Full Power/Default Power for Inter-Band CA

Band 2_Ant 1

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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

Band 2_Ant 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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

Band 2_Ant 11

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	20.27	20.25	20.21	21.5	0
20	QPSK	1	49	20.33	20.35	20.23		
20	QPSK	1	99	20.31	20.25	20.22		
20	QPSK	50	0	20.15	19.98	20.08	21.5	0
20	QPSK	50	24	20.30	20.33	20.20		
20	QPSK	50	50	19.97	20.13	20.01		
20	QPSK	100	0	20.01	20.28	20.16		
20	16QAM	1	0	19.90	19.85	19.62	21.5	0
20	16QAM	1	49	19.81	19.85	19.78		
20	16QAM	1	99	19.62	19.86	19.85		
20	16QAM	50	0	20.04	20.16	20.22	21.5	0
20	16QAM	50	24	20.01	20.15	20.01		
20	16QAM	50	50	20.06	20.18	20.09		
20	16QAM	100	0	19.94	20.09	19.81		
20	64QAM	1	0	19.71	19.87	19.73	21.5	0
20	64QAM	1	49	19.52	19.75	19.67		
20	64QAM	1	99	19.79	19.88	19.82		
20	64QAM	50	0	19.81	20.02	19.85	21.5	0
20	64QAM	50	24	19.82	20.03	19.97		
20	64QAM	50	50	19.78	20.03	20.02		
20	64QAM	100	0	19.99	20.02	19.86		
20	256QAM	1	0	18.11	18.27	18.29	19.5	2
20	256QAM	1	49	18.41	18.37	18.45		
20	256QAM	1	99	18.20	18.31	18.06		
20	256QAM	50	0	17.91	18.13	17.91	19.5	2
20	256QAM	50	24	18.13	18.12	18.16		
20	256QAM	50	50	18.01	18.15	18.11		
20	256QAM	100	0	17.89	18.11	18.17		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.23	20.03	20.27	21.5	0
15	QPSK	1	37	20.07	20.23	20.04		
15	QPSK	1	74	20.03	20.10	20.02		
15	QPSK	36	0	20.15	19.78	20.14	21.5	0
15	QPSK	36	20	20.08	20.29	20.17		
15	QPSK	36	39	20.04	20.09	19.86		
15	QPSK	75	0	19.82	20.11	19.96		
15	16QAM	1	0	19.88	19.81	19.62	21.5	0
15	16QAM	1	37	19.63	19.89	19.74		
15	16QAM	1	74	19.59	19.87	19.69		
15	16QAM	36	0	19.96	20.22	20.05	21.5	0
15	16QAM	36	20	20.04	20.22	19.84		
15	16QAM	36	39	20.03	20.16	19.98		
15	16QAM	75	0	19.95	19.88	19.59		
15	64QAM	1	0	19.79	19.67	19.50	21.5	0
15	64QAM	1	37	19.70	19.55	19.54		
15	64QAM	1	74	19.58	19.89	19.68		
15	64QAM	36	0	19.72	20.10	19.66	21.5	0
15	64QAM	36	20	19.56	19.99	19.97		
15	64QAM	36	39	19.82	19.98	19.93		
15	64QAM	75	0	19.83	19.86	19.79		
15	256QAM	1	0	17.89	18.05	18.19	19.5	2
15	256QAM	1	37	18.49	18.35	18.23		
15	256QAM	1	74	17.97	18.18	17.98		
15	256QAM	36	0	17.77	17.87	17.95	19.5	2
15	256QAM	36	20	18.12	17.99	17.90		
15	256QAM	36	39	18.04	17.96	17.84		
15	256QAM	75	0	17.89	18.16	18.06		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.04	20.00	20.27	21.5	0
10	QPSK	1	25	20.24	20.17	20.23		
10	QPSK	1	49	20.32	20.22	19.94		
10	QPSK	25	0	19.87	19.88	19.98	21.5	0
10	QPSK	25	12	20.19	20.06	19.96		
10	QPSK	25	25	19.98	20.08	20.00		
10	QPSK	50	0	20.05	20.11	20.09		
10	16QAM	1	0	19.82	19.91	19.53	21.5	0
10	16QAM	1	25	19.61	19.70	19.67		
10	16QAM	1	49	19.60	19.64	19.82		
10	16QAM	25	0	19.86	20.05	20.19	21.5	0
10	16QAM	25	12	19.83	20.02	20.03		
10	16QAM	25	25	19.88	20.02	19.96		
10	16QAM	50	0	19.79	20.13	19.73		
10	64QAM	1	0	19.50	19.89	19.76	21.5	0
10	64QAM	1	25	19.51	19.79	19.65		
10	64QAM	1	49	19.75	19.83	19.59		
10	64QAM	25	0	19.67	20.09	19.70	21.5	0
10	64QAM	25	12	19.65	19.79	19.73		
10	64QAM	25	25	19.73	19.84	19.74		
10	64QAM	50	0	20.05	20.09	19.86		
10	256QAM	1	0	18.01	18.25	18.32	19.5	2
10	256QAM	1	25	18.32	18.25	18.38		
10	256QAM	1	49	17.97	18.32	17.82		
10	256QAM	25	0	17.77	17.92	17.89	19.5	2
10	256QAM	25	12	17.87	17.88	17.93		
10	256QAM	25	25	17.77	18.19	17.88		
10	256QAM	50	0	17.70	17.87	17.94		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.06	20.12	20.12	21.5	0
5	QPSK	1	12	20.32	20.09	20.30		
5	QPSK	1	24	20.32	20.06	20.25		
5	QPSK	12	0	19.87	19.99	20.11	21.5	0
5	QPSK	12	7	20.06	20.23	19.97		
5	QPSK	12	13	19.90	20.05	20.05		
5	QPSK	25	0	19.90	20.08	19.89		
5	16QAM	1	0	19.69	19.78	19.65	21.5	0
5	16QAM	1	12	19.66	19.70	19.52		
5	16QAM	1	24	19.52	19.84	19.76		
5	16QAM	12	0	20.10	20.14	19.99	21.5	0
5	16QAM	12	7	19.86	20.22	19.95		
5	16QAM	12	13	19.97	20.09	19.88		
5	16QAM	25	0	19.97	19.89	19.66		
5	64QAM	1	0	19.57	19.81	19.56	21.5	0
5	64QAM	1	12	19.55	19.80	19.69		
5	64QAM	1	24	19.76	19.68	19.57		
5	64QAM	12	0	19.88	19.91	19.80	21.5	0
5	64QAM	12	7	19.78	20.11	20.01		
5	64QAM	12	13	19.59	20.11	19.91		
5	64QAM	25	0	19.86	20.01	19.81		
5	256QAM	1	0	18.04	18.19	18.29	19.5	2
5	256QAM	1	12	18.34	18.23	18.42		
5	256QAM	1	24	18.05	18.30	18.06		
5	256QAM	12	0	17.94	18.05	17.65	19.5	2
5	256QAM	12	7	18.06	17.90	18.07		
5	256QAM	12	13	17.98	18.23	17.96		
5	256QAM	25	0	17.76	18.15	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.34	20.05	20.10	21.5	0
3	QPSK	1	8	20.18	20.11	20.23		
3	QPSK	1	14	20.30	20.09	20.03		
3	QPSK	8	0	20.00	19.75	20.11	21.5	0
3	QPSK	8	4	20.28	20.09	20.12		
3	QPSK	8	7	20.03	20.08	19.87		
3	QPSK	15	0	19.89	20.27	19.93		
3	16QAM	1	0	19.77	19.91	19.62	21.5	0
3	16QAM	1	8	19.74	19.83	19.70		
3	16QAM	1	14	19.54	19.58	19.71		
3	16QAM	8	0	20.06	19.92	20.19	21.5	0
3	16QAM	8	4	19.78	19.94	19.96		
3	16QAM	8	7	19.80	20.13	20.04		
3	16QAM	15	0	19.88	20.07	19.69		
3	64QAM	1	0	19.64	19.66	19.58	21.5	0
3	64QAM	1	8	19.54	19.54	19.55		
3	64QAM	1	14	19.71	19.77	19.54		
3	64QAM	8	0	19.75	19.86	19.75	21.5	0
3	64QAM	8	4	19.56	19.96	19.95		
3	64QAM	8	7	19.76	20.11	19.88		
3	64QAM	15	0	19.74	19.87	19.88		
3	256QAM	1	0	18.03	18.29	18.15	19.5	2
3	256QAM	1	8	18.31	18.24	18.26		
3	256QAM	1	14	18.17	18.32	17.93		
3	256QAM	8	0	17.73	17.98	17.65	19.5	2
3	256QAM	8	4	18.01	18.05	17.96		
3	256QAM	8	7	17.86	18.06	18.18		
3	256QAM	15	0	17.82	17.94	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.35	20.17	20.24	21.5	0
1.4	QPSK	1	3	20.13	20.21	20.31		
1.4	QPSK	1	5	20.03	20.05	20.30		
1.4	QPSK	3	0	20.20	20.02	20.10		
1.4	QPSK	3	1	20.14	20.29	19.99		
1.4	QPSK	3	3	19.86	20.13	19.76		
1.4	QPSK	6	0	20.02	20.17	20.03	21.5	0
1.4	16QAM	1	0	19.66	19.77	19.63	21.5	0
1.4	16QAM	1	3	19.61	19.62	19.73		
1.4	16QAM	1	5	19.54	19.66	19.75		
1.4	16QAM	3	0	20.03	19.89	20.10		
1.4	16QAM	3	1	19.88	20.07	19.85		
1.4	16QAM	3	3	19.94	20.13	20.01		
1.4	16QAM	6	0	19.94	19.98	19.75	21.5	0
1.4	64QAM	1	0	19.68	19.81	19.59	21.5	0
1.4	64QAM	1	3	19.58	19.75	19.57		
1.4	64QAM	1	5	19.55	19.71	19.85		
1.4	64QAM	3	0	19.59	19.80	19.85		
1.4	64QAM	3	1	19.63	19.84	19.77		
1.4	64QAM	3	3	19.67	19.93	19.86		
1.4	64QAM	6	0	20.02	19.82	19.79	21.5	0
1.4	256QAM	1	0	17.84	17.99	18.10	19.5	2
1.4	256QAM	1	3	18.16	18.11	18.19		
1.4	256QAM	1	5	18.15	18.26	17.79		
1.4	256QAM	3	0	17.88	17.90	17.85		
1.4	256QAM	3	1	18.04	17.87	18.05		
1.4	256QAM	3	3	17.83	17.88	17.95		
1.4	256QAM	6	0	17.97	17.88	18.23	19.5	2

Band 4_Ant 1

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 11

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.27	20.32	20.42	21.5	0
20	QPSK	1	49	20.21	20.19	20.31		
20	QPSK	1	99	20.19	20.21	20.28		
20	QPSK	50	0	20.18	20.26	20.30	21.5	0
20	QPSK	50	24	20.25	20.31	20.41		
20	QPSK	50	50	20.14	20.23	20.34		
20	QPSK	100	0	20.28	20.26	20.41		
20	16QAM	1	0	20.36	20.37	20.41	21.5	0
20	16QAM	1	49	20.20	20.33	20.27		
20	16QAM	1	99	20.34	20.36	20.35		
20	16QAM	50	0	20.29	20.26	20.08	21.5	0
20	16QAM	50	24	20.05	20.33	20.19		
20	16QAM	50	50	20.02	20.23	20.08		
20	16QAM	100	0	20.05	20.27	20.29		
20	64QAM	1	0	20.19	20.40	20.40	21.5	0
20	64QAM	1	49	20.34	20.38	20.38		
20	64QAM	1	99	20.32	20.41	20.26		
20	64QAM	50	0	19.93	19.89	19.93	21.5	0
20	64QAM	50	24	19.67	19.81	19.80		
20	64QAM	50	50	19.63	19.82	19.74		
20	64QAM	100	0	19.53	19.78	19.65		
20	256QAM	1	0	17.78	17.78	17.79	19.5	2
20	256QAM	1	49	17.53	17.81	17.58		
20	256QAM	1	99	17.57	17.73	17.77		
20	256QAM	50	0	17.68	17.76	17.74	19.5	2
20	256QAM	50	24	17.78	17.81	17.54		
20	256QAM	50	50	17.80	17.73	17.68		
20	256QAM	100	0	17.66	17.82	17.87		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.06	20.07	20.41	21.5	0
15	QPSK	1	37	20.15	20.04	20.16		
15	QPSK	1	74	20.23	19.97	20.36		
15	QPSK	36	0	20.12	20.00	20.17	21.5	0
15	QPSK	36	20	20.15	20.22	20.28		
15	QPSK	36	39	19.96	19.95	20.42		
15	QPSK	75	0	20.07	20.16	20.30		
15	16QAM	1	0	20.19	20.33	20.34	21.5	0
15	16QAM	1	37	20.22	20.26	20.18		
15	16QAM	1	74	20.11	20.10	20.26		
15	16QAM	36	0	20.20	20.30	20.08	21.5	0
15	16QAM	36	20	20.01	20.29	19.98		
15	16QAM	36	39	20.03	19.97	19.83		
15	16QAM	75	0	20.01	20.31	20.01		
15	64QAM	1	0	20.26	20.16	20.12	21.5	0
15	64QAM	1	37	20.42	20.32	20.34		
15	64QAM	1	74	20.04	20.31	20.00		
15	64QAM	36	0	19.81	19.89	19.87	21.5	0
15	64QAM	36	20	19.53	19.63	19.68		
15	64QAM	36	39	19.64	19.73	19.64		
15	64QAM	75	0	19.55	19.55	19.59		
15	256QAM	1	0	17.80	17.62	17.62	19.5	2
15	256QAM	1	37	17.60	17.89	17.59		
15	256QAM	1	74	17.50	17.50	17.59		
15	256QAM	36	0	17.67	17.83	17.60	19.5	2
15	256QAM	36	20	17.64	17.83	17.50		
15	256QAM	36	39	17.62	17.74	17.59		
15	256QAM	75	0	17.67	17.65	17.76		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.09	20.15	20.38	21.5	0
10	QPSK	1	25	20.29	20.08	20.26		
10	QPSK	1	49	19.98	19.98	20.07		
10	QPSK	25	0	19.98	20.34	20.03	21.5	0
10	QPSK	25	12	20.24	20.16	20.16		
10	QPSK	25	25	20.03	20.22	20.09		
10	QPSK	50	0	20.17	20.09	20.34		
10	16QAM	1	0	20.36	20.32	20.38	21.5	0
10	16QAM	1	25	20.23	20.09	20.11		
10	16QAM	1	49	20.34	20.37	20.24		
10	16QAM	25	0	20.14	20.03	20.12	21.5	0
10	16QAM	25	12	19.89	20.30	20.20		
10	16QAM	25	25	19.77	20.30	20.03		
10	16QAM	50	0	19.96	20.09	20.21		
10	64QAM	1	0	20.21	20.36	20.22	21.5	0
10	64QAM	1	25	20.14	20.26	20.14		
10	64QAM	1	49	20.06	20.41	20.06		
10	64QAM	25	0	19.69	19.81	19.86	21.5	0
10	64QAM	25	12	19.74	19.81	19.77		
10	64QAM	25	25	19.55	19.58	19.66		
10	64QAM	50	0	19.59	19.64	19.67		
10	256QAM	1	0	17.54	17.72	17.71	19.5	2
10	256QAM	1	25	17.59	17.88	17.54		
10	256QAM	1	49	17.63	17.64	17.71		
10	256QAM	25	0	17.59	17.58	17.61	19.5	2
10	256QAM	25	12	17.50	17.79	17.59		
10	256QAM	25	25	17.57	17.55	17.70		
10	256QAM	50	0	17.66	17.87	17.69		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.26	20.23	20.41	21.5	0
5	QPSK	1	12	20.21	20.12	20.33		
5	QPSK	1	24	20.26	20.24	20.24		
5	QPSK	12	0	20.00	20.07	20.04	21.5	0
5	QPSK	12	7	20.21	20.04	20.34		
5	QPSK	12	13	20.20	20.05	20.24		
5	QPSK	25	0	20.32	20.19	20.18		
5	16QAM	1	0	20.41	20.34	20.14	21.5	0
5	16QAM	1	12	20.26	20.32	20.19		
5	16QAM	1	24	20.15	20.09	20.22		
5	16QAM	12	0	20.15	20.26	20.03	21.5	0
5	16QAM	12	7	19.83	20.07	19.96		
5	16QAM	12	13	19.76	20.08	20.08		
5	16QAM	25	0	19.78	20.06	20.23		
5	64QAM	1	0	20.18	20.20	20.29	21.5	0
5	64QAM	1	12	20.27	20.41	20.20		
5	64QAM	1	24	20.06	20.27	20.13		
5	64QAM	12	0	19.88	19.76	19.71	21.5	0
5	64QAM	12	7	19.70	19.71	19.60		
5	64QAM	12	13	19.64	19.78	19.65		
5	64QAM	25	0	19.52	19.59	19.66		
5	256QAM	1	0	17.80	17.67	17.81	19.5	2
5	256QAM	1	12	17.57	17.54	17.56		
5	256QAM	1	24	17.62	17.59	17.63		
5	256QAM	12	0	17.55	17.69	17.59	19.5	2
5	256QAM	12	7	17.67	17.67	17.52		
5	256QAM	12	13	17.74	17.50	17.67		
5	256QAM	25	0	17.54	17.58	17.88		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.01	20.17	20.21	21.5	0
3	QPSK	1	8	19.93	20.22	20.16		
3	QPSK	1	14	20.03	20.20	20.01		
3	QPSK	8	0	20.21	20.09	20.16	21.5	0
3	QPSK	8	4	20.26	20.23	20.40		
3	QPSK	8	7	19.88	20.01	20.35		
3	QPSK	15	0	20.21	19.98	20.39		
3	16QAM	1	0	20.13	20.13	20.34	21.5	0
3	16QAM	1	8	19.95	20.08	20.09		
3	16QAM	1	14	20.27	20.42	20.40		
3	16QAM	8	0	20.15	20.13	20.07	21.5	0
3	16QAM	8	4	20.07	20.17	20.11		
3	16QAM	8	7	20.03	20.09	20.14		
3	16QAM	15	0	19.83	20.10	20.08		
3	64QAM	1	0	19.91	20.31	20.38	21.5	0
3	64QAM	1	8	20.17	20.23	20.27		
3	64QAM	1	14	20.34	20.40	20.17		
3	64QAM	8	0	19.69	19.84	19.79	21.5	0
3	64QAM	8	4	19.68	19.71	19.70		
3	64QAM	8	7	19.64	19.56	19.71		
3	64QAM	15	0	19.51	19.54	19.66		
3	256QAM	1	0	17.75	17.64	17.64	19.5	2
3	256QAM	1	8	17.50	17.78	17.55		
3	256QAM	1	14	17.53	17.52	17.71		
3	256QAM	8	0	17.74	17.83	17.57	19.5	2
3	256QAM	8	4	17.81	17.77	17.59		
3	256QAM	8	7	17.54	17.70	17.58		
3	256QAM	15	0	17.66	17.82	17.72		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.14	20.28	20.30	21.5	0
1.4	QPSK	1	3	20.29	20.10	20.16		
1.4	QPSK	1	5	20.12	20.20	20.18		
1.4	QPSK	3	0	19.95	20.18	20.11		
1.4	QPSK	3	1	20.29	20.37	20.17		
1.4	QPSK	3	3	20.13	20.26	20.31		
1.4	QPSK	6	0	20.30	20.06	20.40	21.5	0
1.4	16QAM	1	0	20.42	20.21	20.29	21.5	0
1.4	16QAM	1	3	19.97	20.17	20.04		
1.4	16QAM	1	5	20.24	20.24	20.14		
1.4	16QAM	3	0	20.31	20.33	19.84		
1.4	16QAM	3	1	19.84	20.24	20.26		
1.4	16QAM	3	3	19.87	20.18	19.94		
1.4	16QAM	6	0	19.81	20.05	20.30	21.5	0
1.4	64QAM	1	0	20.13	20.29	20.37	21.5	0
1.4	64QAM	1	3	20.07	20.38	20.34		
1.4	64QAM	1	5	20.15	20.34	20.20		
1.4	64QAM	3	0	19.73	19.71	19.76		
1.4	64QAM	3	1	19.56	19.67	19.65		
1.4	64QAM	3	3	19.71	19.57	19.67		
1.4	64QAM	6	0	19.50	19.58	19.51	21.5	0
1.4	256QAM	1	0	17.72	17.54	17.52	19.5	2
1.4	256QAM	1	3	17.51	17.76	17.66		
1.4	256QAM	1	5	17.53	17.51	17.84		
1.4	256QAM	3	0	17.63	17.78	17.76		
1.4	256QAM	3	1	17.53	17.89	17.52		
1.4	256QAM	3	3	17.73	17.54	17.56		
1.4	256QAM	6	0	17.72	17.88	17.62	19.5	2

Band 5_Ant 0

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	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	19.66	19.75	19.42	21	2
1.4	256QAM	1	3	20.03	20.10	19.82		
1.4	256QAM	1	5	20.05	19.89	20.00		
1.4	256QAM	3	0	19.77	19.91	19.96		
1.4	256QAM	3	1	19.85	19.84	19.93		
1.4	256QAM	3	3	19.71	20.07	19.93		
1.4	256QAM	6	0	19.80	19.86	19.88	21	2

Band 5_Ant 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	19.66	19.75	19.42	21	2
1.4	256QAM	1	3	20.03	20.10	19.82		
1.4	256QAM	1	5	20.05	19.89	20.00		
1.4	256QAM	3	0	19.77	19.91	19.96		
1.4	256QAM	3	1	19.85	19.84	19.93		
1.4	256QAM	3	3	19.71	20.07	19.93		
1.4	256QAM	6	0	19.80	19.86	19.88	21	2

Band 7_Ant 1

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	21.28	21.10	21.14	23	0
20	QPSK	1	49	21.27	21.07	21.13		
20	QPSK	1	99	21.31	21.12	21.15		
20	QPSK	50	0	21.25	21.05	21.06	23	0
20	QPSK	50	24	21.28	21.10	21.13		
20	QPSK	50	50	21.24	21.09	21.12		
20	QPSK	100	0	21.25	21.16	21.14		
20	16QAM	1	0	21.19	21.11	21.11	23	0
20	16QAM	1	49	21.08	21.12	21.10		
20	16QAM	1	99	21.10	21.15	21.05		
20	16QAM	50	0	21.05	21.11	21.12	23	0
20	16QAM	50	24	21.14	21.14	21.09		
20	16QAM	50	50	21.18	21.13	21.04		
20	16QAM	100	0	21.15	21.13	21.21		
20	64QAM	1	0	21.30	21.21	21.09	23	0
20	64QAM	1	49	21.21	21.25	21.22		
20	64QAM	1	99	21.27	21.24	21.21		
20	64QAM	50	0	21.08	21.09	21.15	23	0
20	64QAM	50	24	21.11	21.14	21.18		
20	64QAM	50	50	21.02	21.13	21.15		
20	64QAM	100	0	21.05	21.11	21.05		
20	256QAM	1	0	19.67	19.71	19.74	21	2
20	256QAM	1	49	19.89	19.66	19.51		
20	256QAM	1	99	19.79	19.72	19.45		
20	256QAM	50	0	19.69	19.59	19.49	21	2
20	256QAM	50	24	19.79	19.63	19.62		
20	256QAM	50	50	19.84	19.61	19.58		
20	256QAM	100	0	19.50	19.62	19.41		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.07	21.10	23	0
15	QPSK	1	37	21.16	21.02	21.17		
15	QPSK	1	74	21.30	21.04	21.07		
15	QPSK	36	0	21.30	21.09	21.07	23	0
15	QPSK	36	20	21.30	21.13	21.02		
15	QPSK	36	39	21.15	21.00	21.03		
15	QPSK	75	0	21.25	21.27	21.05		
15	16QAM	1	0	21.27	21.12	21.01	23	0
15	16QAM	1	37	21.01	21.22	21.08		
15	16QAM	1	74	21.07	21.11	21.16		
15	16QAM	36	0	21.09	21.05	21.07	23	0
15	16QAM	36	20	21.05	21.16	21.10		
15	16QAM	36	39	21.19	21.17	21.11		
15	16QAM	75	0	21.05	21.17	21.18		
15	64QAM	1	0	21.28	21.06	21.03	23	0
15	64QAM	1	37	21.23	21.26	21.30		
15	64QAM	1	74	21.22	21.16	21.05		
15	64QAM	36	0	21.26	21.00	21.27	23	0
15	64QAM	36	20	21.10	21.12	21.26		
15	64QAM	36	39	21.07	21.16	21.24		
15	64QAM	75	0	21.06	21.11	21.13		
15	256QAM	1	0	19.53	19.81	19.77	21	2
15	256QAM	1	37	19.95	19.57	19.50		
15	256QAM	1	74	19.74	19.77	19.49		
15	256QAM	36	0	19.64	19.76	19.58	21	2
15	256QAM	36	20	19.93	19.48	19.77		
15	256QAM	36	39	19.92	19.48	19.70		
15	256QAM	75	0	19.32	19.53	19.37		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.26	21.06	21.21	23	0
10	QPSK	1	25	21.25	21.03	21.07		
10	QPSK	1	49	21.22	21.21	21.06		
10	QPSK	25	0	21.09	21.00	21.03	23	0
10	QPSK	25	12	21.14	21.18	21.24		
10	QPSK	25	25	21.12	21.06	21.08		
10	QPSK	50	0	21.30	21.03	21.15		
10	16QAM	1	0	21.25	21.08	21.14	23	0
10	16QAM	1	25	21.10	21.05	21.05		
10	16QAM	1	49	21.21	21.11	21.12		
10	16QAM	25	0	21.17	21.11	21.00	23	0
10	16QAM	25	12	21.22	21.25	21.22		
10	16QAM	25	25	21.20	21.13	21.07		
10	16QAM	50	0	21.19	21.11	21.03		
10	64QAM	1	0	21.26	21.29	21.26	23	0
10	64QAM	1	25	21.22	21.30	21.26		
10	64QAM	1	49	21.14	21.25	21.23		
10	64QAM	25	0	21.09	21.05	21.07	23	0
10	64QAM	25	12	21.14	21.24	21.27		
10	64QAM	25	25	21.13	21.03	21.08		
10	64QAM	50	0	21.16	21.27	21.05		
10	256QAM	1	0	19.79	19.71	19.63	21	2
10	256QAM	1	25	19.96	19.80	19.38		
10	256QAM	1	49	19.84	19.69	19.41		
10	256QAM	25	0	19.64	19.49	19.49	21	2
10	256QAM	25	12	19.69	19.54	19.76		
10	256QAM	25	25	19.93	19.55	19.65		
10	256QAM	50	0	19.62	19.47	19.26		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.30	21.18	21.09	23	0
5	QPSK	1	12	21.24	21.08	21.09		
5	QPSK	1	24	21.21	21.09	21.05		
5	QPSK	12	0	21.29	21.03	21.13	23	0
5	QPSK	12	7	21.24	21.27	21.07		
5	QPSK	12	13	21.20	21.08	21.08		
5	QPSK	25	0	21.30	21.11	21.16		
5	16QAM	1	0	21.14	21.05	21.10	23	0
5	16QAM	1	12	21.00	21.16	21.18		
5	16QAM	1	24	21.10	21.11	21.00		
5	16QAM	12	0	21.15	21.04	21.00	23	0
5	16QAM	12	7	21.00	21.30	21.21		
5	16QAM	12	13	21.16	21.22	21.07		
5	16QAM	25	0	21.09	21.11	21.08		
5	64QAM	1	0	21.22	21.20	21.24	23	0
5	64QAM	1	12	21.28	21.20	21.06		
5	64QAM	1	24	21.30	21.25	21.06		
5	64QAM	12	0	21.22	21.12	21.15	23	0
5	64QAM	12	7	21.15	21.23	21.02		
5	64QAM	12	13	21.14	21.02	21.01		
5	64QAM	25	0	21.09	21.22	21.22		
5	256QAM	1	0	19.83	19.73	19.73	21	2
5	256QAM	1	12	19.80	19.82	19.34		
5	256QAM	1	24	19.92	19.54	19.32		
5	256QAM	12	0	19.62	19.71	19.67	21	2
5	256QAM	12	7	19.92	19.73	19.78		
5	256QAM	12	13	19.79	19.67	19.46		
5	256QAM	25	0	19.49	19.46	19.52		

0.1

Band 7_Ant 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.28	21.10	21.14	23	0
20	QPSK	1	49	21.27	21.07	21.13		
20	QPSK	1	99	21.31	21.12	21.15		
20	QPSK	50	0	21.25	21.05	21.06	23	0
20	QPSK	50	24	21.28	21.10	21.13		
20	QPSK	50	50	21.24	21.09	21.12		
20	QPSK	100	0	21.25	21.16	21.14		
20	16QAM	1	0	21.19	21.11	21.11	23	0
20	16QAM	1	49	21.08	21.12	21.10		
20	16QAM	1	99	21.10	21.15	21.05		
20	16QAM	50	0	21.05	21.11	21.12	23	0
20	16QAM	50	24	21.14	21.14	21.09		
20	16QAM	50	50	21.18	21.13	21.04		
20	16QAM	100	0	21.15	21.13	21.21		
20	64QAM	1	0	21.30	21.21	21.09	23	0
20	64QAM	1	49	21.21	21.25	21.22		
20	64QAM	1	99	21.27	21.24	21.21		
20	64QAM	50	0	21.08	21.09	21.15	23	0
20	64QAM	50	24	21.11	21.14	21.18		
20	64QAM	50	50	21.02	21.13	21.15		
20	64QAM	100	0	21.05	21.11	21.05		
20	256QAM	1	0	19.67	19.71	19.74	21	2
20	256QAM	1	49	19.89	19.66	19.51		
20	256QAM	1	99	19.79	19.72	19.45		
20	256QAM	50	0	19.69	19.59	19.49	21	2
20	256QAM	50	24	19.79	19.63	19.62		
20	256QAM	50	50	19.84	19.61	19.58		
20	256QAM	100	0	19.50	19.62	19.41		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.07	21.10	23	0
15	QPSK	1	37	21.16	21.02	21.17		
15	QPSK	1	74	21.30	21.04	21.07		
15	QPSK	36	0	21.30	21.09	21.07	23	0
15	QPSK	36	20	21.30	21.13	21.02		
15	QPSK	36	39	21.15	21.00	21.03		
15	QPSK	75	0	21.25	21.27	21.05		
15	16QAM	1	0	21.27	21.12	21.01	23	0
15	16QAM	1	37	21.01	21.22	21.08		
15	16QAM	1	74	21.07	21.11	21.16		
15	16QAM	36	0	21.09	21.05	21.07	23	0
15	16QAM	36	20	21.05	21.16	21.10		
15	16QAM	36	39	21.19	21.17	21.11		
15	16QAM	75	0	21.05	21.17	21.18		
15	64QAM	1	0	21.28	21.06	21.03	23	0
15	64QAM	1	37	21.23	21.26	21.30		
15	64QAM	1	74	21.22	21.16	21.05		
15	64QAM	36	0	21.26	21.00	21.27	23	0
15	64QAM	36	20	21.10	21.12	21.26		
15	64QAM	36	39	21.07	21.16	21.24		
15	64QAM	75	0	21.06	21.11	21.13		
15	256QAM	1	0	19.53	19.81	19.77	21	2
15	256QAM	1	37	19.95	19.57	19.50		
15	256QAM	1	74	19.74	19.77	19.49		
15	256QAM	36	0	19.64	19.76	19.58	21	2
15	256QAM	36	20	19.93	19.48	19.77		
15	256QAM	36	39	19.92	19.48	19.70		
15	256QAM	75	0	19.32	19.53	19.37		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.26	21.06	21.21	23	0
10	QPSK	1	25	21.25	21.03	21.07		
10	QPSK	1	49	21.22	21.21	21.06		
10	QPSK	25	0	21.09	21.00	21.03	23	0
10	QPSK	25	12	21.14	21.18	21.24		
10	QPSK	25	25	21.12	21.06	21.08		
10	QPSK	50	0	21.30	21.03	21.15		
10	16QAM	1	0	21.25	21.08	21.14	23	0
10	16QAM	1	25	21.10	21.05	21.05		
10	16QAM	1	49	21.21	21.11	21.12		
10	16QAM	25	0	21.17	21.11	21.00	23	0
10	16QAM	25	12	21.22	21.25	21.22		
10	16QAM	25	25	21.20	21.13	21.07		
10	16QAM	50	0	21.19	21.11	21.03		
10	64QAM	1	0	21.26	21.29	21.26	23	0
10	64QAM	1	25	21.22	21.30	21.26		
10	64QAM	1	49	21.14	21.25	21.23		
10	64QAM	25	0	21.09	21.05	21.07	23	0
10	64QAM	25	12	21.14	21.24	21.27		
10	64QAM	25	25	21.13	21.03	21.08		
10	64QAM	50	0	21.16	21.27	21.05		
10	256QAM	1	0	19.79	19.71	19.63	21	2
10	256QAM	1	25	19.96	19.80	19.38		
10	256QAM	1	49	19.84	19.69	19.41		
10	256QAM	25	0	19.64	19.49	19.49	21	2
10	256QAM	25	12	19.69	19.54	19.76		
10	256QAM	25	25	19.93	19.55	19.65		
10	256QAM	50	0	19.62	19.47	19.26		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.30	21.18	21.09	23	0
5	QPSK	1	12	21.24	21.08	21.09		
5	QPSK	1	24	21.21	21.09	21.05		
5	QPSK	12	0	21.29	21.03	21.13	23	0
5	QPSK	12	7	21.24	21.27	21.07		
5	QPSK	12	13	21.20	21.08	21.08		
5	QPSK	25	0	21.30	21.11	21.16		
5	16QAM	1	0	21.14	21.05	21.10	23	0
5	16QAM	1	12	21.00	21.16	21.18		
5	16QAM	1	24	21.10	21.11	21.00		
5	16QAM	12	0	21.15	21.04	21.00	23	0
5	16QAM	12	7	21.00	21.30	21.21		
5	16QAM	12	13	21.16	21.22	21.07		
5	16QAM	25	0	21.09	21.11	21.08		
5	64QAM	1	0	21.22	21.20	21.24	23	0
5	64QAM	1	12	21.28	21.20	21.06		
5	64QAM	1	24	21.30	21.25	21.06		
5	64QAM	12	0	21.22	21.12	21.15	23	0
5	64QAM	12	7	21.15	21.23	21.02		
5	64QAM	12	13	21.14	21.02	21.01		
5	64QAM	25	0	21.09	21.22	21.22		
5	256QAM	1	0	19.83	19.73	19.73	21	2
5	256QAM	1	12	19.80	19.82	19.34		
5	256QAM	1	24	19.92	19.54	19.32		
5	256QAM	12	0	19.62	19.71	19.67	21	2
5	256QAM	12	7	19.92	19.73	19.78		
5	256QAM	12	13	19.79	19.67	19.46		
5	256QAM	25	0	19.49	19.46	19.52		

Band 12_Ant 0

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.24	19.38	19.17	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 12_Ant 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.44	19.38	19.37	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 13_Ant 0

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)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 13_Ant 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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 30_Ant 1

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			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 30_Ant 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					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 66_Ant 1

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	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 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				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 11

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	20.21	20.27	20.45	21.5	0
20	QPSK	1	49	20.12	20.19	20.41		
20	QPSK	1	99	20.16	20.02	20.25		
20	QPSK	50	0	20.15	20.24	20.31	21.5	0
20	QPSK	50	24	20.18	20.25	20.43		
20	QPSK	50	50	20.16	20.21	20.42		
20	QPSK	100	0	20.14	20.26	20.40		
20	16QAM	1	0	20.30	20.38	20.24	21.5	0
20	16QAM	1	49	20.23	20.23	20.38		
20	16QAM	1	99	20.26	20.20	20.24		
20	16QAM	50	0	20.38	20.30	20.35	21.5	0
20	16QAM	50	24	20.37	20.31	20.34		
20	16QAM	50	50	20.23	20.32	20.20		
20	16QAM	100	0	20.13	20.23	20.23		
20	64QAM	1	0	20.34	20.37	20.21	21.5	0
20	64QAM	1	49	20.31	20.38	20.25		
20	64QAM	1	99	20.22	20.33	20.39		
20	64QAM	50	0	20.08	19.94	19.78	21.5	0
20	64QAM	50	24	20.00	19.85	19.95		
20	64QAM	50	50	19.77	19.81	19.73		
20	64QAM	100	0	19.91	19.83	19.91		
20	256QAM	1	0	17.79	17.92	18.03	19.5	2
20	256QAM	1	49	17.94	18.00	17.84		
20	256QAM	1	99	17.75	17.64	17.69		
20	256QAM	50	0	17.80	17.86	17.84	19.5	2
20	256QAM	50	24	18.06	17.92	17.84		
20	256QAM	50	50	18.02	17.85	17.85		
20	256QAM	100	0	17.79	17.82	17.80		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.11	20.35	20.33	21.5	0
15	QPSK	1	37	20.20	20.32	20.25		
15	QPSK	1	74	20.27	19.87	20.28		
15	QPSK	36	0	20.05	20.27	20.24	21.5	0
15	QPSK	36	20	20.02	20.09	20.34		
15	QPSK	36	39	20.15	20.08	20.36		
15	QPSK	75	0	20.21	20.21	20.25		
15	16QAM	1	0	20.39	20.23	20.34	21.5	0
15	16QAM	1	37	20.37	20.29	20.33		
15	16QAM	1	74	20.21	20.23	20.23		
15	16QAM	36	0	20.33	20.26	20.22	21.5	0
15	16QAM	36	20	20.20	20.13	20.27		
15	16QAM	36	39	20.18	20.23	20.29		
15	16QAM	75	0	20.00	20.28	20.23		
15	64QAM	1	0	20.24	20.24	20.34	21.5	0
15	64QAM	1	37	20.14	20.20	20.23		
15	64QAM	1	74	20.34	20.28	20.22		
15	64QAM	36	0	19.97	19.90	19.89	21.5	0
15	64QAM	36	20	19.98	19.91	19.99		
15	64QAM	36	39	19.88	19.68	19.76		
15	64QAM	75	0	20.02	19.87	20.07		
15	256QAM	1	0	17.79	17.85	18.10	19.5	2
15	256QAM	1	37	17.78	17.84	17.79		
15	256QAM	1	74	17.66	17.66	17.74		
15	256QAM	36	0	17.81	17.77	17.84	19.5	2
15	256QAM	36	20	17.99	18.08	17.82		
15	256QAM	36	39	18.10	17.86	17.77		
15	256QAM	75	0	17.95	17.68	17.86		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.23	20.21	20.29	21.5	0
10	QPSK	1	25	20.17	20.05	20.32		
10	QPSK	1	49	20.00	20.17	20.35		
10	QPSK	25	0	20.16	20.35	20.18	21.5	0
10	QPSK	25	12	20.22	20.16	20.33		
10	QPSK	25	25	20.27	20.39	20.32		
10	QPSK	50	0	20.03	20.35	20.36		
10	16QAM	1	0	20.38	20.34	20.33	21.5	0
10	16QAM	1	25	20.34	20.25	20.35		
10	16QAM	1	49	20.32	20.33	20.20		
10	16QAM	25	0	20.24	20.25	20.20	21.5	0
10	16QAM	25	12	20.28	20.22	20.32		
10	16QAM	25	25	20.15	20.16	20.28		
10	16QAM	50	0	20.13	20.17	20.28		
10	64QAM	1	0	20.33	20.28	20.24	21.5	0
10	64QAM	1	25	20.23	20.32	20.30		
10	64QAM	1	49	20.30	20.23	20.26		
10	64QAM	25	0	20.05	19.80	19.96	21.5	0
10	64QAM	25	12	19.86	19.76	19.94		
10	64QAM	25	25	19.74	19.88	19.78		
10	64QAM	50	0	19.90	19.84	19.75		
10	256QAM	1	0	17.89	17.82	18.16	19.5	2
10	256QAM	1	25	18.01	17.96	18.00		
10	256QAM	1	49	17.81	17.73	17.81		
10	256QAM	25	0	17.66	17.88	17.74	19.5	2
10	256QAM	25	12	17.93	17.92	17.92		
10	256QAM	25	25	17.93	17.90	17.76		
10	256QAM	50	0	17.63	17.79	17.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.37	20.15	20.39	21.5	0
5	QPSK	1	12	20.21	20.23	20.25		
5	QPSK	1	24	20.26	20.20	20.34		
5	QPSK	12	0	20.31	20.24	20.27	21.5	0
5	QPSK	12	7	20.13	20.16	20.33		
5	QPSK	12	13	20.19	20.06	20.34		
5	QPSK	25	0	20.17	20.33	20.25		
5	16QAM	1	0	20.21	20.21	20.32	21.5	0
5	16QAM	1	12	20.36	20.33	20.24		
5	16QAM	1	24	20.09	20.30	20.32		
5	16QAM	12	0	20.25	20.15	20.28	21.5	0
5	16QAM	12	7	20.24	20.28	20.23		
5	16QAM	12	13	20.26	20.24	20.20		
5	16QAM	25	0	19.95	20.09	20.32		
5	64QAM	1	0	20.20	20.24	20.33	21.5	0
5	64QAM	1	12	20.17	20.31	20.22		
5	64QAM	1	24	20.27	20.29	20.27		
5	64QAM	12	0	20.09	19.83	19.61	21.5	0
5	64QAM	12	7	20.11	19.83	19.97		
5	64QAM	12	13	19.62	19.72	19.90		
5	64QAM	25	0	19.79	19.87	19.79		
5	256QAM	1	0	17.93	18.00	17.96	19.5	2
5	256QAM	1	12	18.06	18.08	18.02		
5	256QAM	1	24	17.77	17.70	17.62		
5	256QAM	12	0	17.98	17.86	17.74	19.5	2
5	256QAM	12	7	18.00	17.91	17.82		
5	256QAM	12	13	17.90	17.78	17.71		
5	256QAM	25	0	17.65	17.67	17.72		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.10	20.20	20.37	21.5	0
3	QPSK	1	8	20.05	20.26	20.29		
3	QPSK	1	14	20.32	19.91	20.30		
3	QPSK	8	0	20.16	20.07	20.20	21.5	0
3	QPSK	8	4	20.04	20.23	20.33		
3	QPSK	8	7	20.10	20.08	20.34		
3	QPSK	15	0	20.23	20.20	20.31		
3	16QAM	1	0	20.30	20.28	20.27	21.5	0
3	16QAM	1	8	20.28	20.34	20.31		
3	16QAM	1	14	20.27	20.21	20.26		
3	16QAM	8	0	20.36	20.30	20.22	21.5	0
3	16QAM	8	4	20.24	20.38	20.26		
3	16QAM	8	7	20.21	20.15	20.22		
3	16QAM	15	0	20.10	20.35	20.22		
3	64QAM	1	0	20.20	20.35	20.34	21.5	0
3	64QAM	1	8	20.28	20.32	20.27		
3	64QAM	1	14	20.23	20.24	20.33		
3	64QAM	8	0	19.92	19.89	19.83	21.5	0
3	64QAM	8	4	19.87	19.78	19.95		
3	64QAM	8	7	19.74	19.95	19.86		
3	64QAM	15	0	19.97	19.67	20.02		
3	256QAM	1	0	17.84	17.84	18.19	19.5	2
3	256QAM	1	8	18.04	17.88	17.87		
3	256QAM	1	14	17.73	17.75	17.74		
3	256QAM	8	0	17.77	18.02	17.87	19.5	2
3	256QAM	8	4	17.95	18.00	17.68		
3	256QAM	8	7	18.01	17.95	17.88		
3	256QAM	15	0	17.79	17.78	17.90		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.34	20.31	20.34	21.5	0
1.4	QPSK	1	3	20.20	20.20	20.33		
1.4	QPSK	1	5	20.02	20.20	20.07		
1.4	QPSK	3	0	20.17	20.20	20.29		
1.4	QPSK	3	1	20.36	20.25	20.39		
1.4	QPSK	3	3	20.25	20.39	20.26		
1.4	QPSK	6	0	20.30	20.18	20.25	21.5	0
1.4	16QAM	1	0	20.28	20.23	20.31	21.5	0
1.4	16QAM	1	3	20.29	20.34	20.30		
1.4	16QAM	1	5	20.14	20.28	20.39		
1.4	16QAM	3	0	20.33	20.25	20.33		
1.4	16QAM	3	1	20.24	20.27	20.36		
1.4	16QAM	3	3	20.20	20.14	20.36		
1.4	16QAM	6	0	20.31	20.16	20.26	21.5	0
1.4	64QAM	1	0	20.24	20.29	20.33	21.5	0
1.4	64QAM	1	3	20.27	20.33	20.20		
1.4	64QAM	1	5	20.24	20.33	20.24		
1.4	64QAM	3	0	19.96	19.89	19.81		
1.4	64QAM	3	1	19.83	19.84	20.00		
1.4	64QAM	3	3	19.88	19.93	19.62		
1.4	64QAM	6	0	19.81	19.96	20.03	21.5	0
1.4	256QAM	1	0	17.95	17.88	18.11	19.5	2
1.4	256QAM	1	3	18.06	18.10	17.86		
1.4	256QAM	1	5	17.69	17.80	17.87		
1.4	256QAM	3	0	17.90	17.82	18.00		
1.4	256QAM	3	1	18.15	17.83	17.89		
1.4	256QAM	3	3	17.87	17.68	17.68		
1.4	256QAM	6	0	17.95	17.93	17.87	19.5	2

Inter-Band CA for State 10

Band 2_Ant 1

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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
	Channel			18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
	Channel			18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
	Channel			18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
	Channel			18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
	Channel			18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

Band 2_Ant 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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
	Channel			18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
	Channel			18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
	Channel			18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
	Channel			18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
	Channel			18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

Band 2_Ant 11

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	20.27	20.25	20.21	21.5	0
20	QPSK	1	49	20.33	20.35	20.23		
20	QPSK	1	99	20.31	20.25	20.22		
20	QPSK	50	0	20.15	19.98	20.08	21.5	0
20	QPSK	50	24	20.30	20.33	20.20		
20	QPSK	50	50	19.97	20.13	20.01		
20	QPSK	100	0	20.01	20.28	20.16		
20	16QAM	1	0	19.90	19.85	19.62	21.5	0
20	16QAM	1	49	19.81	19.85	19.78		
20	16QAM	1	99	19.62	19.86	19.85		
20	16QAM	50	0	20.04	20.16	20.22	21.5	0
20	16QAM	50	24	20.01	20.15	20.01		
20	16QAM	50	50	20.06	20.18	20.09		
20	16QAM	100	0	19.94	20.09	19.81		
20	64QAM	1	0	19.71	19.87	19.73	21.5	0
20	64QAM	1	49	19.52	19.75	19.67		
20	64QAM	1	99	19.79	19.88	19.82		
20	64QAM	50	0	19.81	20.02	19.85	21.5	0
20	64QAM	50	24	19.82	20.03	19.97		
20	64QAM	50	50	19.78	20.03	20.02		
20	64QAM	100	0	19.99	20.02	19.86		
20	256QAM	1	0	18.11	18.27	18.29	19.5	2
20	256QAM	1	49	18.41	18.37	18.45		
20	256QAM	1	99	18.20	18.31	18.06		
20	256QAM	50	0	17.91	18.13	17.91	19.5	2
20	256QAM	50	24	18.13	18.12	18.16		
20	256QAM	50	50	18.01	18.15	18.11		
20	256QAM	100	0	17.89	18.11	18.17		
	Channel			18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1857.5	1880	1902.5		
15	QPSK	1	0	20.23	20.03	20.27	21.5	0
15	QPSK	1	37	20.07	20.23	20.04		
15	QPSK	1	74	20.03	20.10	20.02		
15	QPSK	36	0	20.15	19.78	20.14	21.5	0
15	QPSK	36	20	20.08	20.29	20.17		
15	QPSK	36	39	20.04	20.09	19.86		
15	QPSK	75	0	19.82	20.11	19.96		
15	16QAM	1	0	19.88	19.81	19.62	21.5	0
15	16QAM	1	37	19.63	19.89	19.74		
15	16QAM	1	74	19.59	19.87	19.69		
15	16QAM	36	0	19.96	20.22	20.05	21.5	0
15	16QAM	36	20	20.04	20.22	19.84		
15	16QAM	36	39	20.03	20.16	19.98		
15	16QAM	75	0	19.95	19.88	19.59		
15	64QAM	1	0	19.79	19.67	19.50	21.5	0
15	64QAM	1	37	19.70	19.55	19.54		
15	64QAM	1	74	19.58	19.89	19.68		
15	64QAM	36	0	19.72	20.10	19.66	21.5	0
15	64QAM	36	20	19.56	19.99	19.97		
15	64QAM	36	39	19.82	19.98	19.93		
15	64QAM	75	0	19.83	19.86	19.79		
15	256QAM	1	0	17.89	18.05	18.19	19.5	2
15	256QAM	1	37	18.49	18.35	18.23		
15	256QAM	1	74	17.97	18.18	17.98		
15	256QAM	36	0	17.77	17.87	17.95	19.5	2
15	256QAM	36	20	18.12	17.99	17.90		
15	256QAM	36	39	18.04	17.96	17.84		
15	256QAM	75	0	17.89	18.16	18.06		
	Channel			18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1855	1880	1905		
10	QPSK	1	0	20.04	20.00	20.27	21.5	0
10	QPSK	1	25	20.24	20.17	20.23		
10	QPSK	1	49	20.32	20.22	19.94		
10	QPSK	25	0	19.87	19.88	19.98	21.5	0
10	QPSK	25	12	20.19	20.06	19.96		
10	QPSK	25	25	19.98	20.08	20.00		
10	QPSK	50	0	20.05	20.11	20.09		
10	16QAM	1	0	19.82	19.91	19.53	21.5	0
10	16QAM	1	25	19.61	19.70	19.67		
10	16QAM	1	49	19.60	19.64	19.82		
10	16QAM	25	0	19.86	20.05	20.19	21.5	0
10	16QAM	25	12	19.83	20.02	20.03		
10	16QAM	25	25	19.88	20.02	19.96		
10	16QAM	50	0	19.79	20.13	19.73		
10	64QAM	1	0	19.50	19.89	19.76	21.5	0
10	64QAM	1	25	19.51	19.79	19.65		
10	64QAM	1	49	19.75	19.83	19.59		
10	64QAM	25	0	19.67	20.09	19.70	21.5	0
10	64QAM	25	12	19.65	19.79	19.73		
10	64QAM	25	25	19.73	19.84	19.74		
10	64QAM	50	0	20.05	20.09	19.86		
10	256QAM	1	0	18.01	18.25	18.32	19.5	2
10	256QAM	1	25	18.32	18.25	18.38		
10	256QAM	1	49	17.97	18.32	17.82		
10	256QAM	25	0	17.77	17.92	17.89	19.5	2
10	256QAM	25	12	17.87	17.88	17.93		
10	256QAM	25	25	17.77	18.19	17.88		
10	256QAM	50	0	17.70	17.87	17.94		
	Channel			18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1852.5	1880	1907.5		
5	QPSK	1	0	20.06	20.12	20.12	21.5	0
5	QPSK	1	12	20.32	20.09	20.30		
5	QPSK	1	24	20.32	20.06	20.25		
5	QPSK	12	0	19.87	19.99	20.11	21.5	0
5	QPSK	12	7	20.06	20.23	19.97		
5	QPSK	12	13	19.90	20.05	20.05		
5	QPSK	25	0	19.90	20.08	19.89		
5	16QAM	1	0	19.69	19.78	19.65	21.5	0
5	16QAM	1	12	19.66	19.70	19.52		
5	16QAM	1	24	19.52	19.84	19.76		
5	16QAM	12	0	20.10	20.14	19.99	21.5	0
5	16QAM	12	7	19.86	20.22	19.95		
5	16QAM	12	13	19.97	20.09	19.88		
5	16QAM	25	0	19.97	19.89	19.66		
5	64QAM	1	0	19.57	19.81	19.56	21.5	0
5	64QAM	1	12	19.55	19.80	19.69		
5	64QAM	1	24	19.76	19.68	19.57		
5	64QAM	12	0	19.88	19.91	19.80	21.5	0
5	64QAM	12	7	19.78	20.11	20.01		
5	64QAM	12	13	19.59	20.11	19.91		
5	64QAM	25	0	19.86	20.01	19.81		
5	256QAM	1	0	18.04	18.19	18.29	19.5	2
5	256QAM	1	12	18.34	18.23	18.42		
5	256QAM	1	24	18.05	18.30	18.06		
5	256QAM	12	0	17.94	18.05	17.65	19.5	2
5	256QAM	12	7	18.06	17.90	18.07		
5	256QAM	12	13	17.98	18.23	17.96		
5	256QAM	25	0	17.76	18.15	18.17		
	Channel			18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1851.5	1880	1908.5		
3	QPSK	1	0	20.34	20.05	20.10	21.5	0
3	QPSK	1	8	20.18	20.11	20.23		
3	QPSK	1	14	20.30	20.09	20.03		
3	QPSK	8	0	20.00	19.75	20.11	21.5	0
3	QPSK	8	4	20.28	20.09	20.12		
3	QPSK	8	7	20.03	20.08	19.87		
3	QPSK	15	0	19.89	20.27	19.93		
3	16QAM	1	0	19.77	19.91	19.62	21.5	0
3	16QAM	1	8	19.74	19.83	19.70		
3	16QAM	1	14	19.54	19.58	19.71		
3	16QAM	8	0	20.06	19.92	20.19	21.5	0
3	16QAM	8	4	19.78	19.94	19.96		
3	16QAM	8	7	19.80	20.13	20.04		
3	16QAM	15	0	19.88	20.07	19.69		
3	64QAM	1	0	19.64	19.66	19.58	21.5	0
3	64QAM	1	8	19.54	19.54	19.55		
3	64QAM	1	14	19.71	19.77	19.54		
3	64QAM	8	0	19.75	19.86	19.75	21.5	0
3	64QAM	8	4	19.56	19.96	19.95		
3	64QAM	8	7	19.76	20.11	19.88		
3	64QAM	15	0	19.74	19.87	19.88		
3	256QAM	1	0	18.03	18.29	18.15	19.5	2
3	256QAM	1	8	18.31	18.24	18.26		
3	256QAM	1	14	18.17	18.32	17.93		
3	256QAM	8	0	17.73	17.98	17.65	19.5	2
3	256QAM	8	4	18.01	18.05	17.96		
3	256QAM	8	7	17.86	18.06	18.18		
3	256QAM	15	0	17.82	17.94	18.22		
	Channel			18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1850.7	1880	1909.3		
1.4	QPSK	1	0	20.35	20.17	20.24	21.5	0
1.4	QPSK	1	3	20.13	20.21	20.31		
1.4	QPSK	1	5	20.03	20.05	20.30		
1.4	QPSK	3	0	20.20	20.02	20.10		
1.4	QPSK	3	1	20.14	20.29	19.99		
1.4	QPSK	3	3	19.86	20.13	19.76		
1.4	QPSK	6	0	20.02	20.17	20.03	21.5	0
1.4	16QAM	1	0	19.66	19.77	19.63	21.5	0
1.4	16QAM	1	3	19.61	19.62	19.73		
1.4	16QAM	1	5	19.54	19.66	19.75		
1.4	16QAM	3	0	20.03	19.89	20.10		
1.4	16QAM	3	1	19.88	20.07	19.85		
1.4	16QAM	3	3	19.94	20.13	20.01		
1.4	16QAM	6	0	19.94	19.98	19.75	21.5	0
1.4	64QAM	1	0	19.68	19.81	19.59	21.5	0
1.4	64QAM	1	3	19.58	19.75	19.57		
1.4	64QAM	1	5	19.55	19.71	19.85		
1.4	64QAM	3	0	19.59	19.80	19.85		
1.4	64QAM	3	1	19.63	19.84	19.77		
1.4	64QAM	3	3	19.67	19.93	19.86		
1.4	64QAM	6	0	20.02	19.82	19.79	21.5	0
1.4	256QAM	1	0	17.84	17.99	18.10	19.5	2
1.4	256QAM	1	3	18.16	18.11	18.19		
1.4	256QAM	1	5	18.15	18.26	17.79		
1.4	256QAM	3	0	17.88	17.90	17.85		
1.4	256QAM	3	1	18.04	17.87	18.05		
1.4	256QAM	3	3	17.83	17.88	17.95		
1.4	256QAM	6	0	17.97	17.88	18.23	19.5	2

Band 4_Ant 1

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			20050	20175	20300		
	Frequency (MHz)			1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
	Channel			20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
	Channel			20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
	Channel			19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
	Channel			19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
	Channel			19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
	Frequency (MHz)			1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 11

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.27	20.32	20.42	21.5	0
20	QPSK	1	49	20.21	20.19	20.31		
20	QPSK	1	99	20.19	20.21	20.28		
20	QPSK	50	0	20.18	20.26	20.30	21.5	0
20	QPSK	50	24	20.25	20.31	20.41		
20	QPSK	50	50	20.14	20.23	20.34		
20	QPSK	100	0	20.28	20.26	20.41		
20	16QAM	1	0	20.36	20.37	20.41	21.5	0
20	16QAM	1	49	20.20	20.33	20.27		
20	16QAM	1	99	20.34	20.36	20.35		
20	16QAM	50	0	20.29	20.26	20.08	21.5	0
20	16QAM	50	24	20.05	20.33	20.19		
20	16QAM	50	50	20.02	20.23	20.08		
20	16QAM	100	0	20.05	20.27	20.29		
20	64QAM	1	0	20.19	20.40	20.40	21.5	0
20	64QAM	1	49	20.34	20.38	20.38		
20	64QAM	1	99	20.32	20.41	20.26		
20	64QAM	50	0	19.93	19.89	19.93	21.5	0
20	64QAM	50	24	19.67	19.81	19.80		
20	64QAM	50	50	19.63	19.82	19.74		
20	64QAM	100	0	19.53	19.78	19.65		
20	256QAM	1	0	17.78	17.78	17.79	19.5	2
20	256QAM	1	49	17.53	17.81	17.58		
20	256QAM	1	99	17.57	17.73	17.77		
20	256QAM	50	0	17.68	17.76	17.74	19.5	2
20	256QAM	50	24	17.78	17.81	17.54		
20	256QAM	50	50	17.80	17.73	17.68		
20	256QAM	100	0	17.66	17.82	17.87		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.06	20.07	20.41	21.5	0
15	QPSK	1	37	20.15	20.04	20.16		
15	QPSK	1	74	20.23	19.97	20.36		
15	QPSK	36	0	20.12	20.00	20.17	21.5	0
15	QPSK	36	20	20.15	20.22	20.28		
15	QPSK	36	39	19.96	19.95	20.42		
15	QPSK	75	0	20.07	20.16	20.30		
15	16QAM	1	0	20.19	20.33	20.34	21.5	0
15	16QAM	1	37	20.22	20.26	20.18		
15	16QAM	1	74	20.11	20.10	20.26		
15	16QAM	36	0	20.20	20.30	20.08	21.5	0
15	16QAM	36	20	20.01	20.29	19.98		
15	16QAM	36	39	20.03	19.97	19.83		
15	16QAM	75	0	20.01	20.31	20.01		
15	64QAM	1	0	20.26	20.16	20.12	21.5	0
15	64QAM	1	37	20.42	20.32	20.34		
15	64QAM	1	74	20.04	20.31	20.00		
15	64QAM	36	0	19.81	19.89	19.87	21.5	0
15	64QAM	36	20	19.53	19.63	19.68		
15	64QAM	36	39	19.64	19.73	19.64		
15	64QAM	75	0	19.55	19.55	19.59		
15	256QAM	1	0	17.80	17.62	17.62	19.5	2
15	256QAM	1	37	17.60	17.89	17.59		
15	256QAM	1	74	17.50	17.50	17.59		
15	256QAM	36	0	17.67	17.83	17.60	19.5	2
15	256QAM	36	20	17.64	17.83	17.50		
15	256QAM	36	39	17.62	17.74	17.59		
15	256QAM	75	0	17.67	17.65	17.76		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.09	20.15	20.38	21.5	0
10	QPSK	1	25	20.29	20.08	20.26		
10	QPSK	1	49	19.98	19.98	20.07		
10	QPSK	25	0	19.98	20.34	20.03	21.5	0
10	QPSK	25	12	20.24	20.16	20.16		
10	QPSK	25	25	20.03	20.22	20.09		
10	QPSK	50	0	20.17	20.09	20.34		
10	16QAM	1	0	20.36	20.32	20.38	21.5	0
10	16QAM	1	25	20.23	20.09	20.11		
10	16QAM	1	49	20.34	20.37	20.24		
10	16QAM	25	0	20.14	20.03	20.12	21.5	0
10	16QAM	25	12	19.89	20.30	20.20		
10	16QAM	25	25	19.77	20.30	20.03		
10	16QAM	50	0	19.96	20.09	20.21		
10	64QAM	1	0	20.21	20.36	20.22	21.5	0
10	64QAM	1	25	20.14	20.26	20.14		
10	64QAM	1	49	20.06	20.41	20.06		
10	64QAM	25	0	19.69	19.81	19.86	21.5	0
10	64QAM	25	12	19.74	19.81	19.77		
10	64QAM	25	25	19.55	19.58	19.66		
10	64QAM	50	0	19.59	19.64	19.67		
10	256QAM	1	0	17.54	17.72	17.71	19.5	2
10	256QAM	1	25	17.59	17.88	17.54		
10	256QAM	1	49	17.63	17.64	17.71		
10	256QAM	25	0	17.59	17.58	17.61	19.5	2
10	256QAM	25	12	17.50	17.79	17.59		
10	256QAM	25	25	17.57	17.55	17.70		
10	256QAM	50	0	17.66	17.87	17.69		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.26	20.23	20.41	21.5	0
5	QPSK	1	12	20.21	20.12	20.33		
5	QPSK	1	24	20.26	20.24	20.24		
5	QPSK	12	0	20.00	20.07	20.04	21.5	0
5	QPSK	12	7	20.21	20.04	20.34		
5	QPSK	12	13	20.20	20.05	20.24		
5	QPSK	25	0	20.32	20.19	20.18		
5	16QAM	1	0	20.41	20.34	20.14	21.5	0
5	16QAM	1	12	20.26	20.32	20.19		
5	16QAM	1	24	20.15	20.09	20.22		
5	16QAM	12	0	20.15	20.26	20.03	21.5	0
5	16QAM	12	7	19.83	20.07	19.96		
5	16QAM	12	13	19.76	20.08	20.08		
5	16QAM	25	0	19.78	20.06	20.23		
5	64QAM	1	0	20.18	20.20	20.29	21.5	0
5	64QAM	1	12	20.27	20.41	20.20		
5	64QAM	1	24	20.06	20.27	20.13		
5	64QAM	12	0	19.88	19.76	19.71	21.5	0
5	64QAM	12	7	19.70	19.71	19.60		
5	64QAM	12	13	19.64	19.78	19.65		
5	64QAM	25	0	19.52	19.59	19.66		
5	256QAM	1	0	17.80	17.67	17.81	19.5	2
5	256QAM	1	12	17.57	17.54	17.56		
5	256QAM	1	24	17.62	17.59	17.63		
5	256QAM	12	0	17.55	17.69	17.59	19.5	2
5	256QAM	12	7	17.67	17.67	17.52		
5	256QAM	12	13	17.74	17.50	17.67		
5	256QAM	25	0	17.54	17.58	17.88		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.01	20.17	20.21	21.5	0
3	QPSK	1	8	19.93	20.22	20.16		
3	QPSK	1	14	20.03	20.20	20.01		
3	QPSK	8	0	20.21	20.09	20.16	21.5	0
3	QPSK	8	4	20.26	20.23	20.40		
3	QPSK	8	7	19.88	20.01	20.35		
3	QPSK	15	0	20.21	19.98	20.39		
3	16QAM	1	0	20.13	20.13	20.34	21.5	0
3	16QAM	1	8	19.95	20.08	20.09		
3	16QAM	1	14	20.27	20.42	20.40		
3	16QAM	8	0	20.15	20.13	20.07	21.5	0
3	16QAM	8	4	20.07	20.17	20.11		
3	16QAM	8	7	20.03	20.09	20.14		
3	16QAM	15	0	19.83	20.10	20.08		
3	64QAM	1	0	19.91	20.31	20.38	21.5	0
3	64QAM	1	8	20.17	20.23	20.27		
3	64QAM	1	14	20.34	20.40	20.17		
3	64QAM	8	0	19.69	19.84	19.79	21.5	0
3	64QAM	8	4	19.68	19.71	19.70		
3	64QAM	8	7	19.64	19.56	19.71		
3	64QAM	15	0	19.51	19.54	19.66		
3	256QAM	1	0	17.75	17.64	17.64	19.5	2
3	256QAM	1	8	17.50	17.78	17.55		
3	256QAM	1	14	17.53	17.52	17.71		
3	256QAM	8	0	17.74	17.83	17.57	19.5	2
3	256QAM	8	4	17.81	17.77	17.59		
3	256QAM	8	7	17.54	17.70	17.58		
3	256QAM	15	0	17.66	17.82	17.72		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.14	20.28	20.30	21.5	0
1.4	QPSK	1	3	20.29	20.10	20.16		
1.4	QPSK	1	5	20.12	20.20	20.18		
1.4	QPSK	3	0	19.95	20.18	20.11		
1.4	QPSK	3	1	20.29	20.37	20.17		
1.4	QPSK	3	3	20.13	20.26	20.31		
1.4	QPSK	6	0	20.30	20.06	20.40	21.5	0
1.4	16QAM	1	0	20.42	20.21	20.29	21.5	0
1.4	16QAM	1	3	19.97	20.17	20.04		
1.4	16QAM	1	5	20.24	20.24	20.14		
1.4	16QAM	3	0	20.31	20.33	19.84		
1.4	16QAM	3	1	19.84	20.24	20.26		
1.4	16QAM	3	3	19.87	20.18	19.94		
1.4	16QAM	6	0	19.81	20.05	20.30	21.5	0
1.4	64QAM	1	0	20.13	20.29	20.37	21.5	0
1.4	64QAM	1	3	20.07	20.38	20.34		
1.4	64QAM	1	5	20.15	20.34	20.20		
1.4	64QAM	3	0	19.73	19.71	19.76		
1.4	64QAM	3	1	19.56	19.67	19.65		
1.4	64QAM	3	3	19.71	19.57	19.67		
1.4	64QAM	6	0	19.50	19.58	19.51	21.5	0
1.4	256QAM	1	0	17.72	17.54	17.52	19.5	2
1.4	256QAM	1	3	17.51	17.76	17.66		
1.4	256QAM	1	5	17.53	17.51	17.84		
1.4	256QAM	3	0	17.63	17.78	17.76		
1.4	256QAM	3	1	17.53	17.89	17.52		
1.4	256QAM	3	3	17.73	17.54	17.56		
1.4	256QAM	6	0	17.72	17.88	17.62	19.5	2

Band 5_Ant 0

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	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	19.66	19.75	19.42	21	2
1.4	256QAM	1	3	20.03	20.10	19.82		
1.4	256QAM	1	5	20.05	19.89	20.00		
1.4	256QAM	3	0	19.77	19.91	19.96		
1.4	256QAM	3	1	19.85	19.84	19.93		
1.4	256QAM	3	3	19.71	20.07	19.93		
1.4	256QAM	6	0	19.80	19.86	19.88	21	2

Band 5_Ant 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	19.66	19.75	19.42	21	2
1.4	256QAM	1	3	20.03	20.10	19.82		
1.4	256QAM	1	5	20.05	19.89	20.00		
1.4	256QAM	3	0	19.77	19.91	19.96		
1.4	256QAM	3	1	19.85	19.84	19.93		
1.4	256QAM	3	3	19.71	20.07	19.93		
1.4	256QAM	6	0	19.80	19.86	19.88	21	2

