	12.46	12.26			
20	64QAM	50	24	12.41	12.53	12.27	13	3	
20	64QAM	50	50	12.38	12.45	12.26			
20	64QAM	100	0	12.39	12.48	12.22			
Channel				37825	38000	38175			
Frequency (MHz)				2577.5	2595	2612.5			
15	QPSK	1	0	15.25	15.34	15.15	16	0	
15	QPSK	1	37	15.19	15.28	15.10			
15	QPSK	1	74	15.20	15.25	15.11	15	1	
15	QPSK	36	0	14.38	14.49	14.21			
15	QPSK	36	20	14.35	14.45	14.13	14	2	
15	QPSK	36	39	14.26	14.37	14.22			
15	QPSK	75	0	14.31	14.45	14.12	14	2	
15	16QAM	1	0	14.32	14.35	14.24			
15	16QAM	1	37	14.27	14.33	14.13	14	2	
15	16QAM	1	74	14.28	14.40	14.20			
15	16QAM	36	0	13.35	13.45	13.22	13	3	
15	16QAM	36	20	13.33	13.95	13.19			
15	16QAM	36	39	13.32	13.49	13.27	13	3	
15	16QAM	75	0	13.36	13.51	13.21			
15	64QAM	1	0	12.95	13.06	12.84	14	2	
15	64QAM	1	37	13.10	13.21	12.96			
15	64QAM	1	74	13.08	13.26	13.05	13	3	
15	64QAM	36	0	12.37	12.40	12.25			
15	64QAM	36	20	12.38	12.46	12.25	13	3	
15	64QAM	36	39	12.28	12.43	12.24			
15	64QAM	75	0	12.37	12.41	12.20			
Channel				37800	38000	38200			
Frequency (MHz)				2575	2595	2615			
10	QPSK	1	0	15.19	15.31	15.06	16	0	
10	QPSK	1	25	15.17	15.29	15.06			
10	QPSK	1	49	15.17	15.21	15.15	15	1	
10	QPSK	25	0	14.37	14.50	14.23			
10	QPSK	25	12	14.35	14.48	14.18	15	1	
10	QPSK	25	25	14.27	14.42	14.23			
10	QPSK	50	0	14.29	14.41	14.19	15	1	
10	16QAM	1	0	14.28	14.36	14.26			
10	16QAM	1	25	14.28	14.31	14.21	14	2	
10	16QAM	1	49	14.22	14.41	14.20			
10	16QAM	25	0	13.40	13.47	13.25	14	2	
10	16QAM	25	12	13.32	13.53	13.19			
10	16QAM	25	25	13.36	13.49	13.29	14	2	
10	16QAM	50	0	13.35	13.45	13.22			
10	64QAM	1	0	13.03	13.13	12.84	14	2	
10	64QAM	1	25	13.07	13.18	13.02			
10	64QAM	1	49	13.04	13.26	12.96	13	3	
10	64QAM	25	0	12.40	12.45	12.26			
10	64QAM	25	12	12.32	12.47	12.18	13	3	
10	64QAM	25	25	12.36	12.37	12.19			
10	64QAM	50	0	12.33	12.38	12.20			
Channel				37775	38000	38225			
Frequency (MHz)				2572.5	2595	2617.5			
5	QPSK	1	0	15.23	15.26	15.16	16	0	
5	QPSK	1	12	15.13	15.26	15.14			
5	QPSK	1	24	15.24	15.28	15.07	15	1	
5	QPSK	12	0	14.35	14.49	14.26			
5	QPSK	12	7	14.38	14.45	14.23	15	1	
5	QPSK	12	13	14.31	14.39	14.17			
5	QPSK	25	0	14.28	14.41	14.15	15	1	
5	16QAM	1	0	14.25	14.42	14.30			
5	16QAM	1	12	14.26	14.36	14.22	14	2	
5	16QAM	1	24	14.20	14.42	14.13			
5	16QAM	12	0	13.41	13.50	13.18	14	2	
5	16QAM	12	7	13.36	13.45	13.23			
5	16QAM	12	13	13.33	13.43	13.24	14	2	
5	16QAM	25	0	13.39	13.42	13.19			
5	64QAM	1	0	12.95	13.09	12.85	14	2	
5	64QAM	1	12	13.00	13.21	13.05			
5	64QAM	1	24	13.01	13.20	13.07	13	3	
5	64QAM	12	0	12.37	12.38	12.26			
5	64QAM	12	7	12.33	12.53	12.19	13	3	
5	64QAM	12	13	12.32	12.42	12.25			
5	64QAM	25	0	12.35	12.48	12.14			



Band 41										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq	Power Low Middle Ch. / Freq	Power Middle Ch. / Freq	Power High Middle Ch. / Freq	Power High Ch. / Freq	Tune-up limit (dBm)	MPR (dB)
Channel				3975.0	4018.5	4062.0	4105.5	4149.0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	14.40	14.27	14.41	14.30	14.19	16	0
20	QPSK	1	49	14.35	14.22	14.40	14.19	14.17		
20	QPSK	1	99	14.33	14.21	14.39	14.25	14.18		
20	QPSK	50	0	13.67	13.51	13.58	13.39	13.43	15	1
20	QPSK	50	24	13.56	13.47	13.46	13.38	13.35		
20	QPSK	50	50	13.53	13.48	13.45	13.36	13.39		
20	QPSK	100	0	13.53	13.44	13.56	13.34	13.36		
20	16QAM	1	0	13.47	13.38	13.52	13.42	13.26	15	1
20	16QAM	1	49	13.42	13.30	13.46	13.30	13.31		
20	16QAM	1	99	13.43	13.37	13.53	13.33	13.42		
20	16QAM	50	0	12.58	12.39	12.48	12.41	12.34	14	2
20	16QAM	50	24	12.58	12.50	12.57	12.41	12.44		
20	16QAM	50	50	12.55	12.49	12.59	12.37	12.43		
20	16QAM	100	0	12.53	12.43	12.54	12.37	12.33		
20	64QAM	1	0	12.31	12.23	12.01	12.15	12.06	14	2
20	64QAM	1	49	12.02	12.16	12.08	12.02	12.13		
20	64QAM	1	99	12.06	12.27	12.12	12.02	12.23		
20	64QAM	50	0	11.67	11.38	11.47	11.41	11.36	13	3
20	64QAM	50	24	11.59	11.45	11.57	11.42	11.43		
20	64QAM	50	50	11.53	11.43	11.58	11.37	11.44		
20	64QAM	100	0	11.54	11.42	11.54	11.40	11.35		
Channel				3972.5	4017.3	4062.0	4106.8	4151.5		
Frequency (MHz)				2903.5	2948.3	2993	2937.8	2882.5		
15	QPSK	1	0	14.31	14.23	14.39	14.21	14.10	16	0
15	QPSK	1	37	14.27	14.16	14.39	14.19	14.07		
15	QPSK	1	74	14.29	14.17	14.39	14.20	14.10		
15	QPSK	36	0	13.36	13.46	13.36	13.39	13.41	15	1
15	QPSK	36	20	13.53	13.46	13.36	13.36	13.35		
15	QPSK	36	39	13.51	13.40	13.39	13.27	13.30		
15	QPSK	75	0	13.45	13.40	13.54	13.28	13.27		
15	16QAM	1	0	13.47	13.28	13.45	13.33	13.25	15	1
15	16QAM	1	37	13.33	13.24	13.43	13.26	13.31		
15	16QAM	1	74	13.43	13.35	13.45	13.29	13.35		
15	16QAM	36	0	12.57	12.37	12.45	12.36	12.24	14	2
15	16QAM	36	20	12.52	12.49	12.54	12.40	12.42		
15	16QAM	36	39	12.50	12.49	12.49	12.36	12.33		
15	16QAM	75	0	12.52	12.36	12.45	12.35	12.32		
15	64QAM	1	0	12.02	12.17	12.05	12.06	12.06	14	2
15	64QAM	1	37	12.02	12.13	12.06	12.03	12.08		
15	64QAM	1	74	12.04	12.25	12.09	12.02	12.21		
15	64QAM	36	0	11.56	11.31	11.46	11.33	11.34	13	3
15	64QAM	36	20	11.50	11.40	11.55	11.33	11.34		
15	64QAM	36	39	11.53	11.35	11.58	11.35	11.44		
15	64QAM	75	0	11.51	11.34	11.45	11.34	11.30		
Channel				3970.0	4016.0	4062.0	4108.0	4154.0		
Frequency (MHz)				2921	2957	2993	2939	2885		
10	QPSK	1	0	14.38	14.18	14.35	14.26	14.14	16	0
10	QPSK	1	25	14.28	14.19	14.36	14.11	14.09		
10	QPSK	1	49	14.30	14.15	14.30	14.19	14.16		
10	QPSK	25	0	13.67	13.51	13.58	13.33	13.33	15	1
10	QPSK	25	12	13.48	13.42	13.45	13.28	13.34		
10	QPSK	25	25	13.46	13.46	13.40	13.27	13.35		
10	QPSK	50	0	13.49	13.34	13.52	13.34	13.33		
10	16QAM	1	0	13.47	13.28	13.52	13.34	13.21	15	1
10	16QAM	1	25	13.39	13.24	13.43	13.24	13.21		
10	16QAM	1	49	13.35	13.32	13.53	13.27	13.36		
10	16QAM	25	0	12.55	12.38	12.47	12.33	12.30	14	2
10	16QAM	25	12	12.54	12.47	12.52	12.38	12.35		
10	16QAM	25	25	12.47	12.45	12.53	12.37	12.36		
10	16QAM	50	0	12.51	12.40	12.53	12.30	12.26		
10	64QAM	1	0	12.01	12.13	12.07	12.10	12.04	14	2
10	64QAM	1	25	12.00	12.08	12.00	12.03	12.10		
10	64QAM	1	49	12.04	12.27	12.06	12.08	12.16		
10	64QAM	25	0	11.54	11.34	11.42	11.33	11.28	13	3
10	64QAM	25	12	11.57	11.37	11.53	11.39	11.40		
10	64QAM	25	25	11.47	11.41	11.52	11.33	11.43		
10	64QAM	50	0	11.47	11.38	11.51	11.37	11.34		
Channel				3967.5	4014.8	4062.0	4109.3	4156.5		
Frequency (MHz)				2488.5	2545.8	2593	2640.30	2697.5		
5	QPSK	1	0	14.35	14.24	14.31	14.25	14.13	16	0
5	QPSK	1	12	14.34	14.15	14.37	14.16	14.12		
5	QPSK	1	24	14.33	14.20	14.29	14.25	14.08		
5	QPSK	12	0	13.48	13.49	13.48	13.37	13.40	15	1
5	QPSK	12	7	13.53	13.37	13.44	13.29	13.26		
5	QPSK	12	13	13.50	13.40	13.39	13.30	13.33		
5	QPSK	25	0	13.51	13.41	13.53	13.32	13.32		
5	16QAM	1	0	13.47	13.32	13.42	13.37	13.29	15	1
5	16QAM	1	12	13.34	13.27	13.38	13.23	13.27		
5	16QAM	1	24	13.38	13.31	13.47	13.29	13.36		
5	16QAM	12	0	12.51	12.39	12.43	12.31	12.32	14	2
5	16QAM	12	7	12.48	12.40	12.53	12.36	12.40		
5	16QAM	12	13	12.45	12.40	12.54	12.36	12.36		
5	16QAM	25	0	12.46	12.42	12.49	12.34	12.30		
5	64QAM	1	0	12.03	12.19	12.04	12.15	12.04	14	2
5	64QAM	1	12	12.03	12.12	12.09	12.02	12.09		
5	64QAM	1	24	12.03	12.18	12.10	12.03	12.13		
5	64QAM	12	0	11.51	11.30	11.41	11.35	11.28	13	3
5	64QAM	12	7	11.50	11.42	11.48	11.41	11.34		
5	64QAM	12	13	11.46	11.35	11.58	11.32	11.38		
5	64QAM	25	0	11.51	11.35	11.49	11.36	11.35		