Band 7_Ant 1

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	21.28	21.10	21.14	23	0
20	QPSK	1	49	21.27	21.07	21.13		
20	QPSK	1	99	21.31	21.12	21.15		
20	QPSK	50	0	21.25	21.05	21.06	23	0
20	QPSK	50	24	21.28	21.10	21.13		
20	QPSK	50	50	21.24	21.09	21.12		
20	QPSK	100	0	21.25	21.16	21.14		
20	16QAM	1	0	21.19	21.11	21.11	23	0
20	16QAM	1	49	21.08	21.12	21.10		
20	16QAM	1	99	21.10	21.15	21.05		
20	16QAM	50	0	21.05	21.11	21.12	23	0
20	16QAM	50	24	21.14	21.14	21.09		
20	16QAM	50	50	21.18	21.13	21.04		
20	16QAM	100	0	21.15	21.13	21.21		
20	64QAM	1	0	21.30	21.21	21.09	23	0
20	64QAM	1	49	21.21	21.25	21.22		
20	64QAM	1	99	21.27	21.24	21.21		
20	64QAM	50	0	21.08	21.09	21.15	23	0
20	64QAM	50	24	21.11	21.14	21.18		
20	64QAM	50	50	21.02	21.13	21.15		
20	64QAM	100	0	21.05	21.11	21.05		
20	256QAM	1	0	19.67	19.71	19.74	21	2
20	256QAM	1	49	19.89	19.66	19.51		
20	256QAM	1	99	19.79	19.72	19.45		
20	256QAM	50	0	19.69	19.59	19.49	21	2
20	256QAM	50	24	19.79	19.63	19.62		
20	256QAM	50	50	19.84	19.61	19.58		
20	256QAM	100	0	19.50	19.62	19.41		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.07	21.10	23	0
15	QPSK	1	37	21.16	21.02	21.17		
15	QPSK	1	74	21.30	21.04	21.07		
15	QPSK	36	0	21.30	21.09	21.07	23	0
15	QPSK	36	20	21.30	21.13	21.02		
15	QPSK	36	39	21.15	21.00	21.03		
15	QPSK	75	0	21.25	21.27	21.05		
15	16QAM	1	0	21.27	21.12	21.01	23	0
15	16QAM	1	37	21.01	21.22	21.08		
15	16QAM	1	74	21.07	21.11	21.16		
15	16QAM	36	0	21.09	21.05	21.07	23	0
15	16QAM	36	20	21.05	21.16	21.10		
15	16QAM	36	39	21.19	21.17	21.11		
15	16QAM	75	0	21.05	21.17	21.18		
15	64QAM	1	0	21.28	21.06	21.03	23	0
15	64QAM	1	37	21.23	21.26	21.30		
15	64QAM	1	74	21.22	21.16	21.05		
15	64QAM	36	0	21.26	21.00	21.27	23	0
15	64QAM	36	20	21.10	21.12	21.26		
15	64QAM	36	39	21.07	21.16	21.24		
15	64QAM	75	0	21.06	21.11	21.13		
15	256QAM	1	0	19.53	19.81	19.77	21	2
15	256QAM	1	37	19.95	19.57	19.50		
15	256QAM	1	74	19.74	19.77	19.49		
15	256QAM	36	0	19.64	19.76	19.58	21	2
15	256QAM	36	20	19.93	19.48	19.77		
15	256QAM	36	39	19.92	19.48	19.70		
15	256QAM	75	0	19.32	19.53	19.37		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.26	21.06	21.21	23	0
10	QPSK	1	25	21.25	21.03	21.07		
10	QPSK	1	49	21.22	21.21	21.06		
10	QPSK	25	0	21.09	21.00	21.03	23	0
10	QPSK	25	12	21.14	21.18	21.24		
10	QPSK	25	25	21.12	21.06	21.08		
10	QPSK	50	0	21.30	21.03	21.15		
10	16QAM	1	0	21.25	21.08	21.14	23	0
10	16QAM	1	25	21.10	21.05	21.05		
10	16QAM	1	49	21.21	21.11	21.12		
10	16QAM	25	0	21.17	21.11	21.00	23	0
10	16QAM	25	12	21.22	21.25	21.22		
10	16QAM	25	25	21.20	21.13	21.07		
10	16QAM	50	0	21.19	21.11	21.03		
10	64QAM	1	0	21.26	21.29	21.26	23	0
10	64QAM	1	25	21.22	21.30	21.26		
10	64QAM	1	49	21.14	21.25	21.23		
10	64QAM	25	0	21.09	21.05	21.07	23	0
10	64QAM	25	12	21.14	21.24	21.27		
10	64QAM	25	25	21.13	21.03	21.08		
10	64QAM	50	0	21.16	21.27	21.05		
10	256QAM	1	0	19.79	19.71	19.63	21	2
10	256QAM	1	25	19.96	19.80	19.38		
10	256QAM	1	49	19.84	19.69	19.41		
10	256QAM	25	0	19.64	19.49	19.49	21	2
10	256QAM	25	12	19.69	19.54	19.76		
10	256QAM	25	25	19.93	19.55	19.65		
10	256QAM	50	0	19.62	19.47	19.26		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.30	21.18	21.09	23	0
5	QPSK	1	12	21.24	21.08	21.09		
5	QPSK	1	24	21.21	21.09	21.05		
5	QPSK	12	0	21.29	21.03	21.13	23	0
5	QPSK	12	7	21.24	21.27	21.07		
5	QPSK	12	13	21.20	21.08	21.08		
5	QPSK	25	0	21.30	21.11	21.16		
5	16QAM	1	0	21.14	21.05	21.10	23	0
5	16QAM	1	12	21.00	21.16	21.18		
5	16QAM	1	24	21.10	21.11	21.00		
5	16QAM	12	0	21.15	21.04	21.00	23	0
5	16QAM	12	7	21.00	21.30	21.21		
5	16QAM	12	13	21.16	21.22	21.07		
5	16QAM	25	0	21.09	21.11	21.08		
5	64QAM	1	0	21.22	21.20	21.24	23	0
5	64QAM	1	12	21.28	21.20	21.06		
5	64QAM	1	24	21.30	21.25	21.06		
5	64QAM	12	0	21.22	21.12	21.15	23	0
5	64QAM	12	7	21.15	21.23	21.02		
5	64QAM	12	13	21.14	21.02	21.01		
5	64QAM	25	0	21.09	21.22	21.22		
5	256QAM	1	0	19.83	19.73	19.73	21	2
5	256QAM	1	12	19.80	19.82	19.34		
5	256QAM	1	24	19.92	19.54	19.32		
5	256QAM	12	0	19.62	19.71	19.67	21	2
5	256QAM	12	7	19.92	19.73	19.78		
5	256QAM	12	13	19.79	19.67	19.46		
5	256QAM	25	0	19.49	19.46	19.52		

Band 7_Ant 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	18.28	18.06	18.16	20	0
20	QPSK	1	49	18.27	18.01	18.32		
20	QPSK	1	99	18.55	18.37	18.36		
20	QPSK	50	0	18.30	18.33	18.20	20	0
20	QPSK	50	24	18.53	18.35	18.33		
20	QPSK	50	50	18.42	18.09	18.12		
20	QPSK	100	0	18.52	18.18	18.34		
20	16QAM	1	0	18.20	18.19	18.05	20	0
20	16QAM	1	49	18.23	18.32	18.38		
20	16QAM	1	99	18.26	18.32	18.06		
20	16QAM	50	0	18.00	18.29	18.28	20	0
20	16QAM	50	24	18.28	18.11	18.08		
20	16QAM	50	50	18.31	18.38	18.08		
20	16QAM	100	0	18.33	18.14	18.27		
20	64QAM	1	0	18.42	18.30	18.21	20	0
20	64QAM	1	49	18.22	18.49	18.14		
20	64QAM	1	99	18.35	18.28	18.39		
20	64QAM	50	0	18.29	18.23	18.22	20	0
20	64QAM	50	24	18.12	18.11	18.45		
20	64QAM	50	50	18.14	18.06	18.36		
20	64QAM	100	0	18.33	18.18	18.09		
20	256QAM	1	0	18.28	18.36	18.24	20	0
20	256QAM	1	49	18.35	18.23	18.26		
20	256QAM	1	99	18.25	18.36	18.09		
20	256QAM	50	0	18.19	18.01	18.22	20	0
20	256QAM	50	24	18.46	18.38	18.27		
20	256QAM	50	50	18.52	18.05	18.34		
20	256QAM	100	0	18.20	18.32	18.08		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.05	18.07	18.02	20	0
15	QPSK	1	37	18.01	18.09	18.31		
15	QPSK	1	74	18.49	18.25	18.16		
15	QPSK	36	0	18.05	18.11	18.24	20	0
15	QPSK	36	20	18.49	18.20	18.14		
15	QPSK	36	39	18.33	18.13	18.05		
15	QPSK	75	0	18.44	18.01	18.18		
15	16QAM	1	0	18.19	18.07	18.09	20	0
15	16QAM	1	37	18.12	18.11	18.36		
15	16QAM	1	74	18.04	18.10	18.03		
15	16QAM	36	0	18.05	18.04	18.05	20	0
15	16QAM	36	20	18.19	18.14	18.16		
15	16QAM	36	39	18.29	18.45	18.15		
15	16QAM	75	0	18.13	18.09	18.03		
15	64QAM	1	0	18.38	18.04	18.21	20	0
15	64QAM	1	37	18.11	18.52	18.05		
15	64QAM	1	74	18.16	18.28	18.12		
15	64QAM	36	0	18.17	18.12	18.27	20	0
15	64QAM	36	20	18.11	18.01	18.27		
15	64QAM	36	39	18.12	18.10	18.21		
15	64QAM	75	0	18.24	18.11	18.06		
15	256QAM	1	0	18.03	18.44	18.28	20	0
15	256QAM	1	37	18.17	18.27	18.11		
15	256QAM	1	74	18.11	18.28	18.13		
15	256QAM	36	0	18.15	18.05	18.00	20	0
15	256QAM	36	20	18.19	18.46	18.15		
15	256QAM	36	39	18.40	18.03	18.32		
15	256QAM	75	0	18.07	18.10	18.05		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.28	18.02	18.01	20	0
10	QPSK	1	25	18.21	18.07	18.21		
10	QPSK	1	49	18.28	18.44	18.19		
10	QPSK	25	0	18.33	18.06	18.05	20	0
10	QPSK	25	12	18.35	18.10	18.11		
10	QPSK	25	25	18.31	18.03	18.05		
10	QPSK	50	0	18.38	18.00	18.11		
10	16QAM	1	0	18.01	18.06	18.09	20	0
10	16QAM	1	25	18.02	18.10	18.42		
10	16QAM	1	49	18.08	18.10	18.05		
10	16QAM	25	0	18.03	18.17	18.04	20	0
10	16QAM	25	12	18.02	18.07	18.04		
10	16QAM	25	25	18.23	18.38	18.01		
10	16QAM	50	0	18.21	18.01	18.33		
10	64QAM	1	0	18.39	18.28	18.21	20	0
10	64QAM	1	25	18.05	18.51	18.09		
10	64QAM	1	49	18.24	18.21	18.18		
10	64QAM	25	0	18.25	18.09	18.27	20	0
10	64QAM	25	12	18.20	18.09	18.43		
10	64QAM	25	25	18.07	18.08	18.30		
10	64QAM	50	0	18.40	18.00	18.16		
10	256QAM	1	0	18.25	18.35	18.26	20	0
10	256QAM	1	25	18.30	18.31	18.32		
10	256QAM	1	49	18.10	18.21	18.11		
10	256QAM	25	0	18.01	18.03	18.07	20	0
10	256QAM	25	12	18.41	18.17	18.08		
10	256QAM	25	25	18.50	18.00	18.15		
10	256QAM	50	0	18.07	18.24	18.07		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.28	18.01	18.21	20	0
5	QPSK	1	12	18.24	18.09	18.13		
5	QPSK	1	24	18.48	18.39	18.37		
5	QPSK	12	0	18.25	18.34	18.04	20	0
5	QPSK	12	7	18.46	18.26	18.08		
5	QPSK	12	13	18.41	18.02	18.04		
5	QPSK	25	0	18.41	18.07	18.17		
5	16QAM	1	0	18.08	18.17	18.01	20	0
5	16QAM	1	12	18.04	18.35	18.21		
5	16QAM	1	24	18.31	18.38	18.06		
5	16QAM	12	0	18.06	18.32	18.25	20	0
5	16QAM	12	7	18.06	18.00	18.08		
5	16QAM	12	13	18.13	18.32	18.05		
5	16QAM	25	0	18.33	18.01	18.05		
5	64QAM	1	0	18.44	18.38	18.15	20	0
5	64QAM	1	12	18.05	18.39	18.09		
5	64QAM	1	24	18.15	18.19	18.18		
5	64QAM	12	0	18.21	18.12	18.07	20	0
5	64QAM	12	7	18.00	18.08	18.50		
5	64QAM	12	13	18.21	18.05	18.44		
5	64QAM	25	0	18.40	18.26	18.13		
5	256QAM	1	0	18.22	18.35	18.22	20	0
5	256QAM	1	12	18.26	18.23	18.11		
5	256QAM	1	24	18.06	18.40	18.02		
5	256QAM	12	0	18.03	18.00	18.05	20	0
5	256QAM	12	7	18.32	18.17	18.28		
5	256QAM	12	13	18.46	18.09	18.23		
5	256QAM	25	0	18.03	18.17	18.14		

Band 12_Ant 0

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.24	19.38	19.17	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 12_Ant 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.24	19.38	19.17	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 13_Ant 0

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)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 13_Ant 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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 30_Ant 1

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			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 30_Ant 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					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		18.04		19.5	0
10	QPSK	1	25		17.79			
10	QPSK	1	49		18.93			
10	QPSK	25	0		18.16		19.5	0
10	QPSK	25	12		17.98			
10	QPSK	25	25		18.53			
10	QPSK	50	0		18.51			
10	16QAM	1	0		18.31		19.5	0
10	16QAM	1	25		18.08			
10	16QAM	1	49		18.78			
10	16QAM	25	0		18.30		19.5	0
10	16QAM	25	12		18.10			
10	16QAM	25	25		18.50			
10	16QAM	50	0		18.30			
10	64QAM	1	0		18.64		19.5	0
10	64QAM	1	25		18.09			
10	64QAM	1	49		18.67			
10	64QAM	25	0		18.07		19.5	0
10	64QAM	25	12		18.01			
10	64QAM	25	25		18.48			
10	64QAM	50	0		18.23			
10	256QAM	1	0		18.80		19.5	0
10	256QAM	1	25		18.60			
10	256QAM	1	49		18.85			
10	256QAM	25	0		18.22		19.5	0
10	256QAM	25	12		18.10			
10	256QAM	25	25		18.63			
10	256QAM	50	0		18.63			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	18.42	18.14	17.88	19.5	0
5	QPSK	1	12	18.17	17.85	18.60		
5	QPSK	1	24	17.88	18.37	18.78		
5	QPSK	12	0	18.39	18.01	18.05	19.5	0
5	QPSK	12	7	18.32	18.13	18.66		
5	QPSK	12	13	18.03	18.20	18.65		
5	QPSK	25	0	18.18	18.09	18.33		
5	16QAM	1	0	18.35	18.27	17.70	19.5	0
5	16QAM	1	12	17.89	18.05	18.39		
5	16QAM	1	24	17.71	18.61	18.55		
5	16QAM	12	0	18.25	18.09	18.05	19.5	0
5	16QAM	12	7	17.86	18.13	18.62		
5	16QAM	12	13	17.99	18.20	18.70		
5	16QAM	25	0	18.20	18.02	18.28		
5	64QAM	1	0	18.02	18.49	17.74	19.5	0
5	64QAM	1	12	18.09	18.23	18.65		
5	64QAM	1	24	17.86	18.07	18.70		
5	64QAM	12	0	18.25	17.98	17.94	19.5	0
5	64QAM	12	7	18.26	17.79	18.42		
5	64QAM	12	13	17.85	17.90	18.41		
5	64QAM	25	0	17.87	17.97	18.36		
5	256QAM	1	0	18.62	18.47	18.20	19.5	0
5	256QAM	1	12	18.21	18.27	18.41		
5	256QAM	1	24	18.66	18.64	18.68		
5	256QAM	12	0	18.25	17.95	18.16	19.5	0
5	256QAM	12	7	17.79	18.21	18.17		
5	256QAM	12	13	18.11	18.39	18.38		
5	256QAM	25	0	18.10	18.25	18.13		

Band 66_Ant 1

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	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 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				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 11

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	20.21	20.27	20.45	21.5	0
20	QPSK	1	49	20.12	20.19	20.41		
20	QPSK	1	99	20.16	20.02	20.25		
20	QPSK	50	0	20.15	20.24	20.31	21.5	0
20	QPSK	50	24	20.18	20.25	20.43		
20	QPSK	50	50	20.16	20.21	20.42		
20	QPSK	100	0	20.14	20.26	20.40		
20	16QAM	1	0	20.30	20.38	20.24	21.5	0
20	16QAM	1	49	20.23	20.23	20.38		
20	16QAM	1	99	20.26	20.20	20.24		
20	16QAM	50	0	20.38	20.30	20.35	21.5	0
20	16QAM	50	24	20.37	20.31	20.34		
20	16QAM	50	50	20.23	20.32	20.20		
20	16QAM	100	0	20.13	20.23	20.23		
20	64QAM	1	0	20.34	20.37	20.21	21.5	0
20	64QAM	1	49	20.31	20.38	20.25		
20	64QAM	1	99	20.22	20.33	20.39		
20	64QAM	50	0	20.08	19.94	19.78	21.5	0
20	64QAM	50	24	20.00	19.85	19.95		
20	64QAM	50	50	19.77	19.81	19.73		
20	64QAM	100	0	19.91	19.83	19.91		
20	256QAM	1	0	17.79	17.92	18.03	19.5	2
20	256QAM	1	49	17.94	18.00	17.84		
20	256QAM	1	99	17.75	17.64	17.69		
20	256QAM	50	0	17.80	17.86	17.84	19.5	2
20	256QAM	50	24	18.06	17.92	17.84		
20	256QAM	50	50	18.02	17.85	17.85		
20	256QAM	100	0	17.79	17.82	17.80		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.11	20.35	20.33	21.5	0
15	QPSK	1	37	20.20	20.32	20.25		
15	QPSK	1	74	20.27	19.87	20.28		
15	QPSK	36	0	20.05	20.27	20.24	21.5	0
15	QPSK	36	20	20.02	20.09	20.34		
15	QPSK	36	39	20.15	20.08	20.36		
15	QPSK	75	0	20.21	20.21	20.25		
15	16QAM	1	0	20.39	20.23	20.34	21.5	0
15	16QAM	1	37	20.37	20.29	20.33		
15	16QAM	1	74	20.21	20.23	20.23		
15	16QAM	36	0	20.33	20.26	20.22	21.5	0
15	16QAM	36	20	20.20	20.13	20.27		
15	16QAM	36	39	20.18	20.23	20.29		
15	16QAM	75	0	20.00	20.28	20.23		
15	64QAM	1	0	20.24	20.24	20.34	21.5	0
15	64QAM	1	37	20.14	20.20	20.23		
15	64QAM	1	74	20.34	20.28	20.22		
15	64QAM	36	0	19.97	19.90	19.89	21.5	0
15	64QAM	36	20	19.98	19.91	19.99		
15	64QAM	36	39	19.88	19.68	19.76		
15	64QAM	75	0	20.02	19.87	20.07		
15	256QAM	1	0	17.79	17.85	18.10	19.5	2
15	256QAM	1	37	17.78	17.84	17.79		
15	256QAM	1	74	17.66	17.66	17.74		
15	256QAM	36	0	17.81	17.77	17.84	19.5	2
15	256QAM	36	20	17.99	18.08	17.82		
15	256QAM	36	39	18.10	17.86	17.77		
15	256QAM	75	0	17.95	17.68	17.86		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.23	20.21	20.29	21.5	0
10	QPSK	1	25	20.17	20.05	20.32		
10	QPSK	1	49	20.00	20.17	20.35		
10	QPSK	25	0	20.16	20.35	20.18	21.5	0
10	QPSK	25	12	20.22	20.16	20.33		
10	QPSK	25	25	20.27	20.39	20.32		
10	QPSK	50	0	20.03	20.35	20.36		
10	16QAM	1	0	20.38	20.34	20.33	21.5	0
10	16QAM	1	25	20.34	20.25	20.35		
10	16QAM	1	49	20.32	20.33	20.20		
10	16QAM	25	0	20.24	20.25	20.20	21.5	0
10	16QAM	25	12	20.28	20.22	20.32		
10	16QAM	25	25	20.15	20.16	20.28		
10	16QAM	50	0	20.13	20.17	20.28		
10	64QAM	1	0	20.33	20.28	20.24	21.5	0
10	64QAM	1	25	20.23	20.32	20.30		
10	64QAM	1	49	20.30	20.23	20.26		
10	64QAM	25	0	20.05	19.80	19.96	21.5	0
10	64QAM	25	12	19.86	19.76	19.94		
10	64QAM	25	25	19.74	19.88	19.78		
10	64QAM	50	0	19.90	19.84	19.75		
10	256QAM	1	0	17.89	17.82	18.16	19.5	2
10	256QAM	1	25	18.01	17.96	18.00		
10	256QAM	1	49	17.81	17.73	17.81		
10	256QAM	25	0	17.66	17.88	17.74	19.5	2
10	256QAM	25	12	17.93	17.92	17.92		
10	256QAM	25	25	17.93	17.90	17.76		
10	256QAM	50	0	17.63	17.79	17.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.37	20.15	20.39	21.5	0
5	QPSK	1	12	20.21	20.23	20.25		
5	QPSK	1	24	20.26	20.20	20.34		
5	QPSK	12	0	20.31	20.24	20.27	21.5	0
5	QPSK	12	7	20.13	20.16	20.33		
5	QPSK	12	13	20.19	20.06	20.34		
5	QPSK	25	0	20.17	20.33	20.25		
5	16QAM	1	0	20.21	20.21	20.32	21.5	0
5	16QAM	1	12	20.36	20.33	20.24		
5	16QAM	1	24	20.09	20.30	20.32		
5	16QAM	12	0	20.25	20.15	20.28	21.5	0
5	16QAM	12	7	20.24	20.28	20.23		
5	16QAM	12	13	20.26	20.24	20.20		
5	16QAM	25	0	19.95	20.09	20.32		
5	64QAM	1	0	20.20	20.24	20.33	21.5	0
5	64QAM	1	12	20.17	20.31	20.22		
5	64QAM	1	24	20.27	20.29	20.27		
5	64QAM	12	0	20.09	19.83	19.61	21.5	0
5	64QAM	12	7	20.11	19.83	19.97		
5	64QAM	12	13	19.62	19.72	19.90		
5	64QAM	25	0	19.79	19.87	19.79		
5	256QAM	1	0	17.93	18.00	17.96	19.5	2
5	256QAM	1	12	18.06	18.08	18.02		
5	256QAM	1	24	17.77	17.70	17.62		
5	256QAM	12	0	17.98	17.86	17.74	19.5	2
5	256QAM	12	7	18.00	17.91	17.82		
5	256QAM	12	13	17.90	17.78	17.71		
5	256QAM	25	0	17.65	17.67	17.72		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.10	20.20	20.37	21.5	0
3	QPSK	1	8	20.05	20.26	20.29		
3	QPSK	1	14	20.32	19.91	20.30		
3	QPSK	8	0	20.16	20.07	20.20	21.5	0
3	QPSK	8	4	20.04	20.23	20.33		
3	QPSK	8	7	20.10	20.08	20.34		
3	QPSK	15	0	20.23	20.20	20.31		
3	16QAM	1	0	20.30	20.28	20.27	21.5	0
3	16QAM	1	8	20.28	20.34	20.31		
3	16QAM	1	14	20.27	20.21	20.26		
3	16QAM	8	0	20.36	20.30	20.22	21.5	0
3	16QAM	8	4	20.24	20.38	20.26		
3	16QAM	8	7	20.21	20.15	20.22		
3	16QAM	15	0	20.10	20.35	20.22		
3	64QAM	1	0	20.20	20.35	20.34	21.5	0
3	64QAM	1	8	20.28	20.32	20.27		
3	64QAM	1	14	20.23	20.24	20.33		
3	64QAM	8	0	19.92	19.89	19.83	21.5	0
3	64QAM	8	4	19.87	19.78	19.95		
3	64QAM	8	7	19.74	19.95	19.86		
3	64QAM	15	0	19.97	19.67	20.02		
3	256QAM	1	0	17.84	17.84	18.19	19.5	2
3	256QAM	1	8	18.04	17.88	17.87		
3	256QAM	1	14	17.73	17.75	17.74		
3	256QAM	8	0	17.77	18.02	17.87	19.5	2
3	256QAM	8	4	17.95	18.00	17.68		
3	256QAM	8	7	18.01	17.95	17.88		
3	256QAM	15	0	17.79	17.78	17.90		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.34	20.31	20.34	21.5	0
1.4	QPSK	1	3	20.20	20.20	20.33		
1.4	QPSK	1	5	20.02	20.20	20.07		
1.4	QPSK	3	0	20.17	20.20	20.29		
1.4	QPSK	3	1	20.36	20.25	20.39		
1.4	QPSK	3	3	20.25	20.39	20.26		
1.4	QPSK	6	0	20.30	20.18	20.25	21.5	0
1.4	16QAM	1	0	20.28	20.23	20.31	21.5	0
1.4	16QAM	1	3	20.29	20.34	20.30		
1.4	16QAM	1	5	20.14	20.28	20.39		
1.4	16QAM	3	0	20.33	20.25	20.33		
1.4	16QAM	3	1	20.24	20.27	20.36		
1.4	16QAM	3	3	20.20	20.14	20.36		
1.4	16QAM	6	0	20.31	20.16	20.26	21.5	0
1.4	64QAM	1	0	20.24	20.29	20.33	21.5	0
1.4	64QAM	1	3	20.27	20.33	20.20		
1.4	64QAM	1	5	20.24	20.33	20.24		
1.4	64QAM	3	0	19.96	19.89	19.81		
1.4	64QAM	3	1	19.83	19.84	20.00		
1.4	64QAM	3	3	19.88	19.93	19.62		
1.4	64QAM	6	0	19.81	19.96	20.03	21.5	0
1.4	256QAM	1	0	17.95	17.88	18.11	19.5	2
1.4	256QAM	1	3	18.06	18.10	17.86		
1.4	256QAM	1	5	17.69	17.80	17.87		
1.4	256QAM	3	0	17.90	17.82	18.00		
1.4	256QAM	3	1	18.15	17.83	17.89		
1.4	256QAM	3	3	17.87	17.68	17.68		
1.4	256QAM	6	0	17.95	17.93	17.87	19.5	2

Inter-Band CA for State 11

Band 2_Ant 1

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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

Band 2_Ant 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	18.36	18.48	18.32	20	0
20	QPSK	1	49	18.40	18.50	18.38		
20	QPSK	1	99	18.33	18.20	18.33		
20	QPSK	50	0	18.31	18.26	18.33	20	0
20	QPSK	50	24	18.36	18.48	18.36		
20	QPSK	50	50	18.26	18.23	18.22		
20	QPSK	100	0	18.34	18.46	18.24		
20	16QAM	1	0	18.19	18.16	18.12	20	0
20	16QAM	1	49	18.28	18.27	18.22		
20	16QAM	1	99	18.32	18.39	18.39		
20	16QAM	50	0	18.07	18.44	18.49	20	0
20	16QAM	50	24	18.30	18.45	18.29		
20	16QAM	50	50	18.10	18.29	18.27		
20	16QAM	100	0	18.45	18.31	18.21		
20	64QAM	1	0	18.02	18.15	18.04	20	0
20	64QAM	1	49	18.04	18.24	18.00		
20	64QAM	1	99	18.23	18.38	18.22		
20	64QAM	50	0	18.31	18.35	18.31	20	0
20	64QAM	50	24	18.01	18.39	18.11		
20	64QAM	50	50	18.23	18.26	18.32		
20	64QAM	100	0	18.02	18.28	18.37		
20	256QAM	1	0	18.23	18.30	18.10	20	0
20	256QAM	1	49	18.18	18.22	18.20		
20	256QAM	1	99	18.02	18.20	18.18		
20	256QAM	50	0	18.17	18.48	18.18	20	0
20	256QAM	50	24	18.34	18.20	18.19		
20	256QAM	50	50	18.30	18.07	18.12		
20	256QAM	100	0	18.05	18.21	18.12		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	18.34	18.40	18.04	20	0
15	QPSK	1	37	18.32	18.27	18.43		
15	QPSK	1	74	18.16	18.25	18.32		
15	QPSK	36	0	18.18	18.16	18.37	20	0
15	QPSK	36	20	18.37	18.34	18.11		
15	QPSK	36	39	18.11	18.13	18.06		
15	QPSK	75	0	18.31	18.25	18.27		
15	16QAM	1	0	18.27	18.24	18.07	20	0
15	16QAM	1	37	18.27	18.38	18.06		
15	16QAM	1	74	18.15	18.49	18.40		
15	16QAM	36	0	18.19	18.39	18.45	20	0
15	16QAM	36	20	18.12	18.42	18.41		
15	16QAM	36	39	18.00	18.29	18.28		
15	16QAM	75	0	18.32	18.19	18.13		
15	64QAM	1	0	18.06	18.19	18.08	20	0
15	64QAM	1	37	18.10	18.08	18.12		
15	64QAM	1	74	18.17	18.41	18.16		
15	64QAM	36	0	18.15	18.42	18.23	20	0
15	64QAM	36	20	18.06	18.46	18.15		
15	64QAM	36	39	18.38	18.35	18.18		
15	64QAM	75	0	18.09	18.18	18.43		
15	256QAM	1	0	18.27	18.32	18.05	20	0
15	256QAM	1	37	18.01	18.25	18.21		
15	256QAM	1	74	18.08	18.08	18.09		
15	256QAM	36	0	18.01	18.23	18.17	20	0
15	256QAM	36	20	18.10	18.22	18.06		
15	256QAM	36	39	18.14	18.14	18.02		
15	256QAM	75	0	18.07	18.28	18.18		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	18.14	18.45	18.34	20	0
10	QPSK	1	25	18.28	18.48	18.19		
10	QPSK	1	49	18.12	18.03	18.09		
10	QPSK	25	0	18.16	18.33	18.13	20	0
10	QPSK	25	12	18.15	18.40	18.08		
10	QPSK	25	25	18.25	18.27	18.30		
10	QPSK	50	0	18.35	18.45	18.00		
10	16QAM	1	0	18.31	18.19	18.11	20	0
10	16QAM	1	25	18.40	18.26	18.13		
10	16QAM	1	49	18.14	18.42	18.47		
10	16QAM	25	0	18.09	18.48	18.41	20	0
10	16QAM	25	12	18.48	18.48	18.11		
10	16QAM	25	25	18.24	18.26	18.37		
10	16QAM	50	0	18.47	18.40	18.24		
10	64QAM	1	0	18.07	18.07	18.00	20	0
10	64QAM	1	25	18.04	18.33	18.10		
10	64QAM	1	49	18.34	18.28	18.32		
10	64QAM	25	0	18.47	18.37	18.23	20	0
10	64QAM	25	12	18.09	18.49	18.06		
10	64QAM	25	25	18.23	18.35	18.40		
10	64QAM	50	0	18.11	18.13	18.43		
10	256QAM	1	0	18.19	18.35	18.18	20	0
10	256QAM	1	25	18.05	18.30	18.19		
10	256QAM	1	49	18.01	18.11	18.26		
10	256QAM	25	0	18.03	18.42	18.16	20	0
10	256QAM	25	12	18.06	18.23	18.06		
10	256QAM	25	25	18.16	18.12	18.05		
10	256QAM	50	0	18.09	18.27	18.06		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	18.27	18.46	18.06	20	0
5	QPSK	1	12	18.16	18.40	18.37		
5	QPSK	1	24	18.27	18.05	18.38		
5	QPSK	12	0	18.29	18.32	18.38	20	0
5	QPSK	12	7	18.30	18.36	18.32		
5	QPSK	12	13	18.20	18.11	18.13		
5	QPSK	25	0	18.06	18.29	18.06		
5	16QAM	1	0	18.10	18.28	18.06	20	0
5	16QAM	1	12	18.43	18.43	18.36		
5	16QAM	1	24	18.34	18.49	18.27		
5	16QAM	12	0	18.00	18.48	18.46	20	0
5	16QAM	12	7	18.17	18.37	18.17		
5	16QAM	12	13	18.13	18.31	18.33		
5	16QAM	25	0	18.41	18.40	18.10		
5	64QAM	1	0	18.00	18.31	18.03	20	0
5	64QAM	1	12	18.06	18.34	18.04		
5	64QAM	1	24	18.06	18.34	18.40		
5	64QAM	12	0	18.38	18.47	18.47	20	0
5	64QAM	12	7	18.11	18.33	18.03		
5	64QAM	12	13	18.32	18.25	18.41		
5	64QAM	25	0	18.20	18.34	18.23		
5	256QAM	1	0	18.07	18.18	18.06	20	0
5	256QAM	1	12	18.03	18.27	18.20		
5	256QAM	1	24	18.00	18.27	18.16		
5	256QAM	12	0	18.20	18.46	18.02	20	0
5	256QAM	12	7	18.19	18.17	18.25		
5	256QAM	12	13	18.23	18.11	18.05		
5	256QAM	25	0	18.01	18.06	18.04		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	18.39	18.36	18.22	20	0
3	QPSK	1	8	18.37	18.49	18.20		
3	QPSK	1	14	18.41	18.21	18.41		
3	QPSK	8	0	18.16	18.09	18.31	20	0
3	QPSK	8	4	18.25	18.39	18.29		
3	QPSK	8	7	18.16	18.01	18.12		
3	QPSK	15	0	18.06	18.45	18.14		
3	16QAM	1	0	18.01	18.08	18.28	20	0
3	16QAM	1	8	18.19	18.20	18.04		
3	16QAM	1	14	18.26	18.44	18.41		
3	16QAM	8	0	18.08	18.32	18.45	20	0
3	16QAM	8	4	18.35	18.37	18.26		
3	16QAM	8	7	18.12	18.25	18.15		
3	16QAM	15	0	18.42	18.28	18.18		
3	64QAM	1	0	18.15	18.09	18.04	20	0
3	64QAM	1	8	18.09	18.36	18.17		
3	64QAM	1	14	18.39	18.48	18.34		
3	64QAM	8	0	18.43	18.34	18.38	20	0
3	64QAM	8	4	18.18	18.41	18.18		
3	64QAM	8	7	18.05	18.43	18.14		
3	64QAM	15	0	18.04	18.40	18.33		
3	256QAM	1	0	18.00	18.20	18.13	20	0
3	256QAM	1	8	18.05	18.09	18.07		
3	256QAM	1	14	18.08	18.27	18.05		
3	256QAM	8	0	18.02	18.44	18.02	20	0
3	256QAM	8	4	18.29	18.00	18.02		
3	256QAM	8	7	18.26	18.00	18.06		
3	256QAM	15	0	18.00	18.03	18.09		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	18.36	18.29	18.33	20	0
1.4	QPSK	1	3	18.18	18.32	18.41		
1.4	QPSK	1	5	18.38	18.26	18.30		
1.4	QPSK	3	0	18.21	18.11	18.31		
1.4	QPSK	3	1	18.33	18.35	18.40		
1.4	QPSK	3	3	18.03	18.28	18.01		
1.4	QPSK	6	0	18.17	18.47	18.09	20	0
1.4	16QAM	1	0	18.07	18.21	18.16	20	0
1.4	16QAM	1	3	18.13	18.13	18.14		
1.4	16QAM	1	5	18.43	18.39	18.23		
1.4	16QAM	3	0	18.04	18.40	18.33		
1.4	16QAM	3	1	18.44	18.43	18.35		
1.4	16QAM	3	3	18.06	18.33	18.14		
1.4	16QAM	6	0	18.42	18.48	18.21	20	0
1.4	64QAM	1	0	18.04	18.20	18.01	20	0
1.4	64QAM	1	3	18.06	18.18	18.00		
1.4	64QAM	1	5	18.19	18.27	18.07		
1.4	64QAM	3	0	18.37	18.29	18.34		
1.4	64QAM	3	1	18.02	18.40	18.13		
1.4	64QAM	3	3	18.20	18.30	18.22		
1.4	64QAM	6	0	18.01	18.13	18.37	20	0
1.4	256QAM	1	0	18.30	18.16	18.02	20	0
1.4	256QAM	1	3	18.02	18.30	18.19		
1.4	256QAM	1	5	18.03	18.21	18.06		
1.4	256QAM	3	0	18.06	18.25	18.11		
1.4	256QAM	3	1	18.18	18.23	18.05		
1.4	256QAM	3	3	18.19	18.09	18.00		
1.4	256QAM	6	0	18.04	18.09	18.05	20	0

Band 2_Ant 11

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	16.76	16.67	16.60	18	0
20	QPSK	1	49	16.77	16.89	16.66		
20	QPSK	1	99	16.73	16.67	16.63		
20	QPSK	50	0	16.48	16.47	16.51	18	0
20	QPSK	50	24	16.75	16.87	16.63		
20	QPSK	50	50	16.52	16.58	16.40		
20	QPSK	100	0	16.38	16.85	16.71		
20	16QAM	1	0	16.24	16.31	16.27	18	0
20	16QAM	1	49	16.34	16.51	16.17		
20	16QAM	1	99	16.25	16.44	16.45		
20	16QAM	50	0	16.64	16.56	16.70	18	0
20	16QAM	50	24	16.40	16.77	16.63		
20	16QAM	50	50	16.39	16.81	16.59		
20	16QAM	100	0	16.30	16.66	16.33		
20	64QAM	1	0	16.31	16.54	16.23	18	0
20	64QAM	1	49	16.07	16.10	16.25		
20	64QAM	1	99	16.24	16.50	16.45		
20	64QAM	50	0	16.38	16.50	16.41	18	0
20	64QAM	50	24	16.39	16.64	16.53		
20	64QAM	50	50	16.36	16.35	16.70		
20	64QAM	100	0	16.45	16.65	16.44		
20	256QAM	1	0	16.40	16.80	16.62	18	0
20	256QAM	1	49	16.88	16.70	16.82		
20	256QAM	1	99	16.72	16.59	16.36		
20	256QAM	50	0	16.34	16.63	16.26	18	0
20	256QAM	50	24	16.41	16.34	16.72		
20	256QAM	50	50	16.42	16.57	16.43		
20	256QAM	100	0	16.18	16.44	16.42		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	16.78	16.44	16.61	18	0
15	QPSK	1	37	16.79	16.72	16.40		
15	QPSK	1	74	16.70	16.72	16.48		
15	QPSK	36	0	16.46	16.20	16.58	18	0
15	QPSK	36	20	16.82	16.69	16.61		
15	QPSK	36	39	16.37	16.45	16.21		
15	QPSK	75	0	16.41	16.80	16.74		
15	16QAM	1	0	16.22	16.31	16.26	18	0
15	16QAM	1	37	16.26	16.45	16.22		
15	16QAM	1	74	16.05	16.24	16.36		
15	16QAM	36	0	16.57	16.40	16.44	18	0
15	16QAM	36	20	16.15	16.75	16.58		
15	16QAM	36	39	16.22	16.78	16.47		
15	16QAM	75	0	16.14	16.74	16.20		
15	64QAM	1	0	16.16	16.31	16.26	18	0
15	64QAM	1	37	16.13	16.16	16.13		
15	64QAM	1	74	16.23	16.51	16.40		
15	64QAM	36	0	16.23	16.34	16.14	18	0
15	64QAM	36	20	16.39	16.50	16.31		
15	64QAM	36	39	16.21	16.19	16.60		
15	64QAM	75	0	16.36	16.43	16.44		
15	256QAM	1	0	16.39	16.73	16.51	18	0
15	256QAM	1	37	16.88	16.75	16.70		
15	256QAM	1	74	16.59	16.50	16.21		
15	256QAM	36	0	16.13	16.39	16.09	18	0
15	256QAM	36	20	16.38	16.26	16.45		
15	256QAM	36	39	16.44	16.61	16.35		
15	256QAM	75	0	16.01	16.40	16.39		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	16.70	16.67	16.54	18	0
10	QPSK	1	25	16.65	16.85	16.53		
10	QPSK	1	49	16.69	16.75	16.51		
10	QPSK	25	0	16.39	16.47	16.37	18	0
10	QPSK	25	12	16.55	16.71	16.66		
10	QPSK	25	25	16.37	16.61	16.39		
10	QPSK	50	0	16.27	16.69	16.43		
10	16QAM	1	0	16.24	16.07	16.10	18	0
10	16QAM	1	25	16.20	16.42	16.17		
10	16QAM	1	49	16.09	16.25	16.31		
10	16QAM	25	0	16.64	16.31	16.59	18	0
10	16QAM	25	12	16.19	16.73	16.53		
10	16QAM	25	25	16.47	16.56	16.34		
10	16QAM	50	0	16.38	16.73	16.32		
10	64QAM	1	0	16.10	16.54	16.28	18	0
10	64QAM	1	25	16.01	16.12	16.04		
10	64QAM	1	49	16.32	16.54	16.18		
10	64QAM	25	0	16.12	16.25	16.15	18	0
10	64QAM	25	12	16.38	16.66	16.31		
10	64QAM	25	25	16.29	16.26	16.65		
10	64QAM	50	0	16.17	16.47	16.16		
10	256QAM	1	0	16.21	16.58	16.66	18	0
10	256QAM	1	25	16.82	16.75	16.83		
10	256QAM	1	49	16.49	16.43	16.27		
10	256QAM	25	0	16.36	16.46	16.19	18	0
10	256QAM	25	12	16.21	16.36	16.73		
10	256QAM	25	25	16.21	16.29	16.45		
10	256QAM	50	0	16.15	16.19	16.38		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	16.53	16.59	16.61	18	0
5	QPSK	1	12	16.62	16.80	16.44		
5	QPSK	1	24	16.57	16.75	16.57		
5	QPSK	12	0	16.55	16.31	16.46	18	0
5	QPSK	12	7	16.71	16.82	16.46		
5	QPSK	12	13	16.46	16.48	16.40		
5	QPSK	25	0	16.19	16.58	16.56		
5	16QAM	1	0	16.27	16.27	16.01	18	0
5	16QAM	1	12	16.13	16.43	16.11		
5	16QAM	1	24	16.13	16.43	16.21		
5	16QAM	12	0	16.53	16.47	16.73	18	0
5	16QAM	12	7	16.12	16.61	16.38		
5	16QAM	12	13	16.42	16.60	16.36		
5	16QAM	25	0	16.19	16.43	16.15		
5	64QAM	1	0	16.12	16.48	16.04	18	0
5	64QAM	1	12	16.10	16.13	16.03		
5	64QAM	1	24	16.28	16.43	16.30		
5	64QAM	12	0	16.24	16.49	16.32	18	0
5	64QAM	12	7	16.23	16.54	16.58		
5	64QAM	12	13	16.35	16.15	16.47		
5	64QAM	25	0	16.29	16.69	16.52		
5	256QAM	1	0	16.30	16.70	16.59	18	0
5	256QAM	1	12	16.75	16.67	16.73		
5	256QAM	1	24	16.49	16.39	16.30		
5	256QAM	12	0	16.16	16.66	16.28	18	0
5	256QAM	12	7	16.20	16.35	16.74		
5	256QAM	12	13	16.35	16.60	16.43		
5	256QAM	25	0	16.18	16.38	16.31		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	16.53	16.60	16.44	18	0
3	QPSK	1	8	16.80	16.79	16.74		
3	QPSK	1	14	16.72	16.57	16.41		
3	QPSK	8	0	16.44	16.51	16.56	18	0
3	QPSK	8	4	16.70	16.78	16.37		
3	QPSK	8	7	16.50	16.37	16.32		
3	QPSK	15	0	16.45	16.78	16.74		
3	16QAM	1	0	16.13	16.07	16.35	18	0
3	16QAM	1	8	16.20	16.37	16.01		
3	16QAM	1	14	16.20	16.42	16.20		
3	16QAM	8	0	16.66	16.56	16.54	18	0
3	16QAM	8	4	16.27	16.82	16.49		
3	16QAM	8	7	16.26	16.73	16.62		
3	16QAM	15	0	16.30	16.66	16.15		
3	64QAM	1	0	16.16	16.48	16.19	18	0
3	64QAM	1	8	16.13	16.22	16.19		
3	64QAM	1	14	16.31	16.55	16.23		
3	64QAM	8	0	16.11	16.39	16.39	18	0
3	64QAM	8	4	16.26	16.50	16.41		
3	64QAM	8	7	16.28	16.11	16.66		
3	64QAM	15	0	16.21	16.41	16.40		
3	256QAM	1	0	16.48	16.55	16.36	18	0
3	256QAM	1	8	16.81	16.47	16.71		
3	256QAM	1	14	16.61	16.64	16.16		
3	256QAM	8	0	16.41	16.48	16.21	18	0
3	256QAM	8	4	16.40	16.28	16.70		
3	256QAM	8	7	16.29	16.59	16.27		
3	256QAM	15	0	16.01	16.20	16.49		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	16.73	16.66	16.56	18	0
1.4	QPSK	1	3	16.73	16.62	16.53		
1.4	QPSK	1	5	16.76	16.49	16.59		
1.4	QPSK	3	0	16.22	16.25	16.49		
1.4	QPSK	3	1	16.52	16.81	16.58		
1.4	QPSK	3	3	16.47	16.38	16.43		
1.4	QPSK	6	0	16.11	16.64	16.64	18	0
1.4	16QAM	1	0	16.10	16.34	16.04	18	0
1.4	16QAM	1	3	16.18	16.28	16.08		
1.4	16QAM	1	5	16.12	16.48	16.44		
1.4	16QAM	3	0	16.50	16.30	16.48		
1.4	16QAM	3	1	16.22	16.70	16.71		
1.4	16QAM	3	3	16.40	16.73	16.54		
1.4	16QAM	6	0	16.06	16.64	16.32	18	0
1.4	64QAM	1	0	16.27	16.29	16.29	18	0
1.4	64QAM	1	3	16.17	16.04	16.19		
1.4	64QAM	1	5	16.05	16.41	16.43		
1.4	64QAM	3	0	16.28	16.47	16.48		
1.4	64QAM	3	1	16.27	16.39	16.51		
1.4	64QAM	3	3	16.20	16.33	16.51		
1.4	64QAM	6	0	16.26	16.48	16.29	18	0
1.4	256QAM	1	0	16.33	16.68	16.56	18	0
1.4	256QAM	1	3	16.73	16.78	16.86		
1.4	256QAM	1	5	16.53	16.44	16.31		
1.4	256QAM	3	0	16.20	16.69	16.15		
1.4	256QAM	3	1	16.47	16.28	16.62		
1.4	256QAM	3	3	16.19	16.49	16.38		
1.4	256QAM	6	0	16.08	16.50	16.16	18	0

Band 4_Ant 1

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.49	20.50	20.40	22	0
20	QPSK	1	49	20.47	20.20	20.35		
20	QPSK	1	99	20.35	20.34	20.06		
20	QPSK	50	0	20.37	20.30	20.23	22	0
20	QPSK	50	24	20.47	20.48	20.38		
20	QPSK	50	50	20.41	20.18	20.32		
20	QPSK	100	0	20.45	20.47	20.20		
20	16QAM	1	0	20.22	20.30	20.16	22	0
20	16QAM	1	49	20.39	20.38	20.35		
20	16QAM	1	99	20.20	20.27	20.28		
20	16QAM	50	0	20.39	20.20	20.33	22	0
20	16QAM	50	24	20.24	20.26	20.14		
20	16QAM	50	50	20.00	20.20	20.08		
20	16QAM	100	0	20.38	20.28	20.28		
20	64QAM	1	0	20.37	20.48	20.05	22	0
20	64QAM	1	49	20.07	20.49	20.17		
20	64QAM	1	99	20.07	20.44	20.14		
20	64QAM	50	0	20.45	20.46	20.27	22	0
20	64QAM	50	24	20.03	20.48	20.24		
20	64QAM	50	50	20.28	20.35	20.04		
20	64QAM	100	0	20.24	20.40	20.36		
20	256QAM	1	0	19.28	19.23	19.23	21	1
20	256QAM	1	49	19.60	19.63	19.72		
20	256QAM	1	99	19.17	19.18	19.11		
20	256QAM	50	0	19.30	19.70	19.84	21	1
20	256QAM	50	24	19.62	19.52	19.47		
20	256QAM	50	50	19.75	19.60	19.75		
20	256QAM	100	0	19.53	19.58	19.39		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.49	20.25	20.35	22	0
15	QPSK	1	37	20.43	20.15	20.34		
15	QPSK	1	74	20.31	20.27	20.02		
15	QPSK	36	0	20.28	20.07	20.10	22	0
15	QPSK	36	20	20.28	20.23	20.33		
15	QPSK	36	39	20.37	20.16	20.13		
15	QPSK	75	0	20.39	20.29	20.17		
15	16QAM	1	0	20.05	20.37	20.04	22	0
15	16QAM	1	37	20.14	20.38	20.33		
15	16QAM	1	74	20.11	20.16	20.32		
15	16QAM	36	0	20.17	20.18	20.08	22	0
15	16QAM	36	20	20.05	20.19	20.21		
15	16QAM	36	39	20.07	20.16	20.14		
15	16QAM	75	0	20.45	20.28	20.35		
15	64QAM	1	0	20.25	20.40	20.02	22	0
15	64QAM	1	37	20.07	20.42	20.04		
15	64QAM	1	74	20.01	20.16	20.01		
15	64QAM	36	0	20.26	20.23	20.29	22	0
15	64QAM	36	20	20.06	20.22	20.15		
15	64QAM	36	39	20.08	20.07	20.09		
15	64QAM	75	0	20.24	20.30	20.13		
15	256QAM	1	0	19.10	19.19	19.08	21	1
15	256QAM	1	37	19.45	19.57	19.60		
15	256QAM	1	74	19.09	19.35	19.33		
15	256QAM	36	0	19.05	19.47	19.71	21	1
15	256QAM	36	20	19.48	19.38	19.46		
15	256QAM	36	39	19.77	19.59	19.62		
15	256QAM	75	0	19.56	19.45	19.46		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.25	20.48	20.17	22	0
10	QPSK	1	25	20.42	20.08	20.37		
10	QPSK	1	49	20.07	20.10	20.09		
10	QPSK	25	0	20.16	20.36	20.24	22	0
10	QPSK	25	12	20.24	20.30	20.29		
10	QPSK	25	25	20.41	20.20	20.30		
10	QPSK	50	0	20.31	20.40	20.25		
10	16QAM	1	0	20.15	20.25	20.05	22	0
10	16QAM	1	25	20.27	20.27	20.08		
10	16QAM	1	49	20.03	20.14	20.06		
10	16QAM	25	0	20.20	20.06	20.39	22	0
10	16QAM	25	12	20.27	20.05	20.05		
10	16QAM	25	25	20.03	20.17	20.10		
10	16QAM	50	0	20.44	20.26	20.34		
10	64QAM	1	0	20.31	20.40	20.05	22	0
10	64QAM	1	25	20.07	20.28	20.20		
10	64QAM	1	49	20.09	20.28	20.01		
10	64QAM	25	0	20.21	20.20	20.21	22	0
10	64QAM	25	12	20.11	20.34	20.04		
10	64QAM	25	25	20.10	20.32	20.02		
10	64QAM	50	0	20.14	20.47	20.11		
10	256QAM	1	0	19.18	19.18	19.31	21	1
10	256QAM	1	25	19.54	19.40	19.80		
10	256QAM	1	49	19.06	19.04	19.18		
10	256QAM	25	0	19.03	19.63	19.56	21	1
10	256QAM	25	12	19.34	19.34	19.42		
10	256QAM	25	25	19.78	19.55	19.49		
10	256QAM	50	0	19.34	19.36	19.13		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.39	20.43	20.27	22	0
5	QPSK	1	12	20.43	20.03	20.37		
5	QPSK	1	24	20.38	20.15	20.03		
5	QPSK	12	0	20.09	20.30	20.20	22	0
5	QPSK	12	7	20.45	20.42	20.39		
5	QPSK	12	13	20.40	20.07	20.10		
5	QPSK	25	0	20.47	20.28	20.08		
5	16QAM	1	0	20.29	20.30	20.14	22	0
5	16QAM	1	12	20.16	20.21	20.34		
5	16QAM	1	24	20.14	20.32	20.31		
5	16QAM	12	0	20.43	20.01	20.13	22	0
5	16QAM	12	7	20.06	20.26	20.02		
5	16QAM	12	13	20.08	20.03	20.05		
5	16QAM	25	0	20.40	20.12	20.13		
5	64QAM	1	0	20.44	20.39	20.05	22	0
5	64QAM	1	12	20.00	20.40	20.01		
5	64QAM	1	24	20.04	20.46	20.08		
5	64QAM	12	0	20.44	20.35	20.31	22	0
5	64QAM	12	7	20.06	20.45	20.21		
5	64QAM	12	13	20.35	20.26	20.07		
5	64QAM	25	0	20.01	20.40	20.18		
5	256QAM	1	0	19.05	19.16	19.30	21	1
5	256QAM	1	12	19.64	19.61	19.61		
5	256QAM	1	24	19.02	19.02	19.19		
5	256QAM	12	0	19.21	19.58	19.72	21	1
5	256QAM	12	7	19.62	19.45	19.33		
5	256QAM	12	13	19.72	19.52	19.80		
5	256QAM	25	0	19.52	19.40	19.47		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.37	20.46	20.20	22	0
3	QPSK	1	8	20.37	20.06	20.21		
3	QPSK	1	14	20.28	20.31	20.00		
3	QPSK	8	0	20.11	20.18	20.09	22	0
3	QPSK	8	4	20.44	20.43	20.22		
3	QPSK	8	7	20.41	20.25	20.08		
3	QPSK	15	0	20.20	20.23	20.13		
3	16QAM	1	0	20.17	20.20	20.03	22	0
3	16QAM	1	8	20.43	20.13	20.16		
3	16QAM	1	14	20.25	20.16	20.02		
3	16QAM	8	0	20.40	20.20	20.20	22	0
3	16QAM	8	4	20.01	20.22	20.07		
3	16QAM	8	7	20.04	20.02	20.06		
3	16QAM	15	0	20.34	20.24	20.33		
3	64QAM	1	0	20.17	20.41	20.01	22	0
3	64QAM	1	8	20.00	20.40	20.02		
3	64QAM	1	14	20.06	20.22	20.12		
3	64QAM	8	0	20.37	20.34	20.18	22	0
3	64QAM	8	4	20.10	20.25	20.20		
3	64QAM	8	7	20.23	20.37	20.09		
3	64QAM	15	0	20.08	20.44	20.10		
3	256QAM	1	0	19.20	19.31	19.26	21	1
3	256QAM	1	8	19.65	19.50	19.76		
3	256QAM	1	14	19.05	19.26	19.12		
3	256QAM	8	0	19.15	19.55	19.57	21	1
3	256QAM	8	4	19.39	19.50	19.32		
3	256QAM	8	7	19.54	19.67	19.69		
3	256QAM	15	0	19.39	19.60	19.19		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.34	20.42	20.40	22	0
1.4	QPSK	1	3	20.42	20.01	20.13		
1.4	QPSK	1	5	20.14	20.28	20.10		
1.4	QPSK	3	0	20.24	20.27	20.06		
1.4	QPSK	3	1	20.45	20.42	20.19		
1.4	QPSK	3	3	20.23	20.02	20.23		
1.4	QPSK	6	0	20.35	20.46	20.18	22	0
1.4	16QAM	1	0	20.00	20.13	20.24	22	0
1.4	16QAM	1	3	20.19	20.43	20.36		
1.4	16QAM	1	5	20.00	20.18	20.29		
1.4	16QAM	3	0	20.47	20.00	20.37		
1.4	16QAM	3	1	20.19	20.05	20.04		
1.4	16QAM	3	3	20.07	20.12	20.04		
1.4	16QAM	6	0	20.12	20.02	20.24	22	0
1.4	64QAM	1	0	20.19	20.32	20.01	22	0
1.4	64QAM	1	3	20.12	20.43	20.04		
1.4	64QAM	1	5	20.01	20.38	20.17		
1.4	64QAM	3	0	20.42	20.44	20.05		
1.4	64QAM	3	1	20.07	20.32	20.25		
1.4	64QAM	3	3	20.20	20.13	20.08		
1.4	64QAM	6	0	20.30	20.45	20.22	22	0
1.4	256QAM	1	0	19.34	19.18	19.19	20	2
1.4	256QAM	1	3	19.51	19.39	19.67		
1.4	256QAM	1	5	19.14	19.02	19.10		
1.4	256QAM	3	0	19.28	19.64	19.90		
1.4	256QAM	3	1	19.48	19.35	19.44		
1.4	256QAM	3	3	19.72	19.52	19.49		
1.4	256QAM	6	0	19.46	19.55	19.17	20	2

Band 4_Ant 11

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	16.95	16.92	16.99	18	0
20	QPSK	1	49	16.63	16.83	16.87		
20	QPSK	1	99	16.63	16.88	16.86		
20	QPSK	50	0	16.63	16.63	16.78	18	0
20	QPSK	50	24	16.93	16.90	16.95		
20	QPSK	50	50	16.69	16.80	16.90		
20	QPSK	100	0	16.81	16.90	16.93		
20	16QAM	1	0	16.73	16.88	16.97	18	0
20	16QAM	1	49	16.72	16.95	16.89		
20	16QAM	1	99	16.67	16.75	16.92		
20	16QAM	50	0	16.84	16.63	16.59	18	0
20	16QAM	50	24	16.59	16.82	16.67		
20	16QAM	50	50	16.39	16.78	16.63		
20	16QAM	100	0	16.39	16.81	16.92		
20	64QAM	1	0	16.59	16.90	16.84	18	0
20	64QAM	1	49	16.86	16.80	16.91		
20	64QAM	1	99	16.68	16.94	16.92		
20	64QAM	50	0	16.95	16.54	16.47	18	0
20	64QAM	50	24	16.60	16.72	16.49		
20	64QAM	50	50	16.36	16.41	16.66		
20	64QAM	100	0	16.52	16.43	16.86		
20	256QAM	1	0	16.65	16.55	16.85	18	0
20	256QAM	1	49	16.28	16.60	16.58		
20	256QAM	1	99	16.56	16.58	16.75		
20	256QAM	50	0	16.48	16.62	16.73	18	0
20	256QAM	50	24	16.68	16.88	16.60		
20	256QAM	50	50	16.60	16.71	16.58		
20	256QAM	100	0	16.57	16.56	16.71		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	16.78	16.79	16.93	18	0
15	QPSK	1	37	16.41	16.64	16.95		
15	QPSK	1	74	16.68	16.61	16.85		
15	QPSK	36	0	16.70	16.67	16.67	18	0
15	QPSK	36	20	16.92	16.82	16.81		
15	QPSK	36	39	16.50	16.56	16.65		
15	QPSK	75	0	16.88	16.93	16.65		
15	16QAM	1	0	16.78	16.85	16.92	18	0
15	16QAM	1	37	16.54	16.75	16.90		
15	16QAM	1	74	16.49	16.75	16.74		
15	16QAM	36	0	16.60	16.66	16.66	18	0
15	16QAM	36	20	16.58	16.77	16.60		
15	16QAM	36	39	16.22	16.79	16.51		
15	16QAM	75	0	16.47	16.78	16.88		
15	64QAM	1	0	16.58	16.70	16.74	18	0
15	64QAM	1	37	16.90	16.72	16.93		
15	64QAM	1	74	16.73	16.80	16.87		
15	64QAM	36	0	16.93	16.37	16.31	18	0
15	64QAM	36	20	16.46	16.69	16.42		
15	64QAM	36	39	16.27	16.45	16.67		
15	64QAM	75	0	16.47	16.22	16.89		
15	256QAM	1	0	16.58	16.34	16.65	18	0
15	256QAM	1	37	16.18	16.40	16.63		
15	256QAM	1	74	16.59	16.37	16.54		
15	256QAM	36	0	16.46	16.60	16.74	18	0
15	256QAM	36	20	16.76	16.74	16.59		
15	256QAM	36	39	16.53	16.47	16.35		
15	256QAM	75	0	16.65	16.63	16.50		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	16.72	16.64	16.93	18	0
10	QPSK	1	25	16.44	16.55	16.60		
10	QPSK	1	49	16.51	16.67	16.62		
10	QPSK	25	0	16.52	16.67	16.80	18	0
10	QPSK	25	12	16.79	16.74	16.79		
10	QPSK	25	25	16.53	16.63	16.70		
10	QPSK	50	0	16.69	16.68	16.76		
10	16QAM	1	0	16.54	16.92	16.86	18	0
10	16QAM	1	25	16.60	16.99	16.73		
10	16QAM	1	49	16.47	16.83	16.87		
10	16QAM	25	0	16.66	16.42	16.40	18	0
10	16QAM	25	12	16.34	16.69	16.65		
10	16QAM	25	25	16.40	16.75	16.58		
10	16QAM	50	0	16.12	16.82	16.90		
10	64QAM	1	0	16.56	16.64	16.84	18	0
10	64QAM	1	25	16.61	16.61	16.74		
10	64QAM	1	49	16.70	16.82	16.74		
10	64QAM	25	0	16.85	16.34	16.47	18	0
10	64QAM	25	12	16.44	16.47	16.22		
10	64QAM	25	25	16.20	16.26	16.70		
10	64QAM	50	0	16.26	16.27	16.90		
10	256QAM	1	0	16.42	16.50	16.70	18	0
10	256QAM	1	25	16.28	16.34	16.53		
10	256QAM	1	49	16.49	16.36	16.54		
10	256QAM	25	0	16.42	16.61	16.45	18	0
10	256QAM	25	12	16.47	16.92	16.42		
10	256QAM	25	25	16.62	16.72	16.39		
10	256QAM	50	0	16.48	16.63	16.50		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	16.83	16.86	16.88	18	0
5	QPSK	1	12	16.59	16.86	16.61		
5	QPSK	1	24	16.42	16.65	16.69		
5	QPSK	12	0	16.35	16.63	16.75	18	0
5	QPSK	12	7	16.87	16.82	16.92		
5	QPSK	12	13	16.53	16.58	16.66		
5	QPSK	25	0	16.62	16.89	16.98		
5	16QAM	1	0	16.45	16.82	16.85	18	0
5	16QAM	1	12	16.69	16.69	16.73		
5	16QAM	1	24	16.63	16.47	16.92		
5	16QAM	12	0	16.65	16.70	16.45	18	0
5	16QAM	12	7	16.33	16.57	16.54		
5	16QAM	12	13	16.47	16.80	16.51		
5	16QAM	25	0	16.22	16.85	16.67		
5	64QAM	1	0	16.45	16.78	16.92	18	0
5	64QAM	1	12	16.67	16.83	16.84		
5	64QAM	1	24	16.63	16.92	16.89		
5	64QAM	12	0	16.85	16.31	16.42	18	0
5	64QAM	12	7	16.36	16.78	16.27		
5	64QAM	12	13	16.30	16.16	16.56		
5	64QAM	25	0	16.44	16.43	16.83		
5	256QAM	1	0	16.48	16.29	16.79	18	0
5	256QAM	1	12	16.06	16.41	16.60		
5	256QAM	1	24	16.58	16.50	16.63		
5	256QAM	12	0	16.30	16.40	16.49	18	0
5	256QAM	12	7	16.71	16.88	16.42		
5	256QAM	12	13	16.54	16.71	16.44		
5	256QAM	25	0	16.41	16.28	16.57		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	16.69	16.65	16.93	18	0
3	QPSK	1	8	16.67	16.88	16.59		
3	QPSK	1	14	16.54	16.80	16.74		
3	QPSK	8	0	16.39	16.41	16.53	18	0
3	QPSK	8	4	16.83	16.72	16.76		
3	QPSK	8	7	16.51	16.85	16.83		
3	QPSK	15	0	16.72	16.86	16.85		
3	16QAM	1	0	16.62	16.80	16.70	18	0
3	16QAM	1	8	16.53	16.75	16.73		
3	16QAM	1	14	16.73	16.51	16.69		
3	16QAM	8	0	16.77	16.55	16.42	18	0
3	16QAM	8	4	16.38	16.80	16.49		
3	16QAM	8	7	16.30	16.84	16.49		
3	16QAM	15	0	16.34	16.58	16.90		
3	64QAM	1	0	16.35	16.66	16.87	18	0
3	64QAM	1	8	16.88	16.87	16.94		
3	64QAM	1	14	16.71	16.85	16.69		
3	64QAM	8	0	16.75	16.38	16.23	18	0
3	64QAM	8	4	16.42	16.60	16.40		
3	64QAM	8	7	16.09	16.35	16.38		
3	64QAM	15	0	16.52	16.30	16.68		
3	256QAM	1	0	16.67	16.51	16.75	18	0
3	256QAM	1	8	16.13	16.55	16.33		
3	256QAM	1	14	16.46	16.61	16.57		
3	256QAM	8	0	16.45	16.70	16.76	18	0
3	256QAM	8	4	16.73	16.72	16.32		
3	256QAM	8	7	16.51	16.44	16.61		
3	256QAM	15	0	16.51	16.63	16.64		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	16.79	16.74	16.72	18	0
1.4	QPSK	1	3	16.43	16.87	16.69		
1.4	QPSK	1	5	16.67	16.87	16.76		
1.4	QPSK	3	0	16.49	16.38	16.54		
1.4	QPSK	3	1	16.77	16.88	16.75		
1.4	QPSK	3	3	16.69	16.53	16.85		
1.4	QPSK	6	0	16.84	16.66	16.72	18	0
1.4	16QAM	1	0	16.73	16.67	16.98	18	0
1.4	16QAM	1	3	16.56	16.81	16.73		
1.4	16QAM	1	5	16.54	16.71	16.90		
1.4	16QAM	3	0	16.58	16.49	16.59		
1.4	16QAM	3	1	16.42	16.65	16.45		
1.4	16QAM	3	3	16.27	16.80	16.40		
1.4	16QAM	6	0	16.21	16.59	16.88	18	0
1.4	64QAM	1	0	16.52	16.62	16.91	18	0
1.4	64QAM	1	3	16.94	16.76	16.77		
1.4	64QAM	1	5	16.62	16.92	16.90		
1.4	64QAM	3	0	16.92	16.61	16.62		
1.4	64QAM	3	1	16.66	16.64	16.58		
1.4	64QAM	3	3	16.42	16.47	16.55		
1.4	64QAM	6	0	16.55	16.43	16.60	18	0
1.4	256QAM	1	0	16.53	16.49	16.73	18	0
1.4	256QAM	1	3	16.06	16.61	16.52		
1.4	256QAM	1	5	16.46	16.31	16.58		
1.4	256QAM	3	0	16.52	16.42	16.53		
1.4	256QAM	3	1	16.52	16.76	16.62		
1.4	256QAM	3	3	16.45	16.57	16.41		
1.4	256QAM	6	0	16.31	16.61	16.69	18	0

Band 5_Ant 0

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	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	19.66	19.75	19.42	21	2
1.4	256QAM	1	3	20.03	20.10	19.82		
1.4	256QAM	1	5	20.05	19.89	20.00		
1.4	256QAM	3	0	19.77	19.91	19.96		
1.4	256QAM	3	1	19.85	19.84	19.93		
1.4	256QAM	3	3	19.71	20.07	19.93		
1.4	256QAM	6	0	19.80	19.86	19.88	21	2