Band 41_HPUE										
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				3975.0	4018.5	4062.0	4105.5	4149.0		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.72	17.76	17.83	17.82	17.81	19	0
20	QPSK	1	49	17.70	17.67	17.70	17.69	17.71		
20	QPSK	1	99	17.70	17.71	17.78	17.74	17.76		
20	QPSK	50	0	16.96	16.99	17.00	16.95	16.90	18	1
20	QPSK	50	24	16.94	16.98	16.92	16.94	16.88		
20	QPSK	50	50	16.93	16.98	16.97	16.93	16.89		
20	QPSK	100	0	17.03	16.96	17.04	16.98	16.78	18	1
20	16QAM	1	0	17.14	17.09	17.20	17.19	17.04		
20	16QAM	1	49	17.07	17.03	17.06	17.04	17.02		
20	16QAM	1	99	17.11	17.09	17.12	16.97	16.95	17	2
20	16QAM	50	0	16.07	15.97	15.97	16.03	15.85		
20	16QAM	50	24	16.05	15.98	16.05	16.00	15.92		
20	16QAM	50	50	16.03	16.02	16.04	15.96	15.90	17	2
20	16QAM	100	0	16.03	15.99	16.04	15.98	15.81		
20	64QAM	1	0	16.01	15.90	15.92	16.10	16.06		
20	64QAM	1	49	15.88	15.94	15.86	16.10	16.00	17	2
20	64QAM	1	99	15.99	16.01	15.96	16.09	15.92		
20	64QAM	50	0	15.06	14.98	14.95	15.00	14.86		
20	64QAM	50	24	15.08	15.01	15.05	14.99	14.94	16	3
20	64QAM	50	50	15.05	14.99	15.03	14.96	14.91		
20	64QAM	100	0	15.04	15.00	15.04	14.97	14.84		
Channel				3972.5	4017.3	4062.0	4106.8	4151.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2903.5	2948.3	2993	2937.8	2882.5		
15	QPSK	1	0	17.63	17.66	17.77	17.73	17.77	19	0
15	QPSK	1	37	17.60	17.57	17.67	17.60	17.65		
15	QPSK	1	74	17.64	17.68	17.77	17.73	17.88		
15	QPSK	36	0	16.96	16.90	16.96	16.92	16.84	18	1
15	QPSK	36	20	16.87	16.94	16.90	16.90	16.85		
15	QPSK	36	39	16.88	16.88	16.97	16.86	16.79		
15	QPSK	75	0	17.00	16.94	17.00	16.94	16.69	18	1
15	16QAM	1	0	17.05	17.04	17.15	17.10	16.94		
15	16QAM	1	37	17.00	17.03	17.01	16.94	16.97		
15	16QAM	1	74	17.09	17.05	17.04	16.88	16.98	17	2
15	16QAM	36	0	16.02	15.89	15.90	16.00	15.79		
15	16QAM	36	20	15.99	15.95	16.05	15.99	15.88		
15	16QAM	36	39	16.03	16.01	16.00	15.90	15.81	17	2
15	16QAM	75	0	16.02	15.93	16.00	15.88	15.73		
15	64QAM	1	0	15.93	15.85	15.82	16.07	16.03		
15	64QAM	1	37	15.85	15.88	15.85	16.07	15.99	17	2
15	64QAM	1	74	15.89	15.98	15.93	16.02	15.91		
15	64QAM	36	0	14.97	14.88	14.93	14.91	14.76		
15	64QAM	36	20	15.01	14.93	15.03	14.96	14.93	16	3
15	64QAM	36	39	14.96	14.97	14.95	14.95	14.91		
15	64QAM	75	0	14.95	14.93	14.99	14.91	14.82		
Channel				3970.0	4016.0	4062.0	4108.0	4154.0	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2920	2954	2993	2939	2885		
10	QPSK	1	0	17.70	17.72	17.77	17.76	17.72	19	0
10	QPSK	1	25	17.66	17.63	17.65	17.59	17.69		
10	QPSK	1	49	17.69	17.69	17.71	17.69	17.66		
10	QPSK	25	0	16.94	16.97	16.94	16.95	16.89	18	1
10	QPSK	25	12	16.90	16.88	16.86	16.84	16.82		
10	QPSK	25	25	16.90	16.98	16.95	16.86	16.86		
10	QPSK	50	0	17.01	16.92	17.02	16.88	16.75	18	1
10	16QAM	1	0	17.14	17.02	17.12	17.10	17.04		
10	16QAM	1	25	16.98	16.93	17.01	17.01	17.00		
10	16QAM	1	49	17.03	17.00	17.10	16.94	16.89	17	2
10	16QAM	25	0	15.99	15.96	15.95	15.97	15.76		
10	16QAM	25	12	16.00	15.95	15.96	15.97	15.97		
10	16QAM	25	25	15.96	15.98	16.03	15.90	15.83	17	2
10	16QAM	50	0	16.02	15.99	15.97	15.90	15.73		
10	64QAM	1	0	16.00	15.86	15.85	16.03	16.00		
10	64QAM	1	25	15.78	15.87	15.82	16.09	15.90	17	2
10	64QAM	1	49	15.90	15.99	15.95	16.01	15.88		
10	64QAM	25	0	14.97	14.90	14.94	14.92	14.76		
10	64QAM	25	12	15.02	14.97	14.99	14.99	14.93	16	3
10	64QAM	25	25	14.96	14.99	15.01	14.88	14.87		
10	64QAM	50	0	15.02	14.92	14.94	14.90	14.74		
Channel				3967.5	4014.8	4062.0	4109.3	4156.5	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2488.5	2548.8	2593	2640.30	2697.5		
5	QPSK	1	0	17.69	17.69	17.73	17.78	17.75	19	0
5	QPSK	1	12	17.60	17.63	17.66	17.65	17.61		
5	QPSK	1	24	17.66	17.66	17.76	17.71	17.70		
5	QPSK	12	0	16.96	16.93	16.99	16.86	16.88	18	1
5	QPSK	12	7	16.86	16.95	16.90	16.94	16.87		
5	QPSK	12	13	16.92	16.88	16.93	16.85	16.85		
5	QPSK	25	0	17.01	16.91	16.95	16.98	16.77	18	1
5	16QAM	1	0	17.13	17.00	17.18	17.18	16.99		
5	16QAM	1	12	16.98	16.97	17.05	17.02	16.93		
5	16QAM	1	24	17.06	17.03	17.06	16.90	16.96	17	2
5	16QAM	12	0	16.00	15.87	15.95	15.98	15.85		
5	16QAM	12	7	15.98	15.86	16.01	15.90	15.86		
5	16QAM	12	13	15.95	16.00	16.00	15.91	15.81	17	2
5	16QAM	25	0	15.97	15.89	16.02	15.89	15.78		
5	64QAM	1	0	16.01	15.80	15.85	16.02	16.00		
5	64QAM	1	12	15.78	15.85	15.81	16.01	15.91	17	2
5	64QAM	1	24	15.95	15.93	15.86	16.03	15.92		
5	64QAM	12	0	14.99	14.92	14.92	14.96	14.79		
5	64QAM	12	7	15.02	14.93	15.05	14.92	14.90	16	3
5	64QAM	12	13	14.99	14.92	14.97	14.89	14.82		
5	64QAM	25	0	14.88	14.90	14.94	14.87	14.83		



Band 48_MIMO 2										
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				55340	55830	56150	56640			
Frequency (MHz)				3560	3609	3641	3690			
20	QPSK	1	0	16.17	16.15	16.14	16.10			
20	QPSK	1	49	15.99	15.95	15.97	15.88	17	0	
20	QPSK	1	99	16.04	15.98	15.90	15.86			
20	QPSK	50	0	15.20	15.18	15.17	15.13			
20	QPSK	50	24	15.17	15.14	15.13	15.10	16	1	
20	QPSK	50	50	15.14	15.10	14.97	15.04			
20	QPSK	100	0	15.18	15.15	15.11	15.10			
20	16QAM	1	0	15.26	15.23	15.16	15.20			
20	16QAM	1	49	15.11	15.07	15.06	14.97	16	1	
20	16QAM	1	99	15.13	15.01	14.95	14.50			
20	16QAM	50	0	14.25	14.21	14.19	14.14			
20	16QAM	50	24	14.19	14.16	14.15	14.10	15	2	
20	16QAM	50	50	14.17	14.09	14.05	14.06			
20	16QAM	100	0	14.19	14.16	14.15	14.09			
20	64QAM	1	0	14.13	14.21	14.17	14.19			
20	64QAM	1	49	14.04	13.95	14.00	13.83	15	2	
20	64QAM	1	99	14.13	14.03	13.91	13.85			
20	64QAM	50	0	13.26	13.21	13.23	13.15			
20	64QAM	50	24	13.21	13.21	13.19	13.14	14	3	
20	64QAM	50	50	13.19	13.12	13.06	13.07			
20	64QAM	100	0	13.23	13.17	13.17	13.14			
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3557.5	3605	3642	3692.5			
15	QPSK	1	0	16.13	16.05	16.04	16.00			
15	QPSK	1	37	15.99	15.90	15.90	15.82	17	0	
15	QPSK	1	74	16.02	15.88	15.88	15.85			
15	QPSK	36	0	15.14	15.16	15.08	15.13			
15	QPSK	36	20	15.13	15.05	15.07	15.09	16	1	
15	QPSK	36	39	15.08	15.03	14.91	14.98			
15	QPSK	75	0	15.12	15.13	15.07	15.03			
15	16QAM	1	0	15.26	15.15	15.11	15.14			
15	16QAM	1	37	15.04	14.97	15.04	14.92	16	1	
15	16QAM	1	74	15.12	14.91	14.96	14.85			
15	16QAM	36	0	14.25	14.11	14.16	14.12			
15	16QAM	36	20	14.17	14.11	14.10	14.00	15	2	
15	16QAM	36	39	14.13	14.05	13.96	13.99			
15	16QAM	75	0	14.16	14.16	14.12	14.03			
15	64QAM	1	0	14.04	14.20	14.14	14.17			
15	64QAM	1	37	14.01	13.92	13.99	13.73	15	2	
15	64QAM	1	74	14.06	13.96	13.91	13.77			
15	64QAM	36	0	13.23	13.13	13.21	13.10			
15	64QAM	36	20	13.15	13.20	13.11	13.04	14	3	
15	64QAM	36	39	13.19	13.08	12.96	13.02			
15	64QAM	75	0	13.22	13.15	13.13	13.10			
Channel				55260	55615	56165	56690	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3565	3607.5	3642.5	3695			
10	QPSK	1	0	16.12	16.06	16.07	16.04			
10	QPSK	1	25	15.97	15.91	15.88	15.81	17	0	
10	QPSK	1	49	16.03	15.97	15.88	15.78			
10	QPSK	25	0	15.14	15.16	15.08	15.07			
10	QPSK	25	12	15.11	15.05	15.11	15.06	16	1	
10	QPSK	25	25	15.11	15.00	14.96	15.02			
10	QPSK	50	0	15.11	15.10	15.09	15.06			
10	16QAM	1	0	15.17	15.23	15.08	15.16	16	1	
10	16QAM	1	25	15.02	14.98	14.99	14.89			
10	16QAM	1	49	15.05	14.97	14.96	14.90			
10	16QAM	25	0	14.21	14.13	14.15	14.06			
10	16QAM	25	12	14.16	14.12	14.09	14.01	15	2	
10	16QAM	25	25	14.14	13.98	13.96	14.03			
10	16QAM	50	0	14.15	14.08	14.11	14.06			
10	64QAM	1	0	14.12	14.14	14.10	14.15			
10	64QAM	1	25	14.04	13.91	13.90	13.78	15	2	
10	64QAM	1	49	14.12	14.02	13.88	13.80			
10	64QAM	25	0	13.24	13.21	13.16	13.15			
10	64QAM	25	12	13.11	13.11	13.11	13.06	14	3	
10	64QAM	25	25	13.13	13.12	13.01	13.06			
10	64QAM	50	0	13.21	13.17	13.09	13.04			
Channel				55265	55610	56170	56715	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				3552.5	3607	3643	3697.5			
5	QPSK	1	0	16.11	16.10	16.13	16.03			
5	QPSK	1	12	15.97	15.98	15.96	15.82	17	0	
5	QPSK	1	24	16.00	15.98	15.83	15.80			
5	QPSK	12	0	15.14	15.16	15.17	15.11			
5	QPSK	12	7	15.15	15.08	15.13	15.01	16	1	
5	QPSK	12	13	15.06	15.01	14.88	15.02			
5	QPSK	25	0	15.13	15.11	15.07	15.02			
5	16QAM	1	0	15.25	15.13	15.11	15.20	16	1	
5	16QAM	1	12	15.01	15.02	14.96	14.94			
5	16QAM	1	24	15.10	14.92	14.95	14.83			
5	16QAM	12	0	14.25	14.16	14.12	14.08			
5	16QAM	12	7	14.11	14.09	14.12	14.05	15	2	
5	16QAM	12	13	14.11	14.07	14.03	14.05			
5	16QAM	25	0	14.11	14.11	14.07	14.08			
5	64QAM	1	0	14.08	14.20	14.13	14.11			
5	64QAM	1	12	14.01	13.90	13.93	13.80	15	2	
5	64QAM	1	24	14.04	13.96	13.85	13.80			
5	64QAM	12	0	13.16	13.17	13.18	13.14			
5	64QAM	12	7	13.15	13.15	13.17	13.13	14	3	
5	64QAM	12	13	13.15	13.03	12.96	13.03			
5	64QAM	25	0	13.16	13.13	13.08	13.10			



n2_MIMO 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				37200	37600	38000			
Frequency (MHz)				1850	1880	1900			
20	PI/2-BPSK	1	1	23.08	23.29	23.42			
20	PI/2-BPSK	1	53	23.01	23.28	23.39	24.0	0.0	
20	PI/2-BPSK	1	104	22.98	23.25	23.34			
20	PI/2-BPSK	50	0	23.07	23.28	23.41			
20	PI/2-BPSK	50	28	23.00	23.25	23.33	24.0	0.0	
20	PI/2-BPSK	50	56	22.96	23.19	23.23			
20	PI/2-BPSK	100	0	22.53	22.77	22.83	23.5	0.5	
20	GPSK	1	1	23.05	23.24	23.37			
20	GPSK	1	53	23.04	23.23	23.32	24.0	0.0	
20	GPSK	1	104	22.98	23.20	23.29			
20	GPSK	50	0	23.06	23.24	23.37			
20	GPSK	50	28	23.05	23.23	23.29	24.0	0.0	
20	GPSK	50	56	23.04	23.20	23.22			
20	GPSK	100	0	22.08	22.25	22.38	23.0	1.0	
20	16QAM	1	1	22.05	22.22	22.40	23.0	1.0	
20	16QAM	1	1	20.51	20.69	20.90	21.5	2.5	
20	256QAM	1	1	18.50	18.74	18.86	19.5	4.5	
Channel				371500	376000	380500			
Frequency (MHz)				1857.5	1880	1902.5			
15	PI/2-BPSK	1	1	22.98	23.29	23.41	24.0	0.0	
Channel				371000	376000	381000			
Frequency (MHz)				1855	1880	1905			
10	PI/2-BPSK	1	1	23.05	23.22	23.37	24.0	0.0	
Channel				370500	376000	381500			
Frequency (MHz)				1852.5	1880	1907.5			
5	PI/2-BPSK	1	1	23.00	23.21	23.38	24.0	0.0	



n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37200	37600	38000		
Frequency (MHz)				1860	1880	1900		
20	PV2 BPSK	1	1	23.62	23.32	23.53		
20	PV2 BPSK	1	53	23.61	23.32	23.50	24.0	0.0
20	PV2 BPSK	1	104	23.53	23.23	23.44		
20	PV2 BPSK	50	0	23.57	23.24	23.51		
20	PV2 BPSK	50	28	23.54	23.23	23.48	24.0	0.0
20	PV2 BPSK	50	56	23.55	23.22	23.46		
20	PV2 BPSK	100	0	23.09	22.75	22.96	23.5	0.5
20	QPSK	1	1	23.61	23.30	23.53		
20	QPSK	1	53	23.59	23.29	23.50	24.0	0.0
20	QPSK	1	104	23.55	23.26	23.45		
20	QPSK	50	0	23.53	23.26	23.46		
20	QPSK	50	28	23.59	23.31	23.46	24.0	0.0
20	QPSK	50	56	23.59	23.22	23.49		
20	QPSK	100	0	22.59	22.29	22.47	23.0	1.0
20	16QAM	1	1	22.62	22.24	22.52	23.0	1.0
20	64QAM	1	1	21.06	20.81	21.00	21.5	2.5
20	256QAM	1	1	19.06	18.80	18.97	19.5	4.5
Channel				371500	376000	380500		
Frequency (MHz)				1857.5	1880	1902.5		
15	PV2 BPSK	1	1	23.61	23.26	23.51	24.0	0.0
Channel				371000	376000	381000		
Frequency (MHz)				1865	1880	1905		
10	PV2 BPSK	1	1	23.58	23.24	23.52	24.0	0.0
Channel				370500	376000	381500		
Frequency (MHz)				1852.5	1880	1907.5		
5	PV2 BPSK	1	1	23.56	23.26	23.48	24.0	0.0