Band 5_Ant 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	18.37	18.35	18.41	20	0
10	QPSK	1	25	18.39	18.64	18.48		
10	QPSK	1	49	18.33	18.43	18.46		
10	QPSK	25	0	18.20	18.25	18.39	20	0
10	QPSK	25	12	18.36	18.62	18.45		
10	QPSK	25	25	18.15	18.31	18.42		
10	QPSK	50	0	18.53	18.60	18.46		
10	16QAM	1	0	18.53	18.59	18.37	20	0
10	16QAM	1	25	18.34	18.56	18.55		
10	16QAM	1	49	18.44	18.48	18.47		
10	16QAM	25	0	18.34	18.36	18.47	20	0
10	16QAM	25	12	18.63	18.27	18.49		
10	16QAM	25	25	18.48	18.60	18.23		
10	16QAM	50	0	18.29	18.34	18.44		
10	64QAM	1	0	18.21	18.34	18.25	20	0
10	64QAM	1	25	18.60	18.26	18.33		
10	64QAM	1	49	18.39	18.48	18.37		
10	64QAM	25	0	18.35	18.38	18.29	20	0
10	64QAM	25	12	18.23	18.18	18.30		
10	64QAM	25	25	18.21	18.43	18.18		
10	64QAM	50	0	18.31	18.40	18.19		
10	256QAM	1	0	18.37	18.29	18.60	20	0
10	256QAM	1	25	18.19	18.27	18.21		
10	256QAM	1	49	18.36	18.29	18.51		
10	256QAM	25	0	18.48	18.15	18.39	20	0
10	256QAM	25	12	18.27	18.34	18.31		
10	256QAM	25	25	18.37	18.51	18.27		
10	256QAM	50	0	18.27	18.32	18.08		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	18.38	18.29	18.27	20	0
5	QPSK	1	12	18.17	18.58	18.30		
5	QPSK	1	24	18.34	18.46	18.32		
5	QPSK	12	0	18.08	18.27	18.18	20	0
5	QPSK	12	7	18.25	18.54	18.47		
5	QPSK	12	13	18.13	18.36	18.39		
5	QPSK	25	0	18.48	18.34	18.23		
5	16QAM	1	0	18.46	18.56	18.38	20	0
5	16QAM	1	12	18.27	18.52	18.45		
5	16QAM	1	24	18.34	18.31	18.34		
5	16QAM	12	0	18.35	18.37	18.23	20	0
5	16QAM	12	7	18.59	18.21	18.46		
5	16QAM	12	13	18.43	18.53	18.06		
5	16QAM	25	0	18.25	18.29	18.29		
5	64QAM	1	0	18.18	18.37	18.24	20	0
5	64QAM	1	12	18.51	18.01	18.16		
5	64QAM	1	24	18.20	18.51	18.30		
5	64QAM	12	0	18.11	18.29	18.34	20	0
5	64QAM	12	7	18.15	18.15	18.27		
5	64QAM	12	13	18.26	18.17	18.14		
5	64QAM	25	0	18.20	18.37	18.16		
5	256QAM	1	0	18.33	18.03	18.44	20	0
5	256QAM	1	12	18.12	18.23	18.20		
5	256QAM	1	24	18.43	18.37	18.25		
5	256QAM	12	0	18.39	18.18	18.39	20	0
5	256QAM	12	7	18.07	18.14	18.03		
5	256QAM	12	13	18.23	18.31	18.07		
5	256QAM	25	0	18.24	18.29	18.07		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	18.39	18.29	18.44	20	0
3	QPSK	1	8	18.15	18.51	18.56		
3	QPSK	1	14	18.23	18.31	18.29		
3	QPSK	8	0	18.10	18.06	18.34	20	0
3	QPSK	8	4	18.10	18.37	18.36		
3	QPSK	8	7	18.03	18.13	18.15		
3	QPSK	15	0	18.33	18.40	18.37		
3	16QAM	1	0	18.40	18.42	18.33	20	0
3	16QAM	1	8	18.33	18.57	18.46		
3	16QAM	1	14	18.18	18.48	18.25		
3	16QAM	8	0	18.11	18.30	18.54	20	0
3	16QAM	8	4	18.62	18.29	18.21		
3	16QAM	8	7	18.34	18.52	18.01		
3	16QAM	15	0	18.29	18.24	18.51		
3	64QAM	1	0	18.14	18.40	18.07	20	0
3	64QAM	1	8	18.42	18.09	18.28		
3	64QAM	1	14	18.12	18.45	18.26		
3	64QAM	8	0	18.27	18.11	18.09	20	0
3	64QAM	8	4	18.17	18.10	18.18		
3	64QAM	8	7	18.26	18.24	18.02		
3	64QAM	15	0	18.16	18.27	18.15		
3	256QAM	1	0	18.22	18.34	18.39	20	0
3	256QAM	1	8	18.16	18.24	18.12		
3	256QAM	1	14	18.27	18.18	18.26		
3	256QAM	8	0	18.44	18.12	18.26	20	0
3	256QAM	8	4	18.35	18.40	18.32		
3	256QAM	8	7	18.38	18.46	18.20		
3	256QAM	15	0	18.09	18.18	18.25		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	18.45	18.27	18.32	20	0
1.4	QPSK	1	3	18.20	18.53	18.42		
1.4	QPSK	1	5	18.12	18.38	18.37		
1.4	QPSK	3	0	18.10	18.09	18.26		
1.4	QPSK	3	1	18.20	18.41	18.36		
1.4	QPSK	3	3	18.17	18.31	18.18		
1.4	QPSK	6	0	18.40	18.37	18.39	20	0
1.4	16QAM	1	0	18.40	18.63	18.43	20	0
1.4	16QAM	1	3	18.16	18.47	18.61		
1.4	16QAM	1	5	18.45	18.30	18.39		
1.4	16QAM	3	0	18.19	18.35	18.36		
1.4	16QAM	3	1	18.57	18.00	18.32		
1.4	16QAM	3	3	18.20	18.58	18.27		
1.4	16QAM	6	0	18.16	18.16	18.29	20	0
1.4	64QAM	1	0	18.21	18.18	18.19	20	0
1.4	64QAM	1	3	18.47	18.14	18.27		
1.4	64QAM	1	5	18.12	18.48	18.15		
1.4	64QAM	3	0	18.11	18.32	18.16		
1.4	64QAM	3	1	18.02	18.26	18.04		
1.4	64QAM	3	3	18.00	18.21	18.09		
1.4	64QAM	6	0	18.26	18.39	18.11	20	0
1.4	256QAM	1	0	18.42	18.17	18.55	20	0
1.4	256QAM	1	3	18.14	18.27	18.25		
1.4	256QAM	1	5	18.24	18.05	18.32		
1.4	256QAM	3	0	18.34	18.20	18.19		
1.4	256QAM	3	1	18.26	18.30	18.10		
1.4	256QAM	3	3	18.13	18.36	18.04		
1.4	256QAM	6	0	18.27	18.25	18.05	20	0

Band 7_Ant 1

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	21.28	21.10	21.14	23	0
20	QPSK	1	49	21.27	21.07	21.13		
20	QPSK	1	99	21.31	21.12	21.15		
20	QPSK	50	0	21.25	21.05	21.06	23	0
20	QPSK	50	24	21.28	21.10	21.13		
20	QPSK	50	50	21.24	21.09	21.12		
20	QPSK	100	0	21.25	21.16	21.14		
20	16QAM	1	0	21.19	21.11	21.11	23	0
20	16QAM	1	49	21.08	21.12	21.10		
20	16QAM	1	99	21.10	21.15	21.05		
20	16QAM	50	0	21.05	21.11	21.12	23	0
20	16QAM	50	24	21.14	21.14	21.09		
20	16QAM	50	50	21.18	21.13	21.04		
20	16QAM	100	0	21.15	21.13	21.21		
20	64QAM	1	0	21.30	21.21	21.09	23	0
20	64QAM	1	49	21.21	21.25	21.22		
20	64QAM	1	99	21.27	21.24	21.21		
20	64QAM	50	0	21.08	21.09	21.15	23	0
20	64QAM	50	24	21.11	21.14	21.18		
20	64QAM	50	50	21.02	21.13	21.15		
20	64QAM	100	0	21.05	21.11	21.05		
20	256QAM	1	0	19.67	19.71	19.74	21	2
20	256QAM	1	49	19.89	19.66	19.51		
20	256QAM	1	99	19.79	19.72	19.45		
20	256QAM	50	0	19.69	19.59	19.49	21	2
20	256QAM	50	24	19.79	19.63	19.62		
20	256QAM	50	50	19.84	19.61	19.58		
20	256QAM	100	0	19.50	19.62	19.41		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.07	21.10	23	0
15	QPSK	1	37	21.16	21.02	21.17		
15	QPSK	1	74	21.30	21.04	21.07		
15	QPSK	36	0	21.30	21.09	21.07	23	0
15	QPSK	36	20	21.30	21.13	21.02		
15	QPSK	36	39	21.15	21.00	21.03		
15	QPSK	75	0	21.25	21.27	21.05		
15	16QAM	1	0	21.27	21.12	21.01	23	0
15	16QAM	1	37	21.01	21.22	21.08		
15	16QAM	1	74	21.07	21.11	21.16		
15	16QAM	36	0	21.09	21.05	21.07	23	0
15	16QAM	36	20	21.05	21.16	21.10		
15	16QAM	36	39	21.19	21.17	21.11		
15	16QAM	75	0	21.05	21.17	21.18		
15	64QAM	1	0	21.28	21.06	21.03	23	0
15	64QAM	1	37	21.23	21.26	21.30		
15	64QAM	1	74	21.22	21.16	21.05		
15	64QAM	36	0	21.26	21.00	21.27	23	0
15	64QAM	36	20	21.10	21.12	21.26		
15	64QAM	36	39	21.07	21.16	21.24		
15	64QAM	75	0	21.06	21.11	21.13		
15	256QAM	1	0	19.53	19.81	19.77	21	2
15	256QAM	1	37	19.95	19.57	19.50		
15	256QAM	1	74	19.74	19.77	19.49		
15	256QAM	36	0	19.64	19.76	19.58	21	2
15	256QAM	36	20	19.93	19.48	19.77		
15	256QAM	36	39	19.92	19.48	19.70		
15	256QAM	75	0	19.32	19.53	19.37		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.26	21.06	21.21	23	0
10	QPSK	1	25	21.25	21.03	21.07		
10	QPSK	1	49	21.22	21.21	21.06		
10	QPSK	25	0	21.09	21.00	21.03	23	0
10	QPSK	25	12	21.14	21.18	21.24		
10	QPSK	25	25	21.12	21.06	21.08		
10	QPSK	50	0	21.30	21.03	21.15		
10	16QAM	1	0	21.25	21.08	21.14	23	0
10	16QAM	1	25	21.10	21.05	21.05		
10	16QAM	1	49	21.21	21.11	21.12		
10	16QAM	25	0	21.17	21.11	21.00	23	0
10	16QAM	25	12	21.22	21.25	21.22		
10	16QAM	25	25	21.20	21.13	21.07		
10	16QAM	50	0	21.19	21.11	21.03		
10	64QAM	1	0	21.26	21.29	21.26	23	0
10	64QAM	1	25	21.22	21.30	21.26		
10	64QAM	1	49	21.14	21.25	21.23		
10	64QAM	25	0	21.09	21.05	21.07	23	0
10	64QAM	25	12	21.14	21.24	21.27		
10	64QAM	25	25	21.13	21.03	21.08		
10	64QAM	50	0	21.16	21.27	21.05		
10	256QAM	1	0	19.79	19.71	19.63	21	2
10	256QAM	1	25	19.96	19.80	19.38		
10	256QAM	1	49	19.84	19.69	19.41		
10	256QAM	25	0	19.64	19.49	19.49	21	2
10	256QAM	25	12	19.69	19.54	19.76		
10	256QAM	25	25	19.93	19.55	19.65		
10	256QAM	50	0	19.62	19.47	19.26		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.30	21.18	21.09	23	0
5	QPSK	1	12	21.24	21.08	21.09		
5	QPSK	1	24	21.21	21.09	21.05		
5	QPSK	12	0	21.29	21.03	21.13	23	0
5	QPSK	12	7	21.24	21.27	21.07		
5	QPSK	12	13	21.20	21.08	21.08		
5	QPSK	25	0	21.30	21.11	21.16		
5	16QAM	1	0	21.14	21.05	21.10	23	0
5	16QAM	1	12	21.00	21.16	21.18		
5	16QAM	1	24	21.10	21.11	21.00		
5	16QAM	12	0	21.15	21.04	21.00	23	0
5	16QAM	12	7	21.00	21.30	21.21		
5	16QAM	12	13	21.16	21.22	21.07		
5	16QAM	25	0	21.09	21.11	21.08		
5	64QAM	1	0	21.22	21.20	21.24	23	0
5	64QAM	1	12	21.28	21.20	21.06		
5	64QAM	1	24	21.30	21.25	21.06		
5	64QAM	12	0	21.22	21.12	21.15	23	0
5	64QAM	12	7	21.15	21.23	21.02		
5	64QAM	12	13	21.14	21.02	21.01		
5	64QAM	25	0	21.09	21.22	21.22		
5	256QAM	1	0	19.83	19.73	19.73	21	2
5	256QAM	1	12	19.80	19.82	19.34		
5	256QAM	1	24	19.92	19.54	19.32		
5	256QAM	12	0	19.62	19.71	19.67	21	2
5	256QAM	12	7	19.92	19.73	19.78		
5	256QAM	12	13	19.79	19.67	19.46		
5	256QAM	25	0	19.49	19.46	19.52		

0.1

Band 7_Ant 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	14.52	14.15	14.33	16	0
20	QPSK	1	49	14.27	14.24	14.42		
20	QPSK	1	99	14.65	14.29	14.59		
20	QPSK	50	0	14.32	14.40	14.26	16	0
20	QPSK	50	24	14.63	14.51	14.55		
20	QPSK	50	50	14.50	14.25	14.38		
20	QPSK	100	0	14.62	14.26	14.28		
20	16QAM	1	0	14.29	14.42	14.25	16	0
20	16QAM	1	49	14.50	14.38	14.37		
20	16QAM	1	99	14.34	14.36	14.13		
20	16QAM	50	0	14.17	14.25	14.39	16	0
20	16QAM	50	24	14.50	14.07	14.20		
20	16QAM	50	50	14.29	14.60	14.17		
20	16QAM	100	0	14.59	14.21	14.47		
20	64QAM	1	0	14.45	14.55	14.49	16	0
20	64QAM	1	49	14.25	14.57	14.18		
20	64QAM	1	99	14.54	14.47	14.60		
20	64QAM	50	0	14.28	14.37	14.36	16	0
20	64QAM	50	24	14.40	14.16	14.42		
20	64QAM	50	50	14.29	14.08	14.52		
20	64QAM	100	0	14.33	14.32	14.24		
20	256QAM	1	0	14.24	14.50	14.17	16	0
20	256QAM	1	49	14.38	14.44	14.42		
20	256QAM	1	99	14.40	14.35	14.15		
20	256QAM	50	0	14.36	14.01	14.47	16	0
20	256QAM	50	24	14.51	14.38	14.25		
20	256QAM	50	50	14.58	14.31	14.26		
20	256QAM	100	0	14.29	14.32	14.03		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	14.55	14.33	14.33	16	0
15	QPSK	1	37	14.54	14.17	14.55		
15	QPSK	1	74	14.47	14.43	14.35		
15	QPSK	36	0	14.46	14.32	14.42	16	0
15	QPSK	36	20	14.53	14.41	14.25		
15	QPSK	36	39	14.35	14.17	14.20		
15	QPSK	75	0	14.64	14.20	14.57		
15	16QAM	1	0	14.18	14.25	14.29	16	0
15	16QAM	1	37	14.46	14.56	14.53		
15	16QAM	1	74	14.18	14.37	14.21		
15	16QAM	36	0	14.05	14.40	14.56	16	0
15	16QAM	36	20	14.40	14.10	14.18		
15	16QAM	36	39	14.27	14.34	14.05		
15	16QAM	75	0	14.54	14.15	14.41		
15	64QAM	1	0	14.50	14.26	14.43	16	0
15	64QAM	1	37	14.49	14.45	14.09		
15	64QAM	1	74	14.47	14.55	14.59		
15	64QAM	36	0	14.40	14.16	14.39	16	0
15	64QAM	36	20	14.23	14.34	14.55		
15	64QAM	36	39	14.42	14.22	14.64		
15	64QAM	75	0	14.32	14.27	14.34		
15	256QAM	1	0	14.32	14.47	14.30	16	0
15	256QAM	1	37	14.57	14.51	14.34		
15	256QAM	1	74	14.21	14.52	14.07		
15	256QAM	36	0	14.45	14.05	14.46	16	0
15	256QAM	36	20	14.53	14.59	14.46		
15	256QAM	36	39	14.51	14.05	14.51		
15	256QAM	75	0	14.35	14.51	14.07		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	14.39	14.30	14.23	16	0
10	QPSK	1	25	14.24	14.12	14.27		
10	QPSK	1	49	14.46	14.33	14.48		
10	QPSK	25	0	14.36	14.52	14.29	16	0
10	QPSK	25	12	14.50	14.32	14.40		
10	QPSK	25	25	14.47	14.25	14.35		
10	QPSK	50	0	14.47	14.34	14.41		
10	16QAM	1	0	14.39	14.24	14.26	16	0
10	16QAM	1	25	14.19	14.25	14.39		
10	16QAM	1	49	14.50	14.52	14.29		
10	16QAM	25	0	14.05	14.32	14.40	16	0
10	16QAM	25	12	14.50	14.05	14.02		
10	16QAM	25	25	14.45	14.56	14.18		
10	16QAM	50	0	14.60	14.34	14.32		
10	64QAM	1	0	14.47	14.50	14.39	16	0
10	64QAM	1	25	14.25	14.45	14.33		
10	64QAM	1	49	14.59	14.55	14.42		
10	64QAM	25	0	14.23	14.20	14.37	16	0
10	64QAM	25	12	14.18	14.26	14.45		
10	64QAM	25	25	14.24	14.06	14.44		
10	64QAM	50	0	14.47	14.39	14.06		
10	256QAM	1	0	14.29	14.62	14.24	16	0
10	256QAM	1	25	14.39	14.16	14.29		
10	256QAM	1	49	14.40	14.54	14.08		
10	256QAM	25	0	14.43	14.19	14.30	16	0
10	256QAM	25	12	14.52	14.60	14.26		
10	256QAM	25	25	14.60	14.26	14.29		
10	256QAM	50	0	14.27	14.51	14.34		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	14.46	14.11	14.28	16	0
5	QPSK	1	12	14.42	14.23	14.47		
5	QPSK	1	24	14.64	14.32	14.61		
5	QPSK	12	0	14.54	14.41	14.35	16	0
5	QPSK	12	7	14.45	14.59	14.34		
5	QPSK	12	13	14.54	14.32	14.31		
5	QPSK	25	0	14.48	14.25	14.34		
5	16QAM	1	0	14.37	14.39	14.29	16	0
5	16QAM	1	12	14.46	14.29	14.37		
5	16QAM	1	24	14.37	14.39	14.27		
5	16QAM	12	0	14.07	14.24	14.25	16	0
5	16QAM	12	7	14.28	14.15	14.17		
5	16QAM	12	13	14.36	14.38	14.06		
5	16QAM	25	0	14.29	14.12	14.23		
5	64QAM	1	0	14.40	14.22	14.36	16	0
5	64QAM	1	12	14.20	14.46	14.34		
5	64QAM	1	24	14.38	14.26	14.64		
5	64QAM	12	0	14.22	14.20	14.46	16	0
5	64QAM	12	7	14.34	14.05	14.43		
5	64QAM	12	13	14.36	14.21	14.63		
5	64QAM	25	0	14.25	14.14	14.15		
5	256QAM	1	0	14.51	14.33	14.16	16	0
5	256QAM	1	12	14.60	14.46	14.39		
5	256QAM	1	24	14.25	14.42	14.05		
5	256QAM	12	0	14.20	14.19	14.44	16	0
5	256QAM	12	7	14.61	14.45	14.29		
5	256QAM	12	13	14.59	14.07	14.50		
5	256QAM	25	0	14.15	14.48	14.14		

Band 12_Ant 0

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.24	19.38	19.17	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 12_Ant 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	19.72	19.87	19.69	21.5	0
10	QPSK	1	25	19.71	20.00	19.83		
10	QPSK	1	49	19.99	20.02	20.00		
10	QPSK	25	0	19.80	19.96	19.79	21.5	0
10	QPSK	25	12	19.95	20.00	19.98		
10	QPSK	25	25	19.91	19.87	19.76		
10	QPSK	50	0	19.92	19.97	19.95		
10	16QAM	1	0	19.68	19.95	19.69	21.5	0
10	16QAM	1	25	19.67	19.92	19.92		
10	16QAM	1	49	19.73	19.97	19.71		
10	16QAM	25	0	19.57	19.81	19.50	21.5	0
10	16QAM	25	12	19.79	19.85	19.67		
10	16QAM	25	25	19.81	19.80	19.79		
10	16QAM	50	0	19.74	19.81	19.92		
10	64QAM	1	0	19.69	19.78	19.93	21.5	0
10	64QAM	1	25	19.59	19.95	19.77		
10	64QAM	1	49	19.78	19.89	19.60		
10	64QAM	25	0	19.97	19.79	19.54	21.5	0
10	64QAM	25	12	19.82	19.82	19.70		
10	64QAM	25	25	19.78	19.88	19.80		
10	64QAM	50	0	19.52	19.65	19.77		
10	256QAM	1	0	19.22	19.03	19.26	21	0.5
10	256QAM	1	25	19.26	19.37	19.13		
10	256QAM	1	49	19.47	19.20	19.21		
10	256QAM	25	0	19.15	19.21	19.42	21	0.5
10	256QAM	25	12	19.44	19.42	19.67		
10	256QAM	25	25	19.64	19.36	19.29		
10	256QAM	50	0	19.47	19.37	19.58		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	19.72	19.79	19.68	21.5	0
5	QPSK	1	12	19.62	19.79	19.59		
5	QPSK	1	24	20.00	19.55	19.90		
5	QPSK	12	0	19.86	19.78	19.86	21.5	0
5	QPSK	12	7	19.96	19.85	19.61		
5	QPSK	12	13	19.69	19.68	19.84		
5	QPSK	25	0	19.60	19.84	19.88		
5	16QAM	1	0	19.64	19.96	19.59	21.5	0
5	16QAM	1	12	19.58	19.87	19.90		
5	16QAM	1	24	19.56	19.95	19.75		
5	16QAM	12	0	19.50	19.56	19.59	21.5	0
5	16QAM	12	7	19.66	19.84	19.56		
5	16QAM	12	13	19.83	19.70	19.68		
5	16QAM	25	0	19.62	19.57	19.69		
5	64QAM	1	0	19.56	19.69	19.99	21.5	0
5	64QAM	1	12	19.51	20.00	19.71		
5	64QAM	1	24	19.58	19.61	19.66		
5	64QAM	12	0	19.93	19.55	19.51	21.5	0
5	64QAM	12	7	19.90	19.59	19.75		
5	64QAM	12	13	19.63	19.73	19.65		
5	64QAM	25	0	19.54	19.57	19.61		
5	256QAM	1	0	19.08	19.08	19.12	21	0.5
5	256QAM	1	12	19.24	19.34	19.02		
5	256QAM	1	24	19.45	19.16	19.04		
5	256QAM	12	0	19.11	19.16	19.38	21	0.5
5	256QAM	12	7	19.27	19.38	19.45		
5	256QAM	12	13	19.39	19.13	19.04		
5	256QAM	25	0	19.24	19.30	19.57		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	19.71	19.75	19.61	21.5	0
3	QPSK	1	8	19.78	19.74	19.86		
3	QPSK	1	14	19.94	19.76	19.77		
3	QPSK	8	0	19.58	19.81	19.63	21.5	0
3	QPSK	8	4	19.88	19.66	19.70		
3	QPSK	8	7	19.67	19.80	19.75		
3	QPSK	15	0	19.61	19.74	19.66		
3	16QAM	1	0	19.58	19.85	19.52	21.5	0
3	16QAM	1	8	19.53	19.77	19.75		
3	16QAM	1	14	19.57	19.95	19.65		
3	16QAM	8	0	19.54	19.65	19.56	21.5	0
3	16QAM	8	4	19.85	19.85	19.67		
3	16QAM	8	7	19.72	19.87	19.67		
3	16QAM	15	0	19.71	19.53	19.83		
3	64QAM	1	0	19.72	19.52	19.80	21.5	0
3	64QAM	1	8	19.63	19.87	19.63		
3	64QAM	1	14	19.68	19.91	19.63		
3	64QAM	8	0	19.82	19.85	19.60	21.5	0
3	64QAM	8	4	19.56	19.59	19.58		
3	64QAM	8	7	19.86	19.73	19.59		
3	64QAM	15	0	19.57	19.63	19.58		
3	256QAM	1	0	19.22	19.18	19.21	21	0.5
3	256QAM	1	8	19.34	19.25	19.09		
3	256QAM	1	14	19.51	19.02	19.22		
3	256QAM	8	0	19.23	19.23	19.18	21	0.5
3	256QAM	8	4	19.36	19.40	19.58		
3	256QAM	8	7	19.56	19.25	19.09		
3	256QAM	15	0	19.37	19.40	19.33		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	19.78	19.82	19.63	21.5	0
1.4	QPSK	1	3	19.52	20.00	19.76		
1.4	QPSK	1	5	19.71	19.79	19.78		
1.4	QPSK	3	0	19.75	19.94	19.61		
1.4	QPSK	3	1	19.82	19.54	19.84		
1.4	QPSK	3	3	19.85	19.79	19.57		
1.4	QPSK	6	0	19.66	19.84	19.66	21.5	0
1.4	16QAM	1	0	19.57	19.80	19.77	21.5	0
1.4	16QAM	1	3	19.58	19.93	19.94		
1.4	16QAM	1	5	19.66	19.84	19.54		
1.4	16QAM	3	0	19.56	19.85	19.57		
1.4	16QAM	3	1	19.67	19.86	19.55		
1.4	16QAM	3	3	19.61	19.52	19.77		
1.4	16QAM	6	0	19.55	19.69	19.82	21.5	0
1.4	64QAM	1	0	19.59	19.80	19.94	21.5	0
1.4	64QAM	1	3	19.50	20.00	19.64		
1.4	64QAM	1	5	19.74	19.65	19.65		
1.4	64QAM	3	0	20.00	19.65	19.58		
1.4	64QAM	3	1	19.65	19.66	19.75		
1.4	64QAM	3	3	19.66	19.91	19.66		
1.4	64QAM	6	0	19.55	19.69	19.83	21.5	0
1.4	256QAM	1	0	19.19	19.15	19.09	21	0.5
1.4	256QAM	1	3	19.30	19.38	19.05		
1.4	256QAM	1	5	19.37	19.18	19.25		
1.4	256QAM	3	0	19.03	19.03	19.46		
1.4	256QAM	3	1	19.21	19.26	19.76		
1.4	256QAM	3	3	19.22	19.23	19.22		
1.4	256QAM	6	0	19.33	19.13	19.42	21	0.5

Band 13_Ant 0

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)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 13_Ant 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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 30_Ant 1

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			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 30_Ant 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					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		14.15		15.5	0
10	QPSK	1	25		13.99			
10	QPSK	1	49		15.02			
10	QPSK	25	0		14.37		15.5	0
10	QPSK	25	12		14.03			
10	QPSK	25	25		14.62			
10	QPSK	50	0		14.57			
10	16QAM	1	0		14.57		15.5	0
10	16QAM	1	25		14.28			
10	16QAM	1	49		14.75			
10	16QAM	25	0		14.50		15.5	0
10	16QAM	25	12		14.02			
10	16QAM	25	25		14.57			
10	16QAM	50	0		14.23			
10	64QAM	1	0		14.92		15.5	0
10	64QAM	1	25		14.15			
10	64QAM	1	49		14.61			
10	64QAM	25	0		14.12		15.5	0
10	64QAM	25	12		14.01			
10	64QAM	25	25		14.68			
10	64QAM	50	0		14.47			
10	256QAM	1	0		14.92		15.5	0
10	256QAM	1	25		14.57			
10	256QAM	1	49		15.00			
10	256QAM	25	0		14.21		15.5	0
10	256QAM	25	12		14.05			
10	256QAM	25	25		14.90			
10	256QAM	50	0		14.76			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	14.51	14.34	13.85	15.5	0
5	QPSK	1	12	14.27	14.06	14.70		
5	QPSK	1	24	14.08	14.65	14.73		
5	QPSK	12	0	14.39	14.04	14.28	15.5	0
5	QPSK	12	7	14.52	14.10	14.67		
5	QPSK	12	13	13.96	14.41	14.72		
5	QPSK	25	0	14.30	14.08	14.39		
5	16QAM	1	0	14.49	14.48	13.75	15.5	0
5	16QAM	1	12	13.93	14.08	14.61		
5	16QAM	1	24	13.77	14.84	14.57		
5	16QAM	12	0	14.32	14.26	14.03	15.5	0
5	16QAM	12	7	13.79	14.28	14.79		
5	16QAM	12	13	14.25	14.25	14.68		
5	16QAM	25	0	14.32	14.02	14.55		
5	64QAM	1	0	14.28	14.58	13.73	15.5	0
5	64QAM	1	12	14.09	14.40	14.62		
5	64QAM	1	24	14.07	14.03	14.71		
5	64QAM	12	0	14.33	14.24	14.08	15.5	0
5	64QAM	12	7	14.44	13.93	14.37		
5	64QAM	12	13	14.08	13.97	14.68		
5	64QAM	25	0	13.96	14.10	14.35		
5	256QAM	1	0	14.55	14.45	14.19	15.5	0
5	256QAM	1	12	14.49	14.35	14.67		
5	256QAM	1	24	14.93	14.65	14.72		
5	256QAM	12	0	14.25	14.04	14.13	15.5	0
5	256QAM	12	7	13.99	14.49	14.25		
5	256QAM	12	13	14.07	14.50	14.51		
5	256QAM	25	0	14.26	14.53	14.08		

Band 66_Ant 1

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	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 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				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	20.30	20.50	20.52	22	0
20	QPSK	1	49	20.28	20.45	20.41		
20	QPSK	1	99	20.11	20.38	20.36		
20	QPSK	50	0	20.27	20.31	20.43	22	0
20	QPSK	50	24	20.28	20.32	20.50		
20	QPSK	50	50	20.19	20.25	20.36		
20	QPSK	100	0	20.17	20.34	20.49		
20	16QAM	1	0	20.34	20.36	20.10	22	0
20	16QAM	1	49	20.22	20.20	20.45		
20	16QAM	1	99	20.41	20.33	20.19		
20	16QAM	50	0	20.12	20.15	20.30	22	0
20	16QAM	50	24	20.31	20.33	20.18		
20	16QAM	50	50	20.45	20.34	20.36		
20	16QAM	100	0	20.22	20.18	20.40		
20	64QAM	1	0	20.18	20.35	20.14	22	0
20	64QAM	1	49	20.10	20.13	20.29		
20	64QAM	1	99	20.37	20.20	20.23		
20	64QAM	50	0	20.36	20.19	20.18	22	0
20	64QAM	50	24	20.33	20.15	20.10		
20	64QAM	50	50	20.48	20.43	20.21		
20	64QAM	100	0	20.14	20.32	20.13		
20	256QAM	1	0	19.40	19.35	19.29	21	1
20	256QAM	1	49	19.30	19.45	19.53		
20	256QAM	1	99	19.36	19.21	19.12		
20	256QAM	50	0	19.35	19.29	19.14	21	1
20	256QAM	50	24	19.16	19.24	19.42		
20	256QAM	50	50	19.24	19.24	19.24		
20	256QAM	100	0	19.23	19.42	19.31		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.35	20.37	20.34	22	0
15	QPSK	1	37	20.28	20.25	20.28		
15	QPSK	1	74	20.00	20.13	20.37		
15	QPSK	36	0	20.09	20.22	20.24	22	0
15	QPSK	36	20	20.25	20.06	20.48		
15	QPSK	36	39	20.26	20.31	20.41		
15	QPSK	75	0	20.00	20.36	20.34		
15	16QAM	1	0	20.37	20.28	20.04	22	0
15	16QAM	1	37	20.04	20.09	20.51		
15	16QAM	1	74	20.38	20.25	20.18		
15	16QAM	36	0	20.02	20.22	20.02	22	0
15	16QAM	36	20	20.28	20.30	20.26		
15	16QAM	36	39	20.30	20.39	20.26		
15	16QAM	75	0	20.10	20.24	20.44		
15	64QAM	1	0	20.11	20.10	20.20	22	0
15	64QAM	1	37	20.02	20.09	20.23		
15	64QAM	1	74	20.37	20.05	20.07		
15	64QAM	36	0	20.10	20.00	20.19	22	0
15	64QAM	36	20	20.51	20.08	20.14		
15	64QAM	36	39	20.22	20.31	20.02		
15	64QAM	75	0	20.09	20.16	20.13		
15	256QAM	1	0	19.41	19.10	19.10	21	1
15	256QAM	1	37	19.08	19.52	19.52		
15	256QAM	1	74	19.17	19.22	19.20		
15	256QAM	36	0	19.26	19.11	19.11	21	1
15	256QAM	36	20	19.07	19.06	19.43		
15	256QAM	36	39	19.06	19.11	19.08		
15	256QAM	75	0	19.17	19.39	19.09		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.29	20.34	20.33	22	0
10	QPSK	1	25	20.20	20.34	20.40		
10	QPSK	1	49	20.01	20.34	20.21		
10	QPSK	25	0	20.13	20.22	20.44	22	0
10	QPSK	25	12	20.27	20.05	20.25		
10	QPSK	25	25	20.13	20.09	20.27		
10	QPSK	50	0	20.12	20.32	20.39		
10	16QAM	1	0	20.14	20.21	20.04	22	0
10	16QAM	1	25	20.06	20.06	20.35		
10	16QAM	1	49	20.37	20.19	20.24		
10	16QAM	25	0	20.16	20.14	20.13	22	0
10	16QAM	25	12	20.12	20.37	20.17		
10	16QAM	25	25	20.34	20.37	20.09		
10	16QAM	50	0	20.07	20.13	20.33		
10	64QAM	1	0	20.07	20.13	20.04	22	0
10	64QAM	1	25	20.07	20.01	20.33		
10	64QAM	1	49	20.26	20.02	20.10		
10	64QAM	25	0	20.23	20.05	20.16	22	0
10	64QAM	25	12	20.45	20.04	20.17		
10	64QAM	25	25	20.50	20.43	20.05		
10	64QAM	50	0	20.03	20.33	20.04		
10	256QAM	1	0	19.36	19.07	19.15	21	1
10	256QAM	1	25	19.21	19.28	19.46		
10	256QAM	1	49	19.20	19.11	19.02		
10	256QAM	25	0	19.39	19.11	19.15	21	1
10	256QAM	25	12	19.00	19.32	19.47		
10	256QAM	25	25	19.06	19.27	19.09		
10	256QAM	50	0	19.03	19.27	19.25		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.32	20.35	20.50	22	0
5	QPSK	1	12	20.11	20.38	20.16		
5	QPSK	1	24	20.08	20.30	20.36		
5	QPSK	12	0	20.17	20.32	20.41	22	0
5	QPSK	12	7	20.11	20.14	20.31		
5	QPSK	12	13	20.23	20.03	20.09		
5	QPSK	25	0	20.06	20.17	20.41		
5	16QAM	1	0	20.31	20.44	20.11	22	0
5	16QAM	1	12	20.20	20.08	20.38		
5	16QAM	1	24	20.39	20.39	20.15		
5	16QAM	12	0	20.04	20.06	20.22	22	0
5	16QAM	12	7	20.37	20.35	20.23		
5	16QAM	12	13	20.21	20.48	20.20		
5	16QAM	25	0	20.09	20.05	20.46		
5	64QAM	1	0	20.18	20.12	20.07	22	0
5	64QAM	1	12	20.04	20.06	20.04		
5	64QAM	1	24	20.17	20.03	20.20		
5	64QAM	12	0	20.26	20.05	20.11	22	0
5	64QAM	12	7	20.46	20.04	20.00		
5	64QAM	12	13	20.32	20.50	20.17		
5	64QAM	25	0	20.08	20.20	20.20		
5	256QAM	1	0	19.25	19.11	19.35	21	1
5	256QAM	1	12	19.25	19.52	19.52		
5	256QAM	1	24	19.22	19.06	19.01		
5	256QAM	12	0	19.08	19.28	19.03	21	1
5	256QAM	12	7	19.05	19.30	19.39		
5	256QAM	12	13	19.08	19.11	19.07		
5	256QAM	25	0	19.06	19.22	19.29		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.15	20.37	20.22	22	0
3	QPSK	1	8	20.15	20.37	20.41		
3	QPSK	1	14	20.05	20.32	20.42		
3	QPSK	8	0	20.05	20.13	20.27	22	0
3	QPSK	8	4	20.26	20.04	20.21		
3	QPSK	8	7	20.05	20.00	20.33		
3	QPSK	15	0	20.06	20.30	20.43		
3	16QAM	1	0	20.12	20.17	20.03	22	0
3	16QAM	1	8	20.15	20.11	20.46		
3	16QAM	1	14	20.20	20.19	20.06		
3	16QAM	8	0	20.04	20.07	20.03	22	0
3	16QAM	8	4	20.31	20.49	20.02		
3	16QAM	8	7	20.31	20.36	20.25		
3	16QAM	15	0	20.10	20.03	20.36		
3	64QAM	1	0	20.21	20.43	20.09	22	0
3	64QAM	1	8	20.00	20.21	20.11		
3	64QAM	1	14	20.35	20.18	20.21		
3	64QAM	8	0	20.44	20.07	20.19	22	0
3	64QAM	8	4	20.40	20.03	20.10		
3	64QAM	8	7	20.20	20.30	20.29		
3	64QAM	15	0	20.01	20.36	20.11		
3	256QAM	1	0	19.34	19.14	19.22	21	1
3	256QAM	1	8	19.14	19.26	19.60		
3	256QAM	1	14	19.18	19.25	19.03		
3	256QAM	8	0	19.09	19.31	19.22	21	1
3	256QAM	8	4	19.03	19.08	19.34		
3	256QAM	8	7	19.03	19.27	19.23		
3	256QAM	15	0	19.13	19.23	19.27		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.02	20.38	20.34	22	0
1.4	QPSK	1	3	20.02	20.38	20.27		
1.4	QPSK	1	5	20.01	20.14	20.13		
1.4	QPSK	3	0	20.08	20.28	20.27		
1.4	QPSK	3	1	20.11	20.27	20.21		
1.4	QPSK	3	3	20.21	20.24	20.31		
1.4	QPSK	6	0	20.25	20.26	20.36	22	0
1.4	16QAM	1	0	20.42	20.13	20.15	22	0
1.4	16QAM	1	3	20.29	20.02	20.30		
1.4	16QAM	1	5	20.44	20.32	20.13		
1.4	16QAM	3	0	20.01	20.01	20.12		
1.4	16QAM	3	1	20.12	20.37	20.10		
1.4	16QAM	3	3	20.19	20.39	20.35		
1.4	16QAM	6	0	20.13	20.19	20.37	22	0
1.4	64QAM	1	0	20.24	20.10	20.11	22	0
1.4	64QAM	1	3	20.17	20.18	20.12		
1.4	64QAM	1	5	20.45	20.00	20.00		
1.4	64QAM	3	0	20.34	20.18	20.23		
1.4	64QAM	3	1	20.40	20.20	20.02		
1.4	64QAM	3	3	20.21	20.30	20.18		
1.4	64QAM	6	0	20.17	20.40	20.05	22	0
1.4	256QAM	1	0	19.19	19.20	19.25	20	2
1.4	256QAM	1	3	19.04	19.32	19.35		
1.4	256QAM	1	5	19.39	19.00	18.87		
1.4	256QAM	3	0	19.24	19.25	18.91		
1.4	256QAM	3	1	19.23	19.10	19.16		
1.4	256QAM	3	3	19.13	19.06	19.30		
1.4	256QAM	6	0	19.09	19.14	19.28	20	2

0.1

Band 66_Ant 11

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	16.66	16.82	17.00	18	0
20	QPSK	1	49	16.60	16.77	16.94		
20	QPSK	1	99	16.58	16.41	16.71		
20	QPSK	50	0	16.48	16.64	16.76	18	0
20	QPSK	50	24	16.63	16.80	16.97		
20	QPSK	50	50	16.62	16.57	16.78		
20	QPSK	100	0	16.77	16.63	16.95		
20	16QAM	1	0	16.98	16.84	16.78	18	0
20	16QAM	1	49	16.69	16.61	16.99		
20	16QAM	1	99	16.73	16.79	16.70		
20	16QAM	50	0	16.94	16.85	16.86	18	0
20	16QAM	50	24	16.70	16.75	16.70		
20	16QAM	50	50	16.71	16.90	16.66		
20	16QAM	100	0	16.54	16.81	16.55		
20	64QAM	1	0	16.82	16.80	16.83	18	0
20	64QAM	1	49	16.90	16.91	16.60		
20	64QAM	1	99	16.75	16.70	16.77		
20	64QAM	50	0	16.64	16.57	16.31	18	0
20	64QAM	50	24	16.45	16.20	16.39		
20	64QAM	50	50	16.14	16.44	16.35		
20	64QAM	100	0	16.47	16.46	16.23		
20	256QAM	1	0	16.47	16.71	16.87	18	0
20	256QAM	1	49	16.65	16.75	16.76		
20	256QAM	1	99	16.38	16.50	16.45		
20	256QAM	50	0	16.72	16.83	16.71	18	0
20	256QAM	50	24	16.86	16.70	16.79		
20	256QAM	50	50	16.85	16.63	16.60		
20	256QAM	100	0	16.46	16.59	16.58		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	16.43	16.90	16.90	18	0
15	QPSK	1	37	16.42	16.68	16.78		
15	QPSK	1	74	16.45	16.32	16.56		
15	QPSK	36	0	16.45	16.69	16.63	18	0
15	QPSK	36	20	16.63	16.88	17.00		
15	QPSK	36	39	16.55	16.34	16.68		
15	QPSK	75	0	16.73	16.66	16.84		
15	16QAM	1	0	16.70	16.61	16.76	18	0
15	16QAM	1	37	16.42	16.46	16.94		
15	16QAM	1	74	16.75	16.56	16.70		
15	16QAM	36	0	16.85	16.78	16.62	18	0
15	16QAM	36	20	16.65	16.48	16.72		
15	16QAM	36	39	16.65	16.85	16.74		
15	16QAM	75	0	16.43	16.65	16.41		
15	64QAM	1	0	16.66	16.72	16.77	18	0
15	64QAM	1	37	16.65	16.94	16.60		
15	64QAM	1	74	16.49	16.50	16.56		
15	64QAM	36	0	16.72	16.64	16.12	18	0
15	64QAM	36	20	16.35	16.24	16.16		
15	64QAM	36	39	16.31	16.18	16.10		
15	64QAM	75	0	16.53	16.26	16.20		
15	256QAM	1	0	16.35	16.71	16.66	18	0
15	256QAM	1	37	16.41	16.50	16.60		
15	256QAM	1	74	16.16	16.52	16.22		
15	256QAM	36	0	16.59	16.60	16.64	18	0
15	256QAM	36	20	16.91	16.77	16.70		
15	256QAM	36	39	16.80	16.37	16.34		
15	256QAM	75	0	16.34	16.39	16.34		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	16.41	16.63	16.81	18	0
10	QPSK	1	25	16.45	16.53	16.66		
10	QPSK	1	49	16.39	16.14	16.79		
10	QPSK	25	0	16.25	16.46	16.57	18	0
10	QPSK	25	12	16.65	16.57	16.89		
10	QPSK	25	25	16.34	16.37	16.78		
10	QPSK	50	0	16.71	16.38	16.90		
10	16QAM	1	0	16.87	16.86	16.64	18	0
10	16QAM	1	25	16.70	16.54	16.98		
10	16QAM	1	49	16.62	16.70	16.72		
10	16QAM	25	0	16.98	16.88	16.87	18	0
10	16QAM	25	12	16.50	16.48	16.77		
10	16QAM	25	25	16.46	16.77	16.62		
10	16QAM	50	0	16.40	16.63	16.55		
10	64QAM	1	0	16.78	16.74	16.82	18	0
10	64QAM	1	25	16.78	16.75	16.54		
10	64QAM	1	49	16.79	16.58	16.76		
10	64QAM	25	0	16.49	16.44	16.19	18	0
10	64QAM	25	12	16.30	16.24	16.20		
10	64QAM	25	25	16.18	16.19	16.14		
10	64QAM	50	0	16.42	16.29	16.22		
10	256QAM	1	0	16.42	16.70	16.84	18	0
10	256QAM	1	25	16.49	16.58	16.66		
10	256QAM	1	49	16.28	16.23	16.46		
10	256QAM	25	0	16.55	16.77	16.50	18	0
10	256QAM	25	12	16.77	16.61	16.69		
10	256QAM	25	25	16.91	16.49	16.54		
10	256QAM	50	0	16.28	16.62	16.63		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	16.63	16.55	16.98	18	0
5	QPSK	1	12	16.64	16.51	16.78		
5	QPSK	1	24	16.46	16.18	16.74		
5	QPSK	12	0	16.54	16.57	16.63	18	0
5	QPSK	12	7	16.57	16.87	16.92		
5	QPSK	12	13	16.45	16.31	16.67		
5	QPSK	25	0	16.70	16.69	16.94		
5	16QAM	1	0	16.73	16.56	16.85	18	0
5	16QAM	1	12	16.55	16.69	16.88		
5	16QAM	1	24	16.45	16.54	16.42		
5	16QAM	12	0	16.98	16.83	16.66	18	0
5	16QAM	12	7	16.73	16.65	16.74		
5	16QAM	12	13	16.78	16.90	16.59		
5	16QAM	25	0	16.55	16.80	16.44		
5	64QAM	1	0	16.66	16.68	16.80	18	0
5	64QAM	1	12	16.91	16.82	16.65		
5	64QAM	1	24	16.80	16.69	16.84		
5	64QAM	12	0	16.58	16.58	16.09	18	0
5	64QAM	12	7	16.27	16.04	16.18		
5	64QAM	12	13	16.05	16.25	16.34		
5	64QAM	25	0	16.27	16.38	16.10		
5	256QAM	1	0	16.41	16.70	16.59	18	0
5	256QAM	1	12	16.39	16.82	16.71		
5	256QAM	1	24	16.21	16.48	16.47		
5	256QAM	12	0	16.57	16.71	16.57	18	0
5	256QAM	12	7	16.62	16.50	16.64		
5	256QAM	12	13	16.62	16.49	16.55		
5	256QAM	25	0	16.18	16.58	16.51		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	16.59	16.61	16.76	18	0
3	QPSK	1	8	16.45	16.68	16.95		
3	QPSK	1	14	16.39	16.44	16.48		
3	QPSK	8	0	16.42	16.71	16.55	18	0
3	QPSK	8	4	16.67	16.75	16.98		
3	QPSK	8	7	16.37	16.53	16.52		
3	QPSK	15	0	16.76	16.69	16.72		
3	16QAM	1	0	16.85	16.64	16.71	18	0
3	16QAM	1	8	16.62	16.35	16.72		
3	16QAM	1	14	16.57	16.70	16.47		
3	16QAM	8	0	16.99	16.91	16.72	18	0
3	16QAM	8	4	16.55	16.48	16.61		
3	16QAM	8	7	16.51	16.81	16.41		
3	16QAM	15	0	16.62	16.62	16.49		
3	64QAM	1	0	16.63	16.82	16.72	18	0
3	64QAM	1	8	16.95	16.88	16.58		
3	64QAM	1	14	16.65	16.58	16.74		
3	64QAM	8	0	16.66	16.35	16.33	18	0
3	64QAM	8	4	16.20	16.11	16.20		
3	64QAM	8	7	16.26	16.25	16.17		
3	64QAM	15	0	16.38	16.44	16.05		
3	256QAM	1	0	16.42	16.64	16.62	18	0
3	256QAM	1	8	16.63	16.62	16.76		
3	256QAM	1	14	16.13	16.46	16.48		
3	256QAM	8	0	16.80	16.91	16.60	18	0
3	256QAM	8	4	16.58	16.66	16.61		
3	256QAM	8	7	16.77	16.37	16.54		
3	256QAM	15	0	16.49	16.63	16.59		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	16.47	16.85	16.95	18	0
1.4	QPSK	1	3	16.64	16.76	16.99		
1.4	QPSK	1	5	16.41	16.25	16.47		
1.4	QPSK	3	0	16.32	16.49	16.53		
1.4	QPSK	3	1	16.50	16.84	16.89		
1.4	QPSK	3	3	16.56	16.42	16.83		
1.4	QPSK	6	0	16.50	16.52	16.99	18	0
1.4	16QAM	1	0	16.87	16.61	16.80	18	0
1.4	16QAM	1	3	16.72	16.38	16.84		
1.4	16QAM	1	5	16.45	16.55	16.56		
1.4	16QAM	3	0	16.94	16.77	16.69		
1.4	16QAM	3	1	16.60	16.48	16.53		
1.4	16QAM	3	3	16.57	16.90	16.56		
1.4	16QAM	6	0	16.61	16.56	16.31	18	0
1.4	64QAM	1	0	16.63	16.69	16.64	18	0
1.4	64QAM	1	3	16.85	16.89	16.32		
1.4	64QAM	1	5	16.47	16.58	16.58		
1.4	64QAM	3	0	16.59	16.44	16.20		
1.4	64QAM	3	1	16.37	16.15	16.13		
1.4	64QAM	3	3	16.15	16.21	16.16		
1.4	64QAM	6	0	16.30	16.35	16.24	18	0
1.4	256QAM	1	0	16.27	16.71	16.61	18	0
1.4	256QAM	1	3	16.42	16.82	16.51		
1.4	256QAM	1	5	16.30	16.56	16.44		
1.4	256QAM	3	0	16.61	16.85	16.70		
1.4	256QAM	3	1	16.65	16.73	16.84		
1.4	256QAM	3	3	16.81	16.62	16.34		
1.4	256QAM	6	0	16.23	16.39	16.60	18	0

Inter-Band CA for State 12

Band 2_Ant 1

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	20.19	20.34	20.34	22	0
20	QPSK	1	49	20.44	20.56	20.35		
20	QPSK	1	99	20.37	20.28	20.12		
20	QPSK	50	0	20.40	20.28	20.31	22	0
20	QPSK	50	24	20.42	20.54	20.32		
20	QPSK	50	50	20.28	20.34	20.24		
20	QPSK	100	0	20.29	20.52	20.30		
20	16QAM	1	0	20.27	20.46	20.26	22	0
20	16QAM	1	49	20.54	20.38	20.21		
20	16QAM	1	99	20.54	20.34	20.30		
20	16QAM	50	0	20.08	20.38	20.53	22	0
20	16QAM	50	24	20.28	20.31	20.36		
20	16QAM	50	50	20.19	20.53	20.43		
20	16QAM	100	0	20.36	20.55	20.48		
20	64QAM	1	0	20.34	20.42	20.02	22	0
20	64QAM	1	49	20.24	20.26	20.25		
20	64QAM	1	99	20.17	20.50	20.28		
20	64QAM	50	0	20.30	20.39	20.25	22	0
20	64QAM	50	24	20.39	20.38	20.12		
20	64QAM	50	50	20.24	20.34	20.34		
20	64QAM	100	0	20.20	20.30	20.50		
20	256QAM	1	0	19.39	19.45	19.31	21	1
20	256QAM	1	49	19.54	19.62	19.26		
20	256QAM	1	99	19.04	19.48	19.21		
20	256QAM	50	0	19.71	20.03	19.84	21	1
20	256QAM	50	24	19.74	19.72	19.64		
20	256QAM	50	50	19.90	19.70	19.67		
20	256QAM	100	0	19.62	19.81	19.57		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.27	20.41	20.10	22	0
15	QPSK	1	37	20.31	20.30	20.21		
15	QPSK	1	74	20.23	20.14	20.09		
15	QPSK	36	0	20.21	20.36	20.03	22	0
15	QPSK	36	20	20.16	20.26	20.06		
15	QPSK	36	39	20.29	20.07	20.13		
15	QPSK	75	0	20.12	20.44	20.35		
15	16QAM	1	0	20.03	20.28	20.02	22	0
15	16QAM	1	37	20.29	20.16	20.14		
15	16QAM	1	74	20.52	20.07	20.20		
15	16QAM	36	0	20.08	20.18	20.50	22	0
15	16QAM	36	20	20.01	20.03	20.19		
15	16QAM	36	39	20.09	20.50	20.21		
15	16QAM	75	0	20.32	20.44	20.39		
15	64QAM	1	0	20.10	20.32	20.07	22	0
15	64QAM	1	37	20.05	20.12	20.07		
15	64QAM	1	74	20.06	20.50	20.14		
15	64QAM	36	0	20.30	20.43	20.24	22	0
15	64QAM	36	20	20.32	20.36	20.20		
15	64QAM	36	39	20.01	20.07	20.21		
15	64QAM	75	0	20.13	20.17	20.45		
15	256QAM	1	0	19.47	19.45	19.38	21	1
15	256QAM	1	37	19.58	19.63	19.11		
15	256QAM	1	74	19.00	19.56	19.01		
15	256QAM	36	0	19.59	19.97	19.68	21	1
15	256QAM	36	20	19.47	19.54	19.48		
15	256QAM	36	39	19.78	19.70	19.45		
15	256QAM	75	0	19.36	19.82	19.59		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.08	20.09	20.15	22	0
10	QPSK	1	25	20.21	20.46	20.38		
10	QPSK	1	49	20.28	20.04	20.03		
10	QPSK	25	0	20.13	20.24	20.19	22	0
10	QPSK	25	12	20.47	20.32	20.15		
10	QPSK	25	25	20.05	20.40	20.05		
10	QPSK	50	0	20.15	20.37	20.11		
10	16QAM	1	0	20.14	20.18	20.24	22	0
10	16QAM	1	25	20.52	20.17	20.09		
10	16QAM	1	49	20.51	20.39	20.03		
10	16QAM	25	0	20.15	20.20	20.55	22	0
10	16QAM	25	12	20.08	20.23	20.14		
10	16QAM	25	25	20.04	20.52	20.35		
10	16QAM	50	0	20.44	20.32	20.38		
10	64QAM	1	0	20.07	20.39	20.03	22	0
10	64QAM	1	25	20.25	20.02	20.09		
10	64QAM	1	49	20.21	20.36	20.15		
10	64QAM	25	0	20.06	20.47	20.14	22	0
10	64QAM	25	12	20.24	20.22	20.01		
10	64QAM	25	25	20.07	20.12	20.30		
10	64QAM	50	0	20.08	20.08	20.46		
10	256QAM	1	0	19.18	19.34	19.39	21	1
10	256QAM	1	25	19.26	19.66	19.11		
10	256QAM	1	49	19.12	19.39	19.18		
10	256QAM	25	0	19.64	19.91	19.79	21	1
10	256QAM	25	12	19.80	19.69	19.47		
10	256QAM	25	25	19.85	19.60	19.62		
10	256QAM	50	0	19.53	19.68	19.48		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.07	20.19	20.40	22	0
5	QPSK	1	12	20.31	20.52	20.36		
5	QPSK	1	24	20.18	20.31	20.06		
5	QPSK	12	0	20.16	20.32	20.18	22	0
5	QPSK	12	7	20.47	20.49	20.35		
5	QPSK	12	13	20.01	20.13	20.24		
5	QPSK	25	0	20.31	20.28	20.38		
5	16QAM	1	0	20.33	20.28	20.01	22	0
5	16QAM	1	12	20.51	20.41	20.08		
5	16QAM	1	24	20.48	20.09	20.09		
5	16QAM	12	0	20.14	20.15	20.38	22	0
5	16QAM	12	7	20.09	20.14	20.29		
5	16QAM	12	13	20.12	20.55	20.37		
5	16QAM	25	0	20.09	20.27	20.44		
5	64QAM	1	0	20.36	20.30	20.08	22	0
5	64QAM	1	12	20.09	20.30	20.07		
5	64QAM	1	24	20.07	20.39	20.26		
5	64QAM	12	0	20.33	20.21	20.26	22	0
5	64QAM	12	7	20.19	20.39	20.04		
5	64QAM	12	13	20.10	20.17	20.36		
5	64QAM	25	0	20.05	20.30	20.32		
5	256QAM	1	0	19.30	19.34	19.30	21	1
5	256QAM	1	12	19.29	19.68	19.01		
5	256QAM	1	24	19.12	19.55	19.08		
5	256QAM	12	0	19.49	19.93	19.71	21	1
5	256QAM	12	7	19.74	19.74	19.62		
5	256QAM	12	13	19.66	19.42	19.70		
5	256QAM	25	0	19.37	19.77	19.34		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.00	20.12	20.41	22	0
3	QPSK	1	8	20.28	20.36	20.34		
3	QPSK	1	14	20.27	20.24	20.15		
3	QPSK	8	0	20.25	20.24	20.16	22	0
3	QPSK	8	4	20.34	20.41	20.27		
3	QPSK	8	7	20.31	20.17	20.02		
3	QPSK	15	0	20.09	20.30	20.14		
3	16QAM	1	0	20.07	20.54	20.05	22	0
3	16QAM	1	8	20.48	20.39	20.14		
3	16QAM	1	14	20.53	20.31	20.03		
3	16QAM	8	0	20.09	20.42	20.33	22	0
3	16QAM	8	4	20.35	20.15	20.09		
3	16QAM	8	7	20.03	20.45	20.25		
3	16QAM	15	0	20.09	20.45	20.38		
3	64QAM	1	0	20.22	20.48	20.05	22	0
3	64QAM	1	8	20.19	20.06	20.29		
3	64QAM	1	14	20.05	20.38	20.28		
3	64QAM	8	0	20.15	20.12	20.20	22	0
3	64QAM	8	4	20.31	20.34	20.05		
3	64QAM	8	7	20.13	20.06	20.23		
3	64QAM	15	0	20.07	20.27	20.22		
3	256QAM	1	0	19.30	19.43	19.17	21	1
3	256QAM	1	8	19.59	19.59	19.08		
3	256QAM	1	14	19.06	19.35	19.09		
3	256QAM	8	0	19.49	19.76	19.69	21	1
3	256QAM	8	4	19.53	19.62	19.50		
3	256QAM	8	7	19.87	19.46	19.61		
3	256QAM	15	0	19.58	19.84	19.32		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.10	20.25	20.36	22	0
1.4	QPSK	1	3	20.16	20.52	20.18		
1.4	QPSK	1	5	20.33	20.19	20.12		
1.4	QPSK	3	0	20.47	20.24	20.14		
1.4	QPSK	3	1	20.29	20.52	20.09		
1.4	QPSK	3	3	20.25	20.28	20.06		
1.4	QPSK	6	0	20.04	20.34	20.16	22	0
1.4	16QAM	1	0	20.24	20.51	20.03	22	0
1.4	16QAM	1	3	20.51	20.13	20.10		
1.4	16QAM	1	5	20.50	20.13	20.10		
1.4	16QAM	3	0	20.16	20.38	20.38		
1.4	16QAM	3	1	20.20	20.24	20.08		
1.4	16QAM	3	3	20.14	20.32	20.25		
1.4	16QAM	6	0	20.20	20.54	20.54	22	0
1.4	64QAM	1	0	20.13	20.35	20.09	22	0
1.4	64QAM	1	3	20.07	20.34	20.00		
1.4	64QAM	1	5	20.09	20.54	20.00		
1.4	64QAM	3	0	20.04	20.25	20.19		
1.4	64QAM	3	1	20.33	20.39	20.02		
1.4	64QAM	3	3	20.14	20.18	20.42		
1.4	64QAM	6	0	20.03	20.20	20.43	22	0
1.4	256QAM	1	0	19.22	19.37	19.37	21	1
1.4	256QAM	1	3	19.53	19.40	19.26		
1.4	256QAM	1	5	19.04	19.23	19.16		
1.4	256QAM	3	0	19.72	19.82	19.86		
1.4	256QAM	3	1	19.78	19.79	19.48		
1.4	256QAM	3	3	19.78	19.59	19.39		
1.4	256QAM	6	0	19.43	19.86	19.48	21	1

0.1

Band 2_Ant 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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

1

Band 2_Ant 11

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	20.27	20.25	20.21	21.5	0
20	QPSK	1	49	20.33	20.35	20.23		
20	QPSK	1	99	20.31	20.25	20.22		
20	QPSK	50	0	20.15	19.98	20.08	21.5	0
20	QPSK	50	24	20.30	20.33	20.20		
20	QPSK	50	50	19.97	20.13	20.01		
20	QPSK	100	0	20.01	20.28	20.16		
20	16QAM	1	0	19.90	19.85	19.62	21.5	0
20	16QAM	1	49	19.81	19.85	19.78		
20	16QAM	1	99	19.62	19.86	19.85		
20	16QAM	50	0	20.04	20.16	20.22	21.5	0
20	16QAM	50	24	20.01	20.15	20.01		
20	16QAM	50	50	20.06	20.18	20.09		
20	16QAM	100	0	19.94	20.09	19.81		
20	64QAM	1	0	19.71	19.87	19.73	21.5	0
20	64QAM	1	49	19.52	19.75	19.67		
20	64QAM	1	99	19.79	19.88	19.82		
20	64QAM	50	0	19.81	20.02	19.85	21.5	0
20	64QAM	50	24	19.82	20.03	19.97		
20	64QAM	50	50	19.78	20.03	20.02		
20	64QAM	100	0	19.99	20.02	19.86		
20	256QAM	1	0	18.11	18.27	18.29	19.5	2
20	256QAM	1	49	18.41	18.37	18.45		
20	256QAM	1	99	18.20	18.31	18.06		
20	256QAM	50	0	17.91	18.13	17.91	19.5	2
20	256QAM	50	24	18.13	18.12	18.16		
20	256QAM	50	50	18.01	18.15	18.11		
20	256QAM	100	0	17.89	18.11	18.17		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.23	20.03	20.27	21.5	0
15	QPSK	1	37	20.07	20.23	20.04		
15	QPSK	1	74	20.03	20.10	20.02		
15	QPSK	36	0	20.15	19.78	20.14	21.5	0
15	QPSK	36	20	20.08	20.29	20.17		
15	QPSK	36	39	20.04	20.09	19.86		
15	QPSK	75	0	19.82	20.11	19.96		
15	16QAM	1	0	19.88	19.81	19.62	21.5	0
15	16QAM	1	37	19.63	19.89	19.74		
15	16QAM	1	74	19.59	19.87	19.69		
15	16QAM	36	0	19.96	20.22	20.05	21.5	0
15	16QAM	36	20	20.04	20.22	19.84		
15	16QAM	36	39	20.03	20.16	19.98		
15	16QAM	75	0	19.95	19.88	19.59		
15	64QAM	1	0	19.79	19.67	19.50	21.5	0
15	64QAM	1	37	19.70	19.55	19.54		
15	64QAM	1	74	19.58	19.89	19.68		
15	64QAM	36	0	19.72	20.10	19.66	21.5	0
15	64QAM	36	20	19.56	19.99	19.97		
15	64QAM	36	39	19.82	19.98	19.93		
15	64QAM	75	0	19.83	19.86	19.79		
15	256QAM	1	0	17.89	18.05	18.19	19.5	2
15	256QAM	1	37	18.49	18.35	18.23		
15	256QAM	1	74	17.97	18.18	17.98		
15	256QAM	36	0	17.77	17.87	17.95	19.5	2
15	256QAM	36	20	18.12	17.99	17.90		
15	256QAM	36	39	18.04	17.96	17.84		
15	256QAM	75	0	17.89	18.16	18.06		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.04	20.00	20.27	21.5	0
10	QPSK	1	25	20.24	20.17	20.23		
10	QPSK	1	49	20.32	20.22	19.94		
10	QPSK	25	0	19.87	19.88	19.98	21.5	0
10	QPSK	25	12	20.19	20.06	19.96		
10	QPSK	25	25	19.98	20.08	20.00		
10	QPSK	50	0	20.05	20.11	20.09		
10	16QAM	1	0	19.82	19.91	19.53	21.5	0
10	16QAM	1	25	19.61	19.70	19.67		
10	16QAM	1	49	19.60	19.64	19.82		
10	16QAM	25	0	19.86	20.05	20.19	21.5	0
10	16QAM	25	12	19.83	20.02	20.03		
10	16QAM	25	25	19.88	20.02	19.96		
10	16QAM	50	0	19.79	20.13	19.73		
10	64QAM	1	0	19.50	19.89	19.76	21.5	0
10	64QAM	1	25	19.51	19.79	19.65		
10	64QAM	1	49	19.75	19.83	19.59		
10	64QAM	25	0	19.67	20.09	19.70	21.5	0
10	64QAM	25	12	19.65	19.79	19.73		
10	64QAM	25	25	19.73	19.84	19.74		
10	64QAM	50	0	20.05	20.09	19.86		
10	256QAM	1	0	18.01	18.25	18.32	19.5	2
10	256QAM	1	25	18.32	18.25	18.38		
10	256QAM	1	49	17.97	18.32	17.82		
10	256QAM	25	0	17.77	17.92	17.89	19.5	2
10	256QAM	25	12	17.87	17.88	17.93		
10	256QAM	25	25	17.77	18.19	17.88		
10	256QAM	50	0	17.70	17.87	17.94		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.06	20.12	20.12	21.5	0
5	QPSK	1	12	20.32	20.09	20.30		
5	QPSK	1	24	20.32	20.06	20.25		
5	QPSK	12	0	19.87	19.99	20.11	21.5	0
5	QPSK	12	7	20.06	20.23	19.97		
5	QPSK	12	13	19.90	20.05	20.05		
5	QPSK	25	0	19.90	20.08	19.89		
5	16QAM	1	0	19.69	19.78	19.65	21.5	0
5	16QAM	1	12	19.66	19.70	19.52		
5	16QAM	1	24	19.52	19.84	19.76		
5	16QAM	12	0	20.10	20.14	19.99	21.5	0
5	16QAM	12	7	19.86	20.22	19.95		
5	16QAM	12	13	19.97	20.09	19.88		
5	16QAM	25	0	19.97	19.89	19.66		
5	64QAM	1	0	19.57	19.81	19.56	21.5	0
5	64QAM	1	12	19.55	19.80	19.69		
5	64QAM	1	24	19.76	19.68	19.57		
5	64QAM	12	0	19.88	19.91	19.80	21.5	0
5	64QAM	12	7	19.78	20.11	20.01		
5	64QAM	12	13	19.59	20.11	19.91		
5	64QAM	25	0	19.86	20.01	19.81		
5	256QAM	1	0	18.04	18.19	18.29	19.5	2
5	256QAM	1	12	18.34	18.23	18.42		
5	256QAM	1	24	18.05	18.30	18.06		
5	256QAM	12	0	17.94	18.05	17.65	19.5	2
5	256QAM	12	7	18.06	17.90	18.07		
5	256QAM	12	13	17.98	18.23	17.96		
5	256QAM	25	0	17.76	18.15	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.34	20.05	20.10	21.5	0
3	QPSK	1	8	20.18	20.11	20.23		
3	QPSK	1	14	20.30	20.09	20.03		
3	QPSK	8	0	20.00	19.75	20.11	21.5	0
3	QPSK	8	4	20.28	20.09	20.12		
3	QPSK	8	7	20.03	20.08	19.87		
3	QPSK	15	0	19.89	20.27	19.93		
3	16QAM	1	0	19.77	19.91	19.62	21.5	0
3	16QAM	1	8	19.74	19.83	19.70		
3	16QAM	1	14	19.54	19.58	19.71		
3	16QAM	8	0	20.06	19.92	20.19	21.5	0
3	16QAM	8	4	19.78	19.94	19.96		
3	16QAM	8	7	19.80	20.13	20.04		
3	16QAM	15	0	19.88	20.07	19.69		
3	64QAM	1	0	19.64	19.66	19.58	21.5	0
3	64QAM	1	8	19.54	19.54	19.55		
3	64QAM	1	14	19.71	19.77	19.54		
3	64QAM	8	0	19.75	19.86	19.75	21.5	0
3	64QAM	8	4	19.56	19.96	19.95		
3	64QAM	8	7	19.76	20.11	19.88		
3	64QAM	15	0	19.74	19.87	19.88		
3	256QAM	1	0	18.03	18.29	18.15	19.5	2
3	256QAM	1	8	18.31	18.24	18.26		
3	256QAM	1	14	18.17	18.32	17.93		
3	256QAM	8	0	17.73	17.98	17.65	19.5	2
3	256QAM	8	4	18.01	18.05	17.96		
3	256QAM	8	7	17.86	18.06	18.18		
3	256QAM	15	0	17.82	17.94	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.35	20.17	20.24	21.5	0
1.4	QPSK	1	3	20.13	20.21	20.31		
1.4	QPSK	1	5	20.03	20.05	20.30		
1.4	QPSK	3	0	20.20	20.02	20.10		
1.4	QPSK	3	1	20.14	20.29	19.99		
1.4	QPSK	3	3	19.86	20.13	19.76		
1.4	QPSK	6	0	20.02	20.17	20.03	21.5	0
1.4	16QAM	1	0	19.66	19.77	19.63	21.5	0
1.4	16QAM	1	3	19.61	19.62	19.73		
1.4	16QAM	1	5	19.54	19.66	19.75		
1.4	16QAM	3	0	20.03	19.89	20.10		
1.4	16QAM	3	1	19.88	20.07	19.85		
1.4	16QAM	3	3	19.94	20.13	20.01		
1.4	16QAM	6	0	19.94	19.98	19.75	21.5	0
1.4	64QAM	1	0	19.68	19.81	19.59	21.5	0
1.4	64QAM	1	3	19.58	19.75	19.57		
1.4	64QAM	1	5	19.55	19.71	19.85		
1.4	64QAM	3	0	19.59	19.80	19.85		
1.4	64QAM	3	1	19.63	19.84	19.77		
1.4	64QAM	3	3	19.67	19.93	19.86		
1.4	64QAM	6	0	20.02	19.82	19.79	21.5	0
1.4	256QAM	1	0	17.84	17.99	18.10	19.5	2
1.4	256QAM	1	3	18.16	18.11	18.19		
1.4	256QAM	1	5	18.15	18.26	17.79		
1.4	256QAM	3	0	17.88	17.90	17.85		
1.4	256QAM	3	1	18.04	17.87	18.05		
1.4	256QAM	3	3	17.83	17.88	17.95		
1.4	256QAM	6	0	17.97	17.88	18.23	19.5	2