n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PV2 BPSK	1	1	23.49	23.53	23.52		
20	PV2 BPSK	1	53	23.48	23.50	23.47	24.0	0.0
20	PV2 BPSK	1	104	23.42	23.50	23.42		
20	PV2 BPSK	50	0	23.48	23.52	23.50		
20	PV2 BPSK	50	28	23.46	23.50	23.49	24.0	0.0
20	PV2 BPSK	50	56	23.38	23.47	23.45		
20	PV2 BPSK	100	0	22.89	23.01	22.95	23.5	0.5
20	QPSK	1	1	23.44	23.50	23.49		
20	QPSK	1	53	23.48	23.46	23.48	24.0	0.0
20	QPSK	1	104	23.45	23.44	23.47		
20	QPSK	50	0	23.42	23.48	23.51		
20	QPSK	50	28	23.42	23.50	23.50	24.0	0.0
20	QPSK	50	56	23.40	23.50	23.48		
20	QPSK	100	0	22.40	22.48	22.51	23.0	1.0
20	16QAM	1	1	22.47	22.46	22.43	23.0	1.0
20	64QAM	1	1	20.93	21.02	20.93	21.5	2.5
20	256QAM	1	1	18.98	18.99	19.02	19.5	4.5
Channel				168300	167300	168300	168300	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PV2 BPSK	1	1	23.40	23.43	23.45	24.0	0.0
Channel				165800	167300	168800	165800	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PV2 BPSK	1	1	23.48	23.52	23.44	24.0	0.0
Channel				163300	167300	163300	163300	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PV2 BPSK	1	1	23.42	23.47	23.43	24.0	0.0



n7_MIMO 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PV2 BPSK	1	1	22.35	22.52	22.13		
20	PV2 BPSK	1	53	22.27	22.44	22.04	24.0	0.0
20	PV2 BPSK	1	104	22.30	22.50	22.09		
20	PV2 BPSK	50	0	22.28	22.50	22.06		
20	PV2 BPSK	50	28	22.25	22.49	22.08	24.0	0.0
20	PV2 BPSK	50	56	22.33	22.45	22.13		
20	PV2 BPSK	100	0	21.85	22.00	21.59	23.5	0.5
20	QPSK	1	1	22.25	22.45	22.09		
20	QPSK	1	53	22.33	22.47	22.04	24.0	0.0
20	QPSK	1	104	22.30	22.42	22.07		
20	QPSK	50	0	22.35	22.45	22.03		
20	QPSK	50	28	22.29	22.46	22.03	24.0	0.0
20	QPSK	50	56	22.33	22.43	22.08		
20	QPSK	100	0	21.28	21.45	21.10	23.0	1.0
20	16QAM	1	1	21.35	21.43	21.13	23.0	1.0
20	64QAM	1	1	19.78	20.00	19.61	21.5	2.5
20	256QAM	1	1	17.77	18.02	17.58	19.5	4.5
Channel				501500	507000	512500	15dBm	MPR
Frequency (MHz)				2507.5	2535	2562.5	limit	(dB)
15	PV2 BPSK	1	1	22.28	22.44	22.04	24.0	0.0
Channel				501000	507000	513000	15dBm	MPR
Frequency (MHz)				2505	2535	2565	limit	(dB)
10	PV2 BPSK	1	1	22.28	22.45	22.03	24.0	0.0
Channel				505500	507000	513500	15dBm	MPR
Frequency (MHz)				2502.5	2535	2567.5	limit	(dB)
5	PV2 BPSK	1	1	22.35	22.45	22.09	24.0	0.0



n71								
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	132100	137600		
Frequency (MHz)				673	660.5	688		
20	PI/2 BPSK	1	1	23.63	23.44	23.48		
20	PI/2 BPSK	1	53	23.68	23.43	23.47	24.0	0.0
20	PI/2 BPSK	1	104	23.67	23.42	23.42		
20	PI/2 BPSK	50	0	23.60	23.40	23.46		
20	PI/2 BPSK	50	26	23.58	23.38	23.43	24.0	0.0
20	PI/2 BPSK	50	56	23.55	23.36	23.39		
20	PI/2 BPSK	100	0	23.10	22.84	22.91	23.5	0.5
20	QPSK	1	1	23.56	23.36	23.41		
20	QPSK	1	53	23.56	23.39	23.46	24.0	0.0
20	QPSK	1	104	23.59	23.43	23.43		
20	QPSK	50	0	23.62	23.44	23.42		
20	QPSK	50	26	23.53	23.40	23.43	24.0	0.0
20	QPSK	50	56	23.63	23.44	23.45		
20	QPSK	100	0	22.56	22.37	22.38	23.0	1.0
20	16QAM	1	1	22.60	22.44	22.46	23.0	1.0
20	64QAM	1	1	21.09	20.89	20.95	21.5	2.5
20	256QAM	1	1	19.04	18.85	18.91	19.5	4.5
Channel				134100	132100	138100	138100	MPR (dB)
Frequency (MHz)				670.5	660.5	690.5		
15	PI/2 BPSK	1	1	23.55	23.40	23.43	24.0	0.0
Channel				133600	136100	136600	136600	MPR (dB)
Frequency (MHz)				668	660.5	693		
10	PI/2 BPSK	1	1	23.61	23.39	23.45	24.0	0.0
Channel				133100	132100	138100	138100	MPR (dB)
Frequency (MHz)				665.5	660.5	695.5		
5	PI/2 BPSK	1	1	23.62	23.36	23.42	24.0	0.0



n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141500	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	23.40	23.37	23.35		
15	PI/2 BPSK	1	40	23.38	23.36	23.31	24.0	0.0
15	PI/2 BPSK	1	77	23.35	23.33	23.29		
15	PI/2 BPSK	36	0	23.36	23.35	23.30		
15	PI/2 BPSK	36	22	23.34	23.35	23.29	24.0	0.0
15	PI/2 BPSK	36	43	23.30	23.27	23.28		
15	PI/2 BPSK	75	0	22.81	22.80	22.78	23.5	0.5
15	QPSK	1	1	23.38	23.30	23.28		
15	QPSK	1	40	23.31	23.27	23.25	24.0	0.0
15	QPSK	1	77	23.31	23.27	23.35		
15	QPSK	36	0	23.35	23.30	23.28		
15	QPSK	36	22	23.33	23.28	23.27	24.0	0.0
15	QPSK	36	43	23.32	23.29	23.29		
15	QPSK	75	0	22.38	22.37	22.28	23.0	1.0
15	16QAM	1	1	22.36	22.34	22.29	23.0	1.0
15	84QAM	1	1	20.85	20.83	20.78	21.5	2.5
15	256QAM	1	1	18.88	18.85	18.78	19.5	4.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	PI/2 BPSK	1	1	23.36	23.37	23.28	24.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	PI/2 BPSK	1	1	23.33	23.27	23.30	24.0	0.0