Band 4_Ant 1

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 11

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.27	20.32	20.42	21.5	0
20	QPSK	1	49	20.21	20.19	20.31		
20	QPSK	1	99	20.19	20.21	20.28		
20	QPSK	50	0	20.18	20.26	20.30	21.5	0
20	QPSK	50	24	20.25	20.31	20.41		
20	QPSK	50	50	20.14	20.23	20.34		
20	QPSK	100	0	20.28	20.26	20.41		
20	16QAM	1	0	20.36	20.37	20.41	21.5	0
20	16QAM	1	49	20.20	20.33	20.27		
20	16QAM	1	99	20.34	20.36	20.35		
20	16QAM	50	0	20.29	20.26	20.08	21.5	0
20	16QAM	50	24	20.05	20.33	20.19		
20	16QAM	50	50	20.02	20.23	20.08		
20	16QAM	100	0	20.05	20.27	20.29		
20	64QAM	1	0	20.19	20.40	20.40	21.5	0
20	64QAM	1	49	20.34	20.38	20.38		
20	64QAM	1	99	20.32	20.41	20.26		
20	64QAM	50	0	19.93	19.89	19.93	21.5	0
20	64QAM	50	24	19.67	19.81	19.80		
20	64QAM	50	50	19.63	19.82	19.74		
20	64QAM	100	0	19.53	19.78	19.65		
20	256QAM	1	0	17.78	17.78	17.79	19.5	2
20	256QAM	1	49	17.53	17.81	17.58		
20	256QAM	1	99	17.57	17.73	17.77		
20	256QAM	50	0	17.68	17.76	17.74	19.5	2
20	256QAM	50	24	17.78	17.81	17.54		
20	256QAM	50	50	17.80	17.73	17.68		
20	256QAM	100	0	17.66	17.82	17.87		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.06	20.07	20.41	21.5	0
15	QPSK	1	37	20.15	20.04	20.16		
15	QPSK	1	74	20.23	19.97	20.36		
15	QPSK	36	0	20.12	20.00	20.17	21.5	0
15	QPSK	36	20	20.15	20.22	20.28		
15	QPSK	36	39	19.96	19.95	20.42		
15	QPSK	75	0	20.07	20.16	20.30		
15	16QAM	1	0	20.19	20.33	20.34	21.5	0
15	16QAM	1	37	20.22	20.26	20.18		
15	16QAM	1	74	20.11	20.10	20.26		
15	16QAM	36	0	20.20	20.30	20.08	21.5	0
15	16QAM	36	20	20.01	20.29	19.98		
15	16QAM	36	39	20.03	19.97	19.83		
15	16QAM	75	0	20.01	20.31	20.01		
15	64QAM	1	0	20.26	20.16	20.12	21.5	0
15	64QAM	1	37	20.42	20.32	20.34		
15	64QAM	1	74	20.04	20.31	20.00		
15	64QAM	36	0	19.81	19.89	19.87	21.5	0
15	64QAM	36	20	19.53	19.63	19.68		
15	64QAM	36	39	19.64	19.73	19.64		
15	64QAM	75	0	19.55	19.55	19.59		
15	256QAM	1	0	17.80	17.62	17.62	19.5	2
15	256QAM	1	37	17.60	17.89	17.59		
15	256QAM	1	74	17.50	17.50	17.59		
15	256QAM	36	0	17.67	17.83	17.60	19.5	2
15	256QAM	36	20	17.64	17.83	17.50		
15	256QAM	36	39	17.62	17.74	17.59		
15	256QAM	75	0	17.67	17.65	17.76		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.09	20.15	20.38	21.5	0
10	QPSK	1	25	20.29	20.08	20.26		
10	QPSK	1	49	19.98	19.98	20.07		
10	QPSK	25	0	19.98	20.34	20.03	21.5	0
10	QPSK	25	12	20.24	20.16	20.16		
10	QPSK	25	25	20.03	20.22	20.09		
10	QPSK	50	0	20.17	20.09	20.34		
10	16QAM	1	0	20.36	20.32	20.38	21.5	0
10	16QAM	1	25	20.23	20.09	20.11		
10	16QAM	1	49	20.34	20.37	20.24		
10	16QAM	25	0	20.14	20.03	20.12	21.5	0
10	16QAM	25	12	19.89	20.30	20.20		
10	16QAM	25	25	19.77	20.30	20.03		
10	16QAM	50	0	19.96	20.09	20.21		
10	64QAM	1	0	20.21	20.36	20.22	21.5	0
10	64QAM	1	25	20.14	20.26	20.14		
10	64QAM	1	49	20.06	20.41	20.06		
10	64QAM	25	0	19.69	19.81	19.86	21.5	0
10	64QAM	25	12	19.74	19.81	19.77		
10	64QAM	25	25	19.55	19.58	19.66		
10	64QAM	50	0	19.59	19.64	19.67		
10	256QAM	1	0	17.54	17.72	17.71	19.5	2
10	256QAM	1	25	17.59	17.88	17.54		
10	256QAM	1	49	17.63	17.64	17.71		
10	256QAM	25	0	17.59	17.58	17.61	19.5	2
10	256QAM	25	12	17.50	17.79	17.59		
10	256QAM	25	25	17.57	17.55	17.70		
10	256QAM	50	0	17.66	17.87	17.69		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.26	20.23	20.41	21.5	0
5	QPSK	1	12	20.21	20.12	20.33		
5	QPSK	1	24	20.26	20.24	20.24		
5	QPSK	12	0	20.00	20.07	20.04	21.5	0
5	QPSK	12	7	20.21	20.04	20.34		
5	QPSK	12	13	20.20	20.05	20.24		
5	QPSK	25	0	20.32	20.19	20.18		
5	16QAM	1	0	20.41	20.34	20.14	21.5	0
5	16QAM	1	12	20.26	20.32	20.19		
5	16QAM	1	24	20.15	20.09	20.22		
5	16QAM	12	0	20.15	20.26	20.03	21.5	0
5	16QAM	12	7	19.83	20.07	19.96		
5	16QAM	12	13	19.76	20.08	20.08		
5	16QAM	25	0	19.78	20.06	20.23		
5	64QAM	1	0	20.18	20.20	20.29	21.5	0
5	64QAM	1	12	20.27	20.41	20.20		
5	64QAM	1	24	20.06	20.27	20.13		
5	64QAM	12	0	19.88	19.76	19.71	21.5	0
5	64QAM	12	7	19.70	19.71	19.60		
5	64QAM	12	13	19.64	19.78	19.65		
5	64QAM	25	0	19.52	19.59	19.66		
5	256QAM	1	0	17.80	17.67	17.81	19.5	2
5	256QAM	1	12	17.57	17.54	17.56		
5	256QAM	1	24	17.62	17.59	17.63		
5	256QAM	12	0	17.55	17.69	17.59	19.5	2
5	256QAM	12	7	17.67	17.67	17.52		
5	256QAM	12	13	17.74	17.50	17.67		
5	256QAM	25	0	17.54	17.58	17.88		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.01	20.17	20.21	21.5	0
3	QPSK	1	8	19.93	20.22	20.16		
3	QPSK	1	14	20.03	20.20	20.01		
3	QPSK	8	0	20.21	20.09	20.16	21.5	0
3	QPSK	8	4	20.26	20.23	20.40		
3	QPSK	8	7	19.88	20.01	20.35		
3	QPSK	15	0	20.21	19.98	20.39		
3	16QAM	1	0	20.13	20.13	20.34	21.5	0
3	16QAM	1	8	19.95	20.08	20.09		
3	16QAM	1	14	20.27	20.42	20.40		
3	16QAM	8	0	20.15	20.13	20.07	21.5	0
3	16QAM	8	4	20.07	20.17	20.11		
3	16QAM	8	7	20.03	20.09	20.14		
3	16QAM	15	0	19.83	20.10	20.08		
3	64QAM	1	0	19.91	20.31	20.38	21.5	0
3	64QAM	1	8	20.17	20.23	20.27		
3	64QAM	1	14	20.34	20.40	20.17		
3	64QAM	8	0	19.69	19.84	19.79	21.5	0
3	64QAM	8	4	19.68	19.71	19.70		
3	64QAM	8	7	19.64	19.56	19.71		
3	64QAM	15	0	19.51	19.54	19.66		
3	256QAM	1	0	17.75	17.64	17.64	19.5	2
3	256QAM	1	8	17.50	17.78	17.55		
3	256QAM	1	14	17.53	17.52	17.71		
3	256QAM	8	0	17.74	17.83	17.57	19.5	2
3	256QAM	8	4	17.81	17.77	17.59		
3	256QAM	8	7	17.54	17.70	17.58		
3	256QAM	15	0	17.66	17.82	17.72		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.14	20.28	20.30	21.5	0
1.4	QPSK	1	3	20.29	20.10	20.16		
1.4	QPSK	1	5	20.12	20.20	20.18		
1.4	QPSK	3	0	19.95	20.18	20.11		
1.4	QPSK	3	1	20.29	20.37	20.17		
1.4	QPSK	3	3	20.13	20.26	20.31		
1.4	QPSK	6	0	20.30	20.06	20.40	21.5	0
1.4	16QAM	1	0	20.42	20.21	20.29	21.5	0
1.4	16QAM	1	3	19.97	20.17	20.04		
1.4	16QAM	1	5	20.24	20.24	20.14		
1.4	16QAM	3	0	20.31	20.33	19.84		
1.4	16QAM	3	1	19.84	20.24	20.26		
1.4	16QAM	3	3	19.87	20.18	19.94		
1.4	16QAM	6	0	19.81	20.05	20.30	21.5	0
1.4	64QAM	1	0	20.13	20.29	20.37	21.5	0
1.4	64QAM	1	3	20.07	20.38	20.34		
1.4	64QAM	1	5	20.15	20.34	20.20		
1.4	64QAM	3	0	19.73	19.71	19.76		
1.4	64QAM	3	1	19.56	19.67	19.65		
1.4	64QAM	3	3	19.71	19.57	19.67		
1.4	64QAM	6	0	19.50	19.58	19.51	21.5	0
1.4	256QAM	1	0	17.72	17.54	17.52	19.5	2
1.4	256QAM	1	3	17.51	17.76	17.66		
1.4	256QAM	1	5	17.53	17.51	17.84		
1.4	256QAM	3	0	17.63	17.78	17.76		
1.4	256QAM	3	1	17.53	17.89	17.52		
1.4	256QAM	3	3	17.73	17.54	17.56		
1.4	256QAM	6	0	17.72	17.88	17.62	19.5	2

Band 5_Ant 0

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	20.41	20.58	20.47	22	0
10	QPSK	1	25	20.50	20.70	20.64		
10	QPSK	1	49	20.22	20.43	20.60		
10	QPSK	25	0	20.26	20.59	20.50	22	0
10	QPSK	25	12	20.49	20.68	20.63		
10	QPSK	25	25	20.40	20.54	20.55		
10	QPSK	50	0	20.47	20.65	20.56		
10	16QAM	1	0	20.67	20.57	20.62	22	0
10	16QAM	1	25	20.58	20.49	20.42		
10	16QAM	1	49	20.47	20.61	20.64		
10	16QAM	25	0	20.12	20.64	20.66	22	0
10	16QAM	25	12	20.44	20.60	20.48		
10	16QAM	25	25	20.66	20.63	20.31		
10	16QAM	50	0	20.42	20.51	20.69		
10	64QAM	1	0	20.64	20.58	20.32	22	0
10	64QAM	1	25	20.48	20.41	20.34		
10	64QAM	1	49	20.53	20.57	20.46		
10	64QAM	25	0	20.40	20.30	20.29	22	0
10	64QAM	25	12	20.20	20.22	20.48		
10	64QAM	25	25	20.46	20.41	20.51		
10	64QAM	50	0	20.36	20.39	20.52		
10	256QAM	1	0	19.63	19.57	19.69	21	1
10	256QAM	1	25	19.83	19.77	19.64		
10	256QAM	1	49	19.90	19.90	19.86		
10	256QAM	25	0	19.82	19.90	19.90	21	1
10	256QAM	25	12	19.70	20.01	19.98		
10	256QAM	25	25	19.85	19.90	19.91		
10	256QAM	50	0	20.04	19.97	19.56		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	20.26	20.53	20.28	22	0
5	QPSK	1	12	20.30	20.66	20.49		
5	QPSK	1	24	20.00	20.30	20.41		
5	QPSK	12	0	20.18	20.31	20.42	22	0
5	QPSK	12	7	20.45	20.60	20.52		
5	QPSK	12	13	20.34	20.61	20.52		
5	QPSK	25	0	20.22	20.64	20.28		
5	16QAM	1	0	20.61	20.50	20.47	22	0
5	16QAM	1	12	20.62	20.42	20.38		
5	16QAM	1	24	20.31	20.67	20.69		
5	16QAM	12	0	20.17	20.52	20.43	22	0
5	16QAM	12	7	20.45	20.67	20.25		
5	16QAM	12	13	20.67	20.37	20.21		
5	16QAM	25	0	20.36	20.39	20.41		
5	64QAM	1	0	20.54	20.60	20.29	22	0
5	64QAM	1	12	20.40	20.13	20.40		
5	64QAM	1	24	20.29	20.35	20.23		
5	64QAM	12	0	20.38	20.38	20.33	22	0
5	64QAM	12	7	20.22	20.08	20.42		
5	64QAM	12	13	20.40	20.41	20.40		
5	64QAM	25	0	20.35	20.25	20.39		
5	256QAM	1	0	19.44	19.61	19.59	21	1
5	256QAM	1	12	19.86	19.73	19.69		
5	256QAM	1	24	19.97	19.78	19.60		
5	256QAM	12	0	19.87	19.82	19.97	21	1
5	256QAM	12	7	19.65	19.95	19.94		
5	256QAM	12	13	19.64	19.81	19.75		
5	256QAM	25	0	20.00	19.83	19.61		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	20.40	20.35	20.47	22	0
3	QPSK	1	8	20.24	20.58	20.62		
3	QPSK	1	14	20.23	20.19	20.33		
3	QPSK	8	0	20.32	20.63	20.46	22	0
3	QPSK	8	4	20.25	20.60	20.59		
3	QPSK	8	7	20.27	20.61	20.27		
3	QPSK	15	0	20.47	20.50	20.53		
3	16QAM	1	0	20.66	20.40	20.62	22	0
3	16QAM	1	8	20.61	20.37	20.30		
3	16QAM	1	14	20.29	20.64	20.64		
3	16QAM	8	0	20.05	20.42	20.69	22	0
3	16QAM	8	4	20.51	20.59	20.51		
3	16QAM	8	7	20.62	20.66	20.36		
3	16QAM	15	0	20.20	20.36	20.60		
3	64QAM	1	0	20.61	20.31	20.33	22	0
3	64QAM	1	8	20.21	20.34	20.07		
3	64QAM	1	14	20.54	20.32	20.21		
3	64QAM	8	0	20.24	20.20	20.04	22	0
3	64QAM	8	4	20.27	20.30	20.40		
3	64QAM	8	7	20.48	20.24	20.57		
3	64QAM	15	0	20.19	20.18	20.51		
3	256QAM	1	0	19.51	19.34	19.49	21	1
3	256QAM	1	8	19.72	19.50	19.50		
3	256QAM	1	14	19.74	19.86	19.71		
3	256QAM	8	0	19.73	19.63	19.66	21	1
3	256QAM	8	4	19.55	19.86	20.00		
3	256QAM	8	7	19.75	19.89	19.82		
3	256QAM	15	0	19.84	19.81	19.49		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	20.15	20.66	20.22	22	0
1.4	QPSK	1	3	20.35	20.51	20.36		
1.4	QPSK	1	5	20.01	20.47	20.49		
1.4	QPSK	3	0	20.20	20.36	20.44		
1.4	QPSK	3	1	20.44	20.66	20.65		
1.4	QPSK	3	3	20.40	20.46	20.33		
1.4	QPSK	6	0	20.27	20.41	20.49	22	0
1.4	16QAM	1	0	20.65	20.41	20.62	22	0
1.4	16QAM	1	3	20.40	20.54	20.15		
1.4	16QAM	1	5	20.33	20.61	20.52		
1.4	16QAM	3	0	20.09	20.64	20.47		
1.4	16QAM	3	1	20.28	20.56	20.33		
1.4	16QAM	3	3	20.52	20.57	20.07		
1.4	16QAM	6	0	20.30	20.25	20.69	22	0
1.4	64QAM	1	0	20.52	20.39	20.36	22	0
1.4	64QAM	1	3	20.56	20.18	20.06		
1.4	64QAM	1	5	20.41	20.38	20.27		
1.4	64QAM	3	0	20.48	20.15	20.16		
1.4	64QAM	3	1	20.24	20.05	20.24		
1.4	64QAM	3	3	20.41	20.18	20.28		
1.4	64QAM	6	0	20.15	20.16	20.42	22	0
1.4	256QAM	1	0	19.44	19.29	19.54	21	1
1.4	256QAM	1	3	19.56	19.59	19.50		
1.4	256QAM	1	5	19.75	19.67	19.77		
1.4	256QAM	3	0	19.63	19.63	19.98		
1.4	256QAM	3	1	19.60	20.01	19.80		
1.4	256QAM	3	3	19.85	19.66	19.69		
1.4	256QAM	6	0	20.02	19.78	19.54	21	1

Band 5_Ant 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	20.06	20.05	20.02	21	2
1.4	256QAM	1	3	20.23	20.30	20.02		
1.4	256QAM	1	5	20.25	20.09	20.20		
1.4	256QAM	3	0	20.07	20.11	20.16		
1.4	256QAM	3	1	20.05	20.04	20.13		
1.4	256QAM	3	3	20.01	20.27	20.13		
1.4	256QAM	6	0	20.10	20.06	20.08	21	2

Band 7_Ant 1

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	20.25	20.32	20.28	22	0
20	QPSK	1	49	20.39	20.35	20.33		
20	QPSK	1	99	20.42	20.40	20.38		
20	QPSK	50	0	20.17	20.14	20.31	22	0
20	QPSK	50	24	20.40	20.38	20.35		
20	QPSK	50	50	20.28	20.33	20.19		
20	QPSK	100	0	20.38	20.32	20.32		
20	16QAM	1	0	20.34	20.27	20.35	22	0
20	16QAM	1	49	20.25	20.07	20.28		
20	16QAM	1	99	20.00	20.32	20.03		
20	16QAM	50	0	20.12	20.24	20.25	22	0
20	16QAM	50	24	20.27	20.31	20.25		
20	16QAM	50	50	20.11	20.21	20.19		
20	16QAM	100	0	20.14	20.06	20.13		
20	64QAM	1	0	20.17	20.20	20.32	22	0
20	64QAM	1	49	20.29	20.31	20.39		
20	64QAM	1	99	20.28	20.37	20.38		
20	64QAM	50	0	20.28	20.15	20.36	22	0
20	64QAM	50	24	20.28	20.36	20.14		
20	64QAM	50	50	20.31	20.15	20.02		
20	64QAM	100	0	20.21	20.18	20.06		
20	256QAM	1	0	19.83	19.56	19.78	21	1
20	256QAM	1	49	19.60	19.75	19.91		
20	256QAM	1	99	19.57	19.64	19.73		
20	256QAM	50	0	19.44	19.67	19.65	21	1
20	256QAM	50	24	19.72	19.80	19.92		
20	256QAM	50	50	19.73	19.52	19.82		
20	256QAM	100	0	19.41	19.48	19.41		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.15	20.35	20.11	22	0
15	QPSK	1	37	20.08	20.20	20.34		
15	QPSK	1	74	20.16	20.14	20.39		
15	QPSK	36	0	20.33	20.00	20.09	22	0
15	QPSK	36	20	20.14	20.32	20.14		
15	QPSK	36	39	20.24	20.15	20.22		
15	QPSK	75	0	20.37	20.25	20.35		
15	16QAM	1	0	20.37	20.13	20.16	22	0
15	16QAM	1	37	20.36	20.15	20.33		
15	16QAM	1	74	20.02	20.31	20.04		
15	16QAM	36	0	20.16	20.10	20.09	22	0
15	16QAM	36	20	20.33	20.39	20.30		
15	16QAM	36	39	20.18	20.08	20.14		
15	16QAM	75	0	20.01	20.11	20.14		
15	64QAM	1	0	20.19	20.07	20.06	22	0
15	64QAM	1	37	20.26	20.37	20.33		
15	64QAM	1	74	20.30	20.15	20.05		
15	64QAM	36	0	20.35	20.21	20.19	22	0
15	64QAM	36	20	20.17	20.23	20.24		
15	64QAM	36	39	20.01	20.08	20.34		
15	64QAM	75	0	20.00	20.09	20.03		
15	256QAM	1	0	19.66	19.32	19.79	21	1
15	256QAM	1	37	19.65	19.82	19.55		
15	256QAM	1	74	19.54	19.58	19.52		
15	256QAM	36	0	19.53	19.64	19.25	21	1
15	256QAM	36	20	19.97	19.88	19.45		
15	256QAM	36	39	19.71	19.36	19.65		
15	256QAM	75	0	19.16	19.23	19.42		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.14	20.35	20.12	22	0
10	QPSK	1	25	20.22	20.20	20.15		
10	QPSK	1	49	20.33	20.38	20.34		
10	QPSK	25	0	20.15	20.09	20.00	22	0
10	QPSK	25	12	20.14	20.30	20.35		
10	QPSK	25	25	20.22	20.29	20.16		
10	QPSK	50	0	20.28	20.14	20.33		
10	16QAM	1	0	20.36	20.26	20.15	22	0
10	16QAM	1	25	20.08	20.01	20.32		
10	16QAM	1	49	20.07	20.32	20.06		
10	16QAM	25	0	20.25	20.10	20.15	22	0
10	16QAM	25	12	20.19	20.22	20.05		
10	16QAM	25	25	20.02	20.08	20.11		
10	16QAM	50	0	20.16	20.07	20.00		
10	64QAM	1	0	20.11	20.03	20.19	22	0
10	64QAM	1	25	20.32	20.30	20.03		
10	64QAM	1	49	20.38	20.37	20.35		
10	64QAM	25	0	20.13	20.22	20.27	22	0
10	64QAM	25	12	20.02	20.17	20.01		
10	64QAM	25	25	20.07	20.09	20.15		
10	64QAM	50	0	20.08	20.17	20.08		
10	256QAM	1	0	19.83	19.28	19.91	21	1
10	256QAM	1	25	19.81	19.75	19.37		
10	256QAM	1	49	19.51	19.41	19.36		
10	256QAM	25	0	19.66	19.73	19.46	21	1
10	256QAM	25	12	19.66	19.62	19.71		
10	256QAM	25	25	19.78	19.36	19.72		
10	256QAM	50	0	19.34	19.23	19.32		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.00	20.17	20.06	22	0
5	QPSK	1	12	20.13	20.39	20.23		
5	QPSK	1	24	20.33	20.32	20.22		
5	QPSK	12	0	20.34	20.12	20.15	22	0
5	QPSK	12	7	20.27	20.10	20.22		
5	QPSK	12	13	20.08	20.25	20.35		
5	QPSK	25	0	20.28	20.25	20.30		
5	16QAM	1	0	20.30	20.29	20.27	22	0
5	16QAM	1	12	20.28	20.01	20.33		
5	16QAM	1	24	20.04	20.30	20.00		
5	16QAM	12	0	20.14	20.13	20.04	22	0
5	16QAM	12	7	20.25	20.34	20.03		
5	16QAM	12	13	20.10	20.09	20.06		
5	16QAM	25	0	20.02	20.01	20.19		
5	64QAM	1	0	20.20	20.23	20.12	22	0
5	64QAM	1	12	20.35	20.29	20.33		
5	64QAM	1	24	20.33	20.14	20.11		
5	64QAM	12	0	20.32	20.07	20.18	22	0
5	64QAM	12	7	20.06	20.28	20.03		
5	64QAM	12	13	20.08	20.04	20.15		
5	64QAM	25	0	20.02	20.08	20.08		
5	256QAM	1	0	19.81	19.60	19.64	21	1
5	256QAM	1	12	19.66	19.49	19.42		
5	256QAM	1	24	19.54	19.69	19.44		
5	256QAM	12	0	19.42	19.48	19.43	21	1
5	256QAM	12	7	19.87	19.64	19.53		
5	256QAM	12	13	19.66	19.41	19.54		
5	256QAM	25	0	19.18	19.27	19.20		

Band 7_Ant 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	19.94	19.54	19.79	21.5	0
20	QPSK	1	49	19.86	19.53	19.78		
20	QPSK	1	99	19.98	19.61	19.87		
20	QPSK	50	0	19.83	19.52	19.58	21.5	0
20	QPSK	50	24	19.96	19.59	19.84		
20	QPSK	50	50	19.67	19.50	19.80		
20	QPSK	100	0	19.95	19.80	19.66		
20	16QAM	1	0	19.90	19.86	19.59	21.5	0
20	16QAM	1	49	19.65	19.60	19.80		
20	16QAM	1	99	19.52	19.81	19.51		
20	16QAM	50	0	19.60	19.77	19.69	21.5	0
20	16QAM	50	24	19.77	19.60	19.68		
20	16QAM	50	50	19.94	19.78	19.67		
20	16QAM	100	0	19.84	19.73	19.64		
20	64QAM	1	0	19.79	19.95	19.71	21.5	0
20	64QAM	1	49	19.95	19.73	19.87		
20	64QAM	1	99	19.76	19.70	19.75		
20	64QAM	50	0	19.61	19.57	19.68	21.5	0
20	64QAM	50	24	19.79	19.84	19.79		
20	64QAM	50	50	19.57	19.59	19.83		
20	64QAM	100	0	19.72	19.58	19.68		
20	256QAM	1	0	19.48	19.43	19.79	21	0.5
20	256QAM	1	49	19.78	19.57	19.35		
20	256QAM	1	99	19.56	19.57	19.35		
20	256QAM	50	0	19.53	19.41	19.34	21	0.5
20	256QAM	50	24	19.52	19.51	19.53		
20	256QAM	50	50	19.73	19.33	19.51		
20	256QAM	100	0	19.38	19.39	19.17		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	19.75	19.68	19.80	21.5	0
15	QPSK	1	37	19.69	19.59	19.56		
15	QPSK	1	74	19.78	19.54	19.58		
15	QPSK	36	0	19.68	19.64	19.55	21.5	0
15	QPSK	36	20	19.95	19.72	19.74		
15	QPSK	36	39	19.90	19.83	19.89		
15	QPSK	75	0	19.83	19.73	19.66		
15	16QAM	1	0	19.69	19.62	19.75	21.5	0
15	16QAM	1	37	19.78	19.64	19.61		
15	16QAM	1	74	19.84	19.58	19.51		
15	16QAM	36	0	19.69	19.87	19.85	21.5	0
15	16QAM	36	20	19.59	19.57	19.86		
15	16QAM	36	39	19.96	19.85	19.54		
15	16QAM	75	0	19.62	19.60	19.95		
15	64QAM	1	0	19.92	19.81	19.73	21.5	0
15	64QAM	1	37	19.81	19.96	19.85		
15	64QAM	1	74	19.80	19.75	19.91		
15	64QAM	36	0	19.66	19.70	19.72	21.5	0
15	64QAM	36	20	19.64	19.87	19.73		
15	64QAM	36	39	19.62	19.68	19.80		
15	64QAM	75	0	19.61	19.73	19.72		
15	256QAM	1	0	19.65	19.45	19.61	21	0.5
15	256QAM	1	37	19.74	19.67	19.56		
15	256QAM	1	74	19.76	19.78	19.28		
15	256QAM	36	0	19.64	19.53	19.32	21	0.5
15	256QAM	36	20	19.54	19.53	19.70		
15	256QAM	36	39	19.81	19.65	19.41		
15	256QAM	75	0	19.32	19.36	19.29		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	19.91	19.71	19.78	21.5	0
10	QPSK	1	25	19.76	19.75	19.74		
10	QPSK	1	49	19.85	19.55	19.59		
10	QPSK	25	0	19.89	19.83	19.58	21.5	0
10	QPSK	25	12	19.83	19.67	19.67		
10	QPSK	25	25	19.67	19.77	19.71		
10	QPSK	50	0	19.80	19.70	19.89		
10	16QAM	1	0	19.96	19.75	19.74	21.5	0
10	16QAM	1	25	19.79	19.83	19.87		
10	16QAM	1	49	19.72	19.91	19.71		
10	16QAM	25	0	19.73	19.82	19.63	21.5	0
10	16QAM	25	12	19.69	19.71	19.72		
10	16QAM	25	25	19.81	19.55	19.52		
10	16QAM	50	0	19.58	19.87	19.68		
10	64QAM	1	0	19.81	19.94	19.67	21.5	0
10	64QAM	1	25	19.68	19.93	19.75		
10	64QAM	1	49	19.73	19.78	19.98		
10	64QAM	25	0	19.78	19.79	19.77	21.5	0
10	64QAM	25	12	19.67	19.91	19.81		
10	64QAM	25	25	19.52	19.76	19.81		
10	64QAM	50	0	19.55	19.60	19.67		
10	256QAM	1	0	19.52	19.72	19.76	21	0.5
10	256QAM	1	25	19.69	19.53	19.27		
10	256QAM	1	49	19.77	19.60	19.27		
10	256QAM	25	0	19.69	19.66	19.52	21	0.5
10	256QAM	25	12	19.85	19.42	19.65		
10	256QAM	25	25	19.90	19.69	19.52		
10	256QAM	50	0	19.45	19.68	19.30		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	19.90	19.81	19.80	21.5	0
5	QPSK	1	12	19.69	19.60	19.90		
5	QPSK	1	24	19.75	19.85	19.87		
5	QPSK	12	0	19.93	19.71	19.59	21.5	0
5	QPSK	12	7	19.90	19.55	19.79		
5	QPSK	12	13	19.96	19.83	19.57		
5	QPSK	25	0	19.85	19.87	19.58		
5	16QAM	1	0	19.90	19.61	19.67	21.5	0
5	16QAM	1	12	19.76	19.85	19.82		
5	16QAM	1	24	19.61	19.58	19.50		
5	16QAM	12	0	19.65	19.53	19.69	21.5	0
5	16QAM	12	7	19.74	19.76	19.56		
5	16QAM	12	13	19.74	19.81	19.63		
5	16QAM	25	0	19.74	19.64	19.88		
5	64QAM	1	0	19.84	19.84	19.61	21.5	0
5	64QAM	1	12	19.65	19.85	19.89		
5	64QAM	1	24	19.82	19.67	19.87		
5	64QAM	12	0	19.56	19.67	19.90	21.5	0
5	64QAM	12	7	19.83	19.88	19.89		
5	64QAM	12	13	19.52	19.58	19.84		
5	64QAM	25	0	19.68	19.65	19.72		
5	256QAM	1	0	19.56	19.76	19.63	21	0.5
5	256QAM	1	12	19.66	19.71	19.34		
5	256QAM	1	24	19.70	19.73	19.47		
5	256QAM	12	0	19.42	19.39	19.29	21	0.5
5	256QAM	12	7	19.68	19.56	19.39		
5	256QAM	12	13	19.59	19.59	19.33		
5	256QAM	25	0	19.57	19.67	19.48		

Band 12_Ant 0

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.24	19.38	19.17	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 12_Ant 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.44	19.38	19.37	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 13_Ant 0

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)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 13_Ant 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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 30_Ant 1

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			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 30_Ant 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					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 66_Ant 1

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	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 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				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 11

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	20.21	20.27	20.45	21.5	0
20	QPSK	1	49	20.12	20.19	20.41		
20	QPSK	1	99	20.16	20.02	20.25		
20	QPSK	50	0	20.15	20.24	20.31	21.5	0
20	QPSK	50	24	20.18	20.25	20.43		
20	QPSK	50	50	20.16	20.21	20.42		
20	QPSK	100	0	20.14	20.26	20.40		
20	16QAM	1	0	20.30	20.38	20.24	21.5	0
20	16QAM	1	49	20.23	20.23	20.38		
20	16QAM	1	99	20.26	20.20	20.24		
20	16QAM	50	0	20.38	20.30	20.35	21.5	0
20	16QAM	50	24	20.37	20.31	20.34		
20	16QAM	50	50	20.23	20.32	20.20		
20	16QAM	100	0	20.13	20.23	20.23		
20	64QAM	1	0	20.34	20.37	20.21	21.5	0
20	64QAM	1	49	20.31	20.38	20.25		
20	64QAM	1	99	20.22	20.33	20.39		
20	64QAM	50	0	20.08	19.94	19.78	21.5	0
20	64QAM	50	24	20.00	19.85	19.95		
20	64QAM	50	50	19.77	19.81	19.73		
20	64QAM	100	0	19.91	19.83	19.91		
20	256QAM	1	0	17.79	17.92	18.03	19.5	2
20	256QAM	1	49	17.94	18.00	17.84		
20	256QAM	1	99	17.75	17.64	17.69		
20	256QAM	50	0	17.80	17.86	17.84	19.5	2
20	256QAM	50	24	18.06	17.92	17.84		
20	256QAM	50	50	18.02	17.85	17.85		
20	256QAM	100	0	17.79	17.82	17.80		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.11	20.35	20.33	21.5	0
15	QPSK	1	37	20.20	20.32	20.25		
15	QPSK	1	74	20.27	19.87	20.28		
15	QPSK	36	0	20.05	20.27	20.24	21.5	0
15	QPSK	36	20	20.02	20.09	20.34		
15	QPSK	36	39	20.15	20.08	20.36		
15	QPSK	75	0	20.21	20.21	20.25		
15	16QAM	1	0	20.39	20.23	20.34	21.5	0
15	16QAM	1	37	20.37	20.29	20.33		
15	16QAM	1	74	20.21	20.23	20.23		
15	16QAM	36	0	20.33	20.26	20.22	21.5	0
15	16QAM	36	20	20.20	20.13	20.27		
15	16QAM	36	39	20.18	20.23	20.29		
15	16QAM	75	0	20.00	20.28	20.23		
15	64QAM	1	0	20.24	20.24	20.34	21.5	0
15	64QAM	1	37	20.14	20.20	20.23		
15	64QAM	1	74	20.34	20.28	20.22		
15	64QAM	36	0	19.97	19.90	19.89	21.5	0
15	64QAM	36	20	19.98	19.91	19.99		
15	64QAM	36	39	19.88	19.68	19.76		
15	64QAM	75	0	20.02	19.87	20.07		
15	256QAM	1	0	17.79	17.85	18.10	19.5	2
15	256QAM	1	37	17.78	17.84	17.79		
15	256QAM	1	74	17.66	17.66	17.74		
15	256QAM	36	0	17.81	17.77	17.84	19.5	2
15	256QAM	36	20	17.99	18.08	17.82		
15	256QAM	36	39	18.10	17.86	17.77		
15	256QAM	75	0	17.95	17.68	17.86		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.23	20.21	20.29	21.5	0
10	QPSK	1	25	20.17	20.05	20.32		
10	QPSK	1	49	20.00	20.17	20.35		
10	QPSK	25	0	20.16	20.35	20.18	21.5	0
10	QPSK	25	12	20.22	20.16	20.33		
10	QPSK	25	25	20.27	20.39	20.32		
10	QPSK	50	0	20.03	20.35	20.36		
10	16QAM	1	0	20.38	20.34	20.33	21.5	0
10	16QAM	1	25	20.34	20.25	20.35		
10	16QAM	1	49	20.32	20.33	20.20		
10	16QAM	25	0	20.24	20.25	20.20	21.5	0
10	16QAM	25	12	20.28	20.22	20.32		
10	16QAM	25	25	20.15	20.16	20.28		
10	16QAM	50	0	20.13	20.17	20.28		
10	64QAM	1	0	20.33	20.28	20.24	21.5	0
10	64QAM	1	25	20.23	20.32	20.30		
10	64QAM	1	49	20.30	20.23	20.26		
10	64QAM	25	0	20.05	19.80	19.96	21.5	0
10	64QAM	25	12	19.86	19.76	19.94		
10	64QAM	25	25	19.74	19.88	19.78		
10	64QAM	50	0	19.90	19.84	19.75		
10	256QAM	1	0	17.89	17.82	18.16	19.5	2
10	256QAM	1	25	18.01	17.96	18.00		
10	256QAM	1	49	17.81	17.73	17.81		
10	256QAM	25	0	17.66	17.88	17.74	19.5	2
10	256QAM	25	12	17.93	17.92	17.92		
10	256QAM	25	25	17.93	17.90	17.76		
10	256QAM	50	0	17.63	17.79	17.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.37	20.15	20.39	21.5	0
5	QPSK	1	12	20.21	20.23	20.25		
5	QPSK	1	24	20.26	20.20	20.34		
5	QPSK	12	0	20.31	20.24	20.27	21.5	0
5	QPSK	12	7	20.13	20.16	20.33		
5	QPSK	12	13	20.19	20.06	20.34		
5	QPSK	25	0	20.17	20.33	20.25		
5	16QAM	1	0	20.21	20.21	20.32	21.5	0
5	16QAM	1	12	20.36	20.33	20.24		
5	16QAM	1	24	20.09	20.30	20.32		
5	16QAM	12	0	20.25	20.15	20.28	21.5	0
5	16QAM	12	7	20.24	20.28	20.23		
5	16QAM	12	13	20.26	20.24	20.20		
5	16QAM	25	0	19.95	20.09	20.32		
5	64QAM	1	0	20.20	20.24	20.33	21.5	0
5	64QAM	1	12	20.17	20.31	20.22		
5	64QAM	1	24	20.27	20.29	20.27		
5	64QAM	12	0	20.09	19.83	19.61	21.5	0
5	64QAM	12	7	20.11	19.83	19.97		
5	64QAM	12	13	19.62	19.72	19.90		
5	64QAM	25	0	19.79	19.87	19.79		
5	256QAM	1	0	17.93	18.00	17.96	19.5	2
5	256QAM	1	12	18.06	18.08	18.02		
5	256QAM	1	24	17.77	17.70	17.62		
5	256QAM	12	0	17.98	17.86	17.74	19.5	2
5	256QAM	12	7	18.00	17.91	17.82		
5	256QAM	12	13	17.90	17.78	17.71		
5	256QAM	25	0	17.65	17.67	17.72		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.10	20.20	20.37	21.5	0
3	QPSK	1	8	20.05	20.26	20.29		
3	QPSK	1	14	20.32	19.91	20.30		
3	QPSK	8	0	20.16	20.07	20.20	21.5	0
3	QPSK	8	4	20.04	20.23	20.33		
3	QPSK	8	7	20.10	20.08	20.34		
3	QPSK	15	0	20.23	20.20	20.31		
3	16QAM	1	0	20.30	20.28	20.27	21.5	0
3	16QAM	1	8	20.28	20.34	20.31		
3	16QAM	1	14	20.27	20.21	20.26		
3	16QAM	8	0	20.36	20.30	20.22	21.5	0
3	16QAM	8	4	20.24	20.38	20.26		
3	16QAM	8	7	20.21	20.15	20.22		
3	16QAM	15	0	20.10	20.35	20.22		
3	64QAM	1	0	20.20	20.35	20.34	21.5	0
3	64QAM	1	8	20.28	20.32	20.27		
3	64QAM	1	14	20.23	20.24	20.33		
3	64QAM	8	0	19.92	19.89	19.83	21.5	0
3	64QAM	8	4	19.87	19.78	19.95		
3	64QAM	8	7	19.74	19.95	19.86		
3	64QAM	15	0	19.97	19.67	20.02		
3	256QAM	1	0	17.84	17.84	18.19	19.5	2
3	256QAM	1	8	18.04	17.88	17.87		
3	256QAM	1	14	17.73	17.75	17.74		
3	256QAM	8	0	17.77	18.02	17.87	19.5	2
3	256QAM	8	4	17.95	18.00	17.68		
3	256QAM	8	7	18.01	17.95	17.88		
3	256QAM	15	0	17.79	17.78	17.90		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.34	20.31	20.34	21.5	0
1.4	QPSK	1	3	20.20	20.20	20.33		
1.4	QPSK	1	5	20.02	20.20	20.07		
1.4	QPSK	3	0	20.17	20.20	20.29		
1.4	QPSK	3	1	20.36	20.25	20.39		
1.4	QPSK	3	3	20.25	20.39	20.26		
1.4	QPSK	6	0	20.30	20.18	20.25	21.5	0
1.4	16QAM	1	0	20.28	20.23	20.31	21.5	0
1.4	16QAM	1	3	20.29	20.34	20.30		
1.4	16QAM	1	5	20.14	20.28	20.39		
1.4	16QAM	3	0	20.33	20.25	20.33		
1.4	16QAM	3	1	20.24	20.27	20.36		
1.4	16QAM	3	3	20.20	20.14	20.36		
1.4	16QAM	6	0	20.31	20.16	20.26	21.5	0
1.4	64QAM	1	0	20.24	20.29	20.33	21.5	0
1.4	64QAM	1	3	20.27	20.33	20.20		
1.4	64QAM	1	5	20.24	20.33	20.24		
1.4	64QAM	3	0	19.96	19.89	19.81		
1.4	64QAM	3	1	19.83	19.84	20.00		
1.4	64QAM	3	3	19.88	19.93	19.62		
1.4	64QAM	6	0	19.81	19.96	20.03	21.5	0
1.4	256QAM	1	0	17.95	17.88	18.11	19.5	2
1.4	256QAM	1	3	18.06	18.10	17.86		
1.4	256QAM	1	5	17.69	17.80	17.87		
1.4	256QAM	3	0	17.90	17.82	18.00		
1.4	256QAM	3	1	18.15	17.83	17.89		
1.4	256QAM	3	3	17.87	17.68	17.68		
1.4	256QAM	6	0	17.95	17.93	17.87	19.5	2

Inter-Band CA for State 13&14

Band 2_Ant 1

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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

Band 2_Ant 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	21.33	21.44	21.36	23	0
20	QPSK	1	49	21.39	21.49	21.43		
20	QPSK	1	99	21.32	21.38	21.26		
20	QPSK	50	0	21.34	21.41	21.33	23	0
20	QPSK	50	24	21.43	21.45	21.39		
20	QPSK	50	50	21.42	21.36	21.36		
20	QPSK	100	0	21.40	21.43	21.33		
20	16QAM	1	0	21.36	21.42	21.17	23	0
20	16QAM	1	49	21.40	21.47	21.25		
20	16QAM	1	99	21.49	21.44	21.35		
20	16QAM	50	0	21.25	21.43	21.48	23	0
20	16QAM	50	24	21.32	21.48	21.27		
20	16QAM	50	50	21.24	21.43	21.43		
20	16QAM	100	0	21.42	21.39	21.39		
20	64QAM	1	0	21.18	21.42	21.14	23	0
20	64QAM	1	49	21.16	21.41	21.26		
20	64QAM	1	99	21.29	21.47	21.43		
20	64QAM	50	0	21.34	21.38	21.43	23	0
20	64QAM	50	24	21.22	21.41	21.20		
20	64QAM	50	50	21.18	21.35	21.36		
20	64QAM	100	0	21.29	21.41	21.36		
20	256QAM	1	0	19.54	19.65	19.40	21	2
20	256QAM	1	49	19.61	19.62	19.40		
20	256QAM	1	99	19.25	19.42	19.25		
20	256QAM	50	0	19.89	19.96	19.94	21	2
20	256QAM	50	24	19.84	19.93	19.88		
20	256QAM	50	50	19.90	19.85	19.66		
20	256QAM	100	0	19.65	19.92	19.80		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.24	21.31	21.13	23	0
15	QPSK	1	37	21.31	21.39	21.17		
15	QPSK	1	74	21.40	21.34	21.14		
15	QPSK	36	0	21.25	21.18	21.34	23	0
15	QPSK	36	20	21.41	21.44	21.47		
15	QPSK	36	39	21.20	21.16	21.16		
15	QPSK	75	0	21.36	21.25	21.23		
15	16QAM	1	0	21.29	21.20	21.21	23	0
15	16QAM	1	37	21.48	21.19	21.00		
15	16QAM	1	74	21.39	21.41	21.16		
15	16QAM	36	0	21.00	21.21	21.31	23	0
15	16QAM	36	20	21.29	21.22	21.20		
15	16QAM	36	39	21.09	21.18	21.38		
15	16QAM	75	0	21.46	21.32	21.24		
15	64QAM	1	0	21.01	21.27	21.15	23	0
15	64QAM	1	37	21.13	21.43	21.09		
15	64QAM	1	74	21.18	21.28	21.38		
15	64QAM	36	0	21.26	21.44	21.22	23	0
15	64QAM	36	20	21.10	21.38	21.00		
15	64QAM	36	39	21.25	21.40	21.33		
15	64QAM	75	0	21.26	21.21	21.40		
15	256QAM	1	0	19.38	19.58	19.35	21	2
15	256QAM	1	37	19.61	19.57	19.34		
15	256QAM	1	74	19.22	19.32	19.15		
15	256QAM	36	0	19.68	19.91	19.68	21	2
15	256QAM	36	20	19.69	20.00	19.95		
15	256QAM	36	39	19.73	19.80	19.60		
15	256QAM	75	0	19.43	19.89	19.86		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.32	21.45	21.34	23	0
10	QPSK	1	25	21.37	21.46	21.19		
10	QPSK	1	49	21.09	21.29	21.01		
10	QPSK	25	0	21.37	21.20	21.30	23	0
10	QPSK	25	12	21.25	21.26	21.32		
10	QPSK	25	25	21.46	21.41	21.37		
10	QPSK	50	0	21.42	21.40	21.31		
10	16QAM	1	0	21.28	21.34	21.22	23	0
10	16QAM	1	25	21.45	21.43	21.27		
10	16QAM	1	49	21.27	21.17	21.35		
10	16QAM	25	0	21.19	21.28	21.33	23	0
10	16QAM	25	12	21.32	21.40	21.01		
10	16QAM	25	25	21.13	21.45	21.28		
10	16QAM	50	0	21.28	21.46	21.28		
10	64QAM	1	0	21.23	21.34	21.19	23	0
10	64QAM	1	25	21.08	21.17	21.16		
10	64QAM	1	49	21.08	21.26	21.34		
10	64QAM	25	0	21.20	21.17	21.28	23	0
10	64QAM	25	12	21.09	21.36	21.09		
10	64QAM	25	25	21.01	21.43	21.38		
10	64QAM	50	0	21.35	21.31	21.23		
10	256QAM	1	0	19.53	19.55	19.20	21	2
10	256QAM	1	25	19.44	19.68	19.15		
10	256QAM	1	49	19.19	19.41	19.05		
10	256QAM	25	0	19.76	19.99	19.74	21	2
10	256QAM	25	12	19.83	19.99	19.65		
10	256QAM	25	25	19.70	19.85	19.72		
10	256QAM	50	0	19.71	20.00	19.66		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.15	21.47	21.43	23	0
5	QPSK	1	12	21.47	21.25	21.34		
5	QPSK	1	24	21.05	21.12	21.34		
5	QPSK	12	0	21.35	21.31	21.27	23	0
5	QPSK	12	7	21.36	21.32	21.21		
5	QPSK	12	13	21.39	21.09	21.13		
5	QPSK	25	0	21.33	21.30	21.33		
5	16QAM	1	0	21.10	21.40	21.15	23	0
5	16QAM	1	12	21.13	21.41	21.24		
5	16QAM	1	24	21.21	21.41	21.39		
5	16QAM	12	0	21.10	21.20	21.38	23	0
5	16QAM	12	7	21.37	21.45	21.06		
5	16QAM	12	13	21.16	21.23	21.48		
5	16QAM	25	0	21.20	21.11	21.33		
5	64QAM	1	0	21.06	21.21	21.12	23	0
5	64QAM	1	12	21.02	21.46	21.17		
5	64QAM	1	24	21.06	21.47	21.21		
5	64QAM	12	0	21.08	21.37	21.34	23	0
5	64QAM	12	7	21.21	21.31	21.07		
5	64QAM	12	13	21.25	21.19	21.18		
5	64QAM	25	0	21.06	21.41	21.09		
5	256QAM	1	0	19.48	19.41	19.22	21	2
5	256QAM	1	12	19.40	19.46	19.42		
5	256QAM	1	24	19.05	19.21	19.08		
5	256QAM	12	0	19.92	19.96	19.88	21	2
5	256QAM	12	7	19.60	19.93	19.87		
5	256QAM	12	13	19.87	19.68	19.72		
5	256QAM	25	0	19.37	19.64	19.55		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.39	21.17	21.40	23	0
3	QPSK	1	8	21.41	21.25	21.21		
3	QPSK	1	14	21.10	21.32	21.10		
3	QPSK	8	0	21.08	21.37	21.38	23	0
3	QPSK	8	4	21.42	21.29	21.34		
3	QPSK	8	7	21.29	21.24	21.08		
3	QPSK	15	0	21.32	21.16	21.10		
3	16QAM	1	0	21.15	21.20	21.03	23	0
3	16QAM	1	8	21.26	21.47	21.17		
3	16QAM	1	14	21.33	21.20	21.39		
3	16QAM	8	0	21.20	21.45	21.40	23	0
3	16QAM	8	4	21.33	21.36	21.14		
3	16QAM	8	7	21.26	21.25	21.16		
3	16QAM	15	0	21.34	21.42	21.42		
3	64QAM	1	0	21.17	21.18	21.22	23	0
3	64QAM	1	8	21.10	21.23	21.30		
3	64QAM	1	14	21.18	21.47	21.27		
3	64QAM	8	0	21.32	21.32	21.19	23	0
3	64QAM	8	4	21.17	21.40	21.02		
3	64QAM	8	7	21.13	21.32	21.31		
3	64QAM	15	0	21.04	21.21	21.13		
3	256QAM	1	0	19.38	19.50	19.47	21	2
3	256QAM	1	8	19.51	19.43	19.32		
3	256QAM	1	14	19.26	19.30	19.05		
3	256QAM	8	0	19.95	19.91	19.93	21	2
3	256QAM	8	4	19.60	19.88	19.74		
3	256QAM	8	7	19.78	19.91	19.55		
3	256QAM	15	0	19.62	19.94	19.88		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.38	21.40	21.12	23	0
1.4	QPSK	1	3	21.29	21.45	21.33		
1.4	QPSK	1	5	21.10	21.38	21.09		
1.4	QPSK	3	0	21.26	21.33	21.40		
1.4	QPSK	3	1	21.38	21.38	21.15		
1.4	QPSK	3	3	21.43	21.16	21.38		
1.4	QPSK	6	0	21.12	21.21	21.17	23	0
1.4	16QAM	1	0	21.30	21.32	21.07	23	0
1.4	16QAM	1	3	21.24	21.40	21.28		
1.4	16QAM	1	5	21.22	21.40	21.13		
1.4	16QAM	3	0	21.13	21.45	21.23		
1.4	16QAM	3	1	21.38	21.33	21.08		
1.4	16QAM	3	3	21.32	21.18	21.42		
1.4	16QAM	6	0	21.29	21.23	21.33	23	0
1.4	64QAM	1	0	21.04	21.34	21.29	23	0
1.4	64QAM	1	3	21.18	21.48	21.10		
1.4	64QAM	1	5	21.07	21.44	21.22		
1.4	64QAM	3	0	21.37	21.44	21.45		
1.4	64QAM	3	1	21.19	21.13	21.17		
1.4	64QAM	3	3	21.11	21.34	21.33		
1.4	64QAM	6	0	21.25	21.30	21.29	23	0
1.4	256QAM	1	0	19.62	19.44	19.28	21	2
1.4	256QAM	1	3	19.40	19.65	19.43		
1.4	256QAM	1	5	19.28	19.31	19.38		
1.4	256QAM	3	0	19.77	20.00	19.72		
1.4	256QAM	3	1	19.57	19.85	19.63		
1.4	256QAM	3	3	19.68	19.76	19.62		
1.4	256QAM	6	0	19.54	19.99	19.75	21	2

Band 2_Ant 11

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	20.27	20.25	20.21	21.5	0
20	QPSK	1	49	20.33	20.35	20.23		
20	QPSK	1	99	20.31	20.25	20.22		
20	QPSK	50	0	20.15	19.98	20.08	21.5	0
20	QPSK	50	24	20.30	20.33	20.20		
20	QPSK	50	50	19.97	20.13	20.01		
20	QPSK	100	0	20.01	20.28	20.16		
20	16QAM	1	0	19.90	19.85	19.62	21.5	0
20	16QAM	1	49	19.81	19.85	19.78		
20	16QAM	1	99	19.62	19.86	19.85		
20	16QAM	50	0	20.04	20.16	20.22	21.5	0
20	16QAM	50	24	20.01	20.15	20.01		
20	16QAM	50	50	20.06	20.18	20.09		
20	16QAM	100	0	19.94	20.09	19.81		
20	64QAM	1	0	19.71	19.87	19.73	21.5	0
20	64QAM	1	49	19.52	19.75	19.67		
20	64QAM	1	99	19.79	19.88	19.82		
20	64QAM	50	0	19.81	20.02	19.85	21.5	0
20	64QAM	50	24	19.82	20.03	19.97		
20	64QAM	50	50	19.78	20.03	20.02		
20	64QAM	100	0	19.99	20.02	19.86		
20	256QAM	1	0	18.11	18.27	18.29	19.5	2
20	256QAM	1	49	18.41	18.37	18.45		
20	256QAM	1	99	18.20	18.31	18.06		
20	256QAM	50	0	17.91	18.13	17.91	19.5	2
20	256QAM	50	24	18.13	18.12	18.16		
20	256QAM	50	50	18.01	18.15	18.11		
20	256QAM	100	0	17.89	18.11	18.17		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	20.23	20.03	20.27	21.5	0
15	QPSK	1	37	20.07	20.23	20.04		
15	QPSK	1	74	20.03	20.10	20.02		
15	QPSK	36	0	20.15	19.78	20.14	21.5	0
15	QPSK	36	20	20.08	20.29	20.17		
15	QPSK	36	39	20.04	20.09	19.86		
15	QPSK	75	0	19.82	20.11	19.96		
15	16QAM	1	0	19.88	19.81	19.62	21.5	0
15	16QAM	1	37	19.63	19.89	19.74		
15	16QAM	1	74	19.59	19.87	19.69		
15	16QAM	36	0	19.96	20.22	20.05	21.5	0
15	16QAM	36	20	20.04	20.22	19.84		
15	16QAM	36	39	20.03	20.16	19.98		
15	16QAM	75	0	19.95	19.88	19.59		
15	64QAM	1	0	19.79	19.67	19.50	21.5	0
15	64QAM	1	37	19.70	19.55	19.54		
15	64QAM	1	74	19.58	19.89	19.68		
15	64QAM	36	0	19.72	20.10	19.66	21.5	0
15	64QAM	36	20	19.56	19.99	19.97		
15	64QAM	36	39	19.82	19.98	19.93		
15	64QAM	75	0	19.83	19.86	19.79		
15	256QAM	1	0	17.89	18.05	18.19	19.5	2
15	256QAM	1	37	18.49	18.35	18.23		
15	256QAM	1	74	17.97	18.18	17.98		
15	256QAM	36	0	17.77	17.87	17.95	19.5	2
15	256QAM	36	20	18.12	17.99	17.90		
15	256QAM	36	39	18.04	17.96	17.84		
15	256QAM	75	0	17.89	18.16	18.06		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	20.04	20.00	20.27	21.5	0
10	QPSK	1	25	20.24	20.17	20.23		
10	QPSK	1	49	20.32	20.22	19.94		
10	QPSK	25	0	19.87	19.88	19.98	21.5	0
10	QPSK	25	12	20.19	20.06	19.96		
10	QPSK	25	25	19.98	20.08	20.00		
10	QPSK	50	0	20.05	20.11	20.09		
10	16QAM	1	0	19.82	19.91	19.53	21.5	0
10	16QAM	1	25	19.61	19.70	19.67		
10	16QAM	1	49	19.60	19.64	19.82		
10	16QAM	25	0	19.86	20.05	20.19	21.5	0
10	16QAM	25	12	19.83	20.02	20.03		
10	16QAM	25	25	19.88	20.02	19.96		
10	16QAM	50	0	19.79	20.13	19.73		
10	64QAM	1	0	19.50	19.89	19.76	21.5	0
10	64QAM	1	25	19.51	19.79	19.65		
10	64QAM	1	49	19.75	19.83	19.59		
10	64QAM	25	0	19.67	20.09	19.70	21.5	0
10	64QAM	25	12	19.65	19.79	19.73		
10	64QAM	25	25	19.73	19.84	19.74		
10	64QAM	50	0	20.05	20.09	19.86		
10	256QAM	1	0	18.01	18.25	18.32	19.5	2
10	256QAM	1	25	18.32	18.25	18.38		
10	256QAM	1	49	17.97	18.32	17.82		
10	256QAM	25	0	17.77	17.92	17.89	19.5	2
10	256QAM	25	12	17.87	17.88	17.93		
10	256QAM	25	25	17.77	18.19	17.88		
10	256QAM	50	0	17.70	17.87	17.94		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	20.06	20.12	20.12	21.5	0
5	QPSK	1	12	20.32	20.09	20.30		
5	QPSK	1	24	20.32	20.06	20.25		
5	QPSK	12	0	19.87	19.99	20.11	21.5	0
5	QPSK	12	7	20.06	20.23	19.97		
5	QPSK	12	13	19.90	20.05	20.05		
5	QPSK	25	0	19.90	20.08	19.89		
5	16QAM	1	0	19.69	19.78	19.65	21.5	0
5	16QAM	1	12	19.66	19.70	19.52		
5	16QAM	1	24	19.52	19.84	19.76		
5	16QAM	12	0	20.10	20.14	19.99	21.5	0
5	16QAM	12	7	19.86	20.22	19.95		
5	16QAM	12	13	19.97	20.09	19.88		
5	16QAM	25	0	19.97	19.89	19.66		
5	64QAM	1	0	19.57	19.81	19.56	21.5	0
5	64QAM	1	12	19.55	19.80	19.69		
5	64QAM	1	24	19.76	19.68	19.57		
5	64QAM	12	0	19.88	19.91	19.80	21.5	0
5	64QAM	12	7	19.78	20.11	20.01		
5	64QAM	12	13	19.59	20.11	19.91		
5	64QAM	25	0	19.86	20.01	19.81		
5	256QAM	1	0	18.04	18.19	18.29	19.5	2
5	256QAM	1	12	18.34	18.23	18.42		
5	256QAM	1	24	18.05	18.30	18.06		
5	256QAM	12	0	17.94	18.05	17.65	19.5	2
5	256QAM	12	7	18.06	17.90	18.07		
5	256QAM	12	13	17.98	18.23	17.96		
5	256QAM	25	0	17.76	18.15	18.17		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	20.34	20.05	20.10	21.5	0
3	QPSK	1	8	20.18	20.11	20.23		
3	QPSK	1	14	20.30	20.09	20.03		
3	QPSK	8	0	20.00	19.75	20.11	21.5	0
3	QPSK	8	4	20.28	20.09	20.12		
3	QPSK	8	7	20.03	20.08	19.87		
3	QPSK	15	0	19.89	20.27	19.93		
3	16QAM	1	0	19.77	19.91	19.62	21.5	0
3	16QAM	1	8	19.74	19.83	19.70		
3	16QAM	1	14	19.54	19.58	19.71		
3	16QAM	8	0	20.06	19.92	20.19	21.5	0
3	16QAM	8	4	19.78	19.94	19.96		
3	16QAM	8	7	19.80	20.13	20.04		
3	16QAM	15	0	19.88	20.07	19.69		
3	64QAM	1	0	19.64	19.66	19.58	21.5	0
3	64QAM	1	8	19.54	19.54	19.55		
3	64QAM	1	14	19.71	19.77	19.54		
3	64QAM	8	0	19.75	19.86	19.75	21.5	0
3	64QAM	8	4	19.56	19.96	19.95		
3	64QAM	8	7	19.76	20.11	19.88		
3	64QAM	15	0	19.74	19.87	19.88		
3	256QAM	1	0	18.03	18.29	18.15	19.5	2
3	256QAM	1	8	18.31	18.24	18.26		
3	256QAM	1	14	18.17	18.32	17.93		
3	256QAM	8	0	17.73	17.98	17.65	19.5	2
3	256QAM	8	4	18.01	18.05	17.96		
3	256QAM	8	7	17.86	18.06	18.18		
3	256QAM	15	0	17.82	17.94	18.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	20.35	20.17	20.24	21.5	0
1.4	QPSK	1	3	20.13	20.21	20.31		
1.4	QPSK	1	5	20.03	20.05	20.30		
1.4	QPSK	3	0	20.20	20.02	20.10		
1.4	QPSK	3	1	20.14	20.29	19.99		
1.4	QPSK	3	3	19.86	20.13	19.76		
1.4	QPSK	6	0	20.02	20.17	20.03	21.5	0
1.4	16QAM	1	0	19.66	19.77	19.63	21.5	0
1.4	16QAM	1	3	19.61	19.62	19.73		
1.4	16QAM	1	5	19.54	19.66	19.75		
1.4	16QAM	3	0	20.03	19.89	20.10		
1.4	16QAM	3	1	19.88	20.07	19.85		
1.4	16QAM	3	3	19.94	20.13	20.01		
1.4	16QAM	6	0	19.94	19.98	19.75	21.5	0
1.4	64QAM	1	0	19.68	19.81	19.59	21.5	0
1.4	64QAM	1	3	19.58	19.75	19.57		
1.4	64QAM	1	5	19.55	19.71	19.85		
1.4	64QAM	3	0	19.59	19.80	19.85		
1.4	64QAM	3	1	19.63	19.84	19.77		
1.4	64QAM	3	3	19.67	19.93	19.86		
1.4	64QAM	6	0	20.02	19.82	19.79	21.5	0
1.4	256QAM	1	0	17.84	17.99	18.10	19.5	2
1.4	256QAM	1	3	18.16	18.11	18.19		
1.4	256QAM	1	5	18.15	18.26	17.79		
1.4	256QAM	3	0	17.88	17.90	17.85		
1.4	256QAM	3	1	18.04	17.87	18.05		
1.4	256QAM	3	3	17.83	17.88	17.95		
1.4	256QAM	6	0	17.97	17.88	18.23	19.5	2

Band 4_Ant 1

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.34	21.37	21.26	23	0
20	QPSK	1	49	21.28	21.26	21.21		
20	QPSK	1	99	21.21	21.21	21.07		
20	QPSK	50	0	21.27	21.25	21.14	23	0
20	QPSK	50	24	21.29	21.35	21.24		
20	QPSK	50	50	21.28	21.24	21.20		
20	QPSK	100	0	21.32	21.33	21.21		
20	16QAM	1	0	21.18	21.32	21.20	23	0
20	16QAM	1	49	21.37	21.31	21.24		
20	16QAM	1	99	21.32	21.25	21.29		
20	16QAM	50	0	21.29	21.32	21.20	23	0
20	16QAM	50	24	21.10	21.34	21.11		
20	16QAM	50	50	21.01	21.19	21.13		
20	16QAM	100	0	21.23	21.18	21.23		
20	64QAM	1	0	21.27	21.34	21.08	23	0
20	64QAM	1	49	21.04	21.32	21.30		
20	64QAM	1	99	21.06	21.23	21.03		
20	64QAM	50	0	21.32	21.29	21.29	23	0
20	64QAM	50	24	21.11	21.27	21.25		
20	64QAM	50	50	21.26	21.22	21.05		
20	64QAM	100	0	21.13	21.31	21.24		
20	256QAM	1	0	19.29	19.46	19.40	21	2
20	256QAM	1	49	19.58	19.59	19.59		
20	256QAM	1	99	19.37	19.29	19.08		
20	256QAM	50	0	19.51	19.76	19.71	21	2
20	256QAM	50	24	19.51	19.74	19.66		
20	256QAM	50	50	19.76	19.68	19.73		
20	256QAM	100	0	19.44	19.72	19.57		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.23	21.13	21.29	23	0
15	QPSK	1	37	21.08	21.14	21.27		
15	QPSK	1	74	21.10	21.29	21.06		
15	QPSK	36	0	21.15	21.13	21.04	23	0
15	QPSK	36	20	21.03	21.13	21.01		
15	QPSK	36	39	21.27	21.15	21.24		
15	QPSK	75	0	21.13	21.30	21.09		
15	16QAM	1	0	21.05	21.23	21.15	23	0
15	16QAM	1	37	21.11	21.03	21.07		
15	16QAM	1	74	21.34	21.09	21.32		
15	16QAM	36	0	21.01	21.05	21.16	23	0
15	16QAM	36	20	21.03	21.15	21.12		
15	16QAM	36	39	21.04	21.20	21.07		
15	16QAM	75	0	21.08	21.12	21.22		
15	64QAM	1	0	21.09	21.12	21.08	23	0
15	64QAM	1	37	21.00	21.07	21.20		
15	64QAM	1	74	21.08	21.11	21.04		
15	64QAM	36	0	21.20	21.31	21.14	23	0
15	64QAM	36	20	21.08	21.06	21.27		
15	64QAM	36	39	21.31	21.15	21.03		
15	64QAM	75	0	21.09	21.36	21.13		
15	256QAM	1	0	19.23	19.32	19.40	21	2
15	256QAM	1	37	19.65	19.47	19.31		
15	256QAM	1	74	19.31	19.10	19.00		
15	256QAM	36	0	19.55	19.75	19.56	21	2
15	256QAM	36	20	19.36	19.60	19.48		
15	256QAM	36	39	19.80	19.62	19.52		
15	256QAM	75	0	19.41	19.58	19.40		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.17	21.30	21.08	23	0
10	QPSK	1	25	21.08	21.27	21.06		
10	QPSK	1	49	21.16	21.04	21.04		
10	QPSK	25	0	21.02	21.19	21.10	23	0
10	QPSK	25	12	21.01	21.07	21.20		
10	QPSK	25	25	21.01	21.08	21.15		
10	QPSK	50	0	21.27	21.28	21.24		
10	16QAM	1	0	21.26	21.32	21.18	23	0
10	16QAM	1	25	21.15	21.23	21.28		
10	16QAM	1	49	21.35	21.18	21.13		
10	16QAM	25	0	21.29	21.12	21.03	23	0
10	16QAM	25	12	21.06	21.24	21.04		
10	16QAM	25	25	21.02	21.00	21.19		
10	16QAM	50	0	21.15	21.21	21.26		
10	64QAM	1	0	21.03	21.23	21.01	23	0
10	64QAM	1	25	21.05	21.11	21.30		
10	64QAM	1	49	21.13	21.28	21.01		
10	64QAM	25	0	21.29	21.29	21.33	23	0
10	64QAM	25	12	21.15	21.24	21.02		
10	64QAM	25	25	21.11	21.16	21.00		
10	64QAM	50	0	21.01	21.25	21.06		
10	256QAM	1	0	19.36	19.37	19.31	21	2
10	256QAM	1	25	19.43	19.31	19.43		
10	256QAM	1	49	19.30	19.15	19.03		
10	256QAM	25	0	19.36	19.48	19.48	21	2
10	256QAM	25	12	19.36	19.48	19.53		
10	256QAM	25	25	19.58	19.44	19.59		
10	256QAM	50	0	19.52	19.52	19.49		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.31	21.31	21.25	23	0
5	QPSK	1	12	21.08	21.10	21.11		
5	QPSK	1	24	21.27	21.02	21.02		
5	QPSK	12	0	21.05	21.20	21.12	23	0
5	QPSK	12	7	21.32	21.25	21.19		
5	QPSK	12	13	21.14	21.17	21.24		
5	QPSK	25	0	21.24	21.35	21.06		
5	16QAM	1	0	21.02	21.05	21.06	23	0
5	16QAM	1	12	21.34	21.30	21.14		
5	16QAM	1	24	21.22	21.11	21.31		
5	16QAM	12	0	21.37	21.04	21.08	23	0
5	16QAM	12	7	21.04	21.15	21.06		
5	16QAM	12	13	21.03	21.07	21.11		
5	16QAM	25	0	21.15	21.00	21.26		
5	64QAM	1	0	21.09	21.29	21.02	23	0
5	64QAM	1	12	21.05	21.32	21.32		
5	64QAM	1	24	21.02	21.28	21.09		
5	64QAM	12	0	21.23	21.37	21.16	23	0
5	64QAM	12	7	21.10	21.24	21.19		
5	64QAM	12	13	21.33	21.01	21.04		
5	64QAM	25	0	21.03	21.22	21.20		
5	256QAM	1	0	19.29	19.33	19.29	21	2
5	256QAM	1	12	19.55	19.65	19.55		
5	256QAM	1	24	19.43	19.34	19.09		
5	256QAM	12	0	19.49	19.66	19.64	21	2
5	256QAM	12	7	19.36	19.67	19.48		
5	256QAM	12	13	19.83	19.53	19.72		
5	256QAM	25	0	19.50	19.53	19.56		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.32	21.17	21.21	23	0
3	QPSK	1	8	21.21	21.26	21.07		
3	QPSK	1	14	21.11	21.01	21.12		
3	QPSK	8	0	21.35	21.00	21.01	23	0
3	QPSK	8	4	21.14	21.17	21.04		
3	QPSK	8	7	21.35	21.31	21.00		
3	QPSK	15	0	21.16	21.16	21.22		
3	16QAM	1	0	21.26	21.25	21.24	23	0
3	16QAM	1	8	21.31	21.34	21.14		
3	16QAM	1	14	21.35	21.09	21.13		
3	16QAM	8	0	21.11	21.14	21.27	23	0
3	16QAM	8	4	21.04	21.10	21.10		
3	16QAM	8	7	21.05	21.27	21.00		
3	16QAM	15	0	21.05	21.01	21.00		
3	64QAM	1	0	21.29	21.06	21.03	23	0
3	64QAM	1	8	21.03	21.34	21.14		
3	64QAM	1	14	21.04	21.08	21.09		
3	64QAM	8	0	21.11	21.14	21.04	23	0
3	64QAM	8	4	21.09	21.31	21.07		
3	64QAM	8	7	21.13	21.16	21.01		
3	64QAM	15	0	21.05	21.09	21.20		
3	256QAM	1	0	19.04	19.45	19.14	21	2
3	256QAM	1	8	19.61	19.48	19.61		
3	256QAM	1	14	19.44	19.29	19.00		
3	256QAM	8	0	19.44	19.71	19.49	21	2
3	256QAM	8	4	19.26	19.73	19.55		
3	256QAM	8	7	19.65	19.61	19.59		
3	256QAM	15	0	19.32	19.57	19.36		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.36	21.26	21.33	23	0
1.4	QPSK	1	3	21.35	21.03	21.29		
1.4	QPSK	1	5	21.09	21.04	21.00		
1.4	QPSK	3	0	21.01	21.10	21.16		
1.4	QPSK	3	1	21.22	21.15	21.01		
1.4	QPSK	3	3	21.20	21.28	21.03		
1.4	QPSK	6	0	21.28	21.23	21.03	23	0
1.4	16QAM	1	0	21.13	21.28	21.02	23	0
1.4	16QAM	1	3	21.16	21.32	21.25		
1.4	16QAM	1	5	21.11	21.08	21.25		
1.4	16QAM	3	0	21.26	21.18	21.20		
1.4	16QAM	3	1	21.01	21.17	21.17		
1.4	16QAM	3	3	21.03	21.19	21.18		
1.4	16QAM	6	0	21.09	21.01	21.24	23	0
1.4	64QAM	1	0	21.06	21.29	21.04	23	0
1.4	64QAM	1	3	21.06	21.04	21.22		
1.4	64QAM	1	5	21.07	21.25	21.04		
1.4	64QAM	3	0	21.04	21.31	21.28		
1.4	64QAM	3	1	21.08	21.06	21.26		
1.4	64QAM	3	3	21.33	21.24	21.11		
1.4	64QAM	6	0	21.07	21.32	21.30	23	0
1.4	256QAM	1	0	19.25	19.49	19.35	21	2
1.4	256QAM	1	3	19.40	19.32	19.38		
1.4	256QAM	1	5	19.34	19.01	19.12		
1.4	256QAM	3	0	19.26	19.58	19.72		
1.4	256QAM	3	1	19.28	19.47	19.50		
1.4	256QAM	3	3	19.69	19.61	19.77		
1.4	256QAM	6	0	19.50	19.78	19.35	21	2