n66_MIMO 2									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	22.44	23.46	22.13			
20	PI/2 BPSK	1	53	22.51	23.43	22.11	24.0	0.0	
20	PI/2 BPSK	1	104	22.38	23.36	22.19			
20	PI/2 BPSK	50	0	22.45	23.38	22.14			
20	PI/2 BPSK	50	23	22.51	23.33	22.12	24.0	0.0	
20	PI/2 BPSK	50	56	22.40	23.20	22.10			
20	PI/2 BPSK	100	0	21.82	22.87	21.57	23.5	0.5	
20	QPSK	1	1	22.35	23.41	22.18			
20	QPSK	1	53	22.43	23.34	22.06	24.0	0.0	
20	QPSK	1	104	22.44	23.44	22.13			
20	QPSK	50	0	22.37	23.41	22.09			
20	QPSK	50	28	22.45	23.41	22.04	24.0	0.0	
20	QPSK	50	56	22.46	23.37	22.08			
20	QPSK	100	0	21.44	22.33	21.13	23.0	1.0	
20	16QAM	1	1	21.46	22.47	21.10	23.0	1.0	
20	64QAM	1	1	19.89	20.85	19.72	21.5	2.5	
20	256QAM	1	1	17.92	18.93	17.64	19.5	4.5	
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	22.45	23.41	22.14	24.0	0.0	
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	22.53	23.40	22.20	24.0	0.0	
Channel				342500	349000	355000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	22.46	23.39	22.23	24.0	0.0	



n66									
BW (MHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				344000	349000	354000			
Frequency (MHz)				1720	1745	1770			
20	PI/2 BPSK	1	1	22.11	23.09	23.37			
20	PI/2 BPSK	1	53	22.12	23.03	23.43	24.0	0.0	
20	PI/2 BPSK	1	104	22.00	22.97	23.37			
20	PI/2 BPSK	50	0	22.11	23.06	23.40			
20	PI/2 BPSK	50	28	22.07	23.06	23.35	24.0	0.0	
20	PI/2 BPSK	50	56	22.11	22.98	23.39			
20	PI/2 BPSK	100	0	21.83	22.50	22.99	23.5	0.5	
20	QPSK	1	1	22.04	22.99	23.33			
20	QPSK	1	53	22.04	23.03	23.32	24.0	0.0	
20	QPSK	1	104	22.08	23.05	23.32			
20	QPSK	50	0	22.09	23.07	23.41			
20	QPSK	50	28	22.06	23.08	23.42	24.0	0.0	
20	QPSK	50	56	22.04	23.06	23.33			
20	QPSK	100	0	21.14	21.98	22.34	23.0	1.0	
20	16QAM	1	1	21.09	21.99	22.37	23.0	1.0	
20	64QAM	1	1	19.60	20.60	20.80	21.5	2.5	
20	256QAM	1	1	17.64	18.52	19.30	19.5	4.5	
Channel				343000	349000	355000	15dBm up limit	MPR	
Frequency (MHz)				1717.5	1745	1772.5			
15	PI/2 BPSK	1	1	22.10	23.03	23.38	24.0	0.0	
Channel				343000	349000	355000	15dBm up limit	MPR	
Frequency (MHz)				1715	1745	1775			
10	PI/2 BPSK	1	1	22.09	23.09	23.45	24.0	0.0	
Channel				342000	349000	355000	15dBm up limit	MPR	
Frequency (MHz)				1712.5	1745	1777.5			
5	PI/2 BPSK	1	1	22.08	23.06	23.41	24.0	0.0	



n2_MIMO 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power			Tune-up limit (dBm)	MPR (dB)	
				Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.			
Channel				372000	376000	380000			
Frequency (MHz)				1860	1880	1900			
20	PI/2 BPSK	1	1	14.08	14.29	14.42			
20	PI/2 BPSK	1	53	14.03	14.24	14.32	15.0	0.0	
20	PI/2 BPSK	1	104	14.04	14.19	14.41			
20	PI/2 BPSK	50	0	14.06	14.28	14.39			
20	PI/2 BPSK	50	29	14.01	14.22	14.36	15.0	0.0	
20	PI/2 BPSK	50	58	14.01	14.20	14.32			
20	PI/2 BPSK	100	0	13.98	14.23	14.32	15.0	0.0	
20	QPSK	1	1	14.06	14.23	14.37			
20	QPSK	1	53	14.01	14.23	14.34	15.0	0.0	
20	QPSK	1	104	14.00	14.24	14.38			
20	QPSK	50	0	14.03	14.21	14.32			
20	QPSK	50	28	14.00	14.24	14.35	15.0	0.0	
20	QPSK	50	56	14.02	14.23	14.41			
20	QPSK	100	0	14.04	14.21	14.33	15.0	0.0	
20	16QAM	1	1	14.08	14.25	14.33	15.0	0.0	
20	64QAM	1	1	13.98	14.19	14.38	15.0	0.0	
20	256QAM	1	1	14.01	14.21	14.32	15.0	0.0	
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1867.5	1880	1902.5			
15	PI/2 BPSK	1	1	14.02	14.19	14.38	15.0	0.0	
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1865	1880	1906			
10	PI/2 BPSK	1	1	14.07	14.22	14.39	15.0	0.0	
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				1862.5	1880	1907.5			
5	PI/2 BPSK	1	1	14.08	14.22	14.42	15.0	0.0	



n2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PV2 BPSK	1	1	16.11	15.82	16.12		
20	PV2 BPSK	1	53	16.06	15.75	16.07	16.5	0.0
20	PV2 BPSK	1	104	16.03	15.73	16.04		
20	PV2 BPSK	50	0	16.00	15.81	16.02		
20	PV2 BPSK	50	28	15.95	15.75	15.94	16.5	0.0
20	PV2 BPSK	50	56	15.89	15.79	15.83		
20	PV2 BPSK	100	0	16.02	15.75	16.08	16.5	0.0
20	QPSK	1	1	16.06	15.77	15.96		
20	QPSK	1	53	16.11	15.73	15.95	16.5	0.0
20	QPSK	1	104	16.02	15.74	15.95		
20	QPSK	50	0	16.06	15.75	16.01		
20	QPSK	50	28	16.03	15.76	16.02	16.5	0.0
20	QPSK	50	56	16.05	15.80	15.95		
20	QPSK	100	0	16.09	15.81	15.93	16.5	0.0
20	16QAM	1	1	16.08	15.73	15.94	16.5	0.0
20	64QAM	1	1	16.05	15.80	15.97	16.5	0.0
20	256QAM	1	1	16.07	15.79	15.98	16.5	0.0
Channel				371500	376000	380500	15.5	MPR
Frequency (MHz)				1857.5	1880	1902.5		
15	PV2 BPSK	1	1	16.11	15.81	16.02	16.5	0.0
Channel				371000	376000	381000	15.5	MPR
Frequency (MHz)				1855	1880	1905		
10	PV2 BPSK	1	1	16.02	15.73	15.93	16.5	0.0
Channel				370500	376000	381500	15.5	MPR
Frequency (MHz)				1852.5	1880	1907.5		
5	PV2 BPSK	1	1	16.02	15.74	16.03	16.5	0.0