Band 4_Ant 11

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				20050	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	20.27	20.32	20.42	21.5	0
20	QPSK	1	49	20.21	20.19	20.31		
20	QPSK	1	99	20.19	20.21	20.28		
20	QPSK	50	0	20.18	20.26	20.30	21.5	0
20	QPSK	50	24	20.25	20.31	20.41		
20	QPSK	50	50	20.14	20.23	20.34		
20	QPSK	100	0	20.28	20.26	20.41		
20	16QAM	1	0	20.36	20.37	20.41	21.5	0
20	16QAM	1	49	20.20	20.33	20.27		
20	16QAM	1	99	20.34	20.36	20.35		
20	16QAM	50	0	20.29	20.26	20.08	21.5	0
20	16QAM	50	24	20.05	20.33	20.19		
20	16QAM	50	50	20.02	20.23	20.08		
20	16QAM	100	0	20.05	20.27	20.29		
20	64QAM	1	0	20.19	20.40	20.40	21.5	0
20	64QAM	1	49	20.34	20.38	20.38		
20	64QAM	1	99	20.32	20.41	20.26		
20	64QAM	50	0	19.93	19.89	19.93	21.5	0
20	64QAM	50	24	19.67	19.81	19.80		
20	64QAM	50	50	19.63	19.82	19.74		
20	64QAM	100	0	19.53	19.78	19.65		
20	256QAM	1	0	17.78	17.78	17.79	19.5	2
20	256QAM	1	49	17.53	17.81	17.58		
20	256QAM	1	99	17.57	17.73	17.77		
20	256QAM	50	0	17.68	17.76	17.74	19.5	2
20	256QAM	50	24	17.78	17.81	17.54		
20	256QAM	50	50	17.80	17.73	17.68		
20	256QAM	100	0	17.66	17.82	17.87		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	20.06	20.07	20.41	21.5	0
15	QPSK	1	37	20.15	20.04	20.16		
15	QPSK	1	74	20.23	19.97	20.36		
15	QPSK	36	0	20.12	20.00	20.17	21.5	0
15	QPSK	36	20	20.15	20.22	20.28		
15	QPSK	36	39	19.96	19.95	20.42		
15	QPSK	75	0	20.07	20.16	20.30		
15	16QAM	1	0	20.19	20.33	20.34	21.5	0
15	16QAM	1	37	20.22	20.26	20.18		
15	16QAM	1	74	20.11	20.10	20.26		
15	16QAM	36	0	20.20	20.30	20.08	21.5	0
15	16QAM	36	20	20.01	20.29	19.98		
15	16QAM	36	39	20.03	19.97	19.83		
15	16QAM	75	0	20.01	20.31	20.01		
15	64QAM	1	0	20.26	20.16	20.12	21.5	0
15	64QAM	1	37	20.42	20.32	20.34		
15	64QAM	1	74	20.04	20.31	20.00		
15	64QAM	36	0	19.81	19.89	19.87	21.5	0
15	64QAM	36	20	19.53	19.63	19.68		
15	64QAM	36	39	19.64	19.73	19.64		
15	64QAM	75	0	19.55	19.55	19.59		
15	256QAM	1	0	17.80	17.62	17.62	19.5	2
15	256QAM	1	37	17.60	17.89	17.59		
15	256QAM	1	74	17.50	17.50	17.59		
15	256QAM	36	0	17.67	17.83	17.60	19.5	2
15	256QAM	36	20	17.64	17.83	17.50		
15	256QAM	36	39	17.62	17.74	17.59		
15	256QAM	75	0	17.67	17.65	17.76		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	20.09	20.15	20.38	21.5	0
10	QPSK	1	25	20.29	20.08	20.26		
10	QPSK	1	49	19.98	19.98	20.07		
10	QPSK	25	0	19.98	20.34	20.03	21.5	0
10	QPSK	25	12	20.24	20.16	20.16		
10	QPSK	25	25	20.03	20.22	20.09		
10	QPSK	50	0	20.17	20.09	20.34		
10	16QAM	1	0	20.36	20.32	20.38	21.5	0
10	16QAM	1	25	20.23	20.09	20.11		
10	16QAM	1	49	20.34	20.37	20.24		
10	16QAM	25	0	20.14	20.03	20.12	21.5	0
10	16QAM	25	12	19.89	20.30	20.20		
10	16QAM	25	25	19.77	20.30	20.03		
10	16QAM	50	0	19.96	20.09	20.21		
10	64QAM	1	0	20.21	20.36	20.22	21.5	0
10	64QAM	1	25	20.14	20.26	20.14		
10	64QAM	1	49	20.06	20.41	20.06		
10	64QAM	25	0	19.69	19.81	19.86	21.5	0
10	64QAM	25	12	19.74	19.81	19.77		
10	64QAM	25	25	19.55	19.58	19.66		
10	64QAM	50	0	19.59	19.64	19.67		
10	256QAM	1	0	17.54	17.72	17.71	19.5	2
10	256QAM	1	25	17.59	17.88	17.54		
10	256QAM	1	49	17.63	17.64	17.71		
10	256QAM	25	0	17.59	17.58	17.61	19.5	2
10	256QAM	25	12	17.50	17.79	17.59		
10	256QAM	25	25	17.57	17.55	17.70		
10	256QAM	50	0	17.66	17.87	17.69		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	20.26	20.23	20.41	21.5	0
5	QPSK	1	12	20.21	20.12	20.33		
5	QPSK	1	24	20.26	20.24	20.24		
5	QPSK	12	0	20.00	20.07	20.04	21.5	0
5	QPSK	12	7	20.21	20.04	20.34		
5	QPSK	12	13	20.20	20.05	20.24		
5	QPSK	25	0	20.32	20.19	20.18		
5	16QAM	1	0	20.41	20.34	20.14	21.5	0
5	16QAM	1	12	20.26	20.32	20.19		
5	16QAM	1	24	20.15	20.09	20.22		
5	16QAM	12	0	20.15	20.26	20.03	21.5	0
5	16QAM	12	7	19.83	20.07	19.96		
5	16QAM	12	13	19.76	20.08	20.08		
5	16QAM	25	0	19.78	20.06	20.23		
5	64QAM	1	0	20.18	20.20	20.29	21.5	0
5	64QAM	1	12	20.27	20.41	20.20		
5	64QAM	1	24	20.06	20.27	20.13		
5	64QAM	12	0	19.88	19.76	19.71	21.5	0
5	64QAM	12	7	19.70	19.71	19.60		
5	64QAM	12	13	19.64	19.78	19.65		
5	64QAM	25	0	19.52	19.59	19.66		
5	256QAM	1	0	17.80	17.67	17.81	19.5	2
5	256QAM	1	12	17.57	17.54	17.56		
5	256QAM	1	24	17.62	17.59	17.63		
5	256QAM	12	0	17.55	17.69	17.59	19.5	2
5	256QAM	12	7	17.67	17.67	17.52		
5	256QAM	12	13	17.74	17.50	17.67		
5	256QAM	25	0	17.54	17.58	17.88		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	20.01	20.17	20.21	21.5	0
3	QPSK	1	8	19.93	20.22	20.16		
3	QPSK	1	14	20.03	20.20	20.01		
3	QPSK	8	0	20.21	20.09	20.16	21.5	0
3	QPSK	8	4	20.26	20.23	20.40		
3	QPSK	8	7	19.88	20.01	20.35		
3	QPSK	15	0	20.21	19.98	20.39		
3	16QAM	1	0	20.13	20.13	20.34	21.5	0
3	16QAM	1	8	19.95	20.08	20.09		
3	16QAM	1	14	20.27	20.42	20.40		
3	16QAM	8	0	20.15	20.13	20.07	21.5	0
3	16QAM	8	4	20.07	20.17	20.11		
3	16QAM	8	7	20.03	20.09	20.14		
3	16QAM	15	0	19.83	20.10	20.08		
3	64QAM	1	0	19.91	20.31	20.38	21.5	0
3	64QAM	1	8	20.17	20.23	20.27		
3	64QAM	1	14	20.34	20.40	20.17		
3	64QAM	8	0	19.69	19.84	19.79	21.5	0
3	64QAM	8	4	19.68	19.71	19.70		
3	64QAM	8	7	19.64	19.56	19.71		
3	64QAM	15	0	19.51	19.54	19.66		
3	256QAM	1	0	17.75	17.64	17.64	19.5	2
3	256QAM	1	8	17.50	17.78	17.55		
3	256QAM	1	14	17.53	17.52	17.71		
3	256QAM	8	0	17.74	17.83	17.57	19.5	2
3	256QAM	8	4	17.81	17.77	17.59		
3	256QAM	8	7	17.54	17.70	17.58		
3	256QAM	15	0	17.66	17.82	17.72		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	20.14	20.28	20.30	21.5	0
1.4	QPSK	1	3	20.29	20.10	20.16		
1.4	QPSK	1	5	20.12	20.20	20.18		
1.4	QPSK	3	0	19.95	20.18	20.11		
1.4	QPSK	3	1	20.29	20.37	20.17		
1.4	QPSK	3	3	20.13	20.26	20.31		
1.4	QPSK	6	0	20.30	20.06	20.40	21.5	0
1.4	16QAM	1	0	20.42	20.21	20.29	21.5	0
1.4	16QAM	1	3	19.97	20.17	20.04		
1.4	16QAM	1	5	20.24	20.24	20.14		
1.4	16QAM	3	0	20.31	20.33	19.84		
1.4	16QAM	3	1	19.84	20.24	20.26		
1.4	16QAM	3	3	19.87	20.18	19.94		
1.4	16QAM	6	0	19.81	20.05	20.30	21.5	0
1.4	64QAM	1	0	20.13	20.29	20.37	21.5	0
1.4	64QAM	1	3	20.07	20.38	20.34		
1.4	64QAM	1	5	20.15	20.34	20.20		
1.4	64QAM	3	0	19.73	19.71	19.76		
1.4	64QAM	3	1	19.56	19.67	19.65		
1.4	64QAM	3	3	19.71	19.57	19.67		
1.4	64QAM	6	0	19.50	19.58	19.51	21.5	0
1.4	256QAM	1	0	17.72	17.54	17.52	19.5	2
1.4	256QAM	1	3	17.51	17.76	17.66		
1.4	256QAM	1	5	17.53	17.51	17.84		
1.4	256QAM	3	0	17.63	17.78	17.76		
1.4	256QAM	3	1	17.53	17.89	17.52		
1.4	256QAM	3	3	17.73	17.54	17.56		
1.4	256QAM	6	0	17.72	17.88	17.62	19.5	2

Band 5_Ant 0

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	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	19.66	19.75	19.42	21	2
1.4	256QAM	1	3	20.03	20.10	19.82		
1.4	256QAM	1	5	20.05	19.89	20.00		
1.4	256QAM	3	0	19.77	19.91	19.96		
1.4	256QAM	3	1	19.85	19.84	19.93		
1.4	256QAM	3	3	19.71	20.07	19.93		
1.4	256QAM	6	0	19.80	19.86	19.88	21	2

Band 5_Ant 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				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	21.40	21.42	21.54	23	0
10	QPSK	1	25	21.46	21.56	21.65		
10	QPSK	1	49	21.40	21.48	21.53		
10	QPSK	25	0	21.35	21.47	21.54	23	0
10	QPSK	25	12	21.44	21.55	21.63		
10	QPSK	25	25	21.40	21.53	21.60		
10	QPSK	50	0	21.47	21.53	21.60		
10	16QAM	1	0	21.58	21.64	21.62	23	0
10	16QAM	1	25	21.52	21.64	21.47		
10	16QAM	1	49	21.41	21.60	21.61		
10	16QAM	25	0	21.30	21.51	21.58	23	0
10	16QAM	25	12	21.61	21.55	21.52		
10	16QAM	25	25	21.60	21.63	21.35		
10	16QAM	50	0	21.35	21.56	21.58		
10	64QAM	1	0	21.48	21.58	21.42	23	0
10	64QAM	1	25	21.53	21.54	21.36		
10	64QAM	1	49	21.47	21.60	21.40		
10	64QAM	25	0	21.27	21.41	21.14	23	0
10	64QAM	25	12	21.30	21.40	21.35		
10	64QAM	25	25	21.29	21.45	21.35		
10	64QAM	50	0	21.41	21.53	21.38		
10	256QAM	1	0	19.60	19.82	19.66	21	2
10	256QAM	1	25	20.07	20.03	19.76		
10	256QAM	1	49	20.08	20.04	20.08		
10	256QAM	25	0	20.04	20.03	20.07	21	2
10	256QAM	25	12	19.84	20.10	19.96		
10	256QAM	25	25	19.91	20.04	19.93		
10	256QAM	50	0	20.00	20.03	19.84		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	21.32	21.17	21.60	23	0
5	QPSK	1	12	21.22	21.47	21.58		
5	QPSK	1	24	21.12	21.42	21.51		
5	QPSK	12	0	21.31	21.44	21.58	23	0
5	QPSK	12	7	21.26	21.47	21.60		
5	QPSK	12	13	21.35	21.36	21.53		
5	QPSK	25	0	21.28	21.29	21.51		
5	16QAM	1	0	21.59	21.56	21.48	23	0
5	16QAM	1	12	21.54	21.07	21.36		
5	16QAM	1	24	21.23	21.62	21.46		
5	16QAM	12	0	21.20	21.49	21.54	23	0
5	16QAM	12	7	21.43	21.56	21.52		
5	16QAM	12	13	21.57	21.45	21.41		
5	16QAM	25	0	21.07	21.64	21.48		
5	64QAM	1	0	21.47	21.64	21.20	23	0
5	64QAM	1	12	21.41	21.51	21.08		
5	64QAM	1	24	21.54	21.41	21.41		
5	64QAM	12	0	21.26	21.34	21.07	23	0
5	64QAM	12	7	21.20	21.39	21.10		
5	64QAM	12	13	21.11	21.42	21.27		
5	64QAM	25	0	21.20	21.36	21.17		
5	256QAM	1	0	19.32	19.80	19.56	21	2
5	256QAM	1	12	19.99	19.93	19.68		
5	256QAM	1	24	19.88	20.07	20.02		
5	256QAM	12	0	20.12	20.05	20.09	21	2
5	256QAM	12	7	19.84	19.99	19.72		
5	256QAM	12	13	19.95	20.11	19.95		
5	256QAM	25	0	20.00	19.91	19.74		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	21.18	21.46	21.29	23	0
3	QPSK	1	8	21.29	21.29	21.57		
3	QPSK	1	14	21.44	21.49	21.27		
3	QPSK	8	0	21.22	21.33	21.44	23	0
3	QPSK	8	4	21.44	21.43	21.36		
3	QPSK	8	7	21.19	21.44	21.34		
3	QPSK	15	0	21.35	21.49	21.56		
3	16QAM	1	0	21.30	21.58	21.39	23	0
3	16QAM	1	8	21.58	21.41	21.45		
3	16QAM	1	14	21.16	21.62	21.59		
3	16QAM	8	0	21.31	21.37	21.56	23	0
3	16QAM	8	4	21.48	21.33	21.49		
3	16QAM	8	7	21.63	21.63	21.37		
3	16QAM	15	0	21.41	21.55	21.35		
3	64QAM	1	0	21.22	21.55	21.18	23	0
3	64QAM	1	8	21.37	21.60	21.13		
3	64QAM	1	14	21.24	21.48	21.43		
3	64QAM	8	0	21.08	21.38	21.25	23	0
3	64QAM	8	4	21.24	21.19	21.17		
3	64QAM	8	7	21.24	21.48	21.17		
3	64QAM	15	0	21.46	21.31	21.38		
3	256QAM	1	0	19.59	19.82	19.41	21	2
3	256QAM	1	8	20.00	20.07	19.48		
3	256QAM	1	14	19.91	19.87	20.11		
3	256QAM	8	0	19.76	19.94	20.01	21	2
3	256QAM	8	4	19.89	19.96	19.86		
3	256QAM	8	7	19.83	19.85	19.85		
3	256QAM	15	0	19.93	20.08	19.87		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	21.22	21.21	21.50	23	0
1.4	QPSK	1	3	21.33	21.49	21.58		
1.4	QPSK	1	5	21.47	21.32	21.25		
1.4	QPSK	3	0	21.28	21.51	21.43		
1.4	QPSK	3	1	21.24	21.46	21.63		
1.4	QPSK	3	3	21.41	21.34	21.63		
1.4	QPSK	6	0	21.50	21.61	21.44	23	0
1.4	16QAM	1	0	21.37	21.46	21.51	23	0
1.4	16QAM	1	3	21.43	21.38	21.23		
1.4	16QAM	1	5	21.34	21.38	21.63		
1.4	16QAM	3	0	21.21	21.46	21.42		
1.4	16QAM	3	1	21.55	21.37	21.36		
1.4	16QAM	3	3	21.58	21.41	21.14		
1.4	16QAM	6	0	21.26	21.29	21.44	23	0
1.4	64QAM	1	0	21.30	21.40	21.44	23	0
1.4	64QAM	1	3	21.37	21.54	21.24		
1.4	64QAM	1	5	21.39	21.33	21.46		
1.4	64QAM	3	0	21.29	21.36	21.02		
1.4	64QAM	3	1	21.23	21.30	21.33		
1.4	64QAM	3	3	21.31	21.47	21.33		
1.4	64QAM	6	0	21.21	21.35	21.23	23	0
1.4	256QAM	1	0	19.66	19.75	19.42	21	2
1.4	256QAM	1	3	20.03	20.10	19.82		
1.4	256QAM	1	5	20.05	19.89	20.00		
1.4	256QAM	3	0	19.77	19.91	19.96		
1.4	256QAM	3	1	19.85	19.84	19.93		
1.4	256QAM	3	3	19.71	20.07	19.93		
1.4	256QAM	6	0	19.80	19.86	19.88	21	2

Band 7_Ant 1

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	21.28	21.10	21.14	23	0
20	QPSK	1	49	21.27	21.07	21.13		
20	QPSK	1	99	21.31	21.12	21.15		
20	QPSK	50	0	21.25	21.05	21.06	23	0
20	QPSK	50	24	21.28	21.10	21.13		
20	QPSK	50	50	21.24	21.09	21.12		
20	QPSK	100	0	21.25	21.16	21.14		
20	16QAM	1	0	21.19	21.11	21.11	23	0
20	16QAM	1	49	21.08	21.12	21.10		
20	16QAM	1	99	21.10	21.15	21.05		
20	16QAM	50	0	21.05	21.11	21.12	23	0
20	16QAM	50	24	21.14	21.14	21.09		
20	16QAM	50	50	21.18	21.13	21.04		
20	16QAM	100	0	21.15	21.13	21.21		
20	64QAM	1	0	21.30	21.21	21.09	23	0
20	64QAM	1	49	21.21	21.25	21.22		
20	64QAM	1	99	21.27	21.24	21.21		
20	64QAM	50	0	21.08	21.09	21.15	23	0
20	64QAM	50	24	21.11	21.14	21.18		
20	64QAM	50	50	21.02	21.13	21.15		
20	64QAM	100	0	21.05	21.11	21.05		
20	256QAM	1	0	19.67	19.71	19.74	21	2
20	256QAM	1	49	19.89	19.66	19.51		
20	256QAM	1	99	19.79	19.72	19.45		
20	256QAM	50	0	19.69	19.59	19.49	21	2
20	256QAM	50	24	19.79	19.63	19.62		
20	256QAM	50	50	19.84	19.61	19.58		
20	256QAM	100	0	19.50	19.62	19.41		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.07	21.10	23	0
15	QPSK	1	37	21.16	21.02	21.17		
15	QPSK	1	74	21.30	21.04	21.07		
15	QPSK	36	0	21.30	21.09	21.07	23	0
15	QPSK	36	20	21.30	21.13	21.02		
15	QPSK	36	39	21.15	21.00	21.03		
15	QPSK	75	0	21.25	21.27	21.05		
15	16QAM	1	0	21.27	21.12	21.01	23	0
15	16QAM	1	37	21.01	21.22	21.08		
15	16QAM	1	74	21.07	21.11	21.16		
15	16QAM	36	0	21.09	21.05	21.07	23	0
15	16QAM	36	20	21.05	21.16	21.10		
15	16QAM	36	39	21.19	21.17	21.11		
15	16QAM	75	0	21.05	21.17	21.18		
15	64QAM	1	0	21.28	21.06	21.03	23	0
15	64QAM	1	37	21.23	21.26	21.30		
15	64QAM	1	74	21.22	21.16	21.05		
15	64QAM	36	0	21.26	21.00	21.27	23	0
15	64QAM	36	20	21.10	21.12	21.26		
15	64QAM	36	39	21.07	21.16	21.24		
15	64QAM	75	0	21.06	21.11	21.13		
15	256QAM	1	0	19.53	19.81	19.77	21	2
15	256QAM	1	37	19.95	19.57	19.50		
15	256QAM	1	74	19.74	19.77	19.49		
15	256QAM	36	0	19.64	19.76	19.58	21	2
15	256QAM	36	20	19.93	19.48	19.77		
15	256QAM	36	39	19.92	19.48	19.70		
15	256QAM	75	0	19.32	19.53	19.37		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.26	21.06	21.21	23	0
10	QPSK	1	25	21.25	21.03	21.07		
10	QPSK	1	49	21.22	21.21	21.06		
10	QPSK	25	0	21.09	21.00	21.03	23	0
10	QPSK	25	12	21.14	21.18	21.24		
10	QPSK	25	25	21.12	21.06	21.08		
10	QPSK	50	0	21.30	21.03	21.15		
10	16QAM	1	0	21.25	21.08	21.14	23	0
10	16QAM	1	25	21.10	21.05	21.05		
10	16QAM	1	49	21.21	21.11	21.12		
10	16QAM	25	0	21.17	21.11	21.00	23	0
10	16QAM	25	12	21.22	21.25	21.22		
10	16QAM	25	25	21.20	21.13	21.07		
10	16QAM	50	0	21.19	21.11	21.03		
10	64QAM	1	0	21.26	21.29	21.26	23	0
10	64QAM	1	25	21.22	21.30	21.26		
10	64QAM	1	49	21.14	21.25	21.23		
10	64QAM	25	0	21.09	21.05	21.07	23	0
10	64QAM	25	12	21.14	21.24	21.27		
10	64QAM	25	25	21.13	21.03	21.08		
10	64QAM	50	0	21.16	21.27	21.05		
10	256QAM	1	0	19.79	19.71	19.63	21	2
10	256QAM	1	25	19.96	19.80	19.38		
10	256QAM	1	49	19.84	19.69	19.41		
10	256QAM	25	0	19.64	19.49	19.49	21	2
10	256QAM	25	12	19.69	19.54	19.76		
10	256QAM	25	25	19.93	19.55	19.65		
10	256QAM	50	0	19.62	19.47	19.26		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.30	21.18	21.09	23	0
5	QPSK	1	12	21.24	21.08	21.09		
5	QPSK	1	24	21.21	21.09	21.05		
5	QPSK	12	0	21.29	21.03	21.13	23	0
5	QPSK	12	7	21.24	21.27	21.07		
5	QPSK	12	13	21.20	21.08	21.08		
5	QPSK	25	0	21.30	21.11	21.16		
5	16QAM	1	0	21.14	21.05	21.10	23	0
5	16QAM	1	12	21.00	21.16	21.18		
5	16QAM	1	24	21.10	21.11	21.00		
5	16QAM	12	0	21.15	21.04	21.00	23	0
5	16QAM	12	7	21.00	21.30	21.21		
5	16QAM	12	13	21.16	21.22	21.07		
5	16QAM	25	0	21.09	21.11	21.08		
5	64QAM	1	0	21.22	21.20	21.24	23	0
5	64QAM	1	12	21.28	21.20	21.06		
5	64QAM	1	24	21.30	21.25	21.06		
5	64QAM	12	0	21.22	21.12	21.15	23	0
5	64QAM	12	7	21.15	21.23	21.02		
5	64QAM	12	13	21.14	21.02	21.01		
5	64QAM	25	0	21.09	21.22	21.22		
5	256QAM	1	0	19.83	19.73	19.73	21	2
5	256QAM	1	12	19.80	19.82	19.34		
5	256QAM	1	24	19.92	19.54	19.32		
5	256QAM	12	0	19.62	19.71	19.67	21	2
5	256QAM	12	7	19.92	19.73	19.78		
5	256QAM	12	13	19.79	19.67	19.46		
5	256QAM	25	0	19.49	19.46	19.52		

0.1

Band 7_Ant 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				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	21.28	21.10	21.14	23	0
20	QPSK	1	49	21.27	21.07	21.13		
20	QPSK	1	99	21.31	21.12	21.15		
20	QPSK	50	0	21.25	21.05	21.06	23	0
20	QPSK	50	24	21.28	21.10	21.13		
20	QPSK	50	50	21.24	21.09	21.12		
20	QPSK	100	0	21.25	21.16	21.14		
20	16QAM	1	0	21.19	21.11	21.11	23	0
20	16QAM	1	49	21.08	21.12	21.10		
20	16QAM	1	99	21.10	21.15	21.05		
20	16QAM	50	0	21.05	21.11	21.12	23	0
20	16QAM	50	24	21.14	21.14	21.09		
20	16QAM	50	50	21.18	21.13	21.04		
20	16QAM	100	0	21.15	21.13	21.21		
20	64QAM	1	0	21.30	21.21	21.09	23	0
20	64QAM	1	49	21.21	21.25	21.22		
20	64QAM	1	99	21.27	21.24	21.21		
20	64QAM	50	0	21.08	21.09	21.15	23	0
20	64QAM	50	24	21.11	21.14	21.18		
20	64QAM	50	50	21.02	21.13	21.15		
20	64QAM	100	0	21.05	21.11	21.05		
20	256QAM	1	0	19.67	19.71	19.74	21	2
20	256QAM	1	49	19.89	19.66	19.51		
20	256QAM	1	99	19.79	19.72	19.45		
20	256QAM	50	0	19.69	19.59	19.49	21	2
20	256QAM	50	24	19.79	19.63	19.62		
20	256QAM	50	50	19.84	19.61	19.58		
20	256QAM	100	0	19.50	19.62	19.41		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.25	21.07	21.10	23	0
15	QPSK	1	37	21.16	21.02	21.17		
15	QPSK	1	74	21.30	21.04	21.07		
15	QPSK	36	0	21.30	21.09	21.07	23	0
15	QPSK	36	20	21.30	21.13	21.02		
15	QPSK	36	39	21.15	21.00	21.03		
15	QPSK	75	0	21.25	21.27	21.05		
15	16QAM	1	0	21.27	21.12	21.01	23	0
15	16QAM	1	37	21.01	21.22	21.08		
15	16QAM	1	74	21.07	21.11	21.16		
15	16QAM	36	0	21.09	21.05	21.07	23	0
15	16QAM	36	20	21.05	21.16	21.10		
15	16QAM	36	39	21.19	21.17	21.11		
15	16QAM	75	0	21.05	21.17	21.18		
15	64QAM	1	0	21.28	21.06	21.03	23	0
15	64QAM	1	37	21.23	21.26	21.30		
15	64QAM	1	74	21.22	21.16	21.05		
15	64QAM	36	0	21.26	21.00	21.27	23	0
15	64QAM	36	20	21.10	21.12	21.26		
15	64QAM	36	39	21.07	21.16	21.24		
15	64QAM	75	0	21.06	21.11	21.13		
15	256QAM	1	0	19.53	19.81	19.77	21	2
15	256QAM	1	37	19.95	19.57	19.50		
15	256QAM	1	74	19.74	19.77	19.49		
15	256QAM	36	0	19.64	19.76	19.58	21	2
15	256QAM	36	20	19.93	19.48	19.77		
15	256QAM	36	39	19.92	19.48	19.70		
15	256QAM	75	0	19.32	19.53	19.37		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.26	21.06	21.21	23	0
10	QPSK	1	25	21.25	21.03	21.07		
10	QPSK	1	49	21.22	21.21	21.06		
10	QPSK	25	0	21.09	21.00	21.03	23	0
10	QPSK	25	12	21.14	21.18	21.24		
10	QPSK	25	25	21.12	21.06	21.08		
10	QPSK	50	0	21.30	21.03	21.15		
10	16QAM	1	0	21.25	21.08	21.14	23	0
10	16QAM	1	25	21.10	21.05	21.05		
10	16QAM	1	49	21.21	21.11	21.12		
10	16QAM	25	0	21.17	21.11	21.00	23	0
10	16QAM	25	12	21.22	21.25	21.22		
10	16QAM	25	25	21.20	21.13	21.07		
10	16QAM	50	0	21.19	21.11	21.03		
10	64QAM	1	0	21.26	21.29	21.26	23	0
10	64QAM	1	25	21.22	21.30	21.26		
10	64QAM	1	49	21.14	21.25	21.23		
10	64QAM	25	0	21.09	21.05	21.07	23	0
10	64QAM	25	12	21.14	21.24	21.27		
10	64QAM	25	25	21.13	21.03	21.08		
10	64QAM	50	0	21.16	21.27	21.05		
10	256QAM	1	0	19.79	19.71	19.63	21	2
10	256QAM	1	25	19.96	19.80	19.38		
10	256QAM	1	49	19.84	19.69	19.41		
10	256QAM	25	0	19.64	19.49	19.49	21	2
10	256QAM	25	12	19.69	19.54	19.76		
10	256QAM	25	25	19.93	19.55	19.65		
10	256QAM	50	0	19.62	19.47	19.26		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.30	21.18	21.09	23	0
5	QPSK	1	12	21.24	21.08	21.09		
5	QPSK	1	24	21.21	21.09	21.05		
5	QPSK	12	0	21.29	21.03	21.13	23	0
5	QPSK	12	7	21.24	21.27	21.07		
5	QPSK	12	13	21.20	21.08	21.08		
5	QPSK	25	0	21.30	21.11	21.16		
5	16QAM	1	0	21.14	21.05	21.10	23	0
5	16QAM	1	12	21.00	21.16	21.18		
5	16QAM	1	24	21.10	21.11	21.00		
5	16QAM	12	0	21.15	21.04	21.00	23	0
5	16QAM	12	7	21.00	21.30	21.21		
5	16QAM	12	13	21.16	21.22	21.07		
5	16QAM	25	0	21.09	21.11	21.08		
5	64QAM	1	0	21.22	21.20	21.24	23	0
5	64QAM	1	12	21.28	21.20	21.06		
5	64QAM	1	24	21.30	21.25	21.06		
5	64QAM	12	0	21.22	21.12	21.15	23	0
5	64QAM	12	7	21.15	21.23	21.02		
5	64QAM	12	13	21.14	21.02	21.01		
5	64QAM	25	0	21.09	21.22	21.22		
5	256QAM	1	0	19.83	19.73	19.73	21	2
5	256QAM	1	12	19.80	19.82	19.34		
5	256QAM	1	24	19.92	19.54	19.32		
5	256QAM	12	0	19.62	19.71	19.67	21	2
5	256QAM	12	7	19.92	19.73	19.78		
5	256QAM	12	13	19.79	19.67	19.46		
5	256QAM	25	0	19.49	19.46	19.52		

Band 12_Ant 0

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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.24	19.38	19.17	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 12_Ant 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				23060	23095	23130		
Frequency (MHz)				704	707.5	711		
10	QPSK	1	0	21.22	21.35	21.45	23	0
10	QPSK	1	25	21.42	21.55	21.50		
10	QPSK	1	49	21.51	21.57	21.53		
10	QPSK	25	0	21.27	21.38	21.47	23	0
10	QPSK	25	12	21.42	21.55	21.51		
10	QPSK	25	25	21.40	21.44	21.44		
10	QPSK	50	0	21.39	21.52	21.48		
10	16QAM	1	0	21.37	21.55	21.40	23	0
10	16QAM	1	25	21.25	21.51	21.48		
10	16QAM	1	49	21.23	21.50	21.29		
10	16QAM	25	0	21.22	21.41	21.25	23	0
10	16QAM	25	12	21.43	21.51	21.27		
10	16QAM	25	25	21.35	21.48	21.37		
10	16QAM	50	0	21.32	21.45	21.53		
10	64QAM	1	0	21.34	21.47	21.54	23	0
10	64QAM	1	25	21.32	21.53	21.48		
10	64QAM	1	49	21.34	21.53	21.31		
10	64QAM	25	0	21.43	21.38	21.11	23	0
10	64QAM	25	12	21.46	21.42	21.40		
10	64QAM	25	25	21.35	21.42	21.49		
10	64QAM	50	0	21.28	21.43	21.38		
10	256QAM	1	0	19.02	19.25	19.20	21	2
10	256QAM	1	25	19.37	19.47	19.19		
10	256QAM	1	49	19.44	19.46	19.39		
10	256QAM	25	0	19.21	19.47	19.45	21	2
10	256QAM	25	12	19.57	19.61	19.65		
10	256QAM	25	25	19.60	19.63	19.49		
10	256QAM	50	0	19.47	19.46	19.50		
Channel				23035	23095	23155	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				701.5	707.5	713.5		
5	QPSK	1	0	21.22	21.12	21.22	23	0
5	QPSK	1	12	21.47	21.50	21.24		
5	QPSK	1	24	21.44	21.47	21.32		
5	QPSK	12	0	21.34	21.21	21.46	23	0
5	QPSK	12	7	21.45	21.33	21.48		
5	QPSK	12	13	21.25	21.20	21.20		
5	QPSK	25	0	21.34	21.33	21.48		
5	16QAM	1	0	21.12	21.32	21.38	23	0
5	16QAM	1	12	21.10	21.30	21.44		
5	16QAM	1	24	21.29	21.43	21.21		
5	16QAM	12	0	21.12	21.20	21.02	23	0
5	16QAM	12	7	21.49	21.49	21.09		
5	16QAM	12	13	21.26	21.46	21.33		
5	16QAM	25	0	21.27	21.19	21.36		
5	64QAM	1	0	21.24	21.49	21.36	23	0
5	64QAM	1	12	21.28	21.54	21.23		
5	64QAM	1	24	21.34	21.49	21.17		
5	64QAM	12	0	21.16	21.39	21.01	23	0
5	64QAM	12	7	21.38	21.21	21.36		
5	64QAM	12	13	21.43	21.27	21.23		
5	64QAM	25	0	21.04	21.17	21.12		
5	256QAM	1	0	19.09	19.17	19.24	21	2
5	256QAM	1	12	19.41	19.30	19.21		
5	256QAM	1	24	19.51	19.21	19.45		
5	256QAM	12	0	19.44	19.38	19.37	21	2
5	256QAM	12	7	19.50	19.46	19.67		
5	256QAM	12	13	19.34	19.57	19.56		
5	256QAM	25	0	19.45	19.42	19.46		
Channel				23025	23095	23165	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				700.5	707.5	714.5		
3	QPSK	1	0	21.01	21.20	21.20	23	0
3	QPSK	1	8	21.40	21.35	21.48		
3	QPSK	1	14	21.39	21.50	21.43		
3	QPSK	8	0	21.25	21.29	21.29	23	0
3	QPSK	8	4	21.43	21.28	21.28		
3	QPSK	8	7	21.37	21.18	21.17		
3	QPSK	15	0	21.23	21.32	21.22		
3	16QAM	1	0	21.37	21.47	21.15	23	0
3	16QAM	1	8	21.09	21.51	21.41		
3	16QAM	1	14	21.16	21.25	21.37		
3	16QAM	8	0	21.16	21.44	21.18	23	0
3	16QAM	8	4	21.42	21.53	21.20		
3	16QAM	8	7	21.29	21.56	21.25		
3	16QAM	15	0	21.32	21.45	21.38		
3	64QAM	1	0	21.31	21.35	21.40	23	0
3	64QAM	1	8	21.07	21.29	21.36		
3	64QAM	1	14	21.17	21.50	21.13		
3	64QAM	8	0	21.33	21.11	21.14	23	0
3	64QAM	8	4	21.21	21.24	21.26		
3	64QAM	8	7	21.32	21.49	21.51		
3	64QAM	15	0	21.08	21.19	21.42		
3	256QAM	1	0	19.04	19.25	19.28	21	2
3	256QAM	1	8	19.36	19.54	19.18		
3	256QAM	1	14	19.26	19.41	19.24		
3	256QAM	8	0	19.16	19.53	19.19	21	2
3	256QAM	8	4	19.44	19.52	19.47		
3	256QAM	8	7	19.62	19.44	19.33		
3	256QAM	15	0	19.27	19.50	19.43		
Channel				23017	23095	23173	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				699.7	707.5	715.3		
1.4	QPSK	1	0	21.17	21.29	21.42	23	0
1.4	QPSK	1	3	21.48	21.42	21.55		
1.4	QPSK	1	5	21.44	21.31	21.39		
1.4	QPSK	3	0	21.22	21.36	21.35		
1.4	QPSK	3	1	21.44	21.54	21.34		
1.4	QPSK	3	3	21.38	21.21	21.50		
1.4	QPSK	6	0	21.29	21.47	21.25	23	0
1.4	16QAM	1	0	21.38	21.33	21.37	23	0
1.4	16QAM	1	3	21.18	21.34	21.54		
1.4	16QAM	1	5	21.03	21.28	21.37		
1.4	16QAM	3	0	21.29	21.30	21.08		
1.4	16QAM	3	1	21.40	21.49	21.20		
1.4	16QAM	3	3	21.22	21.35	21.41		
1.4	16QAM	6	0	21.31	21.49	21.43	23	0
1.4	64QAM	1	0	21.06	21.54	21.37	23	0
1.4	64QAM	1	3	21.32	21.37	21.24		
1.4	64QAM	1	5	21.25	21.27	21.32		
1.4	64QAM	3	0	21.37	21.27	21.26		
1.4	64QAM	3	1	21.38	21.26	21.43		
1.4	64QAM	3	3	21.22	21.20	21.52		
1.4	64QAM	6	0	21.27	21.15	21.25	23	0
1.4	256QAM	1	0	19.15	19.13	19.14	21	2
1.4	256QAM	1	3	19.09	19.53	19.20		
1.4	256QAM	1	5	19.39	19.22	19.15		
1.4	256QAM	3	0	19.15	19.44	19.23		
1.4	256QAM	3	1	19.48	19.65	19.55		
1.4	256QAM	3	3	19.47	19.71	19.43		
1.4	256QAM	6	0	19.23	19.49	19.36	21	2

Band 13_Ant 0

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)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 13_Ant 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					23230			
Frequency (MHz)					782			
10	QPSK	1	0		21.38		23	0
10	QPSK	1	25		21.65			
10	QPSK	1	49		21.33			
10	QPSK	25	0		21.46		23	0
10	QPSK	25	12		21.58			
10	QPSK	25	25		21.41			
10	QPSK	50	0		21.44			
10	16QAM	1	0		21.58		23	0
10	16QAM	1	25		21.56			
10	16QAM	1	49		21.52			
10	16QAM	25	0		21.48		23	0
10	16QAM	25	12		21.60			
10	16QAM	25	25		21.41			
10	16QAM	50	0		21.48			
10	64QAM	1	0		21.45		23	0
10	64QAM	1	25		21.62			
10	64QAM	1	49		21.43			
10	64QAM	25	0		21.49		23	0
10	64QAM	25	12		21.50			
10	64QAM	25	25		21.42			
10	64QAM	50	0		21.48			
10	256QAM	1	0		19.31		21	2
10	256QAM	1	25		19.57			
10	256QAM	1	49		19.32			
10	256QAM	25	0		19.52		21	2
10	256QAM	25	12		19.64			
10	256QAM	25	25		19.49			
10	256QAM	50	0		19.53			
Channel				23205	23230	23255	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				779.5	782	784.5		
5	QPSK	1	0	21.35	21.42	21.39	23	0
5	QPSK	1	12	21.56	21.45	21.52		
5	QPSK	1	24	21.08	21.13	21.26		
5	QPSK	12	0	21.27	21.45	21.50	23	0
5	QPSK	12	7	21.48	21.39	21.59		
5	QPSK	12	13	21.39	21.46	21.32		
5	QPSK	25	0	21.40	21.35	21.38		
5	16QAM	1	0	21.33	21.32	21.48	23	0
5	16QAM	1	12	21.50	21.45	21.28		
5	16QAM	1	24	21.38	21.57	21.52		
5	16QAM	12	0	21.21	21.20	21.34	23	0
5	16QAM	12	7	21.34	21.64	21.37		
5	16QAM	12	13	21.46	21.37	21.47		
5	16QAM	25	0	21.39	21.30	21.24		
5	64QAM	1	0	21.29	21.50	21.23	23	0
5	64QAM	1	12	21.34	21.56	21.59		
5	64QAM	1	24	21.28	21.42	21.18		
5	64QAM	12	0	21.45	21.56	21.31	23	0
5	64QAM	12	7	21.31	21.27	21.50		
5	64QAM	12	13	21.35	21.41	21.38		
5	64QAM	25	0	21.35	21.23	21.54		
5	256QAM	1	0	19.32	19.32	19.20	21	2
5	256QAM	1	12	19.40	19.45	19.32		
5	256QAM	1	24	19.17	19.39	19.09		
5	256QAM	12	0	19.31	19.49	19.30	21	2
5	256QAM	12	7	19.37	19.69	19.42		
5	256QAM	12	13	19.55	19.52	19.34		
5	256QAM	25	0	19.34	19.44	19.45		

Band 30_Ant 1

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			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 30_Ant 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					27710			
Frequency (MHz)					2310			
10	QPSK	1	0		21.82		23	0
10	QPSK	1	25		21.48			
10	QPSK	1	49		22.41			
10	QPSK	25	0		21.81		23	0
10	QPSK	25	12		21.68			
10	QPSK	25	25		22.07			
10	QPSK	50	0		22.01			
10	16QAM	1	0		21.96		23	0
10	16QAM	1	25		21.51			
10	16QAM	1	49		22.38			
10	16QAM	25	0		21.75		23	0
10	16QAM	25	12		21.65			
10	16QAM	25	25		22.02			
10	16QAM	50	0		21.84			
10	64QAM	1	0		22.15		23	0
10	64QAM	1	25		21.82			
10	64QAM	1	49		22.31			
10	64QAM	25	0		21.72		23	0
10	64QAM	25	12		21.64			
10	64QAM	25	25		21.95			
10	64QAM	50	0		21.78			
10	256QAM	1	0		20.70		21	2
10	256QAM	1	25		20.32			
10	256QAM	1	49		20.68			
10	256QAM	25	0		20.27		21	2
10	256QAM	25	12		20.15			
10	256QAM	25	25		20.54			
10	256QAM	50	0		20.36			
Channel				27685	27710	27735	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2307.5	2310	2312.5		
5	QPSK	1	0	21.91	21.61	21.43	23	0
5	QPSK	1	12	21.85	21.46	22.18		
5	QPSK	1	24	21.46	21.91	22.40		
5	QPSK	12	0	21.91	21.55	21.71	23	0
5	QPSK	12	7	21.75	21.58	22.19		
5	QPSK	12	13	21.56	21.74	22.31		
5	QPSK	25	0	21.73	21.67	22.11		
5	16QAM	1	0	21.92	21.78	21.30	23	0
5	16QAM	1	12	21.63	21.63	21.97		
5	16QAM	1	24	21.33	22.06	22.16		
5	16QAM	12	0	21.99	21.53	21.79	23	0
5	16QAM	12	7	21.62	21.61	22.18		
5	16QAM	12	13	21.59	21.75	22.14		
5	16QAM	25	0	21.63	21.61	21.96		
5	64QAM	1	0	21.64	21.95	21.39	23	0
5	64QAM	1	12	21.60	21.79	22.15		
5	64QAM	1	24	21.45	21.66	22.30		
5	64QAM	12	0	21.77	21.47	21.49	23	0
5	64QAM	12	7	21.75	21.48	22.00		
5	64QAM	12	13	21.32	21.65	22.06		
5	64QAM	25	0	21.55	21.62	22.06		
5	256QAM	1	0	20.42	20.41	20.24	21	2
5	256QAM	1	12	20.03	20.28	20.36		
5	256QAM	1	24	20.67	20.67	20.59		
5	256QAM	12	0	20.02	20.02	20.06	21	2
5	256QAM	12	7	19.87	20.06	19.95		
5	256QAM	12	13	20.13	20.24	20.17		
5	256QAM	25	0	19.83	20.11	20.09		

Band 66_Ant 1

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	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 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				132072	132322	132572		
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	0	21.19	21.38	21.39	23	0
20	QPSK	1	49	21.15	21.35	21.36		
20	QPSK	1	99	21.11	21.31	21.28		
20	QPSK	50	0	21.15	21.26	21.33	23	0
20	QPSK	50	24	21.17	21.34	21.37		
20	QPSK	50	50	21.13	21.31	21.36		
20	QPSK	100	0	21.10	21.31	21.35		
20	16QAM	1	0	21.18	21.22	21.08	23	0
20	16QAM	1	49	21.14	21.15	21.21		
20	16QAM	1	99	21.13	21.06	21.19		
20	16QAM	50	0	21.03	21.23	21.16	23	0
20	16QAM	50	24	21.18	21.26	21.14		
20	16QAM	50	50	21.20	21.33	21.27		
20	16QAM	100	0	21.10	21.26	21.33		
20	64QAM	1	0	21.12	21.17	21.14	23	0
20	64QAM	1	49	21.18	21.13	21.04		
20	64QAM	1	99	21.16	21.01	21.05		
20	64QAM	50	0	21.15	21.23	21.23	23	0
20	64QAM	50	24	21.28	21.21	21.09		
20	64QAM	50	50	21.20	21.29	21.20		
20	64QAM	100	0	21.09	21.31	21.10		
20	256QAM	1	0	19.14	19.14	19.15	21	2
20	256QAM	1	49	19.23	19.25	19.32		
20	256QAM	1	99	19.10	19.17	19.12		
20	256QAM	50	0	19.20	19.17	19.20	21	2
20	256QAM	50	24	19.03	19.23	19.25		
20	256QAM	50	50	19.12	19.28	19.11		
20	256QAM	100	0	19.23	19.24	19.03		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.35	21.20	21.36	23	0
15	QPSK	1	37	21.00	21.32	21.28		
15	QPSK	1	74	21.04	21.18	21.21		
15	QPSK	36	0	21.27	21.15	21.30	23	0
15	QPSK	36	20	21.32	21.24	21.35		
15	QPSK	36	39	21.07	21.16	21.26		
15	QPSK	75	0	21.06	21.20	21.30		
15	16QAM	1	0	21.29	21.16	21.09	23	0
15	16QAM	1	37	21.25	21.12	21.37		
15	16QAM	1	74	21.00	21.04	21.20		
15	16QAM	36	0	21.13	21.30	21.34	23	0
15	16QAM	36	20	21.30	21.15	21.07		
15	16QAM	36	39	21.32	21.20	21.18		
15	16QAM	75	0	21.24	21.33	21.34		
15	64QAM	1	0	21.19	21.03	21.25	23	0
15	64QAM	1	37	21.16	21.23	21.10		
15	64QAM	1	74	21.28	21.06	21.01		
15	64QAM	36	0	21.13	21.13	21.10	23	0
15	64QAM	36	20	21.20	21.14	21.05		
15	64QAM	36	39	21.36	21.35	21.31		
15	64QAM	75	0	21.21	21.20	21.23		
15	256QAM	1	0	19.06	19.22	19.28	21	2
15	256QAM	1	37	19.23	19.27	19.14		
15	256QAM	1	74	19.22	19.09	19.16		
15	256QAM	36	0	19.33	19.20	19.18	21	2
15	256QAM	36	20	19.20	19.24	19.38		
15	256QAM	36	39	19.09	19.35	19.02		
15	256QAM	75	0	19.21	19.09	19.02		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.09	21.20	21.37	23	0
10	QPSK	1	25	21.02	21.17	21.23		
10	QPSK	1	49	21.09	21.37	21.26		
10	QPSK	25	0	21.06	21.18	21.25	23	0
10	QPSK	25	12	21.20	21.36	21.27		
10	QPSK	25	25	21.02	21.18	21.23		
10	QPSK	50	0	21.08	21.13	21.24		
10	16QAM	1	0	21.31	21.07	21.16	23	0
10	16QAM	1	25	21.11	21.06	21.22		
10	16QAM	1	49	21.11	21.09	21.31		
10	16QAM	25	0	21.01	21.21	21.09	23	0
10	16QAM	25	12	21.32	21.14	21.10		
10	16QAM	25	25	21.21	21.32	21.16		
10	16QAM	50	0	21.00	21.24	21.22		
10	64QAM	1	0	21.09	21.09	21.24	23	0
10	64QAM	1	25	21.18	21.27	21.22		
10	64QAM	1	49	21.02	21.00	21.00		
10	64QAM	25	0	21.17	21.20	21.30	23	0
10	64QAM	25	12	21.36	21.15	21.08		
10	64QAM	25	25	21.13	21.17	21.24		
10	64QAM	50	0	21.01	21.36	21.03		
10	256QAM	1	0	19.25	19.06	19.20	21	2
10	256QAM	1	25	19.18	19.33	19.46		
10	256QAM	1	49	19.08	19.20	19.29		
10	256QAM	25	0	19.04	19.16	19.03	21	2
10	256QAM	25	12	19.10	19.27	19.39		
10	256QAM	25	25	19.19	19.25	19.17		
10	256QAM	50	0	19.14	19.29	19.15		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.22	21.27	21.36	23	0
5	QPSK	1	12	21.11	21.30	21.36		
5	QPSK	1	24	21.04	21.22	21.11		
5	QPSK	12	0	21.03	21.23	21.26	23	0
5	QPSK	12	7	21.00	21.26	21.30		
5	QPSK	12	13	21.07	21.21	21.36		
5	QPSK	25	0	21.13	21.32	21.36		
5	16QAM	1	0	21.33	21.06	21.05	23	0
5	16QAM	1	12	21.04	21.24	21.06		
5	16QAM	1	24	21.09	21.22	21.30		
5	16QAM	12	0	21.00	21.17	21.06	23	0
5	16QAM	12	7	21.13	21.20	21.06		
5	16QAM	12	13	21.25	21.31	21.29		
5	16QAM	25	0	21.09	21.21	21.20		
5	64QAM	1	0	21.08	21.15	21.00	23	0
5	64QAM	1	12	21.16	21.31	21.01		
5	64QAM	1	24	21.25	21.15	21.03		
5	64QAM	12	0	21.33	21.18	21.20	23	0
5	64QAM	12	7	21.13	21.09	21.22		
5	64QAM	12	13	21.23	21.33	21.33		
5	64QAM	25	0	21.12	21.18	21.11		
5	256QAM	1	0	19.00	19.08	19.23	21	2
5	256QAM	1	12	19.33	19.25	19.49		
5	256QAM	1	24	19.17	19.02	19.04		
5	256QAM	12	0	19.09	19.23	19.30	21	2
5	256QAM	12	7	19.06	19.28	19.20		
5	256QAM	12	13	19.04	19.12	19.06		
5	256QAM	25	0	19.41	19.27	19.16		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.02	21.32	21.21	23	0
3	QPSK	1	8	21.12	21.26	21.27		
3	QPSK	1	14	21.08	21.31	21.13		
3	QPSK	8	0	21.04	21.30	21.23	23	0
3	QPSK	8	4	21.13	21.23	21.29		
3	QPSK	8	7	21.24	21.34	21.20		
3	QPSK	15	0	21.28	21.16	21.20		
3	16QAM	1	0	21.36	21.30	21.16	23	0
3	16QAM	1	8	21.32	21.30	21.20		
3	16QAM	1	14	21.00	21.18	21.37		
3	16QAM	8	0	21.09	21.35	21.02	23	0
3	16QAM	8	4	21.22	21.24	21.09		
3	16QAM	8	7	21.24	21.17	21.22		
3	16QAM	15	0	21.14	21.09	21.35		
3	64QAM	1	0	21.29	21.07	21.31	23	0
3	64QAM	1	8	21.00	21.17	21.21		
3	64QAM	1	14	21.16	21.06	21.08		
3	64QAM	8	0	21.15	21.26	21.05	23	0
3	64QAM	8	4	21.22	21.28	21.07		
3	64QAM	8	7	21.20	21.29	21.14		
3	64QAM	15	0	21.14	21.16	21.13		
3	256QAM	1	0	19.21	19.19	19.03	21	2
3	256QAM	1	8	19.10	19.42	19.25		
3	256QAM	1	14	19.20	19.19	19.02		
3	256QAM	8	0	19.09	19.25	19.35	21	2
3	256QAM	8	4	19.07	19.14	19.10		
3	256QAM	8	7	19.28	19.21	19.04		
3	256QAM	15	0	19.30	19.07	19.04		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.01	21.29	21.35	23	0
1.4	QPSK	1	3	21.30	21.20	21.20		
1.4	QPSK	1	5	21.07	21.20	21.28		
1.4	QPSK	3	0	21.13	21.20	21.18		
1.4	QPSK	3	1	21.11	21.31	21.30		
1.4	QPSK	3	3	21.16	21.35	21.36		
1.4	QPSK	6	0	21.24	21.20	21.34	23	0
1.4	16QAM	1	0	21.32	21.30	21.03	23	0
1.4	16QAM	1	3	21.01	21.23	21.24		
1.4	16QAM	1	5	21.27	21.14	21.19		
1.4	16QAM	3	0	21.01	21.20	21.09		
1.4	16QAM	3	1	21.13	21.21	21.31		
1.4	16QAM	3	3	21.36	21.31	21.18		
1.4	16QAM	6	0	21.11	21.28	21.20	23	0
1.4	64QAM	1	0	21.23	21.14	21.16	23	0
1.4	64QAM	1	3	21.13	21.04	21.08		
1.4	64QAM	1	5	21.22	21.09	21.23		
1.4	64QAM	3	0	21.01	21.30	21.35		
1.4	64QAM	3	1	21.12	21.32	21.17		
1.4	64QAM	3	3	21.08	21.13	21.29		
1.4	64QAM	6	0	21.25	21.21	21.11	23	0
1.4	256QAM	1	0	19.09	19.31	19.06	21	2
1.4	256QAM	1	3	19.11	19.29	19.46		
1.4	256QAM	1	5	19.03	19.02	19.05		
1.4	256QAM	3	0	19.03	19.28	19.22		
1.4	256QAM	3	1	19.10	19.06	19.43		
1.4	256QAM	3	3	19.25	19.46	19.05		
1.4	256QAM	6	0	19.32	19.42	19.07	21	2

Band 66_Ant 11

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	20.21	20.27	20.45	21.5	0
20	QPSK	1	49	20.12	20.19	20.41		
20	QPSK	1	99	20.16	20.02	20.25		
20	QPSK	50	0	20.15	20.24	20.31	21.5	0
20	QPSK	50	24	20.18	20.25	20.43		
20	QPSK	50	50	20.16	20.21	20.42		
20	QPSK	100	0	20.14	20.26	20.40		
20	16QAM	1	0	20.30	20.38	20.24	21.5	0
20	16QAM	1	49	20.23	20.23	20.38		
20	16QAM	1	99	20.26	20.20	20.24		
20	16QAM	50	0	20.38	20.30	20.35	21.5	0
20	16QAM	50	24	20.37	20.31	20.34		
20	16QAM	50	50	20.23	20.32	20.20		
20	16QAM	100	0	20.13	20.23	20.23		
20	64QAM	1	0	20.34	20.37	20.21	21.5	0
20	64QAM	1	49	20.31	20.38	20.25		
20	64QAM	1	99	20.22	20.33	20.39		
20	64QAM	50	0	20.08	19.94	19.78	21.5	0
20	64QAM	50	24	20.00	19.85	19.95		
20	64QAM	50	50	19.77	19.81	19.73		
20	64QAM	100	0	19.91	19.83	19.91		
20	256QAM	1	0	17.79	17.92	18.03	19.5	2
20	256QAM	1	49	17.94	18.00	17.84		
20	256QAM	1	99	17.75	17.64	17.69		
20	256QAM	50	0	17.80	17.86	17.84	19.5	2
20	256QAM	50	24	18.06	17.92	17.84		
20	256QAM	50	50	18.02	17.85	17.85		
20	256QAM	100	0	17.79	17.82	17.80		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	20.11	20.35	20.33	21.5	0
15	QPSK	1	37	20.20	20.32	20.25		
15	QPSK	1	74	20.27	19.87	20.28		
15	QPSK	36	0	20.05	20.27	20.24	21.5	0
15	QPSK	36	20	20.02	20.09	20.34		
15	QPSK	36	39	20.15	20.08	20.36		
15	QPSK	75	0	20.21	20.21	20.25		
15	16QAM	1	0	20.39	20.23	20.34	21.5	0
15	16QAM	1	37	20.37	20.29	20.33		
15	16QAM	1	74	20.21	20.23	20.23		
15	16QAM	36	0	20.33	20.26	20.22	21.5	0
15	16QAM	36	20	20.20	20.13	20.27		
15	16QAM	36	39	20.18	20.23	20.29		
15	16QAM	75	0	20.00	20.28	20.23		
15	64QAM	1	0	20.24	20.24	20.34	21.5	0
15	64QAM	1	37	20.14	20.20	20.23		
15	64QAM	1	74	20.34	20.28	20.22		
15	64QAM	36	0	19.97	19.90	19.89	21.5	0
15	64QAM	36	20	19.98	19.91	19.99		
15	64QAM	36	39	19.88	19.68	19.76		
15	64QAM	75	0	20.02	19.87	20.07		
15	256QAM	1	0	17.79	17.85	18.10	19.5	2
15	256QAM	1	37	17.78	17.84	17.79		
15	256QAM	1	74	17.66	17.66	17.74		
15	256QAM	36	0	17.81	17.77	17.84	19.5	2
15	256QAM	36	20	17.99	18.08	17.82		
15	256QAM	36	39	18.10	17.86	17.77		
15	256QAM	75	0	17.95	17.68	17.86		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	20.23	20.21	20.29	21.5	0
10	QPSK	1	25	20.17	20.05	20.32		
10	QPSK	1	49	20.00	20.17	20.35		
10	QPSK	25	0	20.16	20.35	20.18	21.5	0
10	QPSK	25	12	20.22	20.16	20.33		
10	QPSK	25	25	20.27	20.39	20.32		
10	QPSK	50	0	20.03	20.35	20.36		
10	16QAM	1	0	20.38	20.34	20.33	21.5	0
10	16QAM	1	25	20.34	20.25	20.35		
10	16QAM	1	49	20.32	20.33	20.20		
10	16QAM	25	0	20.24	20.25	20.20	21.5	0
10	16QAM	25	12	20.28	20.22	20.32		
10	16QAM	25	25	20.15	20.16	20.28		
10	16QAM	50	0	20.13	20.17	20.28		
10	64QAM	1	0	20.33	20.28	20.24	21.5	0
10	64QAM	1	25	20.23	20.32	20.30		
10	64QAM	1	49	20.30	20.23	20.26		
10	64QAM	25	0	20.05	19.80	19.96	21.5	0
10	64QAM	25	12	19.86	19.76	19.94		
10	64QAM	25	25	19.74	19.88	19.78		
10	64QAM	50	0	19.90	19.84	19.75		
10	256QAM	1	0	17.89	17.82	18.16	19.5	2
10	256QAM	1	25	18.01	17.96	18.00		
10	256QAM	1	49	17.81	17.73	17.81		
10	256QAM	25	0	17.66	17.88	17.74	19.5	2
10	256QAM	25	12	17.93	17.92	17.92		
10	256QAM	25	25	17.93	17.90	17.76		
10	256QAM	50	0	17.63	17.79	17.90		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	20.37	20.15	20.39	21.5	0
5	QPSK	1	12	20.21	20.23	20.25		
5	QPSK	1	24	20.26	20.20	20.34		
5	QPSK	12	0	20.31	20.24	20.27	21.5	0
5	QPSK	12	7	20.13	20.16	20.33		
5	QPSK	12	13	20.19	20.06	20.34		
5	QPSK	25	0	20.17	20.33	20.25		
5	16QAM	1	0	20.21	20.21	20.32	21.5	0
5	16QAM	1	12	20.36	20.33	20.24		
5	16QAM	1	24	20.09	20.30	20.32		
5	16QAM	12	0	20.25	20.15	20.28	21.5	0
5	16QAM	12	7	20.24	20.28	20.23		
5	16QAM	12	13	20.26	20.24	20.20		
5	16QAM	25	0	19.95	20.09	20.32		
5	64QAM	1	0	20.20	20.24	20.33	21.5	0
5	64QAM	1	12	20.17	20.31	20.22		
5	64QAM	1	24	20.27	20.29	20.27		
5	64QAM	12	0	20.09	19.83	19.61	21.5	0
5	64QAM	12	7	20.11	19.83	19.97		
5	64QAM	12	13	19.62	19.72	19.90		
5	64QAM	25	0	19.79	19.87	19.79		
5	256QAM	1	0	17.93	18.00	17.96	19.5	2
5	256QAM	1	12	18.06	18.08	18.02		
5	256QAM	1	24	17.77	17.70	17.62		
5	256QAM	12	0	17.98	17.86	17.74	19.5	2
5	256QAM	12	7	18.00	17.91	17.82		
5	256QAM	12	13	17.90	17.78	17.71		
5	256QAM	25	0	17.65	17.67	17.72		
Channel				131987	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	20.10	20.20	20.37	21.5	0
3	QPSK	1	8	20.05	20.26	20.29		
3	QPSK	1	14	20.32	19.91	20.30		
3	QPSK	8	0	20.16	20.07	20.20	21.5	0
3	QPSK	8	4	20.04	20.23	20.33		
3	QPSK	8	7	20.10	20.08	20.34		
3	QPSK	15	0	20.23	20.20	20.31		
3	16QAM	1	0	20.30	20.28	20.27	21.5	0
3	16QAM	1	8	20.28	20.34	20.31		
3	16QAM	1	14	20.27	20.21	20.26		
3	16QAM	8	0	20.36	20.30	20.22	21.5	0
3	16QAM	8	4	20.24	20.38	20.26		
3	16QAM	8	7	20.21	20.15	20.22		
3	16QAM	15	0	20.10	20.35	20.22		
3	64QAM	1	0	20.20	20.35	20.34	21.5	0
3	64QAM	1	8	20.28	20.32	20.27		
3	64QAM	1	14	20.23	20.24	20.33		
3	64QAM	8	0	19.92	19.89	19.83	21.5	0
3	64QAM	8	4	19.87	19.78	19.95		
3	64QAM	8	7	19.74	19.95	19.86		
3	64QAM	15	0	19.97	19.67	20.02		
3	256QAM	1	0	17.84	17.84	18.19	19.5	2
3	256QAM	1	8	18.04	17.88	17.87		
3	256QAM	1	14	17.73	17.75	17.74		
3	256QAM	8	0	17.77	18.02	17.87	19.5	2
3	256QAM	8	4	17.95	18.00	17.68		
3	256QAM	8	7	18.01	17.95	17.88		
3	256QAM	15	0	17.79	17.78	17.90		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	20.34	20.31	20.34	21.5	0
1.4	QPSK	1	3	20.20	20.20	20.33		
1.4	QPSK	1	5	20.02	20.20	20.07		
1.4	QPSK	3	0	20.17	20.20	20.29		
1.4	QPSK	3	1	20.36	20.25	20.39		
1.4	QPSK	3	3	20.25	20.39	20.26		
1.4	QPSK	6	0	20.30	20.18	20.25	21.5	0
1.4	16QAM	1	0	20.28	20.23	20.31	21.5	0
1.4	16QAM	1	3	20.29	20.34	20.30		
1.4	16QAM	1	5	20.14	20.28	20.39		
1.4	16QAM	3	0	20.33	20.25	20.33		
1.4	16QAM	3	1	20.24	20.27	20.36		
1.4	16QAM	3	3	20.20	20.14	20.36		
1.4	16QAM	6	0	20.31	20.16	20.26	21.5	0
1.4	64QAM	1	0	20.24	20.29	20.33	21.5	0
1.4	64QAM	1	3	20.27	20.33	20.20		
1.4	64QAM	1	5	20.24	20.33	20.24		
1.4	64QAM	3	0	19.96	19.89	19.81		
1.4	64QAM	3	1	19.83	19.84	20.00		
1.4	64QAM	3	3	19.88	19.93	19.62		
1.4	64QAM	6	0	19.81	19.96	20.03	21.5	0
1.4	256QAM	1	0	17.95	17.88	18.11	19.5	2
1.4	256QAM	1	3	18.06	18.10	17.86		
1.4	256QAM	1	5	17.69	17.80	17.87		
1.4	256QAM	3	0	17.90	17.82	18.00		
1.4	256QAM	3	1	18.15	17.83	17.89		
1.4	256QAM	3	3	17.87	17.68	17.68		
1.4	256QAM	6	0	17.95	17.93	17.87	19.5	2