n5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PV2 BPSK	1	1	17.99	18.03	18.02		
20	PV2 BPSK	1	53	17.92	17.93	17.95	18.5	0.0
20	PV2 BPSK	1	104	17.97	17.95	18.01		
20	PV2 BPSK	50	0	17.94	18.02	18.00		
20	PV2 BPSK	50	28	17.95	18.02	17.97	18.5	0.0
20	PV2 BPSK	50	56	17.91	18.01	17.94		
20	PV2 BPSK	100	0	17.94	18.02	17.93	18.5	0.0
20	QPSK	1	1	17.95	17.95	17.97		
20	QPSK	1	53	17.91	17.97	17.96	18.5	0.0
20	QPSK	1	104	17.91	17.95	17.98		
20	QPSK	50	0	17.89	17.97	17.95		
20	QPSK	50	28	17.97	17.97	18.00	18.5	0.0
20	QPSK	50	56	17.89	18.00	18.01		
20	QPSK	100	0	17.94	17.98	17.94	18.5	0.0
20	16QAM	1	1	17.95	17.97	17.98	18.5	0.0
20	64QAM	1	1	17.96	17.94	17.96	18.5	0.0
20	256QAM	1	1	17.98	18.02	17.93	18.5	0.0
Channel				168300	167300	168300	18.5	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	PV2 BPSK	1	1	17.97	18.02	18.00	18.5	0.0
Channel				165800	167300	168800	18.5	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	PV2 BPSK	1	1	17.97	17.95	17.94	18.5	0.0
Channel				165300	167300	165300	18.5	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	PV2 BPSK	1	1	17.97	17.94	17.97	18.5	0.0



n7_MIMO 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				50200	50700	51200		
Frequency (MHz)				2510	2535	2560		
20	PV2 BPSK	1	1	11.35	11.52	11.13		
20	PV2 BPSK	1	53	11.27	11.43	11.10	13.0	0.0
20	PV2 BPSK	1	104	11.25	11.43	11.09		
20	PV2 BPSK	50	0	11.35	11.46	11.13		
20	PV2 BPSK	50	28	11.32	11.45	11.12	13.0	0.0
20	PV2 BPSK	50	56	11.22	11.43	11.03		
20	PV2 BPSK	100	0	11.29	11.45	11.04	13.0	0.0
20	QPSK	1	1	11.31	11.43	11.08		
20	QPSK	1	53	11.27	11.45	11.06	13.0	0.0
20	QPSK	1	104	11.34	11.47	11.11		
20	QPSK	50	0	11.31	11.48	11.06		
20	QPSK	50	28	11.31	11.50	11.05	13.0	0.0
20	QPSK	50	56	11.33	11.42	11.03		
20	QPSK	100	0	11.33	11.44	11.08	13.0	0.0
20	16QAM	1	1	11.34	11.50	11.03	13.0	0.0
20	64QAM	1	1	11.26	11.48	11.05	13.0	0.0
20	256QAM	1	1	11.28	11.43	11.07	13.0	0.0
Channel				501500	507000	512500	13.0	MPR
Frequency (MHz)				2507.5	2535	2562.5		
15	PV2 BPSK	1	1	11.31	11.50	11.11	13.0	0.0
Channel				501000	507000	513000	13.0	MPR
Frequency (MHz)				2505	2535	2565		
10	PV2 BPSK	1	1	11.33	11.51	11.09	13.0	0.0
Channel				505000	507000	513500	13.0	MPR
Frequency (MHz)				2502.5	2535	2567.5		
5	PV2 BPSK	1	1	11.25	11.42	11.05	13.0	0.0



n71								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				134600	135100	137500		
Frequency (MHz)				673	680.5	688		
20	PV2 BPSK	1	1	21.13	20.94	20.98		
20	PV2 BPSK	1	53	21.11	20.94	20.96	21.5	0.0
20	PV2 BPSK	1	104	21.05	20.93	20.89		
20	PV2 BPSK	50	0	21.05	20.94	20.97		
20	PV2 BPSK	50	28	21.05	20.88	20.96	21.5	0.0
20	PV2 BPSK	50	56	21.03	20.86	20.94		
20	PV2 BPSK	100	0	21.11	20.89	20.92	21.5	0.0
20	QPSK	1	1	21.09	20.88	20.91		
20	QPSK	1	53	21.04	20.92	20.93	21.5	0.0
20	QPSK	1	104	21.11	20.89	20.92		
20	QPSK	50	0	21.09	20.93	20.96		
20	QPSK	50	28	21.08	20.92	20.92	21.5	0.0
20	QPSK	50	56	21.03	20.91	20.95		
20	QPSK	100	0	21.10	20.91	20.98	21.5	0.0
20	16QAM	1	1	21.10	20.85	20.98	21.5	0.0
20	64QAM	1	1	21.10	20.91	20.97	21.5	0.0
20	256QAM	1	1	19.04	18.94	18.92	19.5	2.0
Channel				134100	136100	138100	138100	MPR (dB)
Frequency (MHz)				670.5	680.5	690.5		
15	PV2 BPSK	1	1	21.03	20.86	20.98	21.5	0.0
Channel				133600	136100	138600	138600	MPR (dB)
Frequency (MHz)				668	680.5	693		
10	PV2 BPSK	1	1	21.05	20.84	20.92	21.5	0.0
Channel				133100	136100	139100	139100	MPR (dB)
Frequency (MHz)				665.5	680.5	695.5		
5	PV2 BPSK	1	1	21.10	20.94	20.94	21.5	0.0



n12								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				141500	141500	141700		
Frequency (MHz)				706.5	707.5	708.5		
15	PI/2 BPSK	1	1	20.40	20.37	20.35		
15	PI/2 BPSK	1	49	20.39	20.34	20.33	21.0	0.0
15	PI/2 BPSK	1	77	20.34	20.27	20.29		
15	PI/2 BPSK	36	0	20.37	20.35	20.33		
15	PI/2 BPSK	36	22	20.33	20.35	20.25	21.0	0.0
15	PI/2 BPSK	36	43	20.30	20.28	20.25		
15	PI/2 BPSK	75	0	20.33	20.32	20.32	21.0	0.0
15	QPSK	1	1	20.37	20.28	20.25		
15	QPSK	1	49	20.33	20.27	20.34	21.0	0.0
15	QPSK	1	77	20.33	20.28	20.25		
15	QPSK	36	0	20.35	20.34	20.30		
15	QPSK	36	22	20.33	20.27	20.35	21.0	0.0
15	QPSK	36	43	20.35	20.34	20.30		
15	QPSK	75	0	20.37	20.32	20.34	21.0	0.0
15	16QAM	1	1	20.34	20.34	20.27	21.0	0.0
15	84QAM	1	1	20.38	20.32	20.29	21.0	0.0
15	256QAM	1	1	18.86	18.78	18.75	19.5	1.5
Channel				140800	141500	142200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				704	707.5	711		
10	PI/2 BPSK	1	1	20.34	20.31	20.28	21.0	0.0
Channel				140300	141500	142700	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	PI/2 BPSK	1	1	20.37	20.27	20.34	21.0	0.0