Intra-Band CA Power

CA_2C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
18700	18898	QPSK	1	49	0	0	1	0	Full Power	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	Full Power	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	Full Power	24.21	26.00
18700	18898	QPSK	1	49	0	0	1	0	state 10	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	state 10	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	state 10	24.21	26.00
18700	18898	QPSK	1	49	0	0	1	0	state 11	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	state 11	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	state 11	24.21	26.00
18700	18898	QPSK	1	49	0	0	1	0	state 12	23.91	21.50
18900	19098	QPSK	1	49	0	0	1	0	state 12	24.03	21.50
19100	18902	QPSK	1	49	0	0	1	0	state 12	23.76	21.50
18700	18898	QPSK	1	49	0	0	1	0	state 13	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	state 13	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	state 13	24.21	26.00
18700	18898	QPSK	1	49	0	0	1	0	state 14	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	state 14	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	state 14	24.21	26.00

CA_5B_Ant 0											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	25	0	0	1	0	Full Power	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	Full Power	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	Full Power	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 10	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 10	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 10	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 11	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 11	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 11	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 12	23.01	24.50
20575	20476	QPSK	1	25	0	0	1	0	state 12	23.22	24.50
20600	20501	QPSK	1	25	0	0	1	0	state 12	23.17	24.50
20450	20549	QPSK	1	25	0	0	1	0	state 13	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 13	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 13	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 14	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 14	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 14	24.65	26.00

CA_2C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
18700	18898	QPSK	1	49	0	0	1	0	Full Power	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	Full Power	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	Full Power	24.21	26.00
18700	18898	QPSK	1	49	0	0	1	0	state 10	23.55	25.00
18900	19098	QPSK	1	49	0	0	1	0	state 10	23.72	25.00
19100	18902	QPSK	1	49	0	0	1	0	state 10	23.37	25.00
18700	18898	QPSK	1	49	0	0	1	0	state 11	20.49	22.00
18900	19098	QPSK	1	49	0	0	1	0	state 11	20.58	22.00
19100	18902	QPSK	1	49	0	0	1	0	state 11	20.47	22.00
18700	18898	QPSK	1	49	0	0	1	0	state 12	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	state 12	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	state 12	24.21	26.00
18700	18898	QPSK	1	49	0	0	1	0	state 13	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	state 13	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	state 13	24.21	26.00
18700	18898	QPSK	1	49	0	0	1	0	state 14	24.36	26.00
18900	19098	QPSK	1	49	0	0	1	0	state 14	24.48	26.00
19100	18902	QPSK	1	49	0	0	1	0	state 14	24.21	26.00

CA_5B_Ant 2											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	25	0	0	1	0	Full Power	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	Full Power	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	Full Power	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 10	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 10	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 10	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 11	21.51	23.00
20575	20476	QPSK	1	25	0	0	1	0	state 11	21.69	23.00
20600	20501	QPSK	1	25	0	0	1	0	state 11	21.72	23.00
20450	20549	QPSK	1	25	0	0	1	0	state 12	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 12	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 12	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 13	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 13	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 13	24.65	26.00
20450	20549	QPSK	1	25	0	0	1	0	state 14	24.44	26.00
20575	20476	QPSK	1	25	0	0	1	0	state 14	24.59	26.00
20600	20501	QPSK	1	25	0	0	1	0	state 14	24.65	26.00

CA_7C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	0	0	1	0	Full Power	24.16	26.00
21100	21298	QPSK	1	99	0	0	1	0	Full Power	23.90	26.00
21350	21152	QPSK	1	99	0	0	1	0	Full Power	22.59	26.00
20850	21048	QPSK	1	99	0	0	1	0	state 10	24.16	26.00
21100	21298	QPSK	1	99	0	0	1	0	state 10	23.90	26.00
21350	21152	QPSK	1	99	0	0	1	0	state 10	22.59	26.00
20850	21048	QPSK	1	99	0	0	1	0	state 11	24.16	26.00
21100	21298	QPSK	1	99	0	0	1	0	state 11	23.90	26.00
21350	21152	QPSK	1	99	0	0	1	0	state 11	22.59	26.00
20850	21048	QPSK	1	99	0	0	1	0	state 12	19.26	21.00
21100	21298	QPSK	1	99	0	0	1	0	state 12	19.18	21.00
21350	21152	QPSK	1	99	0	0	1	0	state 12	18.94	21.00
20850	21048	QPSK	1	99	0	0	1	0	state 13	21.31	23.00
21100	21298	QPSK	1	99	0	0	1	0	state 13	21.19	23.00
21350	21152	QPSK	1	99	0	0	1	0	state 13	21.11	23.00
20850	21048	QPSK	1	99	0	0	1	0	state 14	21.31	23.00
21100	21298	QPSK	1	99	0	0	1	0	state 14	21.19	23.00
21350	21152	QPSK	1	99	0	0	1	0	state 14	21.11	23.00

CA_66B_Ant 1											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	Full Power	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	Full Power	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	Full Power	24.46	26.00
132047	132140	QPSK	1	0	0	0	1	0	state 10	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	state 10	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	state 10	24.46	26.00
132047	132140	QPSK	1	0	0	0	1	0	state 11	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	state 11	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	state 11	24.46	26.00
132047	132140	QPSK	1	0	0	0	1	0	state 12	21.78	23.00
132322	132415	QPSK	1	0	0	0	1	0	state 12	21.71	23.00
132597	132504	QPSK	1	0	0	0	1	0	state 12	21.92	23.00
132047	132140	QPSK	1	0	0	0	1	0	state 13	23.38	25.00
132322	132415	QPSK	1	0	0	0	1	0	state 13	23.19	25.00
132597	132504	QPSK	1	0	0	0	1	0	state 13	23.15	25.00
132047	132140	QPSK	1	0	0	0	1	0	state 14	23.38	25.00
132322	132415	QPSK	1	0	0	0	1	0	state 14	23.19	25.00
132597	132504	QPSK	1	0	0	0	1	0	state 14	23.15	25.00

CA_7C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
20850	21048	QPSK	1	99	0	0	1	0	Full Power	24.16	26.00
21100	21298	QPSK	1	99	0	0	1	0	Full Power	23.90	26.00
21350	21152	QPSK	1	99	0	0	1	0	Full Power	22.59	26.00
20850	21048	QPSK	1	99	0	0	1	0	state 10	18.45	20.00
21100	21298	QPSK	1	99	0	0	1	0	state 10	18.53	20.00
21350	21152	QPSK	1	99	0	0	1	0	state 10	18.68	20.00
20850	21048	QPSK	1	99	0	0	1	0	state 11	15.68	17.00
21100	21298	QPSK	1	99	0	0	1	0	state 11	15.62	17.00
21350	21152	QPSK	1	99	0	0	1	0	state 11	15.73	17.00
20850	21048	QPSK	1	99	0	0	1	0	state 12	21.01	22.50
21100	21298	QPSK	1	99	0	0	1	0	state 12	20.93	22.50
21350	21152	QPSK	1	99	0	0	1	0	state 12	20.83	22.50
20850	21048	QPSK	1	99	0	0	1	0	state 13	22.94	24.50
21100	21298	QPSK	1	99	0	0	1	0	state 13	22.89	24.50
21350	21152	QPSK	1	99	0	0	1	0	state 13	22.84	24.50
20850	21048	QPSK	1	99	0	0	1	0	state 14	22.94	22.50
21100	21298	QPSK	1	99	0	0	1	0	state 14	22.89	22.50
21350	21152	QPSK	1	99	0	0	1	0	state 14	22.84	22.50

CA_66B_Ant 2											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132047	132140	QPSK	1	0	0	0	1	0	Full Power	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	Full Power	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	Full Power	24.46	26.00
132047	132140	QPSK	1	0	0	0	1	0	state 10	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	state 10	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	state 10	24.46	26.00
132047	132140	QPSK	1	0	0	0	1	0	state 11	23.06	24.50
132322	132415	QPSK	1	0	0	0	1	0	state 11	22.95	24.50
132597	132504	QPSK	1	0	0	0	1	0	state 11	23.10	24.50
132047	132140	QPSK	1	0	0	0	1	0	state 12	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	state 12	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	state 12	24.46	26.00
132047	132140	QPSK	1	0	0	0	1	0	state 13	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	state 13	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	state 13	24.46	26.00
132047	132140	QPSK	1	0	0	0	1	0	state 14	24.37	26.00
132322	132415	QPSK	1	0	0	0	1	0	state 14	24.30	26.00
132597	132504	QPSK	1	0	0	0	1	0	state 14	24.46	26.00

CA_66C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full Power	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	Full Power	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	Full Power	24.51	26.00
132072	132270	QPSK	1	0	0	0	1	0	state 10	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	state 10	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	state 10	24.51	26.00
132072	132270	QPSK	1	0	0	0	1	0	state 11	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	state 11	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	state 11	24.51	26.00
132072	132270	QPSK	1	0	0	0	1	0	state 12	21.83	23.00
132322	132520	QPSK	1	0	0	0	1	0	state 12	21.73	23.00
132572	132374	QPSK	1	0	0	0	1	0	state 12	21.95	23.00
132072	132270	QPSK	1	0	0	0	1	0	state 13	23.42	25.00
132322	132520	QPSK	1	0	0	0	1	0	state 13	23.22	25.00
132572	132374	QPSK	1	0	0	0	1	0	state 13	23.18	25.00
132072	132270	QPSK	1	0	0	0	1	0	state 14	23.42	25.00
132322	132520	QPSK	1	0	0	0	1	0	state 14	23.22	25.00
132572	132374	QPSK	1	0	0	0	1	0	state 14	23.18	25.00

CA_38C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	1	0	Full Power	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	Full Power	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	Full Power	24.98	26.00
37850	38048	QPSK	1	49	0	0	1	0	state 10	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	state 10	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	state 10	24.98	26.00
37850	38048	QPSK	1	49	0	0	1	0	state 11	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	state 11	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	state 11	24.98	26.00
37850	38048	QPSK	1	49	0	0	1	0	state 12	23.01	24.00
37901	38099	QPSK	1	49	0	0	1	0	state 12	23.02	24.00
38150	37952	QPSK	1	49	0	0	1	0	state 12	23.07	24.00
37850	38048	QPSK	1	49	0	0	1	0	state 13	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	state 13	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	state 13	24.98	26.00
37850	38048	QPSK	1	49	0	0	1	0	state 14	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	state 14	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	state 14	24.98	26.00

CA_66C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
132072	132270	QPSK	1	0	0	0	1	0	Full Power	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	Full Power	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	Full Power	24.51	26.00
132072	132270	QPSK	1	0	0	0	1	0	state 10	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	state 10	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	state 10	24.51	26.00
132072	132270	QPSK	1	0	0	0	1	0	state 11	23.10	24.50
132322	132520	QPSK	1	0	0	0	1	0	state 11	22.97	24.50
132572	132374	QPSK	1	0	0	0	1	0	state 11	23.13	24.50
132072	132270	QPSK	1	0	0	0	1	0	state 12	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	state 12	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	state 12	24.51	26.00
132072	132270	QPSK	1	0	0	0	1	0	state 13	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	state 13	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	state 13	24.51	26.00
132072	132270	QPSK	1	0	0	0	1	0	state 14	24.40	26.00
132322	132520	QPSK	1	0	0	0	1	0	state 14	24.32	26.00
132572	132374	QPSK	1	0	0	0	1	0	state 14	24.51	26.00

CA_38C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
37850	38048	QPSK	1	49	0	0	1	0	Full Power	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	Full Power	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	Full Power	24.98	26.00
37850	38048	QPSK	1	49	0	0	1	0	state 10	20.59	21.50
37901	38099	QPSK	1	49	0	0	1	0	state 10	20.62	21.50
38150	37952	QPSK	1	49	0	0	1	0	state 10	20.57	21.50
37850	38048	QPSK	1	49	0	0	1	0	state 11	17.32	18.50
37901	38099	QPSK	1	49	0	0	1	0	state 11	17.27	18.50
38150	37952	QPSK	1	49	0	0	1	0	state 11	17.28	18.50
37850	38048	QPSK	1	49	0	0	1	0	state 12	23.87	25.00
37901	38099	QPSK	1	49	0	0	1	0	state 12	23.89	25.00
38150	37952	QPSK	1	49	0	0	1	0	state 12	23.91	25.00
37850	38048	QPSK	1	49	0	0	1	0	state 13	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	state 13	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	state 13	24.98	26.00
37850	38048	QPSK	1	49	0	0	1	0	state 14	24.83	26.00
37901	38099	QPSK	1	49	0	0	1	0	state 14	24.61	26.00
38150	37952	QPSK	1	49	0	0	1	0	state 14	24.98	26.00

CA_41C_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Full Power	24.69	26.00
40185	40383	QPSK	1	49	0	0	1	0	Full Power	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	Full Power	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	Full Power	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	Full Power	25.09	26.00
39750	39948	QPSK	1	49	0	0	1	0	state 10	24.69	26.00
40185	40383	QPSK	1	49	0	0	1	0	state 10	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	state 10	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	state 10	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	state 10	25.09	26.00
39750	39948	QPSK	1	49	0	0	1	0	state 11	24.69	26.00
40185	40383	QPSK	1	49	0	0	1	0	state 11	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	state 11	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	state 11	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	state 11	25.09	26.00
39750	39948	QPSK	1	49	0	0	1	0	state 12	22.66	24.00
40185	40383	QPSK	1	49	0	0	1	0	state 12	23.17	24.00
40620	40818	QPSK	1	49	0	0	1	0	state 12	22.64	24.00
41055	41253	QPSK	1	49	0	0	1	0	state 12	23.05	24.00
41490	41292	QPSK	1	49	0	0	1	0	state 12	23.10	24.00
39750	39948	QPSK	1	49	0	0	1	0	state 13	25.09	26.00
40185	40383	QPSK	1	49	0	0	1	0	state 13	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	state 13	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	state 13	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	state 13	25.00	26.00
39750	39948	QPSK	1	49	0	0	1	0	state 14	25.09	26.00
40185	40383	QPSK	1	49	0	0	1	0	state 14	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	state 14	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	state 14	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	state 14	25.00	26.00

CA_41C(HPUE)_Ant 1											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Full Power	25.85	27.50
40185	40383	QPSK	1	49	0	0	1	0	Full Power	25.80	27.50
40620	40818	QPSK	1	49	0	0	1	0	Full Power	25.83	27.50
41055	41253	QPSK	1	49	0	0	1	0	Full Power	26.21	27.50
41490	41292	QPSK	1	49	0	0	1	0	Full Power	26.24	27.50
39750	39948	QPSK	1	49	0	0	1	0	state 10	25.85	27.50
40185	40383	QPSK	1	49	0	0	1	0	state 10	25.80	27.50
40620	40818	QPSK	1	49	0	0	1	0	state 10	25.83	27.50
41055	41253	QPSK	1	49	0	0	1	0	state 10	26.21	27.50
41490	41292	QPSK	1	49	0	0	1	0	state 10	26.24	27.50
39750	39948	QPSK	1	49	0	0	1	0	state 11	25.85	27.50
40185	40383	QPSK	1	49	0	0	1	0	state 11	25.80	27.50
40620	40818	QPSK	1	49	0	0	1	0	state 11	25.83	27.50
41055	41253	QPSK	1	49	0	0	1	0	state 11	26.21	27.50
41490	41292	QPSK	1	49	0	0	1	0	state 11	26.24	27.50
39750	39948	QPSK	1	49	0	0	1	0	state 12	23.74	25.50
40185	40383	QPSK	1	49	0	0	1	0	state 12	24.24	25.50
40620	40818	QPSK	1	49	0	0	1	0	state 12	23.79	25.50
41055	41253	QPSK	1	49	0	0	1	0	state 12	24.18	25.50
41490	41292	QPSK	1	49	0	0	1	0	state 12	24.20	25.50
39750	39948	QPSK	1	49	0	0	1	0	state 13	25.72	27.00
40185	40383	QPSK	1	49	0	0	1	0	state 13	25.32	27.00
40620	40818	QPSK	1	49	0	0	1	0	state 13	25.21	27.00
41055	41253	QPSK	1	49	0	0	1	0	state 13	25.67	27.00
41490	41292	QPSK	1	49	0	0	1	0	state 13	25.70	27.00
39750	39948	QPSK	1	49	0	0	1	0	state 14	25.72	27.00
40185	40383	QPSK	1	49	0	0	1	0	state 14	25.32	27.00
40620	40818	QPSK	1	49	0	0	1	0	state 14	25.21	27.00
41055	41253	QPSK	1	49	0	0	1	0	state 14	25.67	27.00
41490	41292	QPSK	1	49	0	0	1	0	state 14	25.70	27.00

CA_41C_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Full Power	24.69	26.00
40185	40383	QPSK	1	49	0	0	1	0	Full Power	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	Full Power	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	Full Power	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	Full Power	25.09	26.00
39750	39948	QPSK	1	49	0	0	1	0	state 10	20.33	21.50
40185	40383	QPSK	1	49	0	0	1	0	state 10	20.42	21.50
40620	40818	QPSK	1	49	0	0	1	0	state 10	20.29	21.50
41055	41253	QPSK	1	49	0	0	1	0	state 10	20.76	21.50
41490	41292	QPSK	1	49	0	0	1	0	state 10	20.68	21.50
39750	39948	QPSK	1	49	0	0	1	0	state 11	16.95	18.50
40185	40383	QPSK	1	49	0	0	1	0	state 11	17.08	18.50
40620	40818	QPSK	1	49	0	0	1	0	state 11	16.93	18.50
41055	41253	QPSK	1	49	0	0	1	0	state 11	17.44	18.50
41490	41292	QPSK	1	49	0	0	1	0	state 11	17.42	18.50
39750	39948	QPSK	1	49	0	0	1	0	state 12	23.63	25.00
40185	40383	QPSK	1	49	0	0	1	0	state 12	23.77	25.00
40620	40818	QPSK	1	49	0	0	1	0	state 12	24.14	25.00
41055	41253	QPSK	1	49	0	0	1	0	state 12	24.02	25.00
41490	41292	QPSK	1	49	0	0	1	0	state 12	24.09	25.00
39750	39948	QPSK	1	49	0	0	1	0	state 13	24.69	26.00
40185	40383	QPSK	1	49	0	0	1	0	state 13	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	state 13	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	state 13	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	state 13	25.09	26.00
39750	39948	QPSK	1	49	0	0	1	0	state 14	24.69	26.00
40185	40383	QPSK	1	49	0	0	1	0	state 14	24.59	26.00
40620	40818	QPSK	1	49	0	0	1	0	state 14	24.81	26.00
41055	41253	QPSK	1	49	0	0	1	0	state 14	25.03	26.00
41490	41292	QPSK	1	49	0	0	1	0	state 14	25.09	26.00

CA_41C(HPUE)_Ant 2											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Power Reduction	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	49	0	0	1	0	Full Power	25.85	27.50
40185	40383	QPSK	1	49	0	0	1	0	Full Power	25.80	27.50
40620	40818	QPSK	1	49	0	0	1	0	Full Power	25.83	27.50
41055	41253	QPSK	1	49	0	0	1	0	Full Power	26.21	27.50
41490	41292	QPSK	1	49	0	0	1	0	Full Power	26.24	27.50
39750	39948	QPSK	1	49	0	0	1	0	state 10	21.38	23.00
40185	40383	QPSK	1	49	0	0	1	0	state 10	21.40	23.00
40620	40818	QPSK	1	49	0	0	1	0	state 10	21.22	23.00
41055	41253	QPSK	1	49	0	0	1	0	state 10	21.65	23.00
41490	41292	QPSK	1	49	0	0	1	0	state 10	21.59	23.00
39750	39948	QPSK	1	49	0	0	1	0	state 11	18.11	20.00
40185	40383	QPSK	1	49	0	0	1	0	state 11	18.26	20.00
40620	40818	QPSK	1	49	0	0	1	0	state 11	18.07	20.00
41055	41253	QPSK	1	49	0	0	1	0	state 11	18.58	20.00
41490	41292	QPSK	1	49	0	0	1	0	state 11	18.50	20.00
39750	39948	QPSK	1	49	0	0	1	0	state 12	24.71	26.50
40185	40383	QPSK	1	49	0	0	1	0	state 12	24.84	26.50
40620	40818	QPSK	1	49	0	0	1	0	state 12	25.27	26.50
41055	41253	QPSK	1	49	0	0	1	0	state 12	25.12	26.50
41490	41292	QPSK	1	49	0	0	1	0	state 12	25.23	26.50
39750	39948	QPSK	1	49	0	0	1	0	state 13	25.85	27.50
40185	40383	QPSK	1	49	0	0	1	0	state 13	25.80	27.50
40620	40818	QPSK	1	49	0	0	1	0	state 13	25.83	27.50
41055	41253	QPSK	1	49	0	0	1	0	state 13	26.21	27.50
41490	41292	QPSK	1	49	0	0	1	0	state 13	26.24	27.50
39750	39948	QPSK	1	49	0	0	1	0	state 14	25.85	27.50
40185	40383	QPSK	1	49	0	0	1	0	state 14	25.80	27.50
40620	40818	QPSK	1	49	0	0	1	0	state 14	25.83	27.50
41055	41253	QPSK	1	49	0	0	1	0	state 14	26.21	27.50
41490	41292	QPSK	1	49	0	0	1	0	state 14	26.24	27.50

Downlink CA Power

Full Power

2CC

Configure		CA Configuration (BCS)	PCC							SCC				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_2A-7A	2	20	1900	19100	QPSK	1	49	7	20	3100	2655	24.50	24.53
		CA_4A-48A	4	20	1745	20300	QPSK	1	0	48	20	3625	55990	24.48	24.52
		CA_5A-25A	5	10	844	20600	QPSK	1	25	25	20	1962.5	8365	24.52	24.67
		CA_12A-25A	12	10	707.5	23095	QPSK	1	49	25	20	1962.5	8365	24.25	24.36
Intra-Band	Non-Contiguous	CA_7A-7A	7	20	2535	21100	QPSK	1	99	7	5	2687.5	3425	24.21	24.25
	Contiguous	CA_5B	5	10	844	20600	QPSK	1	25	5	10	879.10	2501	24.52	24.67
		CA_7B	7	15	2535	21100	QPSK	1	0	7	5	2664.30	3193	24.00	24.24
		CA_7C	7	20	2535	21100	QPSK	1	99	7	20	2674.80	3298	24.15	24.25
		CA_38C	38	20	2610	38150	QPSK	1	49	38	20	2590.20	37952	25.17	25.22

3CC

Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_2A-2A-13A	2	20	1900	19100	QPSK	1	49	2	5	1932.5	625	13	10	751	5230	24.48	24.53
		CA_2A-2A-4A	2	20	1900	19100	QPSK	1	49	2	5	1932.5	625	4	20	2132.5	2175	24.41	24.53
		CA_2A-2A-71A	2	20	1900	19100	QPSK	1	49	2	5	1932.5	625	71	20	637	68786	24.45	24.53
		CA_2A-48A-66A	2	20	1900	19100	QPSK	1	49	48	20	3625	55990	66	20	2155	66886	24.48	24.53
		CA_2A-4A-13A	2	20	1900	19100	QPSK	1	49	4	20	2132.5	2175	13	10	751	5230	24.39	24.53
		CA_30A-66A-66A	30	10	2310	27710	QPSK	1	49	66	20	2155	66886	66	5	2112.5	66461	25.46	25.84
		CA_4A-4A-13A	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	13	10	751	5230	24.42	24.52
		CA_4A-4A-5A	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	5	10	881.5	2525	24.33	24.52
		CA_4A-4A-71A	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	71	20	637	68786	24.42	24.52
		CA_13A-66A-66A	13	10	782	23230	QPSK	1	25	66	20	2155	66886	66	5	2112.5	66461	24.30	24.35
		CA_25A-25A-26A	25	20	1905	26590	QPSK	1	49	25	5	1932.5	8065	26	15	876.5	8865	24.44	24.54
		CA_25A-26A-41A	25	20	1905	26590	QPSK	1	49	26	15	876.5	8865	41	20	2595	40620	24.38	24.54
		CA_48C-71A	48	20	3690	56640	QPSK	1	49	48	5	3678.3	56523	71	20	637	68786	24.72	24.96
		CA_2A-66B	2	20	1900	19100	QPSK	1	49	66	15	2155	66886	66	5	2145.7	66793	24.40	24.53
		CA_2C-12A	2	20	1900	19100	QPSK	1	49	2	20	1960.2	902	12	10	737.5	5095	24.33	24.53
		CA_2C-5A	2	20	1900	19100	QPSK	1	49	2	20	1960.2	902	5	10	881.5	2525	24.46	24.53
		CA_2C-66A	2	20	1900	19100	QPSK	1	49	2	20	1960.2	902	66	20	2132.5	66661	24.52	24.53
		CA_12A-66C	12	10	711	23130	QPSK	1	49	66	20	2155	66886	66	20	2135.2	66688	24.33	24.36
		CA_13A-66B	13	10	782	23230	QPSK	1	25	66	15	2155	66886	66	5	2145.7	66793	24.29	24.35
		CA_13A-66C	13	10	782	23230	QPSK	1	25	66	20	2155	66886	66	20	2135.2	66688	24.27	24.35
		CA_5A-48C	5	10	844	20600	QPSK	1	25	48	20	3690	56640	48	5	3678.3	56523	24.38	24.67
		CA_5A-66B	5	10	844	20600	QPSK	1	25	66	15	2155	66886	66	5	2145.7	66793	24.42	24.67
		CA_5A-66C	5	10	844	20600	QPSK	1	25	66	20	2155	66886	66	20	2135.2	66688	24.60	24.67
		CA_66C-71A	66	20	1770	132572	QPSK	1	0	66	20	2150.2	66838	71	20	637	68786	24.42	24.53
		CA_25A-41C	25	20	1905	26590	QPSK	1	49	41	20	2593	40620	40	20	2573.2	40422	24.38	24.54
		CA_41A-48C	41	20	2680	41490	QPSK	1	49	48	20	3690	56640	48	5	3678.3	56523	24.94	25.24
Intra-Band	Non-Contiguous	CA_25A-25A-25A	25	20	1860	26140	QPSK	1	49	25	20	1960	8340	25	20	1960	8340	24.38	24.54
		CA_66A-66C	66	20	1770	132572	QPSK	1	0	66	5	2155	66886	66	20	2166.7	67003	24.41	24.53

4CC

Configure		CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				Power	
			LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		CA_2A-12A-66A-66A	2	20	1880	18900	QPSK	1	49	12	10	737.5	5095	66	20	2155	66886	66	20	2155	66886	24.45	24.53
		CA_2A-2A-12A-30A	2	20	1880	18900	QPSK	1	49	2	5	1987.5	1175	12	10	737.5	5095	30	10	2355	9820	24.37	24.53
		CA_2A-2A-12A-66A	2	20	1880	18900	QPSK	1	49	2	5	1987.5	1175	12	10	737.5	5095	66	20	2155	66886	24.44	24.53
		CA_2A-2A-29A-30A	2	20	1880	18900	QPSK	1	49	2	5	1987.5	1175	29	10	722.5	9715	30	10	2355	9820	24.40	24.53
		CA_2A-2A-30A-66A	2	20	1880	18900	QPSK	1	49	2	5	1987.5	1175	30	10	2355	9820	66	20	2155	66886	24.27	24.53
		CA_2A-2A-5A-30A	2	20	1880	18900	QPSK	1	49	2	5	1987.5	1175	5	10	881.5	2525	30	10	2355	9820	24.33	24.53
		CA_2A-2A-66A-66A	2	20	1880	18900	QPSK	1	49	2	5	1987.5	1175	66	20	2155	66886	66	20	2155	66886	24.38	24.53
		CA_2A-2A-66C	2	20	1880	18900	QPSK	1	49	2	5	1987.5	1175	66	20	2155	66886	66	20	2174.8	67084	24.41	24.53
		CA_2A-30A-66A-66A	2	20	1880	18900	QPSK	1	49	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.39	24.53
		CA_2A-12A-30A-66A	2	20	1880	18900	QPSK	1	49	12	10	737.5	5095	30	10	2355	9820	66	20	2155	66886	24.19	24.53
		CA_2A-29A-30A-66A	2	20	1880	18900	QPSK	1	49	29	10	722.5	9715	30	10	2355	9820	66	20	2155	66886	24.22	24.53
		CA_2A-4A-12A-30A	2	20	1880	18900	QPSK	1	49	4	20	2132.5	2175	12	10	737.5	5095	30	10	2355	9820	24.39	24.53
		CA_2A-4A-4A-12A	2	20	1880	18900	QPSK	1	49	4	20	2132.5	2175	4	5	2152.5	2375	12	10	737.5	5095	24.42	24.53
		CA_2A-4A-5A-30A	2	20	1880	18900	QPSK	1	49	4	20	2132.5	2175	5	10	881.5	2525	30	10	2355	9820	24.45	24.53
		CA_2A-5A-30A-66A	2	20	1880	18900	QPSK	1	49	5	10	881.5	2525	30	10	2355	9820	66	20	2155	66886	24.39	24.53
		CA_2A-5A-66A-66A	2	20	1880	18900	QPSK	1	49	5	10	881.5	2525	66	20	2155	66886	66	20	2155	66886	24.44	24.53
		CA_2A-66A-66A-71A	2	20	1880	18900	QPSK	1	49	66	20	2155	66886	66	5	2197.5	67311	71	20	634.5	68786	24.47	24.53
		CA_12A-30A-66A-66A	12	10	707.5	23095	QPSK	1	49	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.32	24.36
		CA_5A-30A-66A-66A	5	10	881.5	2525	QPSK	1	25	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.65	24.67
		CA_48A-48A-66A-66A	48	20	3690	56640	QPSK	1	49	48	20	3690	66734	66	20	2155	66886	66	5	2197.5	67311	24.77	24.96
		CA_2A-48D	2	20	1880	18900	QPSK	1	49	48	20	3560	55340	48	20	3579.8	55538	48	20	3599.6	55736	24.39	24.53
		CA_2A-5B-30A	2	20	1880	18900	QPSK	1	49	5	10	829	20450	5	5	881.2	2522	30	10	2355	9820	24.41	24.53
		CA_2A-66C-71A	2	20	1880	18900	QPSK	1	49	66	20	2170.2	67038	66	20	2190	67236	71	20	634.5	68786	24.28	24.53
		CA_5A-48D	5	10	829	20450	QPSK	1	25	48	20	3560	55340	48	20	3579.8	55538	48	20	3599.6	55736	24.47	24.67
		CA_5B-30A-66A	5	10	884	2550	QPSK	1	25	5	5	891.2	2622	30	10	2355	9820	66	20	2155	66886	24.52	24.67
		CA_12A-48D	12	10	707.5	23095	QPSK	1	49	48	20	3560	55340	48	20	3579.8	55538	48	20	3599.6	55736	24.35	24.36
		CA_48A-48A-66C	48	20	3690	56640	QPSK	1	49	48	20	3560	55340	66	20	2155	66886	66	20	2174.8	67084	24.78	24.96
		CA_48C-66A-66A	48	20	3690	56640	QPSK	1	49	48	20	3579.8	55538	66	20	2155	66886	66	20	2155	66886	24.69	24.96
		CA_48C-66C	48	20	3690	56640	QPSK	1	49	48	20	3579.8	55538	66	20	2155	66886	66	20	2174.8	67084	24.76	24.96
		CA_48D-66A	48	20	3690	56640	QPSK	1	49	48	20	3579.8	55538	48	20	3599.6	55736	66	5	2197.5	67311	24.80	24.96
Intra-Band	Contiguous	CA_48E	48	20	3690	56640	QPSK	1	49	48	20	3650.4	56244	48	20	3670.2	56442	48	20	3690	56640	24.69	24.96

5CC

Configure	CA Configuration (BCS)	PCC							SCC1				SCC2				SCC3				SCC4				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band	CA_2A-48C-48C	2	20	1880	18900	QPSK	1	49	48	20	3560	55340	48	20	3579.8	55538	48	20	3560	55340	48	20	3579.8	55538	24.47	24.53
	CA_13A-48C-48C	13	10	782	23230	QPSK	1	25	48	20	3560	55340	48	20	3579.8	55538	48	20	3560	55340	48	20	3579.8	55538	24.31	24.35
	CA_13A-48A-48D	13	10	782	23230	QPSK	1	25	48	20	3560	55340	48	20	3560	55340	48	20	3579.8	55538	48	20	3599.6	55736	24.30	24.35
	CA_25A-25A-41D	25	20	1880	26340	QPSK	1	49	25	5	1932.5	8065	41	20	2640.4	41094	41	20	2660.2	41292	41	20	2680	41490	24.42	24.54
	CA_25A-41E	25	20	1880	26340	QPSK	1	49	41	20	2549.5	40185	41	20	2569.3	40383	41	20	2589.1	40581	41	20	2608.9	40779	24.46	24.54
	CA_41C-41D	41	20	2549.5	40185	QPSK	1	49	40	20	2573.2	40422	41	20	2640.4	41094	41	20	2660.2	41292	41	20	2680	41490	24.93	25.24
	CA_48C-48C-66A	48	20	3690	56640	QPSK	1	49	48	20	3579.8	55538	48	20	3560	55340	48	20	3579.8	55538	66	5	2197.5	67311	24.82	24.96

Full Power/Default Power for UL MIMO

n41_Ant 1

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				506202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.05	21.27	21.04	22.5	0.0
100	PI/2 BPSK	1	137	21.04	21.02	20.95		
100	PI/2 BPSK	1	271	20.94	21.04	20.88		
100	PI/2 BPSK	135	0	20.95	21.03	20.95	22.5	0.0
100	PI/2 BPSK	135	69	21.04	21.25	20.98	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.00	20.97	22.5	0.0
100	PI/2 BPSK	270	0	21.02	21.22	21.00		
100	QPSK	1	1	20.99	21.15	21.05		
100	QPSK	1	137	20.99	21.02	20.98	22.5	0.0
100	QPSK	1	271	20.87	21.06	20.92		
100	QPSK	135	0	21.08	21.09	21.02		
100	QPSK	135	69	21.04	21.04	21.01	22.5	0.0
100	QPSK	135	138	20.93	21.01	20.87		
100	QPSK	270	0	21.00	21.02	21.01	22.5	0.0
100	16QAM	1	1	21.22	21.24	21.26	22.5	0.0
100	64QAM	1	1	21.22	21.25	21.22	22.5	0.0
100	256QAM	1	1	20.48	20.52	20.52	21.5	1.0
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.94	21.11	21.00	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.90	21.08	20.96	22.5	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.90	21.18	21.02	22.5	0.0
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2586	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.88	21.11	21.03	22.5	0.0
Channel				504204	518598	532968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.90	21.12	20.98	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.89	21.18	20.98	22.5	0.0
Channel				502200	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.92	21.09	21.03	22.5	0.0
Channel				501204	518598	537960	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.88	21.16	21.00	22.5	0.0

n41(HPUE)_Ant 1

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				506202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.06	23.18	23.00	24.5	0.0
100	PI/2 BPSK	1	137	22.91	23.01	22.91		
100	PI/2 BPSK	1	271	23.06	22.99	22.94		
100	PI/2 BPSK	135	0	22.96	23.01	22.99	24.5	0.0
100	PI/2 BPSK	135	69	23.06	23.09	23.01	24.5	0.0
100	PI/2 BPSK	135	138	22.97	22.99	22.91	24.5	0.0
100	PI/2 BPSK	270	0	23.02	23.06	23.00		
100	QPSK	1	1	23.11	23.17	23.16		
100	QPSK	1	137	23.10	23.05	22.99	24.5	0.0
100	QPSK	1	271	22.99	22.94	22.85		
100	QPSK	135	0	23.17	23.10	23.10		
100	QPSK	135	69	23.05	23.02	23.07	24.5	0.0
100	QPSK	135	138	22.98	22.98	22.91		
100	QPSK	270	0	23.10	23.04	23.10	24.5	0.0
100	16QAM	1	1	23.15	23.17	23.16	24.5	0.0
100	64QAM	1	1	22.80	22.72	22.81	23.5	1.0
100	256QAM	1	1	20.46	20.51	20.55	21.5	3.0
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	23.07	23.11	22.99	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	23.01	23.12	22.94	24.5	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2592.99	2655		
70	PI/2 BPSK	1	1	23.06	23.11	22.92	24.5	0.0
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2586	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.99	23.12	22.97	24.5	0.0
Channel				504204	518598	532968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.02	23.09	22.92	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	23.01	23.09	22.99	24.5	0.0
Channel				502200	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	23.00	23.03	22.92	24.5	0.0
Channel				501204	518598	537960	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	23.01	23.10	22.94	24.5	0.0

n41_Ant 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				506202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.05	21.27	21.04	22.5	0.0
100	PI/2 BPSK	1	137	21.04	21.02	20.95		
100	PI/2 BPSK	1	271	20.94	21.04	20.88		
100	PI/2 BPSK	135	0	20.95	21.03	20.95	22.5	0.0
100	PI/2 BPSK	135	69	21.04	21.25	20.98	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.00	20.97	22.5	0.0
100	PI/2 BPSK	270	0	21.02	21.22	21.00		
100	QPSK	1	1	20.99	21.15	21.05		
100	QPSK	1	137	20.99	21.02	20.98	22.5	0.0
100	QPSK	1	271	20.87	21.06	20.92		
100	QPSK	135	0	21.08	21.09	21.02		
100	QPSK	135	69	21.04	21.04	21.01	22.5	0.0
100	QPSK	135	138	20.93	21.01	20.87		
100	QPSK	270	0	21.00	21.02	21.01	22.5	0.0
100	16QAM	1	1	21.22	21.24	21.26	22.5	0.0
100	64QAM	1	1	21.22	21.25	21.22	22.5	0.0
100	256QAM	1	1	20.48	20.52	20.52	21.5	1.0
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.94	21.11	21.00	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.90	21.08	20.96	22.5	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.90	21.18	21.02	22.5	0.0
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2586	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.88	21.11	21.03	22.5	0.0
Channel				504204	518598	532968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.90	21.12	20.98	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.89	21.18	20.98	22.5	0.0
Channel				502200	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.92	21.09	21.03	22.5	0.0
Channel				501204	518598	537960	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.88	21.16	21.00	22.5	0.0

n41(HPUE)_Ant 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				506202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.06	23.18	23.00	24.5	0.0
100	PI/2 BPSK	1	137	22.91	23.01	22.91		
100	PI/2 BPSK	1	271	23.06	22.99	22.94		
100	PI/2 BPSK	135	0	22.96	23.01	22.99	24.5	0.0
100	PI/2 BPSK	135	69	23.06	23.09	23.01	24.5	0.0
100	PI/2 BPSK	135	138	22.97	22.99	22.91	24.5	0.0
100	PI/2 BPSK	270	0	23.02	23.06	23.00		
100	QPSK	1	1	23.11	23.17	23.16		
100	QPSK	1	137	23.10	23.05	22.99	24.5	0.0
100	QPSK	1	271	22.99	22.94	22.85		
100	QPSK	135	0	23.17	23.10	23.10		
100	QPSK	135	69	23.05	23.02	23.07	24.5	0.0
100	QPSK	135	138	22.98	22.98	22.91		
100	QPSK	270	0	23.10	23.04	23.10	24.5	0.0
100	16QAM	1	1	23.15	23.17	23.16	24.5	0.0
100	64QAM	1	1	22.80	22.72	22.81	23.5	1.0
100	256QAM	1	1	20.46	20.51	20.55	21.5	3.0
Channel				506202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	23.07	23.11	22.99	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	23.01	23.12	22.94	24.5	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2592.99	2655		
70	PI/2 BPSK	1	1	23.06	23.11	22.92	24.5	0.0
Channel				509200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2586	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.99	23.12	22.97	24.5	0.0
Channel				504204	518598	532968	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.02	23.09	22.92	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	23.01	23.09	22.99	24.5	0.0
Channel				502200	518598	535996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	23.00	23.03	22.92	24.5	0.0
Channel				501204	518598	537960	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	23.01	23.10	22.94	24.5	0.0

n41_Ant 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.86	20.62	20.57	22.5	0.0
100	PI/2 BPSK	1	137	20.86	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53	22.5	0.0
100	PI/2 BPSK	135	69	20.85	20.60	20.55	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54	22.5	0.0
100	PI/2 BPSK	270	0	20.85	20.52	20.54		
100	QPSK	1	1	20.79	20.56	20.51	22.5	0.0
100	QPSK	1	137	20.81	20.50	20.52		
100	QPSK	1	271	20.75	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55	22.5	0.0
100	QPSK	135	69	20.80	20.50	20.53		
100	QPSK	135	138	20.74	20.54	20.58		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.79	20.62	20.82	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.79	20.67	20.76	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.79	20.69	20.83	22.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.90	22.62	22.58	24.5	0.0
100	PI/2 BPSK	1	137	22.89	22.57	22.51		
100	PI/2 BPSK	1	271	22.75	22.60	22.55		
100	PI/2 BPSK	135	0	22.79	22.55	22.50	24.5	0.0
100	PI/2 BPSK	135	69	22.88	22.60	22.52	24.5	0.0
100	PI/2 BPSK	135	138	22.78	22.52	22.52	24.5	0.0
100	PI/2 BPSK	270	0	22.83	22.57	22.53		
100	QPSK	1	1	22.87	22.50	22.56	24.5	0.0
100	QPSK	1	137	22.87	22.58	22.54		
100	QPSK	1	271	22.78	22.60	22.50		
100	QPSK	135	0	22.80	22.57	22.55	24.5	0.0
100	QPSK	135	69	22.88	22.58	22.52		
100	QPSK	135	138	22.80	22.53	22.54		
100	QPSK	270	0	22.80	22.52	22.57	24.5	0.0
100	16QAM	1	1	22.77	22.52	22.53	24.5	0.0
100	64QAM	1	1	22.71	22.56	22.52	24.5	0.0
100	256QAM	1	1	21.42	21.06	21.07	23.0	1.5
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.85	22.73	22.88	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.82	22.68	22.86	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.86	22.69	22.87	24.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.87	22.73	22.82	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.89	22.71	22.82	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.86	22.75	22.79	24.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.86	22.74	22.88	24.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.89	22.68	22.86	24.5	0.0

n41_Ant 8

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	20.86	20.62	20.57	22.5	0.0
100	PI/2 BPSK	1	137	20.86	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53	22.5	0.0
100	PI/2 BPSK	135	69	20.85	20.60	20.55	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54	22.5	0.0
100	PI/2 BPSK	270	0	20.85	20.52	20.54		
100	QPSK	1	1	20.79	20.56	20.51	22.5	0.0
100	QPSK	1	137	20.81	20.50	20.52		
100	QPSK	1	271	20.75	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55	22.5	0.0
100	QPSK	135	69	20.80	20.50	20.53		
100	QPSK	135	138	20.74	20.54	20.58		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.79	20.62	20.82	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.79	20.67	20.76	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.79	20.69	20.83	22.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 8

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	22.90	22.62	22.58	24.5	0.0
100	PI/2 BPSK	1	137	22.89	22.57	22.51		
100	PI/2 BPSK	1	271	22.75	22.60	22.55		
100	PI/2 BPSK	135	0	22.79	22.55	22.50	24.5	0.0
100	PI/2 BPSK	135	69	22.88	22.60	22.52	24.5	0.0
100	PI/2 BPSK	135	138	22.78	22.52	22.52	24.5	0.0
100	PI/2 BPSK	270	0	22.83	22.57	22.53		
100	QPSK	1	1	22.87	22.50	22.56	24.5	0.0
100	QPSK	1	137	22.87	22.58	22.54		
100	QPSK	1	271	22.78	22.60	22.50		
100	QPSK	135	0	22.80	22.57	22.55	24.5	0.0
100	QPSK	135	69	22.88	22.58	22.52		
100	QPSK	135	138	22.80	22.53	22.54		
100	QPSK	270	0	22.80	22.52	22.57	24.5	0.0
100	16QAM	1	1	22.77	22.52	22.53	24.5	0.0
100	64QAM	1	1	22.71	22.56	22.52	24.5	0.0
100	256QAM	1	1	21.42	21.06	21.07	23.0	1.5
Channel				509202	518598	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.85	22.73	22.88	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.82	22.68	22.86	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.86	22.69	22.87	24.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.87	22.73	22.82	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.89	22.71	22.82	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.86	22.75	22.79	24.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.86	22.74	22.88	24.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.89	22.68	22.86	24.5	0.0

Part27O_n77_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.49	21.14	21.01	22.5	0.0
100	PI/2 BPSK	1	137	21.25	21.05	20.71		
100	PI/2 BPSK	1	271	21.22	20.88	20.62		
100	PI/2 BPSK	135	0	21.36	21.05	20.86	22.5	0.0
100	PI/2 BPSK	135	69	21.42	21.08	20.86	22.5	0.0
100	PI/2 BPSK	135	138	21.16	20.97	20.57	22.5	0.0
100	PI/2 BPSK	270	0	21.37	21.05	20.78		
100	QPSK	1	1	21.45	21.10	20.92		
100	QPSK	1	137	21.27	21.02	20.69	22.5	0.0
100	QPSK	1	271	21.26	20.86	20.77		
100	QPSK	135	0	21.36	21.02	20.78		
100	QPSK	135	69	21.37	21.04	20.81	22.5	0.0
100	QPSK	135	138	21.12	20.99	20.72		
100	QPSK	270	0	21.35	20.98	20.68	22.5	0.0
100	16QAM	1	1	21.45	21.13	20.98	22.5	0.0
100	64QAM	1	1	21.47	21.10	20.95	22.5	0.0
100	256QAM	1	1	21.35	21.06	20.88	22.5	0.0
Channel				650000	656000	662000	Tune-up limit	MPR
Frequency (MHz)				3765.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.13	21.36	21.42	22.5	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.14	21.36	21.41	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.13	21.42	21.44	22.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3725.02	3840	3954.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.12	21.40	21.40	22.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.19	21.38	21.44	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.14	21.33	21.45	22.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.12	21.33	21.40	22.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3715.01	3840	3964.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.14	21.37	21.45	22.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.19	21.40	21.42	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.19	21.43	21.37	22.5	0.0

Part27O_n77(HPUE)_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.52	23.13	23.05	24.5	0.0
100	PI/2 BPSK	1	137	23.30	22.95	22.82		
100	PI/2 BPSK	1	271	23.23	22.81	22.70		
100	PI/2 BPSK	135	0	23.43	22.88	22.86	24.5	0.0
100	PI/2 BPSK	135	69	23.45	23.07	22.88	24.5	0.0
100	PI/2 BPSK	135	138	23.33	22.98	22.73	24.5	0.0
100	PI/2 BPSK	270	0	23.40	23.04	22.85		
100	QPSK	1	1	23.46	23.10	23.60		
100	QPSK	1	137	23.27	22.92	22.78	24.5	0.0
100	QPSK	1	271	23.32	22.84	22.68		
100	QPSK	135	0	23.40	22.87	22.79		
100	QPSK	135	69	23.44	23.02	22.92	24.5	0.0
100	QPSK	135	138	23.36	22.90	22.68		
100	QPSK	270	0	23.39	22.94	22.81	24.5	0.0
100	16QAM	1	1	23.46	23.10	23.01	24.5	0.0
100	64QAM	1	1	23.44	23.08	23.01	24.5	0.0
100	256QAM	1	1	21.96	21.65	21.54	23.0	1.5
Channel				650000	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3765.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	23.12	23.39	23.45	24.5	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	23.21	23.41	23.46	24.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	23.19	23.35	23.39	24.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3725.02	3840	3954.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.13	23.39	23.48	24.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.18	23.43	23.46	24.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.20	23.36	23.50	24.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.17	23.41	23.45	24.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3715.01	3840	3964.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.17	23.44	23.50	24.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	23.14	23.45	23.45	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	23.16	23.42	23.50	24.5	0.0

Part27O_n77_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.43	21.34	21.32	22.5	0.0
100	PI/2 BPSK	1	137	21.41	21.32	21.31		
100	PI/2 BPSK	1	271	21.34	21.14	21.25		
100	PI/2 BPSK	135	0	21.29	21.19	21.24	22.5	0.0
100	PI/2 BPSK	135	69	21.37	21.32	21.29	22.5	0.0
100	PI/2 BPSK	135	138	21.30	21.27	21.22	22.5	0.0
100	PI/2 BPSK	270	0	21.31	21.30	21.27		
100	QPSK	1	1	21.22	21.19	21.26		
100	QPSK	1	137	21.38	21.27	21.31	22.5	0.0
100	QPSK	1	271	21.42	21.15	21.30		
100	QPSK	135	0	21.31	21.18	21.23		
100	QPSK	135	69	21.36	21.21	21.27	22.5	0.0
100	QPSK	135	138	21.30	21.14	21.29		
100	QPSK	270	0	21.31	21.13	21.24	22.5	0.0
100	16QAM	1	1	21.03	21.30	21.23	22.5	0.0
100	64QAM	1	1	21.39	21.29	21.28	22.5	0.0
100	256QAM	1	1	21.38	21.29	21.25	22.5	0.0
Channel				650000	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3765.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.34	21.22	21.28	22.5	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.38	21.31	21.29	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.40	21.30	21.22	22.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3725.02	3840	3954.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.40	21.29	21.39	22.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.39	21.30	21.40	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.39	21.29	21.39	22.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.31	21.30	21.41	22.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3715.01	3840	3964.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.30	21.28	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.33	21.28	21.41	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.39	21.31	21.42	22.5	0.0

Part27O_n77(HPUE)_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.41	23.33	23.34	24.5	0.0
100	PI/2 BPSK	1	137	23.40	23.29	23.33		
100	PI/2 BPSK	1	271	23.34	23.20	23.28		
100	PI/2 BPSK	135	0	23.24	23.26	23.29	24.5	0.0
100	PI/2 BPSK	135	69	23.32	23.37	23.37	24.5	0.0
100	PI/2 BPSK	135	138	23.30	23.16	23.29	24.5	0.0
100	PI/2 BPSK	270	0	23.34	23.30	23.29		
100	QPSK	1	1	23.22	23.17	23.32		
100	QPSK	1	137	23.32	23.26	23.35	24.5	0.0
100	QPSK	1	271	23.33	23.21	23.30		
100	QPSK	135	0	23.24	23.16	23.25		
100	QPSK	135	69	23.27	23.25	23.27	24.5	0.0
100	QPSK	135	138	23.31	23.18	23.29		
100	QPSK	270	0	23.23	23.16	23.26	24.5	0.0
100	16QAM	1	1	23.31	23.25	23.17	24.5	0.0
100	64QAM	1	1	23.38	23.26	23.28	24.5	0.0
100	256QAM	1	1	21.96	21.87	21.81	23.0	1.5
Channel				650000	656000	662332	Tune-up limit	MPR
Frequency (MHz)				3765.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	23.38	23.27	23.29	24.5	0.0
Channel				649334	656000	662666	Tune-up limit	MPR
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	23.37	23.31	23.29	24.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	23.36	23.28	23.29	24.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3725.02	3840	3954.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.33	23.31	23.27	24.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.33	23.24	23.20	24.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.36	23.25	23.29	24.5	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.31	23.25	23.28	24.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3715.01	3840	3964.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.37	23.29	23.24	24.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	23.31	23.34	23.30	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	23.40	23.31	23.29	24.5	0.0

Part27O_n77_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.43	21.34	21.32	22.5	0.0
100	PI/2 BPSK	1	137	21.41	21.32	21.31		
100	PI/2 BPSK	1	271	21.34	21.14	21.25		
100	PI/2 BPSK	135	0	21.29	21.19	21.24	22.5	0.0
100	PI/2 BPSK	135	69	21.37	21.32	21.29	22.5	0.0
100	PI/2 BPSK	135	138	21.30	21.27	21.22	22.5	0.0
100	PI/2 BPSK	270	0	21.31	21.30	21.27		
100	QPSK	1	1	21.22	21.19	21.26		
100	QPSK	1	137	21.38	21.27	21.31	22.5	0.0
100	QPSK	1	271	21.42	21.15	21.30		
100	QPSK	135	0	21.31	21.16	21.23		
100	QPSK	135	69	21.36	21.21	21.27	22.5	0.0
100	QPSK	135	138	21.30	21.14	21.29		
100	QPSK	270	0	21.31	21.13	21.24	22.5	0.0
100	16QAM	1	1	21.03	21.30	21.23	22.5	0.0
100	64QAM	1	1	21.39	21.28	21.28	22.5	0.0
100	256QAM	1	1	21.38	21.29	21.25	22.5	0.0
Channel				649666	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.34	21.22	21.28	22.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.38	21.31	21.29	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3740	3840	3940	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.40	21.30	21.22	22.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3738.02	3840	3941.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.40	21.29	21.39	22.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3735.01	3840	3944.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.39	21.30	21.40	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3950	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.39	21.29	21.39	22.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.31	21.30	21.41	22.5	0.0
Channel				647004	656000	664664	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.30	21.28	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.33	21.28	21.41	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.39	21.31	21.42	22.5	0.0

Part27O_n77(HPUE)_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.41	23.33	23.34	24.5	0.0
100	PI/2 BPSK	1	137	23.40	23.29	23.33		
100	PI/2 BPSK	1	271	23.34	23.20	23.28		
100	PI/2 BPSK	135	0	23.24	23.26	23.29	24.5	0.0
100	PI/2 BPSK	135	69	23.36	23.31	23.32	24.5	0.0
100	PI/2 BPSK	135	138	23.30	23.18	23.29	24.5	0.0
100	PI/2 BPSK	270	0	23.34	23.30	23.29		
100	QPSK	1	1	23.22	23.17	23.32		
100	QPSK	1	137	23.32	23.28	23.35	24.5	0.0
100	QPSK	1	271	23.33	23.21	23.30		
100	QPSK	135	0	23.24	23.16	23.25		
100	QPSK	135	69	23.27	23.25	23.27	24.5	0.0
100	QPSK	135	138	23.31	23.18	23.29		
100	QPSK	270	0	23.23	23.16	23.26	24.5	0.0
100	16QAM	1	1	23.31	23.25	23.17	24.5	0.0
100	64QAM	1	1	23.38	23.26	23.28	24.5	0.0
100	256QAM	1	1	21.96	21.87	21.81	23.0	1.5
Channel				649666	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	23.38	23.27	23.29	24.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	23.37	23.31	23.30	24.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3740	3840	3940	(dBm)	(dB)
70	PI/2 BPSK	1	1	23.36	23.28	23.29	24.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3738.02	3840	3941.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.33	23.31	23.27	24.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3735.01	3840	3944.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.33	23.24	23.20	24.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3950	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.36	23.25	23.29	24.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.31	23.25	23.28	24.5	0.0
Channel				647004	656000	664664	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.37	23.29	23.24	24.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	23.31	23.34	23.30	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	23.40	23.31	23.29	24.5	0.0

Part27O_n77_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.49	21.14	21.01	22.5	0.0
100	PI/2 BPSK	1	137	21.25	21.05	20.71		
100	PI/2 BPSK	1	271	21.22	20.88	20.62		
100	PI/2 BPSK	135	0	21.36	21.05	20.86	22.5	0.0
100	PI/2 BPSK	135	69	21.42	21.05	20.99	22.5	0.0
100	PI/2 BPSK	135	138	21.16	20.97	20.57	22.5	0.0
100	PI/2 BPSK	270	0	21.37	21.05	20.78		
100	QPSK	1	1	21.45	21.10	20.92		
100	QPSK	1	137	21.27	21.02	20.69	22.5	0.0
100	QPSK	1	271	21.26	20.86	20.77		
100	QPSK	135	0	21.36	21.02	20.78		
100	QPSK	135	69	21.37	21.04	20.81	22.5	0.0
100	QPSK	135	138	21.12	20.98	20.72		
100	QPSK	270	0	21.35	20.98	20.68	22.5	0.0
100	16QAM	1	1	21.45	21.13	20.98	22.5	0.0
100	64QAM	1	1	21.47	21.10	20.95	22.5	0.0
100	256QAM	1	1	21.35	21.06	20.88	22.5	0.0
Channel				649666	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.13	21.36	21.42	22.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.14	21.36	21.41	22.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3740	3840	3940	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.13	21.42	21.44	22.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3738.02	3840	3941.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.12	21.40	21.40	22.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3735.01	3840	3944.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.19	21.38	21.44	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3950	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.14	21.33	21.45	22.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.12	21.33	21.40	22.5	0.0
Channel				647004	656000	664664	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.14	21.37	21.45	22.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.19	21.40	21.42	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.19	21.43	21.37	22.5	0.0

Part27O_n77(HPUE)_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.52	23.13	23.02	24.5	0.0
100	PI/2 BPSK	1	137	23.30	22.98	22.92		
100	PI/2 BPSK	1	271	23.23	22.81	22.70		
100	PI/2 BPSK	135	0	23.43	22.88	22.86	24.5	0.0
100	PI/2 BPSK	135	69	23.45	23.07	22.95	24.5	0.0
100	PI/2 BPSK	135	138	23.33	22.98	22.73	24.5	0.0
100	PI/2 BPSK	270	0	23.40	23.04	22.85		
100	QPSK	1	1	23.46	23.10	23.00		
100	QPSK	1	137	23.27	22.92	22.78	24.5	0.0
100	QPSK	1	271	23.32	22.84	22.68		
100	QPSK	135	0	23.40	22.97	22.79		
100	QPSK	135	69	23.44	23.02	22.92	24.5	0.0
100	QPSK	135	138	23.36	22.92	22.68		
100	QPSK	270	0	23.39	22.94	22.81	24.5	0.0
100	16QAM	1	1	23.46	23.10	23.01	24.5	0.0
100	64QAM	1	1	23.44	23.08	23.01	24.5	0.0
100	256QAM	1	1	21.96	21.65	21.54	23.0	1.5
Channel				649666	656000	662334	Tune-up limit	MPR
Frequency (MHz)				3745.02	3840	3934.98	(dBm)	(dB)
90	PI/2 BPSK	1	1	23.12	23.39	23.45	24.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	23.21	23.41	23.46	24.5	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3740	3840	3940	(dBm)	(dB)
70	PI/2 BPSK	1	1	23.19	23.35	23.39	24.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3738.02	3840	3941.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.13	23.39	23.48	24.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3735.01	3840	3944.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.18	23.43	23.46	24.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3730	3840	3950	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.20	23.36	23.50	24.5	0.0
Channel				647332	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.17	23.41	23.45	24.5	0.0
Channel				647004	656000	664664	Tune-up limit	MPR
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.17	23.44	23.50	24.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	23.14	23.45	23.45	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	23.16	23.42	23.50	24.5	0.0

Part27O_n78_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.49		22.5	0.0
100	PI/2 BPSK	1	137		21.39			
100	PI/2 BPSK	1	271		21.38			
100	PI/2 BPSK	135	0		21.38		22.5	0.0
100	PI/2 BPSK	135	69		21.43		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.33			
100	QPSK	1	1		21.36		22.5	0.0
100	QPSK	1	137		21.39			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.38		22.5	0.0
100	QPSK	135	69		21.34			
100	QPSK	135	138		21.21			
100	QPSK	270	0		21.26		22.5	0.0
100	16QAM	1	1		21.44		22.5	0.0
100	64QAM	1	1		21.40		22.5	0.0
100	256QAM	1	1		21.33		22.5	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.42	21.37	21.44	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.32	21.33	21.39	22.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	PI/2 BPSK	1	1	21.43	21.38	21.35	22.5	0.0
Channel				646668	650000	653332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	21.31	21.21	21.38	22.5	0.0
Channel				646334	650000	653666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3708.01	3750	3791.99		
50	PI/2 BPSK	1	1	21.40	21.38	21.36	22.5	0.0
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3750	3800		
40	PI/2 BPSK	1	1	21.35	21.37	21.42	22.5	0.0
Channel				645334	650000	654666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.99	3750	3824.01		
30	PI/2 BPSK	1	1	21.41	21.30	21.42	22.5	0.0
Channel				644334	650000	655666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3650.01	3750	3849.99		
20	PI/2 BPSK	1	1	21.32	21.24	21.40	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.25	21.40	21.44	22.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.32	21.42	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.49		24.5	0.0
100	PI/2 BPSK	1	137		23.47			
100	PI/2 BPSK	1	271		23.44			
100	PI/2 BPSK	135	0		23.23		24.5	0.0
100	PI/2 BPSK	135	69		23.35		24.5	0.0
100	PI/2 BPSK	135	138		23.33		24.5	0.0
100	PI/2 BPSK	270	0		23.25			
100	QPSK	1	1		23.31		24.5	0.0
100	QPSK	1	137		23.39			
100	QPSK	1	271		23.38			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.28			
100	QPSK	135	138		23.32			
100	QPSK	270	0		23.29		24.5	0.0
100	16QAM	1	1		23.41		24.5	0.0
100	64QAM	1	1		23.47		24.5	0.0
100	256QAM	1	1		21.85		23.0	1.5
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.35	23.33	23.44	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	23.32	23.46	23.31	24.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	PI/2 BPSK	1	1	23.41	23.33	23.46	24.5	0.0
Channel				646668	650000	653332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	23.36	23.46	23.47	24.5	0.0
Channel				646334	650000	653666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3708.01	3750	3791.99		
50	PI/2 BPSK	1	1	23.46	23.41	23.36	24.5	0.0
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3750	3800		
40	PI/2 BPSK	1	1	23.37	23.29	23.25	24.5	0.0
Channel				645334	650000	654666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.99	3750	3824.01		
30	PI/2 BPSK	1	1	23.44	23.38	23.37	24.5	0.0
Channel				644334	650000	655666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3650.01	3750	3849.99		
20	PI/2 BPSK	1	1	23.41	23.41	23.35	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.49	23.37	23.32	24.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	23.41	23.45	23.48	24.5	0.0

Part27O_n78_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.39		22.5	0.0
100	PI/2 BPSK	1	137		21.37			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.29		22.5	0.0
100	PI/2 BPSK	135	69		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.36			
100	QPSK	1	1		21.31		22.5	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.35		22.5	0.0
100	QPSK	135	69		21.21			
100	QPSK	135	138		21.24			
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.34		22.5	0.0
100	64QAM	1	1		21.36		22.5	0.0
100	256QAM	1	1		21.27		22.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.35	21.13	21.25	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.36	21.36	21.17	22.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	PI/2 BPSK	1	1	21.34	21.14	21.37	22.5	0.0
Channel				646668	650000	653332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	21.36	21.32	21.29	22.5	0.0
Channel				646334	650000	653666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3708.01	3750	3791.99		
50	PI/2 BPSK	1	1	21.37	21.34	21.34	22.5	0.0
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3750	3800		
40	PI/2 BPSK	1	1	21.34	21.31	21.38	22.5	0.0
Channel				645334	650000	654666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.99	3750	3824.01		
30	PI/2 BPSK	1	1	21.35	21.32	21.30	22.5	0.0
Channel				644334	650000	655666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3650.01	3750	3849.99		
20	PI/2 BPSK	1	1	21.37	21.16	21.34	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.38	21.30	21.37	22.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.24	21.33	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.42		24.5	0.0
100	PI/2 BPSK	1	137		23.35			
100	PI/2 BPSK	1	271		23.38			
100	PI/2 BPSK	135	0		23.32		24.5	0.0
100	PI/2 BPSK	135	69		23.37		24.5	0.0
100	PI/2 BPSK	135	138		23.27		24.5	0.0
100	PI/2 BPSK	270	0		23.35			
100	QPSK	1	1		23.34		24.5	0.0
100	QPSK	1	137		23.38			
100	QPSK	1	271		23.34			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.32			
100	QPSK	135	138		23.25			
100	QPSK	270	0		23.31		24.5	0.0
100	16QAM	1	1		23.35		24.5	0.0
100	64QAM	1	1		23.39		24.5	0.0
100	256QAM	1	1		21.79		23.0	1.5
Channel				649668	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.32	23.31	23.33	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	23.37	23.31	23.36	24.5	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3760		
70	PI/2 BPSK	1	1	23.32	23.25	23.33	24.5	0.0
Channel				646668	650000	653332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	23.39	23.33	23.37	24.5	0.0
Channel				646334	650000	653666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3708.01	3750	3791.99		
50	PI/2 BPSK	1	1	23.27	23.22	23.31	24.5	0.0
Channel				646000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3750	3800		
40	PI/2 BPSK	1	1	23.31	23.29	23.35	24.5	0.0
Channel				645334	650000	654666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.99	3750	3824.01		
30	PI/2 BPSK	1	1	23.32	23.28	23.35	24.5	0.0
Channel				644334	650000	655666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3650.01	3750	3849.99		
20	PI/2 BPSK	1	1	23.34	23.38	23.28	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.35	23.33	23.39	24.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	23.34	23.27	23.34	24.5	0.0

Part27O_n78_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.39		22.5	0.0
100	PI/2 BPSK	1	137		21.37			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.29		22.5	0.0
100	PI/2 BPSK	135	69		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.36			
100	QPSK	1	1		21.31		22.5	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.35		22.5	0.0
100	QPSK	135	69		21.21			
100	QPSK	135	138		21.24			
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.34		22.5	0.0
100	64QAM	1	1		21.36		22.5	0.0
100	256QAM	1	1		21.27		22.5	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.35	21.13	21.25	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.36	21.36	21.17	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	21.34	21.14	21.37	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.02	3750	3764.98		
60	PI/2 BPSK	1	1	21.36	21.32	21.29	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	21.37	21.34	21.34	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	21.34	21.31	21.38	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	21.35	21.32	21.30	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3789.99		
20	PI/2 BPSK	1	1	21.37	21.16	21.34	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.38	21.39	21.37	22.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.24	21.33	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.42		24.5	0.0
100	PI/2 BPSK	1	137		23.35			
100	PI/2 BPSK	1	271		23.38			
100	PI/2 BPSK	135	0		23.32		24.5	0.0
100	PI/2 BPSK	135	69		23.37		24.5	0.0
100	PI/2 BPSK	135	138		23.27		24.5	0.0
100	PI/2 BPSK	270	0		23.35			
100	QPSK	1	1		23.34		24.5	0.0
100	QPSK	1	137		23.38			
100	QPSK	1	271		23.34			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.32			
100	QPSK	135	138		23.25			
100	QPSK	270	0		23.31		24.5	0.0
100	16QAM	1	1		23.35		24.5	0.0
100	64QAM	1	1		23.39		24.5	0.0
100	256QAM	1	1		21.79		23.0	1.5
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.32	23.31	23.33	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	23.37	23.31	23.36	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	23.32	23.25	23.33	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.02	3750	3764.98		
60	PI/2 BPSK	1	1	23.39	23.33	23.37	24.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	23.27	23.22	23.31	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	23.31	23.29	23.35	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	23.32	23.28	23.35	24.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3789.99		
20	PI/2 BPSK	1	1	23.34	23.38	23.28	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.35	23.33	23.39	24.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	23.34	23.27	23.34	24.5	0.0