n66_MIMO 2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				343000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	13.46	14.46	13.23		
20	PI/2 BPSK	1	53	13.45	14.42	13.22	15.0	0.0
20	PI/2 BPSK	1	104	13.44	14.34	13.17		
20	PI/2 BPSK	50	0	13.51	14.46	13.11		
20	PI/2 BPSK	50	29	13.46	14.42	13.11	15.0	0.0
20	PI/2 BPSK	50	58	13.47	14.34	13.05		
20	PI/2 BPSK	100	0	13.40	14.34	13.13	15.0	0.0
20	QPSK	1	1	13.43	14.46	13.16		
20	QPSK	1	53	13.47	14.40	13.05	15.0	0.0
20	QPSK	1	104	13.45	14.39	13.07		
20	QPSK	50	0	13.52	14.38	13.14		
20	QPSK	50	28	13.48	14.35	13.12	15.0	0.0
20	QPSK	50	56	13.50	14.33	13.13		
20	QPSK	100	0	13.48	14.32	13.14	15.0	0.0
20	16QAM	1	1	13.41	14.37	13.19	15.0	0.0
20	64QAM	1	1	13.53	14.39	13.07	15.0	0.0
20	256QAM	1	1	13.47	14.41	13.13	15.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PI/2 BPSK	1	1	13.47	14.45	13.22	15.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PI/2 BPSK	1	1	13.54	14.38	13.23	15.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PI/2 BPSK	1	1	13.52	14.44	13.18	15.0	0.0



n66								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				344000	349000	354000		
Frequency (MHz)				1720	1745	1770		
20	PV2 BPSK	1	1	13.62	14.59	14.90		
20	PV2 BPSK	1	53	13.60	14.50	14.94	15.5	0.0
20	PV2 BPSK	1	104	13.51	14.41	14.85		
20	PV2 BPSK	50	0	13.66	14.56	14.84		
20	PV2 BPSK	50	28	13.58	14.48	14.87	15.5	0.0
20	PV2 BPSK	50	56	13.56	14.43	14.85		
20	PV2 BPSK	100	0	13.50	14.55	14.83	15.5	0.0
20	QPSK	1	1	13.64	14.58	14.79		
20	QPSK	1	53	13.58	14.52	14.85	15.5	0.0
20	QPSK	1	104	13.53	14.59	14.84		
20	QPSK	50	0	13.63	14.45	14.82		
20	QPSK	50	28	13.61	14.53	14.92	15.5	0.0
20	QPSK	50	56	13.50	14.56	14.86		
20	QPSK	100	0	13.58	14.54	14.85	15.5	0.0
20	16QAM	1	1	13.64	14.50	14.83	15.5	0.0
20	64QAM	1	1	13.63	14.55	14.87	15.5	0.0
20	256QAM	1	1	13.56	14.50	14.85	15.5	0.0
Channel				343000	349000	354000	15dB+MP limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	PV2 BPSK	1	1	13.66	14.62	14.95	15.5	0.0
Channel				343000	349000	355000	15dB+MP limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	PV2 BPSK	1	1	13.67	14.61	14.88	15.5	0.0
Channel				342000	349000	355000	15dB+MP limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	PV2 BPSK	1	1	13.60	14.56	14.87	15.5	0.0



n41_MIMO 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				509202	518598	528000			
Frequency (MHz)				2546.01	2592.99	2640			
100	PI/2 BPSK	1	1	23.92	23.75	23.77			
100	PI/2 BPSK	1	137	23.91	23.73	23.70	24.0	0.0	
100	PI/2 BPSK	1	271	23.86	23.65	23.62			
100	PI/2 BPSK	135	0	23.90	23.72	23.74			
100	PI/2 BPSK	135	69	23.87	23.66	23.71	24.0	0.0	
100	PI/2 BPSK	135	138	23.82	23.62	23.70			
100	PI/2 BPSK	270	0	23.33	23.19	23.16	23.5	0.5	
100	QPSK	1	1	23.83	23.65	23.70			
100	QPSK	1	137	23.82	23.67	23.75	24.0	0.0	
100	QPSK	1	271	23.82	23.70	23.72			
100	QPSK	135	0	23.83	23.69	23.72			
100	QPSK	135	69	23.91	23.71	23.75	24.0	0.0	
100	QPSK	135	138	23.86	23.71	23.71			
100	QPSK	270	0	22.87	22.72	22.66	23.0	1.0	
100	16QAM	1	1	22.82	22.66	22.74	23.0	1.0	
100	64QAM	1	1	21.42	21.18	21.17	21.5	2.5	
100	256QAM	1	1	19.36	18.17	19.18	19.5	4.5	
Channel				506200	518598	528996			
Frequency (MHz)				2531	2592.99	2644.98			
90	PI/2 BPSK	1	1	23.85	23.72	23.73	24.0	0.0	
Channel				507204	518598	529998			
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PI/2 BPSK	1	1	23.89	23.75	23.67	24.0	0.0	
Channel				506200	518598	531996			
Frequency (MHz)				2526	2592.99	2639.98			
60	PI/2 BPSK	1	1	23.90	23.68	23.70	24.0	0.0	
Channel				504204	518598	532998			
Frequency (MHz)				2521.02	2592.99	2684.99			
50	PI/2 BPSK	1	1	23.82	23.66	23.66	24.0	0.0	
Channel				503202	518598	534000			
Frequency (MHz)				2516.01	2592.99	2670			
40	PI/2 BPSK	1	1	23.91	23.70	23.71	24.0	0.0	
Channel				501204	518598	535998			
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PI/2 BPSK	1	1	23.89	23.69	23.66	24.0	0.0	



n41_MIMO 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)	
Channel				508202	518598	528998			
Frequency (MHz)				2546.01	2592.99	2640			
100	PV2 BPSK	1	1	12.82	12.78	12.78			
100	PV2 BPSK	1	137	12.78	12.75	12.78	13.0	0.0	
100	PV2 BPSK	1	271	12.72	12.75	12.73			
100	PV2 BPSK	135	0	12.80	12.76	12.78			
100	PV2 BPSK	135	69	12.78	12.73	12.75	13.0	0.0	
100	PV2 BPSK	135	138	12.72	12.70	12.68			
100	PV2 BPSK	270	0	12.78	12.77	12.77	13.0	0.0	
100	QPSK	1	1	12.78	12.71	12.68			
100	QPSK	1	137	12.80	12.69	12.71	13.0	0.0	
100	QPSK	1	271	12.81	12.76	12.75			
100	QPSK	135	0	12.76	12.76	12.68			
100	QPSK	135	69	12.75	12.68	12.77	13.0	0.0	
100	QPSK	135	138	12.74	12.77	12.78			
100	QPSK	270	0	12.80	12.73	12.70	13.0	0.0	
100	16QAM	1	1	12.77	12.76	12.74	13.0	0.0	
100	84QAM	1	1	12.81	12.76	12.75	13.0	0.0	
100	256QAM	1	1	12.72	12.77	12.71	13.0	0.0	
Channel				508200	518598	528998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2541	2592.99	2644.98			
90	PV2 BPSK	1	1	12.81	12.78	12.70	13.0	0.0	
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2536.02	2592.99	2649.99			
80	PV2 BPSK	1	1	12.79	12.71	12.69	13.0	0.0	
Channel				508200	518598	531998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2526	2592.99	2659.98			
60	PV2 BPSK	1	1	12.75	12.74	12.72	13.0	0.0	
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2521.02	2592.99	2654.99			
50	PV2 BPSK	1	1	12.77	12.77	12.70	13.0	0.0	
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2516.01	2592.99	2670			
40	PV2 BPSK	1	1	12.78	12.78	12.69	13.0	0.0	
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)	
Frequency (MHz)				2506.02	2592.99	2679.99			
20	PV2 BPSK	1	1	12.81	12.73	12.68	13.0	0.0	