Part27O_n78_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.46		22.5	0.0
100	PI/2 BPSK	1	137		21.39			
100	PI/2 BPSK	1	271		21.38			
100	PI/2 BPSK	135	0		21.38		22.5	0.0
100	PI/2 BPSK	135	69		21.43		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.39			
100	QPSK	1	1		21.36		22.5	0.0
100	QPSK	1	137		21.39			
100	QPSK	1	271		21.38			
100	QPSK	135	0		21.38		22.5	0.0
100	QPSK	135	69		21.34			
100	QPSK	135	138		21.21			
100	QPSK	270	0		21.26		22.5	0.0
100	16QAM	1	1		21.44		22.5	0.0
100	64QAM	1	1		21.40		22.5	0.0
100	256QAM	1	1		21.33		22.5	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.42	21.37	21.44	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.32	21.32	21.39	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	21.43	21.38	21.35	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.02	3750	3764.98		
60	PI/2 BPSK	1	1	21.31	21.21	21.38	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	21.40	21.38	21.36	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	21.35	21.37	21.42	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	21.41	21.30	21.42	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3789.99		
20	PI/2 BPSK	1	1	21.32	21.24	21.40	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.25	21.40	21.44	22.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.32	21.42	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.49		24.5	0.0
100	PI/2 BPSK	1	137		23.47			
100	PI/2 BPSK	1	271		23.44			
100	PI/2 BPSK	135	0		23.23		24.5	0.0
100	PI/2 BPSK	135	69		23.35		24.5	0.0
100	PI/2 BPSK	135	138		23.33		24.5	0.0
100	PI/2 BPSK	270	0		23.25			
100	QPSK	1	1		23.31		24.5	0.0
100	QPSK	1	137		23.39			
100	QPSK	1	271		23.39			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.28			
100	QPSK	135	138		23.32			
100	QPSK	270	0		23.29		24.5	0.0
100	16QAM	1	1		23.41		24.5	0.0
100	64QAM	1	1		23.47		24.5	0.0
100	256QAM	1	1		21.85		23.0	1.5
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.35	23.33	23.44	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	23.32	23.48	23.31	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	23.41	23.33	23.46	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735.02	3750	3764.98		
60	PI/2 BPSK	1	1	23.36	23.48	23.47	24.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	23.46	23.41	23.36	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	23.37	23.29	23.25	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	23.44	23.38	23.37	24.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3789.99		
20	PI/2 BPSK	1	1	23.41	23.41	23.35	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.45	23.37	23.32	24.5	0.0
Channel				647005	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	23.41	23.45	23.48	24.5	0.0

UL MIMO Power for State 10

n41_Ant 1

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				506202	518998	528000		
Frequency (MHz)				2546.01	2562.99	2640		
100	PI/2 BPSK	1	0	21.03	21.27	21.04	22.5	0.0
100	PI/2 BPSK	1	137	21.04	21.02	20.95		
100	PI/2 BPSK	1	271	20.94	21.04	20.88		
100	PI/2 BPSK	135	0	20.95	21.03	20.95	22.5	0.0
100	PI/2 BPSK	135	68	21.04	21.25	20.99	22.5	0.0
100	PI/2 BPSK	135	135	20.93	21.00	20.97	22.5	0.0
100	PI/2 BPSK	270	0	21.02	21.22	21.00		
100	QPSK	1	1	20.99	21.15	21.05	22.5	0.0
100	QPSK	1	137	20.99	21.02	20.98		
100	QPSK	1	271	20.97	21.05	20.92		
100	QPSK	135	0	21.08	21.09	21.02	22.5	0.0
100	QPSK	135	68	21.04	21.04	21.01		
100	QPSK	135	135	20.93	21.01	20.87		
100	QPSK	270	0	21.00	21.02	21.01	22.5	0.0
100	16QAM	1	1	21.22	21.24	21.26	22.5	0.0
100	64QAM	1	1	21.22	21.25	21.22	22.5	0.0
100	256QAM	1	1	20.46	20.52	20.52	21.5	1.0
Channel				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2644.98		
90	PI/2 BPSK	1	1	20.94	21.11	21.00	22.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2562.99	2649.99		
80	PI/2 BPSK	1	1	20.90	21.08	20.96	22.5	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2562.99	2655		
70	PI/2 BPSK	1	1	20.90	21.18	21.02	22.5	0.0
Channel				505300	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2659.98		
60	PI/2 BPSK	1	1	20.88	21.11	21.03	22.5	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2664.99		
50	PI/2 BPSK	1	1	20.90	21.12	20.98	22.5	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2670		
40	PI/2 BPSK	1	1	20.89	21.18	20.98	22.5	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2674.98		
30	PI/2 BPSK	1	1	20.92	21.09	21.03	22.5	0.0
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99		
20	PI/2 BPSK	1	1	20.88	21.16	21.00	22.5	0.0

n41(HPUE)_Ant 1

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				506202	518998	528000		
Frequency (MHz)				2546.01	2562.99	2640		
100	PI/2 BPSK	1	0	23.08	23.18	23.00	24.5	0.0
100	PI/2 BPSK	1	137	22.91	23.01	22.91		
100	PI/2 BPSK	1	271	23.06	22.99	22.94		
100	PI/2 BPSK	135	0	22.96	23.01	22.99	24.5	0.0
100	PI/2 BPSK	135	68	23.06	23.09	23.01	24.5	0.0
100	PI/2 BPSK	135	135	22.97	22.99	22.91	24.5	0.0
100	PI/2 BPSK	270	0	23.02	23.00	23.00		
100	QPSK	1	1	23.11	23.17	23.16	24.5	0.0
100	QPSK	1	137	23.10	23.05	22.99		
100	QPSK	1	271	22.99	22.94	22.85		
100	QPSK	135	0	23.17	23.10	23.10	24.5	0.0
100	QPSK	135	68	23.05	23.02	23.07		
100	QPSK	135	135	22.98	22.95	22.91		
100	QPSK	270	0	23.10	23.04	23.10	24.5	0.0
100	16QAM	1	1	23.15	23.17	23.16	24.5	0.0
100	64QAM	1	1	22.80	22.72	22.81	23.5	1.0
100	256QAM	1	1	20.46	20.51	20.55	21.5	3.0
Channel				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2644.98		
90	PI/2 BPSK	1	1	23.07	23.11	22.99	24.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2562.99	2649.99		
80	PI/2 BPSK	1	1	23.01	23.12	22.91	24.5	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2562.99	2655		
70	PI/2 BPSK	1	1	23.06	23.11	22.92	24.5	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2659.98		
60	PI/2 BPSK	1	1	22.99	23.12	22.97	24.5	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2664.99		
50	PI/2 BPSK	1	1	23.02	23.09	22.92	24.5	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2670		
40	PI/2 BPSK	1	1	23.01	23.09	22.99	24.5	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2674.98		
30	PI/2 BPSK	1	1	23.00	23.03	22.92	24.5	0.0
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99		
20	PI/2 BPSK	1	1	23.01	23.10	22.94	24.5	0.0

n41_Ant 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				506202	518998	528000		
Frequency (MHz)				2546.01	2562.99	2640		
100	PI/2 BPSK	1	0	16.53	16.87	16.59	18.0	0.0
100	PI/2 BPSK	1	137	16.49	16.48	16.57		
100	PI/2 BPSK	1	271	16.51	16.71	16.53		
100	PI/2 BPSK	135	0	16.51	16.55	16.52	18.0	0.0
100	PI/2 BPSK	135	68	16.53	16.85	16.58	18.0	0.0
100	PI/2 BPSK	135	135	16.50	16.48	16.46	18.0	0.0
100	PI/2 BPSK	270	0	16.52	16.83	16.72		
100	QPSK	1	1	16.69	16.69	16.70	18.0	0.0
100	QPSK	1	137	16.53	16.53	16.73		
100	QPSK	1	271	16.62	16.77	16.63		
100	QPSK	135	0	16.63	16.67	16.53	18.0	0.0
100	QPSK	135	68	16.70	16.79	16.70		
100	QPSK	135	135	16.44	16.55	16.54		
100	QPSK	270	0	16.65	16.69	16.74	18.0	0.0
100	16QAM	1	1	16.87	16.87	16.80	18.0	0.0
100	64QAM	1	1	16.80	16.82	16.82	18.0	0.0
100	256QAM	1	1	16.71	16.61	16.69	18.0	0.0
Channel				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2644.98		
90	PI/2 BPSK	1	1	16.62	16.73	16.58	18.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2562.99	2649.99		
80	PI/2 BPSK	1	1	16.63	16.72	16.47	18.0	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2562.99	2655		
70	PI/2 BPSK	1	1	16.44	16.74	16.52	18.0	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2659.98		
60	PI/2 BPSK	1	1	16.54	16.62	16.47	18.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2664.99		
50	PI/2 BPSK	1	1	16.57	16.62	16.50	18.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2670		
40	PI/2 BPSK	1	1	16.54	16.80	16.32	18.0	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2674.98		
30	PI/2 BPSK	1	1	16.43	16.64	16.55	18.0	0.0
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99		
20	PI/2 BPSK	1	1	16.55	16.63	16.45	18.0	0.0

n41(HPUE)_Ant 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				506202	518998	528000		
Frequency (MHz)				2546.01	2562.99	2640		
100	PI/2 BPSK	1	0	16.57	16.87	16.59	18.0	0.0
100	PI/2 BPSK	1	137	16.49	16.48	16.57		
100	PI/2 BPSK	1	271	16.51	16.71	16.53		
100	PI/2 BPSK	135	0	16.51	16.55	16.52	18.0	0.0
100	PI/2 BPSK	135	68	16.53	16.85	16.58	18.0	0.0
100	PI/2 BPSK	135	135	16.50	16.48	16.46	18.0	0.0
100	PI/2 BPSK	270	0	16.52	16.83	16.72		
100	QPSK	1	1	16.69	16.69	16.70	18.0	0.0
100	QPSK	1	137	16.53	16.53	16.73		
100	QPSK	1	271	16.62	16.77	16.63		
100	QPSK	135	0	16.63	16.67	16.53	18.0	0.0
100	QPSK	135	68	16.70	16.79	16.70		
100	QPSK	135	135	16.44	16.55	16.54		
100	QPSK	270	0	16.65	16.69	16.74	18.0	0.0
100	16QAM	1	1	16.87	16.87	16.80	18.0	0.0
100	64QAM	1	1	16.80	16.82	16.82	18.0	0.0
100	256QAM	1	1	16.71	16.61	16.69	18.0	0.0
Channel				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2644.98		
90	PI/2 BPSK	1	1	16.62	16.73	16.58	18.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2556.02	2562.99	2649.99		
80	PI/2 BPSK	1	1	16.63	16.72	16.47	18.0	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2571.01	2562.99	2655		
70	PI/2 BPSK	1	1	16.44	16.74	16.52	18.0	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2659.98		
60	PI/2 BPSK	1	1	16.54	16.62	16.47	18.0	0.0
Channel				504204	518998	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2664.99		
50	PI/2 BPSK	1	1	16.57	16.62	16.50	18.0	0.0
Channel				503202	518998	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2670		
40	PI/2 BPSK	1	1	16.54	16.80	16.32	18.0	0.0
Channel				502200	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2674.98		
30	PI/2 BPSK	1	1	16.43	16.64	16.55	18.0	0.0
Channel				501204	518998	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2679.99		
20	PI/2 BPSK	1	1	16.55	16.63	16.45	18.0	0.0

n41_Ant 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				506002	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	0	17.38	17.23	17.23	19.0	0.0
100	PI/2 BPSK	1	137	17.34	17.17	17.16		
100	PI/2 BPSK	1	271	17.36	17.20	17.19		
100	PI/2 BPSK	135	0	17.32	17.14	17.20	19.0	0.0
100	PI/2 BPSK	135	68	17.36	17.23	17.22	19.0	0.0
100	PI/2 BPSK	135	138	17.33	17.22	17.12	19.0	0.0
100	PI/2 BPSK	270	0	17.35	17.21	17.13		
100	QPSK	1	0	17.36	17.34	17.22	19.0	0.0
100	QPSK	1	137	17.32	17.13	17.17		
100	QPSK	1	271	17.30	17.11	17.20		
100	QPSK	135	0	17.31	17.21	17.19	19.0	0.0
100	QPSK	135	68	17.18	17.14	17.20		
100	QPSK	135	138	17.16	17.29	17.21		
100	QPSK	270	0	17.16	17.11	17.18	19.0	0.0
100	16QAM	1	1	17.23	17.26	17.11	19.0	0.0
100	64QAM	1	1	17.20	17.12	17.15	19.0	0.0
100	256QAM	1	1	17.35	17.15	17.17	19.0	0.0
Channel				506202	518998	528600	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2561	2592.99	2664.99		
90	PI/2 BPSK	1	1	17.29	17.23	17.08	19.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2592.99	2689.98		
80	PI/2 BPSK	1	1	17.35	17.14	17.13	19.0	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2591.01	2592.99	2695		
70	PI/2 BPSK	1	1	17.32	17.10	17.08	19.0	0.0
Channel				505300	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	17.24	17.33	17.25	19.0	0.0
Channel				504404	518998	533008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	17.27	17.11	17.07	19.0	0.0
Channel				503402	518998	534002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	17.30	17.29	17.15	19.0	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	17.33	17.23	17.18	19.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	17.32	17.15	17.30	19.0	0.0

n41(HPUE)_Ant 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				506202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	0	17.38	17.23	17.23	19.0	0.0
100	PI/2 BPSK	1	137	17.34	17.17	17.16		
100	PI/2 BPSK	1	271	17.36	17.20	17.19		
100	PI/2 BPSK	135	0	17.32	17.14	17.20	19.0	0.0
100	PI/2 BPSK	135	68	17.36	17.23	17.22	19.0	0.0
100	PI/2 BPSK	135	138	17.33	17.22	17.12	19.0	0.0
100	PI/2 BPSK	270	0	17.35	17.21	17.13		
100	QPSK	1	0	17.36	17.34	17.22	19.0	0.0
100	QPSK	1	137	17.32	17.13	17.17		
100	QPSK	1	271	17.30	17.11	17.20		
100	QPSK	135	0	17.31	17.21	17.19	19.0	0.0
100	QPSK	135	68	17.18	17.14	17.20		
100	QPSK	135	138	17.18	17.29	17.21		
100	QPSK	270	0	17.16	17.11	17.18	19.0	0.0
100	16QAM	1	1	17.23	17.26	17.11	19.0	0.0
100	64QAM	1	1	17.20	17.12	17.15	19.0	0.0
100	256QAM	1	1	17.35	17.15	17.17	17.5	1.5
Channel				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2561	2592.99	2664.99		
90	PI/2 BPSK	1	1	17.29	17.23	17.08	19.0	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2592.99	2689.98		
80	PI/2 BPSK	1	1	17.35	17.14	17.13	19.0	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2591.01	2592.99	2695		
70	PI/2 BPSK	1	1	17.32	17.10	17.08	19.0	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	17.24	17.33	17.25	19.0	0.0
Channel				504404	518998	533008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	17.27	17.11	17.07	19.0	0.0
Channel				503402	518998	534002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	17.30	17.29	17.15	19.0	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	17.33	17.23	17.18	19.0	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	17.32	17.15	17.30	19.0	0.0

n41_Ant 8

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				506202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	0	20.68	20.62	20.57	22.5	0.0
100	PI/2 BPSK	1	137	20.66	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53	22.5	0.0
100	PI/2 BPSK	135	68	20.85	20.60	20.53	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54	22.5	0.0
100	PI/2 BPSK	270	0	20.85	20.52	20.54		
100	QPSK	1	0	20.79	20.56	20.51	22.5	0.0
100	QPSK	1	137	20.81	20.50	20.52		
100	QPSK	1	271	20.75	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55	22.5	0.0
100	QPSK	135	68	20.80	20.50	20.53		
100	QPSK	135	138	20.74	20.54	20.56		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2561	2592.99	2664.99		
90	PI/2 BPSK	1	1	20.79	20.62	20.82	22.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2592.99	2689.98		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2591.01	2592.99	2695		
70	PI/2 BPSK	1	1	20.79	20.67	20.78	22.5	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504404	518998	533008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				503402	518998	534002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.73	20.69	20.83	22.5	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 8

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				506202	518998	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	0	22.90	22.62	22.58	24.5	0.0
100	PI/2 BPSK	1	137	22.89	22.57	22.51		
100	PI/2 BPSK	1	271	22.75	22.60	22.55		
100	PI/2 BPSK	135	0	22.79	22.55	22.50	24.5	0.0
100	PI/2 BPSK	135	68	22.88	22.60	22.55	24.5	0.0
100	PI/2 BPSK	135	138	22.78	22.52	22.52	24.5	0.0
100	PI/2 BPSK	270	0	22.83	22.57	22.53		
100	QPSK	1	0	22.87	22.50	22.56	24.5	0.0
100	QPSK	1	137	22.87	22.56	22.54		
100	QPSK	1	271	22.78	22.60	22.50		
100	QPSK	135	0	22.80	22.57	22.55	24.5	0.0
100	QPSK	135	68	22.88	22.58	22.52		
100	QPSK	135	138	22.80	22.53	22.54		
100	QPSK	270	0	22.80	22.52	22.57	24.5	0.0
100	16QAM	1	1	22.77	22.52	22.53	24.5	0.0
100	64QAM	1	1	22.71	22.56	22.52	24.5	0.0
100	256QAM	1	1	21.42	21.66	21.07	23.5	1.0
Channel				506202	518998	528000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2561	2592.99	2664.99		
90	PI/2 BPSK	1	1	22.85	22.73	22.88	24.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2576.02	2592.99	2689.98		
80	PI/2 BPSK	1	1	22.82	22.68	22.86	24.5	0.0
Channel				508202	518998	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2591.01	2592.99	2695		
70	PI/2 BPSK	1	1	22.86	22.68	22.87	24.5	0.0
Channel				505200	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.87	22.73	22.82	24.5	0.0
Channel				504404	518998	533008	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.89	22.71	22.82	24.5	0.0
Channel				503402	518998	534002	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.86	22.75	22.79	24.5	0.0
Channel				502200	518998	534998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.88	22.74	22.88	24.5	0.0
Channel				501204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.89	22.68	22.86	24.5	0.0

Part27O_n77_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.20	16.81	16.73	18.0	0.0
100	PI/2 BPSK	1	137	16.66	16.63	16.47		
100	PI/2 BPSK	1	271	16.68	16.61	16.33		
100	PI/2 BPSK	135	0	16.69	16.72	16.36	18.0	0.0
100	PI/2 BPSK	135	69	17.18	16.80	16.73	18.0	0.0
100	PI/2 BPSK	135	138	16.73	16.50	16.29	18.0	0.0
100	PI/2 BPSK	270	0	17.15	16.78	16.54		
100	QPSK	1	1	17.16	16.84	16.42	18.0	0.0
100	QPSK	1	137	16.83	16.76	16.35		
100	QPSK	1	271	17.03	16.39	16.25		
100	QPSK	135	0	16.83	16.52	16.50	18.0	0.0
100	QPSK	135	69	16.89	16.58	16.36		
100	QPSK	135	138	16.62	16.41	16.22		
100	QPSK	270	0	17.13	16.40	16.43	18.0	0.0
100	16QAM	1	1	17.01	16.83	16.55	18.0	0.0
100	64QAM	1	1	16.97	16.55	16.71	18.0	0.0
100	256QAM	1	1	16.85	16.57	16.57	18.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	17.15	16.70	16.50	18.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.01	3840	3934.99		
80	PI/2 BPSK	1	1	17.01	16.57	16.77	18.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	17.07	16.56	16.65	18.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	17.18	16.69	16.50	18.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	17.03	16.58	16.54	18.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	17.00	16.59	16.63	18.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	17.00	16.68	16.53	18.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	17.06	16.69	16.66	18.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	16.92	16.56	16.73	18.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	17.20	16.76	16.54	18.0	0.0

Part27O_n77(HPUE)_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	17.20	16.81	16.73	18.0	0.0
100	PI/2 BPSK	1	137	16.66	16.63	16.47		
100	PI/2 BPSK	1	271	16.68	16.61	16.33		
100	PI/2 BPSK	135	0	16.69	16.72	16.36	18.0	0.0
100	PI/2 BPSK	135	69	17.18	16.80	16.73	18.0	0.0
100	PI/2 BPSK	135	138	16.73	16.50	16.29	18.0	0.0
100	PI/2 BPSK	270	0	17.15	16.78	16.54		
100	QPSK	1	1	17.16	16.84	16.42	18.0	0.0
100	QPSK	1	137	16.83	16.76	16.35		
100	QPSK	1	271	17.03	16.39	16.25		
100	QPSK	135	0	16.83	16.52	16.50	18.0	0.0
100	QPSK	135	69	16.89	16.58	16.36		
100	QPSK	135	138	16.62	16.41	16.22		
100	QPSK	270	0	17.13	16.40	16.43	18.0	0.0
100	16QAM	1	1	17.01	16.83	16.55	18.0	0.0
100	64QAM	1	1	16.97	16.55	16.71	18.0	0.0
100	256QAM	1	1	16.85	16.57	16.57	18.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
50	PI/2 BPSK	1	1	17.15	16.70	16.50	18.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.01	3840	3934.99		
80	PI/2 BPSK	1	1	17.01	16.57	16.77	18.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	17.07	16.56	16.65	18.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	17.18	16.69	16.50	18.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	17.03	16.58	16.54	18.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	17.00	16.59	16.63	18.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	17.00	16.68	16.53	18.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	17.06	16.69	16.66	18.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	16.92	16.56	16.73	18.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	17.20	16.76	16.54	18.0	0.0

Part27O_n77_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.43	21.34	21.32	22.5	0.0
100	PI/2 BPSK	1	137	21.41	21.32	21.31		
100	PI/2 BPSK	1	271	21.34	21.14	21.25		
100	PI/2 BPSK	135	0	21.29	21.19	21.24	22.5	0.0
100	PI/2 BPSK	135	69	21.37	21.32	21.26	22.5	0.0
100	PI/2 BPSK	135	138	21.30	21.27	21.22		
100	PI/2 BPSK	270	0	21.31	21.30	21.27		
100	QPSK	1	1	21.22	21.19	21.26	22.5	0.0
100	QPSK	1	137	21.38	21.27	21.31		
100	QPSK	1	271	21.42	21.15	21.30		
100	QPSK	135	0	21.31	21.16	21.23	22.5	0.0
100	QPSK	135	69	21.36	21.21	21.27		
100	QPSK	135	138	21.30	21.14	21.29		
100	QPSK	270	0	21.31	21.13	21.24	22.5	0.0
100	16QAM	1	1	21.03	21.30	21.23	22.5	0.0
100	64QAM	1	1	21.39	21.29	21.28	22.5	0.0
100	256QAM	1	1	21.38	21.29	21.25	22.5	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	21.34	21.22	21.28	22.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.01	3840	3934.99		
80	PI/2 BPSK	1	1	21.38	21.31	21.29	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	21.40	21.30	21.22	22.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	21.40	21.29	21.39	22.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	21.39	21.30	21.40	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	21.39	21.29	21.39	22.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	21.31	21.30	21.41	22.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	21.30	21.28	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	21.33	21.28	21.41	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	21.39	21.31	21.42	22.5	0.0

Part27O_n77(HPUE)_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.00	22.82	22.69	24.0	0.0
100	PI/2 BPSK	1	137	22.86	22.80	22.80		
100	PI/2 BPSK	1	271	22.75	22.72	22.62		
100	PI/2 BPSK	135	0	22.57	22.77	22.65	24.0	0.0
100	PI/2 BPSK	135	69	22.95	22.80	22.66	24.0	0.0
100	PI/2 BPSK	135	138	22.68	22.50	22.74		
100	PI/2 BPSK	270	0	22.03	22.79	22.82		
100	QPSK	1	1	22.69	22.56	22.99	24.0	0.0
100	QPSK	1	137	22.64	22.65	22.97		
100	QPSK	1	271	22.93	22.53	22.81		
100	QPSK	135	0	22.65	22.64	22.78	24.0	0.0
100	QPSK	135	69	22.66	22.79	22.85		
100	QPSK	135	138	22.79	22.60	22.65		
100	QPSK	270	0	22.85	22.75	22.76	24.0	0.0
100	16QAM	1	1	22.83	22.70	22.68	24.0	0.0
100	64QAM	1	1	22.92	22.77	22.69	24.0	0.0
100	256QAM	1	1	21.92	21.83	21.77	23.0	1.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	22.90	22.55	22.61	24.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.01	3840	3934.99		
80	PI/2 BPSK	1	1	22.73	22.60	22.93	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	1	22.74	22.71	22.67	24.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	22.91	22.57	22.73	24.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	22.98	22.57	22.93	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	22.95	22.72	22.79	24.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	22.94	22.84	22.91	24.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	22.74	22.88	22.85	24.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	22.89	22.61	22.97	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	22.97	22.69	22.76	24.0	0.0

Part27O_n77_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	0	21.43	21.34	21.32	22.5	0.0
100	PI/2 BPSK	1	137	21.41	21.32	21.31		
100	PI/2 BPSK	1	271	21.34	21.14	21.25		
100	PI/2 BPSK	135	0	21.29	21.19	21.24	22.5	0.0
100	PI/2 BPSK	135	69	21.37	21.32	21.29	22.5	0.0
100	PI/2 BPSK	135	138	21.30	21.27	21.22	22.5	0.0
100	PI/2 BPSK	270	0	21.31	21.30	21.27		
100	QPSK	1	0	21.22	21.19	21.26	22.5	0.0
100	QPSK	1	137	21.38	21.27	21.31		
100	QPSK	1	271	21.42	21.15	21.30		
100	QPSK	135	0	21.31	21.16	21.23	22.5	0.0
100	QPSK	135	69	21.36	21.21	21.27		
100	QPSK	135	138	21.30	21.14	21.29		
100	QPSK	270	0	21.31	21.13	21.24	22.5	0.0
100	16QAM	1	0	21.03	21.30	21.23	22.5	0.0
100	64QAM	1	0	21.39	21.29	21.28	22.5	0.0
100	256QAM	1	0	21.36	21.29	21.25	22.5	0.0
Channel				649998	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3840	3934.98		
90	PI/2 BPSK	1	0	21.34	21.22	21.28	22.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3840	3933.99		
80	PI/2 BPSK	1	0	21.38	21.31	21.29	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	0	21.40	21.30	21.22	22.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	0	21.40	21.29	21.39	22.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	0	21.39	21.30	21.40	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	0	21.39	21.29	21.39	22.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	0	21.31	21.30	21.41	22.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99		
20	PI/2 BPSK	1	0	21.30	21.28	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	0	21.33	21.28	21.41	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	0	21.39	21.31	21.42	22.5	0.0

Part27O_n77(HPUE)_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	0	23.41	23.33	23.34	24.5	0.0
100	PI/2 BPSK	1	137	23.40	23.29	23.33		
100	PI/2 BPSK	1	271	23.34	23.20	23.28		
100	PI/2 BPSK	135	0	23.24	23.26	23.29	24.5	0.0
100	PI/2 BPSK	135	69	23.36	23.31	23.32	24.5	0.0
100	PI/2 BPSK	135	138	23.30	23.18	23.29	24.5	0.0
100	PI/2 BPSK	270	0	23.34	23.30	23.29		
100	QPSK	1	0	23.22	23.17	23.32	24.5	0.0
100	QPSK	1	137	23.32	23.28	23.35		
100	QPSK	1	271	23.33	23.21	23.30		
100	QPSK	135	0	23.24	23.16	23.25	24.5	0.0
100	QPSK	135	69	23.27	23.25	23.27		
100	QPSK	135	138	23.31	23.18	23.29		
100	QPSK	270	0	23.23	23.15	23.26	24.5	0.0
100	16QAM	1	0	23.31	23.25	23.17	24.5	0.0
100	64QAM	1	0	23.38	23.26	23.28	24.5	0.0
100	256QAM	1	0	21.96	21.87	21.81	23.0	1.5
Channel				649998	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3840	3934.98		
90	PI/2 BPSK	1	0	23.36	23.27	23.29	24.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3840	3933.99		
80	PI/2 BPSK	1	0	23.37	23.31	23.30	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	0	23.36	23.28	23.29	24.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	0	23.33	23.31	23.27	24.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	0	23.33	23.24	23.20	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	0	23.36	23.25	23.29	24.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	0	23.31	23.23	23.28	24.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI/2 BPSK	1	0	23.37	23.29	23.24	24.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	0	23.31	23.34	23.30	24.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	0	23.40	23.31	23.29	24.5	0.0

Part27O_n77_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	0	21.49	21.14	21.01	22.5	0.0
100	PI/2 BPSK	1	137	21.25	21.05	20.71		
100	PI/2 BPSK	1	271	21.22	20.88	20.82		
100	PI/2 BPSK	135	0	21.36	21.05	20.86	22.5	0.0
100	PI/2 BPSK	135	69	21.42	21.08	20.98	22.5	0.0
100	PI/2 BPSK	135	138	21.16	20.97	20.57	22.5	0.0
100	PI/2 BPSK	270	0	21.37	21.05	20.78		
100	QPSK	1	0	21.45	21.10	20.92	22.5	0.0
100	QPSK	1	137	21.27	21.02	20.69		
100	QPSK	1	271	21.26	20.85	20.77		
100	QPSK	135	0	21.36	21.02	20.78	22.5	0.0
100	QPSK	135	69	21.37	21.04	20.81		
100	QPSK	135	138	21.12	20.99	20.72		
100	QPSK	270	0	21.35	20.98	20.68	22.5	0.0
100	16QAM	1	0	21.45	21.13	20.98	22.5	0.0
100	64QAM	1	0	21.47	21.10	20.95	22.5	0.0
100	256QAM	1	0	21.35	21.00	20.88	22.5	0.0
Channel				649998	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3840	3934.98		
90	PI/2 BPSK	1	0	21.13	21.36	21.42	22.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3840	3933.99		
80	PI/2 BPSK	1	0	21.14	21.36	21.41	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	PI/2 BPSK	1	0	21.13	21.42	21.44	22.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	0	21.12	21.40	21.40	22.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99		
50	PI/2 BPSK	1	0	21.19	21.38	21.44	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	0	21.14	21.33	21.45	22.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	0	21.12	21.33	21.40	22.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI/2 BPSK	1	0	21.14	21.37	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	0	21.19	21.40	21.42	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	0	21.19	21.43	21.37	22.5	0.0

Part27O_n77(HPUE)_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	0	23.52	23.13	23.05	24.5	0.0
100	PI/2 BPSK	1	137	23.30	22.95	22.82		
100	PI/2 BPSK	1	271	23.23	22.81	22.70		
100	PI/2 BPSK	135	0	23.43	22.88	22.88	24.5	0.0
100	PI/2 BPSK	135	69	23.48	23.07	22.98	24.5	0.0
100	PI/2 BPSK	135	138	23.33	22.98	22.73	24.5	0.0
100	PI/2 BPSK	270	0	23.40	23.04	22.85		
100	QPSK	1	0	23.46	23.10	23.00	24.5	0.0
100	QPSK	1	137	23.27	22.92	22.78		
100	QPSK	1	271	23.32	22.94	22.68		
100	QPSK	135	0	23.40	22.87	22.79	24.5	0.0
100	QPSK	135	69	23.44	23.02	22.92		
100	QPSK	135	138	23.36	22.90	22.68		
100	QPSK	270	0	23.39	22.94	22.81	24.5	0.0
100	16QAM	1	1	23.46	23.10	23.01	24.5	0.0
100	64QAM	1	1	23.44	23.08	23.01	24.5	0.0
100	256QAM	1	1	21.96	21.65	21.54	23.0	1.5
Channel				649998	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3840	3934.98		
90	PI/2 BPSK	1	1	23.12	23.39	23.45	24.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3840	3933.99		
80	PI/2 BPSK	1	1	23.21	23.41	23.46	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	23.19	23.35	23.39	24.5	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.13	23.39	23.48	24.5	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.18	23.43	23.46	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.20	23.36	23.50	24.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.17	23.41	23.45	24.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.17	23.44	23.50	24.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	23.14	23.45	23.45	24.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	23.16	23.42	23.50	24.5	0.0

Part27O_n78_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	0		16.95		18.0	0.0
100	PI/2 BPSK	1	137		16.83			
100	PI/2 BPSK	1	271		16.83			
100	PI/2 BPSK	135	0		16.84		18.0	0.0
100	PI/2 BPSK	135	68		16.85		18.0	0.0
100	PI/2 BPSK	135	138		16.55		18.0	0.0
100	PI/2 BPSK	270	0		16.77			
100	QPSK	1	0		16.83		18.0	0.0
100	QPSK	1	137		16.76			
100	QPSK	1	271		16.74			
100	QPSK	135	0		16.72		18.0	0.0
100	QPSK	135	68		16.79			
100	QPSK	135	138		16.62			
100	QPSK	270	0		16.61		18.0	0.0
100	16QAM	1	1		16.90		18.0	0.0
100	64QAM	1	1		16.78		18.0	0.0
100	256QAM	1	1		16.61		18.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3750	3754.98		
90	PI/2 BPSK	1	1	16.73	16.76	16.90	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3750	3759.99		
80	PI/2 BPSK	1	1	16.85	16.85	16.85	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	16.92	16.77	16.88	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	16.86	16.90	16.76	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	16.73	16.88	16.87	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	16.74	16.80	16.81	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	16.87	16.82	16.80	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	16.90	16.73	16.92	18.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	16.91	16.89	16.92	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	16.76	16.75	16.73	18.0	0.0

Part27O_n78(HPUE)_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	0		16.95		18.0	0.0
100	PI/2 BPSK	1	137		16.83			
100	PI/2 BPSK	1	271		16.83			
100	PI/2 BPSK	135	0		16.84		18.0	0.0
100	PI/2 BPSK	135	68		16.85		18.0	0.0
100	PI/2 BPSK	135	138		16.55		18.0	0.0
100	PI/2 BPSK	270	0		16.77			
100	QPSK	1	0		16.83		18.0	0.0
100	QPSK	1	137		16.76			
100	QPSK	1	271		16.74			
100	QPSK	135	0		16.72		18.0	0.0
100	QPSK	135	68		16.79			
100	QPSK	135	138		16.62			
100	QPSK	270	0		16.61		18.0	0.0
100	16QAM	1	1		16.90		18.0	0.0
100	64QAM	1	1		16.78		18.0	0.0
100	256QAM	1	1		16.61		18.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3750	3754.98		
90	PI/2 BPSK	1	1	16.73	16.76	16.90	18.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3750	3759.99		
80	PI/2 BPSK	1	1	16.85	16.85	16.85	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	16.92	16.77	16.88	18.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	16.86	16.90	16.76	18.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	16.73	16.88	16.87	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	16.74	16.80	16.81	18.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	16.87	16.82	16.80	18.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	16.90	16.73	16.92	18.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	16.91	16.89	16.92	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	16.76	16.75	16.73	18.0	0.0

Part27O_n78_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	0		21.39		22.5	0.0
100	PI/2 BPSK	1	137		21.37			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.29		22.5	0.0
100	PI/2 BPSK	135	68		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.36			
100	QPSK	1	0		21.31		22.5	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.35		22.5	0.0
100	QPSK	135	68		21.21			
100	QPSK	135	138		21.24			
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.34		22.5	0.0
100	64QAM	1	1		21.36		22.5	0.0
100	256QAM	1	1		21.27		22.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.35	21.13	21.25	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.36	21.36	21.17	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	21.34	21.14	21.37	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.36	21.32	21.29	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.37	21.34	21.34	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.34	21.31	21.38	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.33	21.32	21.32	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.37	21.16	21.34	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.38	21.30	21.37	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.24	21.33	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	0		22.52		24.0	0.0
100	PI/2 BPSK	1	137		22.64			
100	PI/2 BPSK	1	271		22.65			
100	PI/2 BPSK	135	0		22.77		24.0	0.0
100	PI/2 BPSK	135	68		22.80		24.0	0.0
100	PI/2 BPSK	135	138		22.72			
100	PI/2 BPSK	270	0		22.78			
100	QPSK	1	0		22.60		24.0	0.0
100	QPSK	1	137		22.71			
100	QPSK	1	271		22.62			
100	QPSK	135	0		22.60		24.0	0.0
100	QPSK	135	68		22.69			
100	QPSK	135	138		22.65			
100	QPSK	270	0		22.58		24.0	0.0
100	16QAM	1	1		22.80		24.0	0.0
100	64QAM	1	1		22.69		24.0	0.0
100	256QAM	1	1		21.66		23.0	1.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3749.02	3750	3754.98		
90	PI/2 BPSK	1	1	22.71	22.78	22.73	24.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3746.01	3750	3759.99		
80	PI/2 BPSK	1	1	22.65	22.77	22.63	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	22.75	22.73	22.79	24.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	22.81	22.69	22.63	24.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	22.66	22.74	22.64	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	22.81	22.76	22.78	24.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	22.78	22.79	22.75	24.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	22.75	22.72	22.62	24.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	22.70	22.65	22.70	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	22.73	22.67	22.79	24.0	0.0

Part27O_n78_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.39		22.5	0.0
100	PI/2 BPSK	1	137		21.37			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.29		22.5	0.0
100	PI/2 BPSK	135	69		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.21			
100	PI/2 BPSK	270	0		21.30			
100	QPSK	1	1		21.31		22.5	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.35		22.5	0.0
100	QPSK	135	69		21.21			
100	QPSK	135	138		21.24			
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.34		22.5	0.0
100	64QAM	1	1		21.36		22.5	0.0
100	256QAM	1	1		21.27		22.5	0.0
Channel				649668	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.35	21.13	21.25	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.01	3750	3755.99		
80	PI/2 BPSK	1	1	21.36	21.36	21.17	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	21.34	21.14	21.37	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	21.36	21.32	21.29	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	21.37	21.34	21.34	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	21.34	21.31	21.38	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	21.35	21.32	21.39	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	21.37	21.16	21.34	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.38	21.30	21.37	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.24	21.33	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.40		24.5	0.0
100	PI/2 BPSK	1	137		23.35			
100	PI/2 BPSK	1	271		23.38			
100	PI/2 BPSK	135	0		23.32		24.5	0.0
100	PI/2 BPSK	135	69		23.37		24.5	0.0
100	PI/2 BPSK	135	138		23.27		24.5	0.0
100	PI/2 BPSK	270	0		23.35			
100	QPSK	1	1		23.34		24.5	0.0
100	QPSK	1	137		23.38			
100	QPSK	1	271		23.34			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.32			
100	QPSK	135	138		23.25			
100	QPSK	270	0		23.31		24.5	0.0
100	16QAM	1	1		23.35		24.5	0.0
100	64QAM	1	1		23.39		24.5	0.0
100	256QAM	1	1		21.79		23.0	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.32	23.31	23.33	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.01	3750	3755.99		
80	PI/2 BPSK	1	1	23.37	23.31	23.36	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	23.32	23.25	23.33	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	23.39	23.33	23.37	24.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	23.27	23.22	23.31	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	23.31	23.29	23.35	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	23.32	23.28	23.33	24.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	23.34	23.38	23.23	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.35	23.33	23.39	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	23.34	23.27	23.34	24.5	0.0

Part27O_n78_Ant 10

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)	Ch Delta +0.5
Channel					650000				
Frequency (MHz)					3750				
100	PI/2 BPSK	1	1		21.46		22.5	0.0	0.08
100	PI/2 BPSK	1	137		21.39				
100	PI/2 BPSK	1	271		21.38				
100	PI/2 BPSK	135	0		21.38		22.5	0.0	0.00
100	PI/2 BPSK	135	69		21.43		22.5	0.0	0.00
100	PI/2 BPSK	135	138		21.21		22.5	0.0	0.18
100	PI/2 BPSK	270	0		21.39				
100	QPSK	1	1		21.36		22.5	0.0	0.03
100	QPSK	1	137		21.39				
100	QPSK	1	271		21.39				
100	QPSK	135	0		21.38		22.5	0.0	0.17
100	QPSK	135	69		21.34				
100	QPSK	135	138		21.21				
100	QPSK	270	0		21.26		22.5	0.0	0.00
100	16QAM	1	1		21.44		22.5	0.0	0.00
100	64QAM	1	1		21.40		22.5	0.0	0.00
100	256QAM	1	1		21.33		22.5	0.0	0.00
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3745.02	3750	3754.98			
90	PI/2 BPSK	1	1	21.42	21.37	21.44	22.5	0.0	0.07
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3744.01	3750	3755.99			
80	PI/2 BPSK	1	1	21.32	21.32	21.39	22.5	0.0	0.07
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3735	3750	3765			
70	PI/2 BPSK	1	1	21.43	21.38	21.35	22.5	0.0	0.08
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3730.02	3750	3769.98			
60	PI/2 BPSK	1	1	21.31	21.21	21.38	22.5	0.0	0.17
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3725.01	3750	3774.99			
50	PI/2 BPSK	1	1	21.40	21.38	21.36	22.5	0.0	0.04
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3720	3750	3780			
40	PI/2 BPSK	1	1	21.35	21.37	21.42	22.5	0.0	0.07
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3715.02	3750	3784.98			
30	PI/2 BPSK	1	1	21.41	21.30	21.42	22.5	0.0	0.12
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3710.01	3750	3789.99			
20	PI/2 BPSK	1	1	21.32	21.24	21.40	22.5	0.0	0.16
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3707.52	3750	3792.48			
15	PI/2 BPSK	1	1	21.25	21.40	21.44	22.5	0.0	0.19
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)	Ch Delta +0.5
Frequency (MHz)				3705	3750	3795			
10	PI/2 BPSK	1	1	21.32	21.42	21.38	22.5	0.0	0.10

Part27O_n78(HPUE)_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.49		24.5	0.0
100	PI/2 BPSK	1	137		23.47			
100	PI/2 BPSK	1	271		23.44			
100	PI/2 BPSK	135	0		23.23		24.5	0.0
100	PI/2 BPSK	135	69		23.35		24.5	0.0
100	PI/2 BPSK	135	138		23.33		24.5	0.0
100	PI/2 BPSK	270	0		23.25			
100	QPSK	1	1		23.31		24.5	0.0
100	QPSK	1	137		23.39			
100	QPSK	1	271		23.39			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.28			
100	QPSK	135	138		23.32			
100	QPSK	270	0		23.29		24.5	0.0
100	16QAM	1	1		23.41		24.5	0.0
100	64QAM	1	1		23.47		24.5	0.0
100	256QAM	1	1		21.85		23.0	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.35	23.33	23.44	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3744.01	3750	3755.99		
80	PI/2 BPSK	1	1	23.32	23.46	23.31	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	PI/2 BPSK	1	1	23.41	23.33	23.46	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3769.98		
60	PI/2 BPSK	1	1	23.36	23.46	23.47	24.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	23.46	23.41	23.36	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	23.37	23.29	23.25	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	23.44	23.38	23.37	24.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	23.41	23.41	23.35	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.45	23.37	23.32	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	23.41	23.45	23.48	24.5	0.0

UL MIMO Power for State 11

n41_Ant 1

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	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.65	21.27	21.04	22.5	0.0
100	PI/2 BPSK	1	137	21.04	21.02	20.95		
100	PI/2 BPSK	1	271	20.94	21.04	20.88		
100	PI/2 BPSK	135	0	20.95	21.03	20.95	22.5	0.0
100	PI/2 BPSK	135	69	21.04	21.25	20.98	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.00	20.97	22.5	0.0
100	PI/2 BPSK	270	0	21.02	21.22	21.00		
100	QPSK	1	1	20.99	21.15	21.05	22.5	0.0
100	QPSK	1	137	20.99	21.02	20.98		
100	QPSK	1	271	20.97	21.06	20.92		
100	QPSK	135	0	21.08	21.09	21.02	22.5	0.0
100	QPSK	135	69	21.04	21.04	21.01		
100	QPSK	135	138	20.93	21.01	20.97		
100	QPSK	270	0	21.00	21.02	21.01	22.5	0.0
100	16QAM	1	1	21.22	21.34	21.26	22.5	0.0
100	64QAM	1	1	21.22	21.25	21.22	22.5	0.0
100	256QAM	1	1	20.48	20.52	20.52	21.5	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.94	21.11	21.00	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.90	21.08	20.96	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.90	21.18	21.02	22.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2525	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.88	21.11	21.03	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.90	21.12	20.98	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.89	21.18	20.98	22.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.92	21.09	21.03	22.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.88	21.16	21.00	22.5	0.0

n41(HPUE)_Ant 1

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	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.98	23.18	22.99	24.5	0.0
100	PI/2 BPSK	1	137	22.91	23.01	22.91		
100	PI/2 BPSK	1	271	23.06	22.99	22.94		
100	PI/2 BPSK	135	0	22.96	23.01	22.99	24.5	0.0
100	PI/2 BPSK	135	69	23.06	23.09	23.01	24.5	0.0
100	PI/2 BPSK	135	138	22.97	22.99	22.91	24.5	0.0
100	PI/2 BPSK	270	0	23.02	23.06	23.00		
100	QPSK	1	1	23.11	23.17	23.16	24.5	0.0
100	QPSK	1	137	23.10	23.03	22.99		
100	QPSK	1	271	22.99	22.94	22.85		
100	QPSK	135	0	23.17	23.10	23.10	24.5	0.0
100	QPSK	135	69	23.05	23.02	23.07		
100	QPSK	135	138	22.98	22.96	22.91		
100	QPSK	270	0	23.10	23.04	23.10	24.5	0.0
100	16QAM	1	1	23.15	23.17	23.16	24.5	0.0
100	64QAM	1	1	22.80	22.72	22.81	23.5	1.0
100	256QAM	1	1	22.46	20.51	20.55	21.5	3.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	23.07	23.11	22.99	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	23.01	23.12	22.91	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	23.06	23.11	22.92	24.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2525	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.99	23.12	22.97	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	23.02	23.09	22.92	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	23.01	23.09	22.99	24.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	23.00	23.03	22.92	24.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	23.01	23.10	22.94	24.5	0.0

n41_Ant 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	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.73	13.64	13.63	15.0	0.0
100	PI/2 BPSK	1	137	13.51	13.59	13.57		
100	PI/2 BPSK	1	271	13.60	13.56	13.60		
100	PI/2 BPSK	135	0	13.47	13.70	13.52	15.0	0.0
100	PI/2 BPSK	135	69	13.71	13.82	13.60	15.0	0.0
100	PI/2 BPSK	135	138	13.45	13.64	13.56	15.0	0.0
100	PI/2 BPSK	270	0	13.58	13.80	13.58		
100	QPSK	1	1	13.63	13.62	13.68	15.0	0.0
100	QPSK	1	137	13.57	13.72	13.58		
100	QPSK	1	271	13.42	13.57	13.43		
100	QPSK	135	0	13.75	13.52	13.80	15.0	0.0
100	QPSK	135	69	13.62	13.75	13.78		
100	QPSK	135	138	13.45	13.79	13.61		
100	QPSK	270	0	13.45	13.65	13.79	15.0	0.0
100	16QAM	1	1	13.54	13.80	13.77	15.0	0.0
100	64QAM	1	1	13.51	13.70	13.65	15.0	0.0
100	256QAM	1	1	13.66	13.74	13.55	14.0	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	13.75	13.76	13.60	15.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	13.52	13.77	13.39	15.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	13.61	13.60	13.65	15.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2525	2592.99	2659.98		
60	PI/2 BPSK	1	1	13.67	13.82	13.59	15.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	13.54	13.56	13.60	15.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	13.71	13.80	13.61	15.0	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	13.47	13.65	13.67	15.0	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	13.79	13.62	13.59	15.0	0.0

n41(HPUE)_Ant 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	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	13.73	13.64	13.63	15.0	0.0
100	PI/2 BPSK	1	137	13.51	13.59	13.57		
100	PI/2 BPSK	1	271	13.60	13.56	13.60		
100	PI/2 BPSK	135	0	13.47	13.70	13.52	15.0	0.0
100	PI/2 BPSK	135	69	13.71	13.82	13.60	15.0	0.0
100	PI/2 BPSK	135	138	13.45	13.64	13.56	15.0	0.0
100	PI/2 BPSK	270	0	13.58	13.80	13.59		
100	QPSK	1	1	13.63	13.62	13.68	15.0	0.0
100	QPSK	1	137	13.57	13.72	13.58		
100	QPSK	1	271	13.42	13.57	13.43		
100	QPSK	135	0	13.75	13.52	13.80	15.0	0.0
100	QPSK	135	69	13.62	13.75	13.78		
100	QPSK	135	138	13.45	13.79	13.61		
100	QPSK	270	0	13.45	13.65	13.79	15.0	0.0
100	16QAM	1	1	13.54	13.80	13.77	15.0	0.0
100	64QAM	1	1	13.51	13.70	13.65	15.0	0.0
100	256QAM	1	1	13.66	13.74	13.55	14.0	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	13.75	13.76	13.60	15.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	13.52	13.77	13.39	15.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	13.61	13.60	13.65	15.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2525	2592.99	2659.98		
60	PI/2 BPSK	1	1	13.67	13.82	13.59	15.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	13.54	13.56	13.60	15.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	13.71	13.80	13.61	15.0	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	13.47	13.65	13.67	15.0	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	13.79	13.62	13.59	15.0	0.0

n41_Ant 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.58	14.24	14.23	16.0	0.0
100	PI/2 BPSK	1	137	14.44	14.24	14.20		
100	PI/2 BPSK	1	271	14.22	14.03	14.14		
100	PI/2 BPSK	135	0	14.40	14.19	14.15	16.0	0.0
100	PI/2 BPSK	135	69	14.54	14.23	14.20	16.0	0.0
100	PI/2 BPSK	135	138	14.40	14.19	14.13	16.0	0.0
100	PI/2 BPSK	270	0	14.51	14.21	14.17		
100	QPSK	1	1	14.47	14.03	14.07	16.0	0.0
100	QPSK	1	137	14.32	14.00	14.05		
100	QPSK	1	271	14.39	14.22	14.12		
100	QPSK	135	0	14.41	14.15	14.00	16.0	0.0
100	QPSK	135	69	14.24	14.09	14.08		
100	QPSK	135	138	14.40	14.26	14.13		
100	QPSK	270	0	14.32	14.01	14.25	16.0	0.0
100	16QAM	1	1	14.15	14.07	14.04	16.0	0.0
100	64QAM	1	1	14.26	14.24	14.11	16.0	0.0
100	256QAM	1	1	14.26	14.10	14.24	16.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	14.39	14.08	14.12	16.0	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2647.99		
80	PI/2 BPSK	1	1	14.49	14.34	14.22	16.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	14.51	14.10	14.01	16.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	14.39	14.11	14.24	16.0	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	14.53	14.11	14.23	16.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	14.51	14.33	14.10	16.0	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	14.38	14.14	14.16	16.0	0.0
Channel				501204	518598	536988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	14.45	14.24	14.10	16.0	0.0

n41(HPUE)_Ant 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.58	14.24	14.23	16.0	0.0
100	PI/2 BPSK	1	137	14.44	14.24	14.20		
100	PI/2 BPSK	1	271	14.22	14.03	14.14		
100	PI/2 BPSK	135	0	14.40	14.19	14.15	16.0	0.0
100	PI/2 BPSK	135	69	14.54	14.23	14.20	16.0	0.0
100	PI/2 BPSK	135	138	14.40	14.19	14.13	16.0	0.0
100	PI/2 BPSK	270	0	14.51	14.21	14.17		
100	QPSK	1	1	14.47	14.03	14.07	16.0	0.0
100	QPSK	1	137	14.32	14.00	14.05		
100	QPSK	1	271	14.39	14.22	14.12		
100	QPSK	135	0	14.41	14.15	14.00	16.0	0.0
100	QPSK	135	69	14.24	14.09	14.08		
100	QPSK	135	138	14.40	14.26	14.13		
100	QPSK	270	0	14.32	14.01	14.25	16.0	0.0
100	16QAM	1	1	14.15	14.07	14.04	16.0	0.0
100	64QAM	1	1	14.26	14.24	14.11	16.0	0.0
100	256QAM	1	1	14.26	14.10	14.24	14.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	14.39	14.08	14.12	16.0	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2647.99		
80	PI/2 BPSK	1	1	14.49	14.34	14.22	16.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	14.51	14.10	14.01	16.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	14.39	14.11	14.24	16.0	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	14.53	14.11	14.23	16.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	14.51	14.33	14.10	16.0	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	14.38	14.14	14.16	16.0	0.0
Channel				501204	518598	536988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	14.45	14.24	14.10	16.0	0.0

n41_Ant 8

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	20.88	20.62	20.53	22.5	0.0
100	PI/2 BPSK	1	137	20.86	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53	22.5	0.0
100	PI/2 BPSK	135	69	20.86	20.60	20.55	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54	22.5	0.0
100	PI/2 BPSK	270	0	20.85	20.52	20.54		
100	QPSK	1	1	20.79	20.56	20.51	22.5	0.0
100	QPSK	1	137	20.81	20.50	20.52		
100	QPSK	1	271	20.70	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55	22.5	0.0
100	QPSK	135	69	20.83	20.50	20.53		
100	QPSK	135	138	20.74	20.54	20.56		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.79	20.62	20.52	22.5	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2647.99		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.79	20.67	20.76	22.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.79	20.69	20.83	22.5	0.0
Channel				501204	518598	536988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 8

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	22.90	22.57	22.58	24.5	0.0
100	PI/2 BPSK	1	137	22.89	22.57	22.51		
100	PI/2 BPSK	1	271	22.75	22.60	22.55		
100	PI/2 BPSK	135	0	22.79	22.55	22.50	24.5	0.0
100	PI/2 BPSK	135	69	22.88	22.60	22.55	24.5	0.0
100	PI/2 BPSK	135	138	22.78	22.52	22.52	24.5	0.0
100	PI/2 BPSK	270	0	22.83	22.57	22.53		
100	QPSK	1	1	22.87	22.50	22.56	24.5	0.0
100	QPSK	1	137	22.87	22.56	22.54		
100	QPSK	1	271	22.78	22.60	22.50		
100	QPSK	135	0	22.80	22.57	22.55	24.5	0.0
100	QPSK	135	69	22.88	22.58	22.52		
100	QPSK	135	138	22.80	22.53	22.54		
100	QPSK	270	0	22.80	22.52	22.57	24.5	0.0
100	16QAM	1	1	22.77	22.52	22.53	24.5	0.0
100	64QAM	1	1	22.71	22.56	22.52	24.5	0.0
100	256QAM	1	1	21.42	21.06	21.07	23.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.85	22.73	22.88	24.5	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2538.02	2592.99	2647.99		
80	PI/2 BPSK	1	1	22.82	22.68	22.86	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.86	22.69	22.87	24.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.87	22.73	22.82	24.5	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.89	22.71	22.82	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.86	22.75	22.79	24.5	0.0
Channel				502200	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.86	22.74	22.88	24.5	0.0
Channel				501204	518598	536988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.89	22.68	22.86	24.5	0.0

Part27O_n77_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.09	13.72	13.52	15.0	0.0
100	PI/2 BPSK	1	137	13.94	13.52	13.32		
100	PI/2 BPSK	1	271	13.65	13.33	13.27		
100	PI/2 BPSK	135	0	13.79	13.61	13.46	15.0	0.0
100	PI/2 BPSK	135	69	14.07	13.68	13.50	15.0	0.0
100	PI/2 BPSK	135	138	13.62	13.57	13.33	15.0	0.0
100	PI/2 BPSK	270	0	14.05	13.67	13.45		
100	QPSK	1	1	14.02	13.62	13.59	15.0	0.0
100	QPSK	1	137	14.05	13.59	13.15		
100	QPSK	1	271	13.93	13.39	13.30		
100	QPSK	135	0	13.79	13.49	13.27	15.0	0.0
100	QPSK	135	69	13.84	13.71	13.33		
100	QPSK	135	138	13.62	13.44	13.23		
100	QPSK	270	0	13.97	13.62	13.12	15.0	0.0
100	16QAM	1	1	13.87	13.64	13.75	15.0	0.0
100	64QAM	1	1	14.06	13.75	13.54	15.0	0.0
100	256QAM	1	1	14.02	13.76	13.45	15.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	14.00	13.62	13.48	15.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	14.00	13.63	13.46	15.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	13.98	13.78	13.67	15.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3840	3949.98		
60	PI/2 BPSK	1	1	13.91	13.63	13.53	15.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3840	3954.99		
50	PI/2 BPSK	1	1	13.99	13.65	13.44	15.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3960		
40	PI/2 BPSK	1	1	13.94	13.68	13.64	15.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3695.02	3840	3984.98		
30	PI/2 BPSK	1	1	13.97	13.74	13.55	15.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690.01	3840	3989.99		
20	PI/2 BPSK	1	1	14.02	13.57	13.60	15.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3687.52	3840	3992.48		
15	PI/2 BPSK	1	1	13.93	13.88	13.55	15.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	14.03	13.60	13.69	15.0	0.0

Part27O_n77(HPUE)_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.09	13.72	13.52	15.0	0.0
100	PI/2 BPSK	1	137	13.94	13.52	13.32		
100	PI/2 BPSK	1	271	13.65	13.33	13.27		
100	PI/2 BPSK	135	0	13.79	13.61	13.46	15.0	0.0
100	PI/2 BPSK	135	69	14.07	13.68	13.50	15.0	0.0
100	PI/2 BPSK	135	138	13.62	13.57	13.33	15.0	0.0
100	PI/2 BPSK	270	0	14.05	13.67	13.45		
100	QPSK	1	1	14.02	13.62	13.59	15.0	0.0
100	QPSK	1	137	14.05	13.59	13.15		
100	QPSK	1	271	13.93	13.39	13.30		
100	QPSK	135	0	13.79	13.49	13.27	15.0	0.0
100	QPSK	135	69	13.84	13.71	13.33		
100	QPSK	135	138	13.62	13.44	13.23		
100	QPSK	270	0	13.97	13.62	13.12	15.0	0.0
100	16QAM	1	1	13.87	13.64	13.75	15.0	0.0
100	64QAM	1	1	14.06	13.75	13.54	15.0	0.0
100	256QAM	1	1	14.02	13.76	13.45	15.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	14.00	13.62	13.48	15.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	14.00	13.63	13.46	15.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	13.98	13.78	13.67	15.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3840	3949.98		
60	PI/2 BPSK	1	1	13.91	13.63	13.53	15.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3840	3954.99		
50	PI/2 BPSK	1	1	13.99	13.65	13.44	15.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3960		
40	PI/2 BPSK	1	1	13.94	13.68	13.64	15.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3695.02	3840	3984.98		
30	PI/2 BPSK	1	1	13.97	13.74	13.55	15.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690.01	3840	3989.99		
20	PI/2 BPSK	1	1	14.02	13.57	13.60	15.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3687.52	3840	3992.48		
15	PI/2 BPSK	1	1	13.93	13.88	13.55	15.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	14.03	13.60	13.69	15.0	0.0

Part27O_n77_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.99	19.93	19.90	21.0	0.0
100	PI/2 BPSK	1	137	19.96	19.81	19.83		
100	PI/2 BPSK	1	271	19.91	19.82	19.82		
100	PI/2 BPSK	135	0	19.87	19.81	19.87	21.0	0.0
100	PI/2 BPSK	135	69	19.97	19.92	19.88	21.0	0.0
100	PI/2 BPSK	135	138	19.78	19.84	19.85	21.0	0.0
100	PI/2 BPSK	270	0	19.95	19.90	19.85		
100	QPSK	1	1	19.88	19.71	19.78	21.0	0.0
100	QPSK	1	137	19.90	19.90	19.97		
100	QPSK	1	271	19.93	19.69	19.82		
100	QPSK	135	0	19.91	19.84	19.97	21.0	0.0
100	QPSK	135	69	19.95	19.69	19.71		
100	QPSK	135	138	19.89	19.87	19.75		
100	QPSK	270	0	19.87	19.88	19.92	21.0	0.0
100	16QAM	1	1	19.63	19.92	19.69	21.0	0.0
100	64QAM	1	1	19.89	19.86	19.90	21.0	0.0
100	256QAM	1	1	19.90	19.95	19.82	21.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.83	19.86	19.65	21.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.94	19.97	19.68	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	19.98	19.87	19.62	21.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.86	19.92	19.87	21.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.88	19.85	19.75	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3960		
40	PI/2 BPSK	1	1	19.80	19.83	19.77	21.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3695.02	3840	3984.98		
30	PI/2 BPSK	1	1	19.78	19.68	19.73	21.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690.01	3840	3989.99		
20	PI/2 BPSK	1	1	19.76	19.75	19.91	21.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3687.52	3840	3992.48		
15	PI/2 BPSK	1	1	19.76	19.66	19.84	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.84	19.95	19.91	21.0	0.0

Part27O_n77(HPUE)_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	19.99	19.93	19.90	21.0	0.0
100	PI/2 BPSK	1	137	19.96	19.81	19.83		
100	PI/2 BPSK	1	271	19.91	19.82	19.82		
100	PI/2 BPSK	135	0	19.87	19.81	19.87	21.0	0.0
100	PI/2 BPSK	135	69	19.97	19.92	19.88	21.0	0.0
100	PI/2 BPSK	135	138	19.78	19.84	19.85	21.0	0.0
100	PI/2 BPSK	270	0	19.95	19.90	19.85		
100	QPSK	1	1	19.88	19.71	19.78	21.0	0.0
100	QPSK	1	137	19.90	19.90	19.97		
100	QPSK	1	271	19.93	19.69	19.82		
100	QPSK	135	0	19.91	19.84	19.97	21.0	0.0
100	QPSK	135	69	19.95	19.69	19.71		
100	QPSK	135	138	19.89	19.87	19.75		
100	QPSK	270	0	19.87	19.88	19.92	21.0	0.0
100	16QAM	1	1	19.63	19.92	19.69	21.0	0.0
100	64QAM	1	1	19.89	19.86	19.90	21.0	0.0
100	256QAM	1	1	19.90	19.95	19.82	21.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	19.83	19.86	19.65	21.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	PI/2 BPSK	1	1	19.94	19.97	19.68	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	19.98	19.87	19.62	21.0	0.0
Channel				648668	656000	663332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.86	19.92	19.87	21.0	0.0
Channel				648334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3840	3954.99		
50	PI/2 BPSK	1	1	19.88	19.85	19.75	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3960		
40	PI/2 BPSK	1	1	19.80	19.83	19.77	21.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3695.02	3840	3984.98		
30	PI/2 BPSK	1	1	19.78	19.68	19.73	21.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690.01	3840	3989.99		
20	PI/2 BPSK	1	1	19.76	19.75	19.91	21.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3687.52	3840	3992.48		
15	PI/2 BPSK	1	1	19.76	19.66	19.84	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.84	19.95	19.91	21.0	0.0

Part27O_n77_Ant 9

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				650000	656000	662000		
Frequency [MHz]				3750	3840	3930		
100	PI/2 BPSK	1	1	21.43	21.34	21.35	22.5	0.0
100	PI/2 BPSK	1	137	21.41	21.32	21.31		
100	PI/2 BPSK	1	271	21.34	21.14	21.25		
100	PI/2 BPSK	135	0	21.29	21.19	21.24	22.5	0.0
100	PI/2 BPSK	135	69	21.37	21.32	21.29	22.5	0.0
100	PI/2 BPSK	135	138	21.30	21.27	21.22	22.5	0.0
100	PI/2 BPSK	270	0	21.31	21.30	21.27		
100	QPSK	1	1	21.22	21.19	21.26	22.5	0.0
100	QPSK	1	137	21.36	21.27	21.31		
100	QPSK	1	271	21.42	21.15	21.30		
100	QPSK	135	0	21.31	21.16	21.23	22.5	0.0
100	QPSK	135	69	21.36	21.21	21.27		
100	QPSK	135	138	21.30	21.14	21.29		
100	QPSK	270	0	21.31	21.13	21.24	22.5	0.0
100	16QAM	1	1	21.03	21.30	21.23	22.5	0.0
100	64QAM	1	1	21.39	21.29	21.26	22.5	0.0
100	256QAM	1	1	21.36	21.29	21.25	22.5	0.0
Channel				649668	656000	662332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	21.34	21.22	21.28	22.5	0.0
Channel				649334	656000	662666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3743.01	3840	3936.99		
80	PI/2 BPSK	1	1	21.38	21.31	21.29	22.5	0.0
Channel				649000	656000	663000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3735	3840	3945		
70	PI/2 BPSK	1	1	21.40	21.30	21.22	22.5	0.0
Channel				648668	656000	663332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	21.40	21.29	21.39	22.5	0.0
Channel				648334	656000	663666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	21.39	21.30	21.40	22.5	0.0
Channel				648000	656000	664000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3720	3840	3960		
40	PI/2 BPSK	1	1	21.39	21.29	21.39	22.5	0.0
Channel				647668	656000	664332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	21.31	21.30	21.41	22.5	0.0
Channel				647334	656000	664666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	21.38	21.28	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	21.33	21.28	21.41	22.5	0.0
Channel				647000	656000	665000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3705	3840	3975		
10	PI/2 BPSK	1	1	21.38	21.31	21.42	22.5	0.0

Part27O_n77(HPUE)_Ant 9

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				650000	656000	662000		
Frequency [MHz]				3750	3840	3930		
100	PI/2 BPSK	1	1	23.41	23.33	23.34	24.5	0.0
100	PI/2 BPSK	1	137	23.40	23.29	23.33		
100	PI/2 BPSK	1	271	23.34	23.20	23.28		
100	PI/2 BPSK	135	0	23.24	23.26	23.29	24.5	0.0
100	PI/2 BPSK	135	69	23.36	23.31	23.32	24.5	0.0
100	PI/2 BPSK	135	138	23.30	23.18	23.29	24.5	0.0
100	PI/2 BPSK	270	0	23.34	23.30	23.29		
100	QPSK	1	1	23.22	23.17	23.32	24.5	0.0
100	QPSK	1	137	23.32	23.28	23.35		
100	QPSK	1	271	23.33	23.21	23.30		
100	QPSK	135	0	23.24	23.16	23.25	24.5	0.0
100	QPSK	135	69	23.27	23.25	23.27		
100	QPSK	135	138	23.31	23.18	23.29		
100	QPSK	270	0	23.23	23.16	23.26	24.5	0.0
100	16QAM	1	1	23.31	23.25	23.17	24.5	0.0
100	64QAM	1	1	23.38	23.26	23.28	24.5	0.0
100	256QAM	1	1	21.96	21.87	21.81	23.0	1.5
Channel				649668	656000	662332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	23.38	23.27	23.29	24.5	0.0
Channel				649334	656000	662666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3743.01	3840	3936.99		
80	PI/2 BPSK	1	1	23.37	23.31	23.20	24.5	0.0
Channel				649000	656000	663000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3735	3840	3945		
70	PI/2 BPSK	1	1	23.36	23.28	23.29	24.5	0.0
Channel				648668	656000	663332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	23.33	23.31	23.27	24.5	0.0
Channel				648334	656000	663666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	23.33	23.24	23.20	24.5	0.0
Channel				648000	656000	664000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3720	3840	3960		
40	PI/2 BPSK	1	1	23.36	23.25	23.29	24.5	0.0
Channel				647668	656000	664332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	23.31	23.25	23.28	24.5	0.0
Channel				647334	656000	664666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	23.37	23.29	23.24	24.5	0.0
Channel				647168	656000	664832	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	23.31	23.34	23.30	24.5	0.0
Channel				647000	656000	665000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3705	3840	3975		
10	PI/2 BPSK	1	1	23.40	23.31	23.29	24.5	0.0

Part27O_n77_Ant 10

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				650000	656000	662000		
Frequency [MHz]				3750	3840	3930		
100	PI/2 BPSK	1	1	21.49	21.14	21.21	22.5	0.0
100	PI/2 BPSK	1	137	21.25	21.05	20.71		
100	PI/2 BPSK	1	271	21.22	20.88	20.82		
100	PI/2 BPSK	135	0	21.36	21.05	20.86	22.5	0.0
100	PI/2 BPSK	135	69	21.42	21.08	20.90	22.5	0.0
100	PI/2 BPSK	135	138	21.16	20.97	20.57	22.5	0.0
100	PI/2 BPSK	270	0	21.37	21.05	20.78		
100	QPSK	1	1	21.45	21.10	20.92	22.5	0.0
100	QPSK	1	137	21.27	21.02	20.69		
100	QPSK	1	271	21.26	20.86	20.77		
100	QPSK	135	0	21.36	21.02	20.78	22.5	0.0
100	QPSK	135	69	21.37	21.04	20.81		
100	QPSK	135	138	21.12	20.99	20.72		
100	QPSK	270	0	21.35	20.98	20.68	22.5	0.0
100	16QAM	1	1	21.45	21.13	20.98	22.5	0.0
100	64QAM	1	1	21.47	21.10	20.95	22.5	0.0
100	256QAM	1	1	21.35	21.06	20.88	22.5	0.0
Channel				649668	656000	662332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	21.13	21.36	21.42	22.5	0.0
Channel				649334	656000	662666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3743.01	3840	3936.99		
80	PI/2 BPSK	1	1	21.14	21.36	21.41	22.5	0.0
Channel				649000	656000	663000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3735	3840	3945		
70	PI/2 BPSK	1	1	21.13	21.42	21.44	22.5	0.0
Channel				648668	656000	663332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	21.12	21.40	21.40	22.5	0.0
Channel				648334	656000	663666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	21.19	21.38	21.44	22.5	0.0
Channel				648000	656000	664000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3720	3840	3960		
40	PI/2 BPSK	1	1	21.14	21.33	21.45	22.5	0.0
Channel				647668	656000	664332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	21.12	21.33	21.40	22.5	0.0
Channel				647334	656000	664666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	21.14	21.37	21.45	22.5	0.0
Channel				647168	656000	664832	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	21.19	21.40	21.42	22.5	0.0
Channel				647000	656000	665000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3705	3840	3975		
10	PI/2 BPSK	1	1	21.19	21.43	21.37	22.5	0.0

Part27O_n77(HPUE)_Ant 10

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				650000	656000	662000		
Frequency [MHz]				3750	3840	3930		
100	PI/2 BPSK	1	1	23.52	23.13	23.05	24.5	0.0
100	PI/2 BPSK	1	137	23.30	22.98	22.82		
100	PI/2 BPSK	1	271	23.23	22.81	22.70		
100	PI/2 BPSK	135	0	23.43	22.88	22.86	24.5	0.0
100	PI/2 BPSK	135	69	23.48	23.07	22.86	24.5	0.0
100	PI/2 BPSK	135	138	23.33	22.98	22.73	24.5	0.0
100	PI/2 BPSK	270	0	23.40	23.04	22.85		
100	QPSK	1	1	23.46	23.10	23.00	24.5	0.0
100	QPSK	1	137	23.27	22.92	22.78		
100	QPSK	1	271	23.32	22.84	22.68		
100	QPSK	135	0	23.40	22.87	22.79	24.5	0.0
100	QPSK	135	69	23.44	23.02	22.82		
100	QPSK	135	138	23.36	22.80	22.68		
100	QPSK	270	0	23.39	22.94	22.81	24.5	0.0
100	16QAM	1	1	23.46	23.10	23.01	24.5	0.0
100	64QAM	1	1	23.44	23.08	23.01	24.5	0.0
100	256QAM	1	1	21.98	21.65	21.54	23.0	1.5
Channel				649668	656000	662332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3745.02	3840	3934.98		
90	PI/2 BPSK	1	1	23.12	23.39	23.45	24.5	0.0
Channel				649334	656000	662666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3743.01	3840	3936.99		
80	PI/2 BPSK	1	1	23.21	23.41	23.46	24.5	0.0
Channel				649000	656000	663000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3735	3840	3945		
70	PI/2 BPSK	1	1	23.19	23.35	23.39	24.5	0.0
Channel				648668	656000	663332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	23.13	23.39	23.48	24.5	0.0
Channel				648334	656000	663666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3725.01	3840	3954.99		
50	PI/2 BPSK	1	1	23.18	23.43	23.46	24.5	0.0
Channel				648000	656000	664000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3720	3840	3960		
40	PI/2 BPSK	1	1	23.20	23.36	23.50	24.5	0.0
Channel				647668	656000	664332	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	23.17	23.41	23.45	24.5	0.0
Channel				647334	656000	664666	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3710.01	3840	3969.99		
20	PI/2 BPSK	1	1	23.17	23.44	23.50	24.5	0.0
Channel				647168	656000	664832	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	23.14	23.45	23.45	24.5	0.0
Channel				647000	656000	665000	Tune-up limit [dBm]	MPR [dB]
Frequency [MHz]				3705	3840	3975		
10	PI/2 BPSK	1	1	23.16	23.42	23.50	24.5	0.0

Part27O_n78_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.88		15.0	0.0
100	PI/2 BPSK	1	137		13.70			
100	PI/2 BPSK	1	271		13.68			
100	PI/2 BPSK	135	0		13.70		15.0	0.0
100	PI/2 BPSK	135	69		13.82		15.0	0.0
100	PI/2 BPSK	135	138		13.68		15.0	0.0
100	PI/2 BPSK	270	0		13.73			
100	QPSK	1	1		13.67		15.0	0.0
100	QPSK	1	137		13.86			
100	QPSK	1	271		13.84			
100	QPSK	135	0		13.84		15.0	0.0
100	QPSK	135	69		13.72			
100	QPSK	135	138		13.80			
100	QPSK	270	0		13.71		15.0	0.0
100	16QAM	1	1		13.79		15.0	0.0
100	64QAM	1	1		13.78		15.0	0.0
100	256QAM	1	1		13.73		15.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.84	13.75	13.77	15.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.84	13.69	13.84	15.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3765		
70	PI/2 BPSK	1	1	13.73	13.70	13.74	15.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.02	3750	3765.98		
60	PI/2 BPSK	1	1	13.81	13.73	13.70	15.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	13.71	13.69	13.77	15.0	0.0
Channel				648020	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	13.85	13.76	13.69	15.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	13.77	13.85	13.82	15.0	0.0
Channel				647334	650000	652665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.87	13.87	13.80	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	13.82	13.77	13.85	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	13.82	13.74	13.74	15.0	0.0

Part27O_n78(HPUE)_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.68		15.0	0.0
100	PI/2 BPSK	1	137		13.70			
100	PI/2 BPSK	1	271		13.68			
100	PI/2 BPSK	135	0		13.70		15.0	0.0
100	PI/2 BPSK	135	69		13.82		15.0	0.0
100	PI/2 BPSK	135	138		13.68		15.0	0.0
100	PI/2 BPSK	270	0		13.73			
100	QPSK	1	1		13.67		15.0	0.0
100	QPSK	1	137		13.86			
100	QPSK	1	271		13.84			
100	QPSK	135	0		13.84		15.0	0.0
100	QPSK	135	69		13.72			
100	QPSK	135	138		13.60			
100	QPSK	270	0		13.71		15.0	0.0
100	16QAM	1	1		13.79		15.0	0.0
100	64QAM	1	1		13.78		15.0	0.0
100	256QAM	1	1		13.73		15.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.84	13.75	13.77	15.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.84	13.69	13.84	15.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3765		
70	PI/2 BPSK	1	1	13.73	13.70	13.74	15.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.02	3750	3765.98		
60	PI/2 BPSK	1	1	13.81	13.73	13.70	15.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	13.71	13.69	13.77	15.0	0.0
Channel				648020	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	13.85	13.76	13.69	15.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	13.77	13.85	13.82	15.0	0.0
Channel				647334	650000	652665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.87	13.87	13.80	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	13.82	13.77	13.85	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	13.82	13.74	13.74	15.0	0.0

Part27O_n78_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.86		21.0	0.0
100	PI/2 BPSK	1	137		19.84			
100	PI/2 BPSK	1	271		19.77			
100	PI/2 BPSK	135	0		19.60		21.0	0.0
100	PI/2 BPSK	135	69		19.84		21.0	0.0
100	PI/2 BPSK	135	138		19.69		21.0	0.0
100	PI/2 BPSK	270	0		19.82			
100	QPSK	1	1		19.60		21.0	0.0
100	QPSK	1	137		19.72			
100	QPSK	1	271		19.77			
100	QPSK	135	0		19.81		21.0	0.0
100	QPSK	135	69		19.49			
100	QPSK	135	138		19.58			
100	QPSK	270	0		19.58		21.0	0.0
100	16QAM	1	1		19.78		21.0	0.0
100	64QAM	1	1		19.79		21.0	0.0
100	256QAM	1	1		19.67		21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.81	19.82	19.79	21.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.76	19.70	19.75	21.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3765		
70	PI/2 BPSK	1	1	19.85	19.79	19.84	21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.02	3750	3765.98		
60	PI/2 BPSK	1	1	19.76	19.68	19.82	21.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.83	19.78	19.79	21.0	0.0
Channel				648020	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.66	19.66	19.81	21.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	19.79	19.71	19.72	21.0	0.0
Channel				647334	650000	652665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.70	19.69	19.78	21.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	19.76	19.81	19.76	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	19.78	19.73	19.77	21.0	0.0

Part27O_n78(HPUE)_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.86		21.0	0.0
100	PI/2 BPSK	1	137		19.84			
100	PI/2 BPSK	1	271		19.77			
100	PI/2 BPSK	135	0		19.60		21.0	0.0
100	PI/2 BPSK	135	69		19.84		21.0	0.0
100	PI/2 BPSK	135	138		19.69		21.0	0.0
100	PI/2 BPSK	270	0		19.82			
100	QPSK	1	1		19.60		21.0	0.0
100	QPSK	1	137		19.72			
100	QPSK	1	271		19.77			
100	QPSK	135	0		19.81		21.0	0.0
100	QPSK	135	69		19.49			
100	QPSK	135	138		19.58			
100	QPSK	270	0		19.58		21.0	0.0
100	16QAM	1	1		19.78		21.0	0.0
100	64QAM	1	1		19.79		21.0	0.0
100	256QAM	1	1		19.67		21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.02	3750	3754.98		
90	PI/2 BPSK	1	1	19.81	19.82	19.79	21.0	0.0
Channel				648334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3240.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.76	19.70	19.75	21.0	0.0
Channel				648000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3765		
70	PI/2 BPSK	1	1	19.85	19.79	19.84	21.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.02	3750	3765.98		
60	PI/2 BPSK	1	1	19.76	19.68	19.82	21.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.83	19.78	19.79	21.0	0.0
Channel				648020	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	19.66	19.66	19.81	21.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	19.79	19.71	19.72	21.0	0.0
Channel				647334	650000	652665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.01	3750	3789.99		
20	PI/2 BPSK	1	1	19.70	19.69	19.78	21.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	19.76	19.81	19.76	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	19.78	19.73	19.77	21.0	0.0

Part27O_n78_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.39		22.5	0.0
100	PI/2 BPSK	1	137		21.37			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.29		22.5	0.0
100	PI/2 BPSK	135	69		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.35			
100	QPSK	1	1		21.31		22.5	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.35		22.5	0.0
100	QPSK	135	69		21.21			
100	QPSK	135	138		21.24			
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.34		22.5	0.0
100	64QAM	1	1		21.36		22.5	0.0
100	256QAM	1	1		21.27		22.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.35	21.13	21.25	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.36	21.38	21.17	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	21.34	21.14	21.37	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	21.36	21.32	21.29	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	21.37	21.34	21.34	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
40	PI/2 BPSK	1	1	21.34	21.31	21.38	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
30	PI/2 BPSK	1	1	21.35	21.32	21.30	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
20	PI/2 BPSK	1	1	21.37	21.18	21.34	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3357.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.38	21.39	21.37	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3355	3750	3795		
10	PI/2 BPSK	1	1	21.24	21.33	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.40		24.5	0.0
100	PI/2 BPSK	1	137		23.35			
100	PI/2 BPSK	1	271		23.38			
100	PI/2 BPSK	135	0		23.32		24.5	0.0
100	PI/2 BPSK	135	69		23.37		24.5	0.0
100	PI/2 BPSK	135	138		23.27		24.5	0.0
100	PI/2 BPSK	270	0		23.35			
100	QPSK	1	1		23.34		24.5	0.0
100	QPSK	1	137		23.38			
100	QPSK	1	271		23.34			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.32			
100	QPSK	135	138		23.25			
100	QPSK	270	0		23.31		24.5	0.0
100	16QAM	1	1		23.35		24.5	0.0
100	64QAM	1	1		23.39		24.5	0.0
100	256QAM	1	1		21.79		23.0	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.32	23.31	23.33	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	23.37	23.31	23.36	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	23.32	23.25	23.33	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	23.39	23.33	23.37	24.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	23.27	23.22	23.31	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
40	PI/2 BPSK	1	1	23.31	23.29	23.35	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
30	PI/2 BPSK	1	1	23.32	23.28	23.35	24.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
20	PI/2 BPSK	1	1	23.34	23.38	23.28	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3357.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.35	23.33	23.39	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3355	3750	3795		
10	PI/2 BPSK	1	1	23.34	23.27	23.34	24.5	0.0

Part27O_n78_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.46		22.5	0.0
100	PI/2 BPSK	1	137		21.39			
100	PI/2 BPSK	1	271		21.38			
100	PI/2 BPSK	135	0		21.38		22.5	0.0
100	PI/2 BPSK	135	69		21.43		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.39			
100	QPSK	1	1		21.36		22.5	0.0
100	QPSK	1	137		21.39			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.38		22.5	0.0
100	QPSK	135	69		21.34			
100	QPSK	135	138		21.21			
100	QPSK	270	0		21.26		22.5	0.0
100	16QAM	1	1		21.44		22.5	0.0
100	64QAM	1	1		21.40		22.5	0.0
100	256QAM	1	1		21.33		22.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.42	21.37	21.44	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.32	21.32	21.39	22.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	21.43	21.38	21.35	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	21.31	21.21	21.38	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	21.40	21.38	21.36	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
40	PI/2 BPSK	1	1	21.35	21.37	21.42	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
30	PI/2 BPSK	1	1	21.41	21.30	21.42	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
20	PI/2 BPSK	1	1	21.32	21.24	21.40	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3357.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.25	21.40	21.44	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3355	3750	3795		
10	PI/2 BPSK	1	1	21.32	21.42	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.49		24.5	0.0
100	PI/2 BPSK	1	137		23.47			
100	PI/2 BPSK	1	271		23.44			
100	PI/2 BPSK	135	0		23.23		24.5	0.0
100	PI/2 BPSK	135	69		23.35		24.5	0.0
100	PI/2 BPSK	135	138		23.33		24.5	0.0
100	PI/2 BPSK	270	0		23.25			
100	QPSK	1	1		23.31		24.5	0.0
100	QPSK	1	137		23.39			
100	QPSK	1	271		23.39			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.28			
100	QPSK	135	138		23.32			
100	QPSK	270	0		23.29		24.5	0.0
100	16QAM	1	1		23.41		24.5	0.0
100	64QAM	1	1		23.47		24.5	0.0
100	256QAM	1	1		21.83		23.0	1.5
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.35	23.33	23.44	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	23.32	23.46	23.31	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	23.41	23.33	23.46	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	23.36	23.46	23.47	24.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	23.46	23.41	23.36	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
40	PI/2 BPSK	1	1	23.37	23.29	23.25	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
30	PI/2 BPSK	1	1	23.44	23.38	23.37	24.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
20	PI/2 BPSK	1	1	23.41	23.41	23.35	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3357.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.46	23.37	23.32	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3355	3750	3795		
10	PI/2 BPSK	1	1	23.41	23.45	23.48	24.5	0.0

UL MIMO Power for State 12

n41_Ant 1

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	20.42	20.74	20.52	22.0	0.0
100	PI/2 BPSK	1	137	20.50	20.63	20.32		
100	PI/2 BPSK	1	271	20.58	20.46	20.41		
100	PI/2 BPSK	135	0	20.52	20.70	20.50	22.0	0.0
100	PI/2 BPSK	135	69	20.52	20.72	20.54	22.0	0.0
100	PI/2 BPSK	135	138	20.56	20.44	20.51	22.0	0.0
100	PI/2 BPSK	270	0	20.59	20.70	20.60		
100	QPSK	1	1	20.54	20.72	20.57	22.0	0.0
100	QPSK	1	137	20.38	20.57	20.50		
100	QPSK	1	271	20.57	20.51	20.51		
100	QPSK	135	0	20.65	20.41	20.38	22.0	0.0
100	QPSK	135	69	20.40	20.47	20.44		
100	QPSK	135	138	20.55	20.68	20.21		
100	QPSK	270	0	20.43	20.68	20.51	22.0	0.0
100	16QAM	1	1	20.70	20.73	20.64	22.0	0.0
100	64QAM	1	1	20.62	20.66	20.67	22.0	0.0
100	256QAM	1	1	20.45	20.36	20.29	21.5	0.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.44	20.63	20.39	22.0	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.38	20.60	20.44	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.44	20.64	20.55	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.60	20.66	20.60	22.0	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.49	20.58	20.57	22.0	0.0
Channel				503202	518598	533988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.50	20.72	20.45	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.40	20.51	20.57	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.47	20.70	20.45	22.0	0.0

n41(HPUE)_Ant 1

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	20.42	20.74	20.52	22.0	0.0
100	PI/2 BPSK	1	137	20.50	20.63	20.32		
100	PI/2 BPSK	1	271	20.58	20.46	20.41		
100	PI/2 BPSK	135	0	20.52	20.70	20.50	22.0	0.0
100	PI/2 BPSK	135	69	20.52	20.72	20.54	22.0	0.0
100	PI/2 BPSK	135	138	20.56	20.44	20.51	22.0	0.0
100	PI/2 BPSK	270	0	20.59	20.70	20.60		
100	QPSK	1	1	20.54	20.72	20.57	22.0	0.0
100	QPSK	1	137	20.38	20.57	20.50		
100	QPSK	1	271	20.57	20.51	20.51		
100	QPSK	135	0	20.65	20.41	20.38	22.0	0.0
100	QPSK	135	69	20.40	20.47	20.44		
100	QPSK	135	138	20.55	20.68	20.21		
100	QPSK	270	0	20.43	20.68	20.51	22.0	0.0
100	16QAM	1	1	20.70	20.73	20.64	22.0	0.0
100	64QAM	1	1	20.62	20.66	20.67	22.0	0.0
100	256QAM	1	1	20.45	20.36	20.29	21.5	0.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.44	20.63	20.39	22.0	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.38	20.60	20.44	22.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.44	20.64	20.55	22.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.60	20.66	20.60	22.0	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.49	20.58	20.57	22.0	0.0
Channel				503202	518598	533988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.50	20.72	20.45	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.40	20.51	20.57	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.47	20.70	20.45	22.0	0.0

n41_Ant 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	18.40	18.72	18.43	20.0	0.0
100	PI/2 BPSK	1	137	18.25	18.62	18.28		
100	PI/2 BPSK	1	271	18.27	18.39	18.32		
100	PI/2 BPSK	135	0	18.11	18.47	18.17	20.0	0.0
100	PI/2 BPSK	135	69	18.40	18.70	18.35	20.0	0.0
100	PI/2 BPSK	135	138	18.28	18.67	18.25		
100	PI/2 BPSK	270	0	18.41	18.43	18.22		
100	QPSK	1	1	18.21	18.31	18.35	20.0	0.0
100	QPSK	1	137	18.17	18.34	18.30		
100	QPSK	1	271	18.23	18.43	18.31		
100	QPSK	135	0	18.30	18.52	18.49	20.0	0.0
100	QPSK	135	69	18.32	18.24	18.16		
100	QPSK	135	138	18.34	18.18	18.31		
100	QPSK	270	0	18.20	18.37	18.40	20.0	0.0
100	16QAM	1	1	18.60	18.49	18.70	20.0	0.0
100	64QAM	1	1	18.66	18.64	18.70	20.0	0.0
100	256QAM	1	1	18.22	18.57	18.18	20.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	18.25	18.62	18.34	20.0	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	18.51	18.52	18.15	20.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	18.50	18.66	18.30	20.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	18.45	18.55	18.24	20.0	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	18.20	18.44	18.39	20.0	0.0
Channel				503202	518598	533988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	18.20	18.55	18.15	20.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	18.24	18.68	18.21	20.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	18.24	18.63	18.25	20.0	0.0

n41(HPUE)_Ant 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	18.40	18.72	18.43	20.0	0.0
100	PI/2 BPSK	1	137	18.25	18.62	18.28		
100	PI/2 BPSK	1	271	18.27	18.39	18.32		
100	PI/2 BPSK	135	0	18.11	18.47	18.17	20.0	0.0
100	PI/2 BPSK	135	69	18.40	18.70	18.35	20.0	0.0
100	PI/2 BPSK	135	138	18.28	18.67	18.25		
100	PI/2 BPSK	270	0	18.41	18.43	18.22		
100	QPSK	1	1	18.21	18.31	18.35	20.0	0.0
100	QPSK	1	137	18.17	18.34	18.30		
100	QPSK	1	271	18.23	18.43	18.31		
100	QPSK	135	0	18.30	18.52	18.49	20.0	0.0
100	QPSK	135	69	18.32	18.24	18.16		
100	QPSK	135	138	18.34	18.18	18.31		
100	QPSK	270	0	18.20	18.37	18.40	20.0	0.0
100	16QAM	1	1	18.60	18.49	18.70	20.0	0.0
100	64QAM	1	1	18.66	18.64	18.70	20.0	0.0
100	256QAM	1	1	18.22	18.57	18.18	20.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	18.25	18.62	18.34	20.0	0.0
Channel				507204	518598	529992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	18.51	18.52	18.15	20.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	18.50	18.66	18.30	20.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	18.45	18.55	18.24	20.0	0.0
Channel				504204	518598	532992	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	18.20	18.44	18.39	20.0	0.0
Channel				503202	518598	533988	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	18.20	18.55	18.15	20.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	18.24	18.68	18.21	20.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	18.24	18.63	18.25	20.0	0.0

n41_Ant 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				509202	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.68	20.62	20.57	22.5	0.0
100	PI/2 BPSK	1	137	20.66	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53		
100	PI/2 BPSK	135	69	20.86	20.60	20.55	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54		
100	PI/2 BPSK	270	0	20.85	20.52	20.54	22.5	0.0
100	QPSK	1	1	20.79	20.56	20.51		
100	QPSK	1	137	20.81	20.50	20.52	22.5	0.0
100	QPSK	1	271	20.75	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55		
100	QPSK	135	69	20.80	20.50	20.53	22.5	0.0
100	QPSK	135	138	20.74	20.54	20.56		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.79	20.62	20.82	22.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				506202	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.79	20.67	20.76	22.5	0.0
Channel				505200	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				502202	518998	538000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.79	20.69	20.83	22.5	0.0
Channel				501204	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 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				509202	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	21.96	21.63	21.60	23.5	0.0
100	PI/2 BPSK	1	137	21.88	21.65	21.63		
100	PI/2 BPSK	1	271	21.74	21.63	21.65		
100	PI/2 BPSK	135	0	21.77	21.62	21.52		
100	PI/2 BPSK	135	69	21.92	21.65	21.63		
100	PI/2 BPSK	135	138	21.74	21.61	21.57		
100	PI/2 BPSK	270	0	21.90	21.65	21.60		
100	QPSK	1	1	21.80	21.72	21.71		
100	QPSK	1	137	21.95	21.90	21.86		
100	QPSK	1	271	21.84	21.64	21.61		
100	QPSK	135	0	21.79	21.57	21.82		
100	QPSK	135	69	21.76	21.73	21.59		
100	QPSK	135	138	21.94	21.76	21.74		
100	QPSK	270	0	21.92	21.74	21.69		
100	16QAM	1	1	21.82	21.68	21.55	23.5	0.0
100	64QAM	1	1	21.60	21.72	21.84	23.5	0.0
100	256QAM	1	1	21.29	21.01	21.14	23.0	0.5
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	21.90	21.54	21.66	23.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	21.90	21.76	21.73	23.5	0.0
Channel				506202	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	21.90	21.54	21.61	23.5	0.0
Channel				505200	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	21.85	21.58	21.64	23.5	0.0
Channel				504204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	21.91	21.52	21.52	23.5	0.0
Channel				502202	518998	538000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	21.94	21.65	21.60	23.5	0.0
Channel				502200	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2592.99	2674.98		
30	PI/2 BPSK	1	1	21.72	21.69	21.70	23.5	0.0
Channel				501204	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	21.78	21.51	21.56	23.5	0.0

n41_Ant 8

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	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.68	20.62	20.57	22.5	0.0
100	PI/2 BPSK	1	137	20.66	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53		
100	PI/2 BPSK	135	69	20.86	20.60	20.55	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54		
100	PI/2 BPSK	270	0	20.85	20.52	20.54	22.5	0.0
100	QPSK	1	1	20.79	20.56	20.51		
100	QPSK	1	137	20.81	20.50	20.52	22.5	0.0
100	QPSK	1	271	20.75	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55		
100	QPSK	135	69	20.80	20.50	20.53	22.5	0.0
100	QPSK	135	138	20.74	20.54	20.56		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.79	20.62	20.82	22.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				506202	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.79	20.67	20.76	22.5	0.0
Channel				505200	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				502202	518998	538000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.79	20.69	20.83	22.5	0.0
Channel				501204	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 8

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	518998	528600		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.90	22.62	22.58	24.5	0.0
100	PI/2 BPSK	1	137	22.89	22.57	22.51		
100	PI/2 BPSK	1	271	22.75	22.60	22.55		
100	PI/2 BPSK	135	0	22.79	22.55	22.50		
100	PI/2 BPSK	135	69	22.88	22.60	22.55	24.5	0.0
100	PI/2 BPSK	135	138	22.78	22.52	22.52		
100	PI/2 BPSK	270	0	22.83	22.57	22.53		
100	QPSK	1	1	22.87	22.50	22.56	24.5	0.0
100	QPSK	1	137	22.87	22.58	22.54		
100	QPSK	1	271	22.78	22.60	22.50		
100	QPSK	135	0	22.80	22.57	22.55		
100	QPSK	135	69	22.88	22.58	22.52		
100	QPSK	135	138	22.80	22.53	22.54		
100	QPSK	270	0	22.80	22.52	22.57	24.5	0.0
100	16QAM	1	1	22.77	22.52	22.53	24.5	0.0
100	64QAM	1	1	22.71	22.56	22.52	24.5	0.0
100	256QAM	1	1	21.42	21.06	21.07	23.0	1.5
Channel				508200	518998	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.85	22.73	22.88	24.5	0.0
Channel				507204	518998	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.82	22.68	22.86	24.5	0.0
Channel				506202	518998	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.86	22.69	22.87	24.5	0.0
Channel				505200	518998	533998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.87	22.73	22.82	24.5	0.0
Channel				504204	518998	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.89	22.71	22.82	24.5	0.0
Channel				502202	518998	538000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.86	22.75	22.79	24.5	0.0
Channel				502200	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.86	22.74	22.88	24.5	0.0
Channel				501204	518998	539998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.89	22.68	22.86	24.5	0.0

Part27O_n77_Ant 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				636000	636000	636000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.10	18.67	18.52	20.0	0.0
100	PI/2 BPSK	1	137	18.99	18.63	18.24		
100	PI/2 BPSK	1	271	18.83	18.39	18.49		
100	PI/2 BPSK	135	0	19.02	18.55	18.55	20.0	0.0
100	PI/2 BPSK	135	69	19.07	18.62	18.52	20.0	0.0
100	PI/2 BPSK	135	138	18.64	18.62	18.14	20.0	0.0
100	PI/2 BPSK	270	0	19.05	18.64	18.51		
100	QPSK	1	1	18.99	18.66	18.50	20.0	0.0
100	QPSK	1	137	18.78	18.51	18.34		
100	QPSK	1	271	18.91	18.63	18.53		
100	QPSK	135	0	18.85	18.76	18.52	20.0	0.0
100	QPSK	135	69	19.01	18.72	18.53		
100	QPSK	135	138	18.87	18.75	18.20		
100	QPSK	270	0	18.84	18.42	18.32	20.0	0.0
100	16QAM	1	1	19.06	18.55	18.47	20.0	0.0
100	64QAM	1	1	19.02	18.57	18.69	20.0	0.0
100	256QAM	1	1	19.02	18.80	18.36	20.0	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3365.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.94	18.45	18.47	20.0	0.0
Channel				646334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3363.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.94	18.46	18.58	20.0	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	19.06	18.71	18.63	20.0	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.02	18.53	18.46	20.0	0.0
Channel				646334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.97	18.49	18.44	20.0	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.93	18.55	18.61	20.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	18.97	18.51	18.39	20.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.01	3840	3966.99		
20	PI/2 BPSK	1	1	19.05	18.68	18.55	20.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	19.07	18.45	18.39	20.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.00	18.44	18.45	20.0	0.0

Part27O_n77(HPUE)_Ant 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				636000	636000	636000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.10	18.67	18.52	20.0	0.0
100	PI/2 BPSK	1	137	18.99	18.63	18.24		
100	PI/2 BPSK	1	271	18.83	18.39	18.49		
100	PI/2 BPSK	135	0	19.02	18.55	18.55	20.0	0.0
100	PI/2 BPSK	135	69	19.07	18.62	18.52	20.0	0.0
100	PI/2 BPSK	135	138	18.64	18.62	18.14	20.0	0.0
100	PI/2 BPSK	270	0	19.05	18.64	18.51		
100	QPSK	1	1	18.99	18.66	18.50	20.0	0.0
100	QPSK	1	137	18.78	18.51	18.34		
100	QPSK	1	271	18.91	18.63	18.53		
100	QPSK	135	0	18.85	18.76	18.52	20.0	0.0
100	QPSK	135	69	19.01	18.72	18.53		
100	QPSK	135	138	18.87	18.75	18.20		
100	QPSK	270	0	18.84	18.42	18.32	20.0	0.0
100	16QAM	1	1	19.06	18.55	18.47	20.0	0.0
100	64QAM	1	1	19.02	18.57	18.69	20.0	0.0
100	256QAM	1	1	19.02	18.80	18.36	20.0	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3365.02	3840	3934.98		
90	PI/2 BPSK	1	1	18.94	18.45	18.47	20.0	0.0
Channel				646334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3363.01	3840	3939.99		
80	PI/2 BPSK	1	1	18.94	18.46	18.58	20.0	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	19.06	18.71	18.63	20.0	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	19.02	18.53	18.46	20.0	0.0
Channel				646334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.01	3840	3954.99		
50	PI/2 BPSK	1	1	18.97	18.49	18.44	20.0	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	18.93	18.55	18.61	20.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	18.97	18.51	18.39	20.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.01	3840	3966.99		
20	PI/2 BPSK	1	1	19.05	18.68	18.55	20.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	19.07	18.45	18.39	20.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	19.00	18.44	18.45	20.0	0.0

Part27O_n77_Ant 8

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				636000	636000	636000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.48	20.44	20.45	21.5	0.0
100	PI/2 BPSK	1	137	20.33	20.41	20.32		
100	PI/2 BPSK	1	271	20.42	20.32	20.35		
100	PI/2 BPSK	135	0	20.31	20.36	20.33	21.5	0.0
100	PI/2 BPSK	135	69	20.45	20.42	20.42	21.5	0.0
100	PI/2 BPSK	135	138	20.37	20.28	20.27	21.5	0.0
100	PI/2 BPSK	270	0	20.42	20.41	20.33		
100	QPSK	1	1	20.39	20.34	20.22	21.5	0.0
100	QPSK	1	137	20.38	20.36	20.42		
100	QPSK	1	271	20.46	20.39	20.45		
100	QPSK	135	0	20.18	20.33	20.19	21.5	0.0
100	QPSK	135	69	20.42	20.43	20.39		
100	QPSK	135	138	20.29	20.32	20.23		
100	QPSK	270	0	20.27	20.34	20.27	21.5	0.0
100	16QAM	1	1	20.40	20.46	20.38	21.5	0.0
100	64QAM	1	1	20.38	20.39	20.43	21.5	0.0
100	256QAM	1	1	20.25	20.38	20.38	21.5	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3365.02	3840	3934.98		
99	PI/2 BPSK	1	1	20.18	20.21	20.28	21.5	0.0
Channel				646334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3363.01	3840	3939.99		
89	PI/2 BPSK	1	1	20.38	20.30	20.36	21.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	20.32	20.26	20.34	21.5	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
69	PI/2 BPSK	1	1	20.36	20.36	20.31	21.5	0.0
Channel				646334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.01	3840	3954.99		
59	PI/2 BPSK	1	1	20.21	20.33	20.35	21.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
49	PI/2 BPSK	1	1	20.18	20.29	20.37	21.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
39	PI/2 BPSK	1	1	20.32	20.24	20.35	21.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.01	3840	3966.99		
29	PI/2 BPSK	1	1	20.29	20.25	20.35	21.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
19	PI/2 BPSK	1	1	20.39	20.25	20.38	21.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
9	PI/2 BPSK	1	1	20.25	20.17	20.36	21.5	0.0

Part27O_n77(HPUE)_Ant 8

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				636000	636000	636000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.48	20.44	20.45	21.5	0.0
100	PI/2 BPSK	1	137	20.33	20.41	20.32		
100	PI/2 BPSK	1	271	20.42	20.32	20.35		
100	PI/2 BPSK	135	0	20.31	20.36	20.33	21.5	0.0
100	PI/2 BPSK	135	69	20.45	20.42	20.42	21.5	0.0
100	PI/2 BPSK	135	138	20.37	20.28	20.27	21.5	0.0
100	PI/2 BPSK	270	0	20.42	20.41	20.33		
100	QPSK	1	1	20.39	20.34	20.22	21.5	0.0
100	QPSK	1	137	20.38	20.36	20.42		
100	QPSK	1	271	20.46	20.39	20.45		
100	QPSK	135	0	20.18	20.33	20.19	21.5	0.0
100	QPSK	135	69	20.42	20.43	20.39		
100	QPSK	135	138	20.29	20.32	20.23		
100	QPSK	270	0	20.27	20.34	20.27	21.5	0.0
100	16QAM	1	1	20.40	20.46	20.38	21.5	0.0
100	64QAM	1	1	20.38	20.39	20.43	21.5	0.0
100	256QAM	1	1	20.25	20.38	20.38	21.5	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3365.02	3840	3934.98		
90	PI/2 BPSK	1	1	20.18	20.21	20.28	21.5	0.0
Channel				646334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3363.01	3840	3939.99		
80	PI/2 BPSK	1	1	20.38	20.30	20.36	21.5	0.0
Channel				646000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	PI/2 BPSK	1	1	20.32	20.26	20.34	21.5	0.0
Channel				646668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3949.98		
60	PI/2 BPSK	1	1	20.36	20.36	20.31	21.5	0.0
Channel				646334	656000	663666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.01	3840	3954.99		
50	PI/2 BPSK	1	1	20.21	20.33	20.35	21.5	0.0
Channel				646000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	PI/2 BPSK	1	1	20.18	20.29	20.37	21.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98		
30	PI/2 BPSK	1	1	20.32	20.24	20.35	21.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3713.01	3840	3966.99		
20	PI/2 BPSK	1	1	20.29	20.25	20.35	21.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48		
15	PI/2 BPSK	1	1	20.39	20.25	20.38	21.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	PI/2 BPSK	1	1	20.25	20.17	20.36	21.5	0.0

Part27O_n77_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	10.04	9.99	9.93	11.0	0.0
100	Pi/2 BPSK	1	137	10.03	9.80	9.84		
100	Pi/2 BPSK	1	271	10.01	9.58	9.80		
100	Pi/2 BPSK	135	0	9.89	9.76	9.88	11.0	0.0
100	Pi/2 BPSK	135	69	10.01	9.97	9.90	11.0	0.0
100	Pi/2 BPSK	135	138	9.82	9.95	9.72	11.0	0.0
100	Pi/2 BPSK	270	0	10.00	9.95	9.85		
100	QPSK	1	1	9.85	9.83	9.98	11.0	0.0
100	QPSK	1	137	9.96	9.94	9.81		
100	QPSK	1	271	9.97	9.88	9.90		
100	QPSK	135	0	10.01	9.89	9.68	11.0	0.0
100	QPSK	135	69	9.92	9.92	9.75		
100	QPSK	135	138	10.01	9.78	9.95		
100	QPSK	270	0	10.00	9.96	9.67	11.0	0.0
100	16QAM	1	1	9.50	9.72	9.82	11.0	0.0
100	64QAM	1	1	10.01	9.86	9.96	11.0	0.0
100	256QAM	1	1	10.02	9.85	9.75	11.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	Pi/2 BPSK	1	1	9.88	9.97	9.70	11.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	Pi/2 BPSK	1	1	9.98	9.85	9.98	11.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	Pi/2 BPSK	1	1	9.94	9.78	9.68	11.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3840	3949.98		
60	Pi/2 BPSK	1	1	9.93	9.95	9.81	11.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	Pi/2 BPSK	1	1	9.98	9.97	10.01	11.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3980	(dBm)	(dB)
40	Pi/2 BPSK	1	1	9.85	9.96	9.76	11.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	Pi/2 BPSK	1	1	9.97	9.72	9.92	11.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	Pi/2 BPSK	1	1	9.80	9.75	9.71	11.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	Pi/2 BPSK	1	1	9.96	9.94	9.86	11.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	Pi/2 BPSK	1	1	9.99	9.79	9.77	11.0	0.0

Part27O_n77(HPUE)_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	10.04	9.99	9.93	11.0	0.0
100	Pi/2 BPSK	1	137	10.03	9.80	9.84		
100	Pi/2 BPSK	1	271	10.01	9.58	9.80		
100	Pi/2 BPSK	135	0	9.89	9.76	9.88	11.0	0.0
100	Pi/2 BPSK	135	69	10.01	9.97	9.90	11.0	0.0
100	Pi/2 BPSK	135	138	9.82	9.95	9.72	11.0	0.0
100	Pi/2 BPSK	270	0	10.00	9.95	9.85		
100	QPSK	1	1	9.85	9.83	9.98	11.0	0.0
100	QPSK	1	137	9.96	9.94	9.81		
100	QPSK	1	271	9.97	9.88	9.90		
100	QPSK	135	0	10.01	9.89	9.68	11.0	0.0
100	QPSK	135	69	9.92	9.92	9.75		
100	QPSK	135	138	10.01	9.78	9.95		
100	QPSK	270	0	10.00	9.96	9.67	11.0	0.0
100	16QAM	1	1	9.50	9.72	9.82	11.0	0.0
100	64QAM	1	1	10.01	9.86	9.96	11.0	0.0
100	256QAM	1	1	10.02	9.85	9.75	11.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	Pi/2 BPSK	1	1	9.88	9.97	9.70	11.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99		
80	Pi/2 BPSK	1	1	9.98	9.85	9.98	11.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945		
70	Pi/2 BPSK	1	1	9.94	9.78	9.68	11.0	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3840	3949.98		
60	Pi/2 BPSK	1	1	9.93	9.95	9.81	11.0	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	Pi/2 BPSK	1	1	9.98	9.97	10.01	11.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3980	(dBm)	(dB)
40	Pi/2 BPSK	1	1	9.85	9.96	9.76	11.0	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	Pi/2 BPSK	1	1	9.97	9.72	9.92	11.0	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	Pi/2 BPSK	1	1	9.80	9.75	9.71	11.0	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	Pi/2 BPSK	1	1	9.96	9.94	9.86	11.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	Pi/2 BPSK	1	1	9.99	9.79	9.77	11.0	0.0

Part27O_n77_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	12.43	12.34	11.93	13.5	0.0
100	Pi/2 BPSK	1	137	12.28	12.33	11.68		
100	Pi/2 BPSK	1	271	12.20	12.12	11.91		
100	Pi/2 BPSK	135	0	12.39	12.29	11.87	13.5	0.0
100	Pi/2 BPSK	135	69	12.40	12.32	11.91	13.5	0.0
100	Pi/2 BPSK	135	138	12.32	12.20	11.63	13.5	0.0
100	Pi/2 BPSK	270	0	12.36	12.30	11.87		
100	QPSK	1	1	12.40	12.31	12.17	13.5	0.0
100	QPSK	1	137	12.36	12.19	11.87		
100	QPSK	1	271	12.39	11.97	11.61		
100	QPSK	135	0	12.32	12.30	11.92	13.5	0.0
100	QPSK	135	69	12.41	12.03	11.94		
100	QPSK	135	138	12.39	11.93	11.69		
100	QPSK	270	0	12.38	12.02	11.81	13.5	0.0
100	16QAM	1	1	12.34	12.11	11.95	13.5	0.0
100	64QAM	1	1	12.35	12.09	12.10	13.5	0.0
100	256QAM	1	1	12.34	12.02	12.03	13.5	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
99	Pi/2 BPSK	1	1	12.30	12.35	11.74	13.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
89	Pi/2 BPSK	1	1	12.31	12.30	11.77	13.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	Pi/2 BPSK	1	1	12.30	12.17	11.73	13.5	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)
69	Pi/2 BPSK	1	1	12.39	12.21	11.86	13.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	Pi/2 BPSK	1	1	12.15	12.18	11.91	13.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3980	(dBm)	(dB)
40	Pi/2 BPSK	1	1	12.28	12.09	11.65	13.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	Pi/2 BPSK	1	1	12.34	12.40	11.86	13.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	Pi/2 BPSK	1	1	12.37	12.26	11.76	13.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	Pi/2 BPSK	1	1	12.16	12.07	11.80	13.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	Pi/2 BPSK	1	1	12.40	12.27	11.82	13.5	0.0

Part27O_n77(HPUE)_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	Pi/2 BPSK	1	1	12.43	12.34	11.93	13.5	0.0
100	Pi/2 BPSK	1	137	12.28	12.33	11.68		
100	Pi/2 BPSK	1	271	12.20	12.12	11.91		
100	Pi/2 BPSK	135	0	12.39	12.29	11.87	13.5	0.0
100	Pi/2 BPSK	135	69	12.40	12.32	11.91	13.5	0.0
100	Pi/2 BPSK	135	138	12.32	12.20	11.63	13.5	0.0
100	Pi/2 BPSK	270	0	12.36	12.30	11.87		
100	QPSK	1	1	12.40	12.31	12.17	13.5	0.0
100	QPSK	1	137	12.36	12.19	11.87		
100	QPSK	1	271	12.39	11.97	11.61		
100	QPSK	135	0	12.32	12.30	11.92	13.5	0.0
100	QPSK	135	69	12.41	12.03	11.94		
100	QPSK	135	138	12.39	11.93	11.69		
100	QPSK	270	0	12.38	12.02	11.81	13.5	0.0
100	16QAM	1	1	12.34	12.11	11.95	13.5	0.0
100	64QAM	1	1	12.35	12.09	12.10	13.5	0.0
100	256QAM	1	1	12.34	12.02	12.03	13.5	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3934.98		
90	Pi/2 BPSK	1	1	12.30	12.35	11.74	13.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3939.99	(dBm)	(dB)
80	Pi/2 BPSK	1	1	12.31	12.30	11.77	13.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3840	3945	(dBm)	(dB)
70	Pi/2 BPSK	1	1	12.30	12.17	11.73	13.5	0.0
Channel				649668	656000	662332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3750.02	3840	3949.98	(dBm)	(dB)
60	Pi/2 BPSK	1	1	12.39	12.21	11.86	13.5	0.0
Channel				649334	656000	662666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	Pi/2 BPSK	1	1	12.15	12.18	11.91	13.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3700	3840	3980	(dBm)	(dB)
40	Pi/2 BPSK	1	1	12.28	12.09	11.65	13.5	0.0
Channel				647668	656000	664332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	Pi/2 BPSK	1	1	12.34	12.40	11.86	13.5	0.0
Channel				647334	656000	664666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3969.99	(dBm)	(dB)
20	Pi/2 BPSK	1	1	12.37	12.26	11.76	13.5	0.0
Channel				647168	656000	664832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	Pi/2 BPSK	1	1	12.16	12.07	11.80	13.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	Pi/2 BPSK	1	1	12.40	12.27	11.82	13.5	0.0

Part27O_n78_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.05		20.0	0.0
100	PI/2 BPSK	1	137		19.05			
100	PI/2 BPSK	1	271		19.03			
100	PI/2 BPSK	135	0		18.87		20.0	0.0
100	PI/2 BPSK	135	69		19.05		20.0	0.0
100	PI/2 BPSK	135	138		18.79		20.0	0.0
100	PI/2 BPSK	270	0		19.05			
100	QPSK	1	1		18.98		20.0	0.0
100	QPSK	1	137		18.98			
100	QPSK	1	271		18.88			
100	QPSK	135	0		19.05		20.0	0.0
100	QPSK	135	69		18.98			
100	QPSK	135	138		18.89			
100	QPSK	270	0		18.79		20.0	0.0
100	16QAM	1	1		18.94		20.0	0.0
100	64QAM	1	1		18.89		20.0	0.0
100	256QAM	1	1		18.94		20.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.91	18.77	18.97	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.02	19.03	18.79	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	19.05	18.88	18.78	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98		
60	PI/2 BPSK	1	1	18.97	18.76	19.04	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.00	18.79	18.99	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	18.74	18.68	18.78	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	19.02	18.97	18.94	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	19.04	18.69	18.81	20.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	18.88	18.73	19.01	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	18.75	18.73	19.00	20.0	0.0

Part27O_n78(HPUE)_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		19.05		20.0	0.0
100	PI/2 BPSK	1	137		19.05			
100	PI/2 BPSK	1	271		19.03			
100	PI/2 BPSK	135	0		18.87		20.0	0.0
100	PI/2 BPSK	135	69		19.05		20.0	0.0
100	PI/2 BPSK	135	138		18.79		20.0	0.0
100	PI/2 BPSK	270	0		19.05			
100	QPSK	1	1		18.98		20.0	0.0
100	QPSK	1	137		18.98			
100	QPSK	1	271		18.88			
100	QPSK	135	0		19.05		20.0	0.0
100	QPSK	135	69		18.98			
100	QPSK	135	138		18.89			
100	QPSK	270	0		18.79		20.0	0.0
100	16QAM	1	1		18.94		20.0	0.0
100	64QAM	1	1		18.89		20.0	0.0
100	256QAM	1	1		18.94		20.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	18.91	18.77	18.97	20.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	19.02	19.03	18.79	20.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	19.05	18.88	18.78	20.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98		
60	PI/2 BPSK	1	1	18.97	18.76	19.04	20.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	19.00	18.79	18.99	20.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	18.74	18.68	18.78	20.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	19.02	18.97	18.94	20.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	19.04	18.69	18.81	20.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	18.88	18.73	19.01	20.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	18.75	18.73	19.00	20.0	0.0

Part27O_n78_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.42		21.5	0.0
100	PI/2 BPSK	1	137		20.30			
100	PI/2 BPSK	1	271		20.15			
100	PI/2 BPSK	135	0		20.23		21.5	0.0
100	PI/2 BPSK	135	69		20.38		21.5	0.0
100	PI/2 BPSK	135	138		20.11		21.5	0.0
100	PI/2 BPSK	270	0		20.38			
100	QPSK	1	1		20.35		21.5	0.0
100	QPSK	1	137		20.25			
100	QPSK	1	271		20.13			
100	QPSK	135	0		20.22		21.5	0.0
100	QPSK	135	69		20.16			
100	QPSK	135	138		20.15			
100	QPSK	270	0		20.18		21.5	0.0
100	16QAM	1	1		20.29		21.5	0.0
100	64QAM	1	1		20.21		21.5	0.0
100	256QAM	1	1		20.35		21.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	20.39	20.32	20.29	21.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	20.36	20.32	20.29	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775	(dBm)	(dB)
70	PI/2 BPSK	1	1	20.32	20.21	20.29	21.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	20.20	20.18	20.29	21.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	20.35	20.27	20.29	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	20.17	20.32	20.29	21.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	20.15	20.20	20.29	21.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	20.37	20.35	20.29	21.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	20.34	20.24	20.29	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	20.29	20.29	20.29	21.5	0.0

Part27O_n78(HPUE)_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		20.42		21.5	0.0
100	PI/2 BPSK	1	137		20.30			
100	PI/2 BPSK	1	271		20.15			
100	PI/2 BPSK	135	0		20.23		21.5	0.0
100	PI/2 BPSK	135	69		20.38		21.5	0.0
100	PI/2 BPSK	135	138		20.11		21.5	0.0
100	PI/2 BPSK	270	0		20.38			
100	QPSK	1	1		20.35		21.5	0.0
100	QPSK	1	137		20.25			
100	QPSK	1	271		20.13			
100	QPSK	135	0		20.22		21.5	0.0
100	QPSK	135	69		20.16			
100	QPSK	135	138		20.15			
100	QPSK	270	0		20.18		21.5	0.0
100	16QAM	1	1		20.29		21.5	0.0
100	64QAM	1	1		20.21		21.5	0.0
100	256QAM	1	1		20.35		21.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	20.39	20.32	20.29	21.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	20.36	20.32	20.29	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775	(dBm)	(dB)
70	PI/2 BPSK	1	1	20.32	20.21	20.29	21.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720.02	3750	3779.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	20.20	20.18	20.29	21.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	20.35	20.27	20.29	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780	(dBm)	(dB)
40	PI/2 BPSK	1	1	20.17	20.32	20.29	21.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	20.15	20.20	20.29	21.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	20.37	20.35	20.29	21.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	20.34	20.24	20.29	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795	(dBm)	(dB)
10	PI/2 BPSK	1	1	20.29	20.29	20.29	21.5	0.0

Part27O_n78_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		10.02		11.0	0.0
100	PI/2 BPSK	1	137		9.81			
100	PI/2 BPSK	1	271		10.00			
100	PI/2 BPSK	135	0		9.63		11.0	0.0
100	PI/2 BPSK	135	69		10.02		11.0	0.0
100	PI/2 BPSK	135	138		9.57		11.0	0.0
100	PI/2 BPSK	270	0		9.98			
100	QPSK	1	1		9.87		11.0	0.0
100	QPSK	1	137		9.68			
100	QPSK	1	271		9.93			
100	QPSK	135	0		9.85		11.0	0.0
100	QPSK	135	69		9.59			
100	QPSK	135	138		9.62			
100	QPSK	270	0		9.70		11.0	0.0
100	16QAM	1	1		9.88		11.0	0.0
100	64QAM	1	1		9.83		11.0	0.0
100	256QAM	1	1		9.59		11.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	9.81	9.78	9.63	11.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	9.70	9.50	9.90	11.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	9.77	9.58	9.93	11.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	10.01	9.69	9.79	11.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	9.86	9.55	9.80	11.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
40	PI/2 BPSK	1	1	10.01	9.55	9.70	11.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
30	PI/2 BPSK	1	1	9.83	9.78	9.80	11.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
20	PI/2 BPSK	1	1	9.83	9.54	9.89	11.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3637.52	3750	3862.48		
15	PI/2 BPSK	1	1	9.75	9.56	9.90	11.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	9.96	9.67	9.91	11.0	0.0

Part27O_n78(HPUE)_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		10.02		11.0	0.0
100	PI/2 BPSK	1	137		9.81			
100	PI/2 BPSK	1	271		10.00			
100	PI/2 BPSK	135	0		9.63		11.0	0.0
100	PI/2 BPSK	135	69		10.02		11.0	0.0
100	PI/2 BPSK	135	138		9.57		11.0	0.0
100	PI/2 BPSK	270	0		9.98			
100	QPSK	1	1		9.87		11.0	0.0
100	QPSK	1	137		9.68			
100	QPSK	1	271		9.93			
100	QPSK	135	0		9.85		11.0	0.0
100	QPSK	135	69		9.59			
100	QPSK	135	138		9.62			
100	QPSK	270	0		9.70		11.0	0.0
100	16QAM	1	1		9.88		11.0	0.0
100	64QAM	1	1		9.83		11.0	0.0
100	256QAM	1	1		9.59		11.0	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	9.81	9.78	9.63	11.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	9.70	9.50	9.90	11.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	9.77	9.58	9.93	11.0	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	10.01	9.69	9.79	11.0	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	9.86	9.55	9.80	11.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
40	PI/2 BPSK	1	1	10.01	9.55	9.70	11.0	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
30	PI/2 BPSK	1	1	9.83	9.78	9.80	11.0	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
20	PI/2 BPSK	1	1	9.83	9.54	9.89	11.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3637.52	3750	3862.48		
15	PI/2 BPSK	1	1	9.75	9.56	9.90	11.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	9.96	9.67	9.91	11.0	0.0

Part27O_n78_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.40		13.5	0.0
100	PI/2 BPSK	1	137		12.39			
100	PI/2 BPSK	1	271		12.34			
100	PI/2 BPSK	135	0		12.19		13.5	0.0
100	PI/2 BPSK	135	69		12.36		13.5	0.0
100	PI/2 BPSK	135	138		12.05		13.5	0.0
100	PI/2 BPSK	270	0		12.33			
100	QPSK	1	1		12.11		13.5	0.0
100	QPSK	1	137		12.34			
100	QPSK	1	271		12.23			
100	QPSK	135	0		12.22		13.5	0.0
100	QPSK	135	69		12.30			
100	QPSK	135	138		12.08			
100	QPSK	270	0		12.25		13.5	0.0
100	16QAM	1	1		12.29		13.5	0.0
100	64QAM	1	1		12.32		13.5	0.0
100	256QAM	1	1		12.28		13.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
99	PI/2 BPSK	1	1	12.23	12.30	12.27	13.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
89	PI/2 BPSK	1	1	12.28	12.38	12.37	13.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
79	PI/2 BPSK	1	1	12.29	12.23	12.32	13.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
69	PI/2 BPSK	1	1	12.35	12.10	12.17	13.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
59	PI/2 BPSK	1	1	12.37	12.18	12.30	13.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
49	PI/2 BPSK	1	1	12.20	12.29	12.34	13.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
39	PI/2 BPSK	1	1	12.39	12.34	12.16	13.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
29	PI/2 BPSK	1	1	12.18	12.09	12.36	13.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3637.52	3750	3862.48		
19	PI/2 BPSK	1	1	12.36	12.35	12.39	13.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	12.25	12.38	12.18	13.5	0.0

Part27O_n78(HPUE)_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		12.40		13.5	0.0
100	PI/2 BPSK	1	137		12.39			
100	PI/2 BPSK	1	271		12.34			
100	PI/2 BPSK	135	0		12.19		13.5	0.0
100	PI/2 BPSK	135	69		12.36		13.5	0.0
100	PI/2 BPSK	135	138		12.05		13.5	0.0
100	PI/2 BPSK	270	0		12.33			
100	QPSK	1	1		12.11		13.5	0.0
100	QPSK	1	137		12.34			
100	QPSK	1	271		12.23			
100	QPSK	135	0		12.22		13.5	0.0
100	QPSK	135	69		12.30			
100	QPSK	135	138		12.08			
100	QPSK	270	0		12.25		13.5	0.0
100	16QAM	1	1		12.29		13.5	0.0
100	64QAM	1	1		12.32		13.5	0.0
100	256QAM	1	1		12.28		13.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	12.23	12.30	12.27	13.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3759.99		
80	PI/2 BPSK	1	1	12.28	12.38	12.37	13.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	12.29	12.23	12.32	13.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.02	3750	3789.98		
60	PI/2 BPSK	1	1	12.35	12.10	12.17	13.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	12.37	12.18	12.30	13.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3690	3750	3810		
40	PI/2 BPSK	1	1	12.20	12.29	12.34	13.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3675.02	3750	3824.98		
30	PI/2 BPSK	1	1	12.39	12.34	12.16	13.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3660.01	3750	3839.99		
20	PI/2 BPSK	1	1	12.18	12.09	12.36	13.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3637.52	3750	3862.48		
15	PI/2 BPSK	1	1	12.36	12.35	12.39	13.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	12.25	12.38	12.18	13.5	0.0

UL MIMO Power for State 13&14

n41_Ant 1

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				506202	518598	526800		
Frequency (MHz)				2546.01	2562.99	2580		
100	PI/2 BPSK	1	1	20.65	20.74	20.56	22.0	0.0
100	PI/2 BPSK	1	137	20.50	20.63	20.32		
100	PI/2 BPSK	1	271	20.58	20.45	20.41		
100	PI/2 BPSK	135	0	20.52	20.70	20.50	22.0	0.0
100	PI/2 BPSK	135	69	20.63	20.72	20.54	22.0	0.0
100	PI/2 BPSK	135	138	20.56	20.44	20.51	22.0	0.0
100	PI/2 BPSK	270	0	20.59	20.70	20.60		
100	QPSK	1	1	20.54	20.72	20.57		
100	QPSK	1	137	20.38	20.57	20.50	22.0	0.0
100	QPSK	1	271	20.57	20.51	20.51		
100	QPSK	135	0	20.65	20.41	20.38		
100	QPSK	135	69	20.40	20.47	20.44	22.0	0.0
100	QPSK	135	138	20.55	20.68	20.21		
100	QPSK	270	0	20.43	20.68	20.51	22.0	0.0
100	16QAM	1	1	20.70	20.73	20.64	22.0	0.0
100	64QAM	1	1	20.62	20.66	20.67	22.0	0.0
100	256QAM	1	1	20.45	20.36	20.29	22.0	0.0
Channel				506202	518598	526800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2584.99		
90	PI/2 BPSK	1	1	20.44	20.63	20.39	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2562.99	2589.99		
80	PI/2 BPSK	1	1	20.38	20.60	20.44	22.0	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2562.99	2595		
70	PI/2 BPSK	1	1	20.44	20.64	20.55	22.0	0.0
Channel				510200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2599.98		
60	PI/2 BPSK	1	1	20.60	20.66	20.60	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2604.99		
50	PI/2 BPSK	1	1	20.49	20.58	20.57	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2610		
40	PI/2 BPSK	1	1	20.50	20.72	20.45	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2614.98		
30	PI/2 BPSK	1	1	20.40	20.51	20.57	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2619.99		
20	PI/2 BPSK	1	1	20.47	20.70	20.45	22.0	0.0

n41(HPUE)_Ant 1

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				506202	518598	526800		
Frequency (MHz)				2546.01	2562.99	2580		
100	PI/2 BPSK	1	1	20.65	20.74	20.56	22.0	0.0
100	PI/2 BPSK	1	137	20.50	20.63	20.32		
100	PI/2 BPSK	1	271	20.58	20.45	20.41		
100	PI/2 BPSK	135	0	20.52	20.70	20.50	22.0	0.0
100	PI/2 BPSK	135	69	20.63	20.72	20.54	22.0	0.0
100	PI/2 BPSK	135	138	20.56	20.44	20.51	22.0	0.0
100	PI/2 BPSK	270	0	20.59	20.70	20.60		
100	QPSK	1	1	20.54	20.72	20.57		
100	QPSK	1	137	20.38	20.57	20.50	22.0	0.0
100	QPSK	1	271	20.57	20.51	20.51		
100	QPSK	135	0	20.65	20.41	20.38		
100	QPSK	135	69	20.40	20.47	20.44	22.0	0.0
100	QPSK	135	138	20.55	20.68	20.21		
100	QPSK	270	0	20.43	20.68	20.51	22.0	0.0
100	16QAM	1	1	20.70	20.73	20.64	22.0	0.0
100	64QAM	1	1	20.62	20.66	20.67	22.0	0.0
100	256QAM	1	1	20.45	20.36	20.29	22.0	0.0
Channel				506202	518598	526800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2584.99		
90	PI/2 BPSK	1	1	20.44	20.63	20.39	22.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2562.99	2589.99		
80	PI/2 BPSK	1	1	20.38	20.60	20.44	22.0	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2562.99	2595		
70	PI/2 BPSK	1	1	20.44	20.64	20.55	22.0	0.0
Channel				510200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2599.98		
60	PI/2 BPSK	1	1	20.60	20.66	20.60	22.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2604.99		
50	PI/2 BPSK	1	1	20.49	20.58	20.57	22.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2610		
40	PI/2 BPSK	1	1	20.50	20.72	20.45	22.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2614.98		
30	PI/2 BPSK	1	1	20.40	20.51	20.57	22.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2619.99		
20	PI/2 BPSK	1	1	20.47	20.70	20.45	22.0	0.0

n41_Ant 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				506202	518598	526800		
Frequency (MHz)				2546.01	2562.99	2580		
100	PI/2 BPSK	1	1	21.65	21.27	21.04	22.5	0.0
100	PI/2 BPSK	1	137	21.04	21.02	20.95		
100	PI/2 BPSK	1	271	20.94	21.04	20.98		
100	PI/2 BPSK	135	0	20.95	21.03	20.95	22.5	0.0
100	PI/2 BPSK	135	69	21.04	21.25	20.97	22.5	0.0
100	PI/2 BPSK	135	138	20.93	21.00	20.97	22.5	0.0
100	PI/2 BPSK	270	0	21.02	21.22	21.00		
100	QPSK	1	1	20.99	21.15	21.05		
100	QPSK	1	137	20.99	21.02	20.98	22.5	0.0
100	QPSK	1	271	20.97	21.05	20.92		
100	QPSK	135	0	21.08	21.09	21.02		
100	QPSK	135	69	21.04	21.04	21.01	22.5	0.0
100	QPSK	135	138	20.93	21.01	20.87		
100	QPSK	270	0	21.00	21.02	21.01	22.5	0.0
100	16QAM	1	1	21.22	21.24	21.26	22.5	0.0
100	64QAM	1	1	21.22	21.25	21.22	22.5	0.0
100	256QAM	1	1	20.48	20.52	20.52	22.5	0.0
Channel				506202	518598	526800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2584.99		
90	PI/2 BPSK	1	1	20.94	21.11	21.00	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2562.99	2589.99		
80	PI/2 BPSK	1	1	20.90	21.08	20.96	22.5	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2562.99	2595		
70	PI/2 BPSK	1	1	20.90	21.18	21.02	22.5	0.0
Channel				510200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2599.98		
60	PI/2 BPSK	1	1	20.88	21.11	21.03	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2604.99		
50	PI/2 BPSK	1	1	20.90	21.12	20.98	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2610		
40	PI/2 BPSK	1	1	20.89	21.18	20.98	22.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2614.98		
30	PI/2 BPSK	1	1	20.92	21.09	21.03	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2619.99		
20	PI/2 BPSK	1	1	20.88	21.16	21.00	22.5	0.0

n41(HPUE)_Ant 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				506202	518598	526800		
Frequency (MHz)				2546.01	2562.99	2580		
100	PI/2 BPSK	1	1	21.53	21.61	21.51	23.0	0.0
100	PI/2 BPSK	1	137	21.30	21.35	21.43		
100	PI/2 BPSK	1	271	21.24	21.21	21.39		
100	PI/2 BPSK	135	0	21.25	21.35	21.41	23.0	0.0
100	PI/2 BPSK	135	69	21.52	21.59	21.46	23.0	0.0
100	PI/2 BPSK	135	138	21.18	21.41	21.16	23.0	0.0
100	PI/2 BPSK	270	0	21.52	21.53	21.23		
100	QPSK	1	1	21.47	21.51	21.43		
100	QPSK	1	137	21.61	21.24	21.52	23.0	0.0
100	QPSK	1	271	21.30	21.21	21.37		
100	QPSK	135	0	21.34	21.31	21.34		
100	QPSK	135	69	21.23	21.36	21.53	23.0	0.0
100	QPSK	135	138	21.29	21.31	21.41		
100	QPSK	270	0	21.43	21.46	21.52	23.0	0.0
100	16QAM	1	1	21.48	21.56	21.34	23.0	0.0
100	64QAM	1	1	21.51	21.00	21.02	23.0	0.0
100	256QAM	1	1	21.40	21.46	21.34	23.0	0.0
Channel				506202	518598	526800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2562.99	2584.99		
90	PI/2 BPSK	1	1	21.44	21.49	21.43	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2562.99	2589.99		
80	PI/2 BPSK	1	1	21.35	21.55	21.37	23.0	0.0
Channel				508202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2562.99	2595		
70	PI/2 BPSK	1	1	21.54	21.46	21.32	23.0	0.0
Channel				510200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2562.99	2599.98		
60	PI/2 BPSK	1	1	21.56	21.50	21.26	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2562.99	2604.99		
50	PI/2 BPSK	1	1	21.35	21.38	21.40	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2562.99	2610		
40	PI/2 BPSK	1	1	21.60	21.57	21.25	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2562.99	2614.98		
30	PI/2 BPSK	1	1	21.30	21.58	21.24	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2562.99	2619.99		
20	PI/2 BPSK	1	1	21.27	21.55	21.39	23.0	0.0

n41_Ant 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.86	20.62	20.57	22.5	0.0
100	PI/2 BPSK	1	137	20.86	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53	22.5	0.0
100	PI/2 BPSK	135	69	20.85	20.60	20.55	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54	22.5	0.0
100	PI/2 BPSK	270	0	20.85	20.52	20.54		
100	QPSK	1	1	20.79	20.56	20.51	22.5	0.0
100	QPSK	1	137	20.81	20.50	20.52		
100	QPSK	1	271	20.75	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55	22.5	0.0
100	QPSK	135	69	20.80	20.50	20.53		
100	QPSK	135	138	20.74	20.54	20.58		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				518202	518598	518998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.79	20.62	20.82	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.79	20.67	20.76	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.79	20.69	20.83	22.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 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				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.90	22.62	22.58	24.5	0.0
100	PI/2 BPSK	1	137	22.89	22.57	22.51		
100	PI/2 BPSK	1	271	22.75	22.60	22.55		
100	PI/2 BPSK	135	0	22.79	22.55	22.50	24.5	0.0
100	PI/2 BPSK	135	69	22.88	22.60	22.52	24.5	0.0
100	PI/2 BPSK	135	138	22.78	22.52	22.52	24.5	0.0
100	PI/2 BPSK	270	0	22.83	22.57	22.53		
100	QPSK	1	1	22.87	22.50	22.56	24.5	0.0
100	QPSK	1	137	22.87	22.58	22.54		
100	QPSK	1	271	22.78	22.60	22.50		
100	QPSK	135	0	22.80	22.57	22.55	24.5	0.0
100	QPSK	135	69	22.88	22.58	22.52		
100	QPSK	135	138	22.80	22.53	22.54		
100	QPSK	270	0	22.80	22.52	22.57	24.5	0.0
100	16QAM	1	1	22.77	22.52	22.53	24.5	0.0
100	64QAM	1	1	22.71	22.56	22.52	24.5	0.0
100	256QAM	1	1	21.42	21.06	21.07	24.5	0.0
Channel				518202	518598	518998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.85	22.73	22.88	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.82	22.68	22.86	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.86	22.69	22.87	24.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.87	22.73	22.82	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.89	22.71	22.82	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.86	22.75	22.79	24.5	0.0
Channel				502200	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.86	22.74	22.88	24.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.89	22.68	22.86	24.5	0.0

n41_Ant 8

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	20.86	20.62	20.57	22.5	0.0
100	PI/2 BPSK	1	137	20.86	20.61	20.53		
100	PI/2 BPSK	1	271	20.77	20.60	20.52		
100	PI/2 BPSK	135	0	20.72	20.58	20.53	22.5	0.0
100	PI/2 BPSK	135	69	20.85	20.60	20.55	22.5	0.0
100	PI/2 BPSK	135	138	20.78	20.55	20.54	22.5	0.0
100	PI/2 BPSK	270	0	20.85	20.52	20.54		
100	QPSK	1	1	20.79	20.56	20.51	22.5	0.0
100	QPSK	1	137	20.81	20.50	20.52		
100	QPSK	1	271	20.75	20.53	20.56		
100	QPSK	135	0	20.74	20.52	20.55	22.5	0.0
100	QPSK	135	69	20.80	20.50	20.53		
100	QPSK	135	138	20.74	20.54	20.58		
100	QPSK	270	0	20.75	20.50	20.52	22.5	0.0
100	16QAM	1	1	20.72	20.59	20.54	22.5	0.0
100	64QAM	1	1	20.69	20.55	20.52	22.5	0.0
100	256QAM	1	1	20.77	20.58	20.54	22.5	0.0
Channel				518202	518598	518998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	20.79	20.62	20.82	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	20.71	20.65	20.83	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	20.79	20.67	20.76	22.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	20.73	20.70	20.83	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	20.72	20.64	20.75	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	20.70	20.64	20.78	22.5	0.0
Channel				502200	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	20.79	20.69	20.83	22.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	20.74	20.62	20.81	22.5	0.0

n41(HPUE)_Ant 8

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	22.90	22.62	22.58	24.5	0.0
100	PI/2 BPSK	1	137	22.89	22.57	22.51		
100	PI/2 BPSK	1	271	22.75	22.60	22.55		
100	PI/2 BPSK	135	0	22.79	22.55	22.50	24.5	0.0
100	PI/2 BPSK	135	69	22.88	22.60	22.52	24.5	0.0
100	PI/2 BPSK	135	138	22.78	22.52	22.52	24.5	0.0
100	PI/2 BPSK	270	0	22.83	22.57	22.53		
100	QPSK	1	1	22.87	22.50	22.56	24.5	0.0
100	QPSK	1	137	22.87	22.58	22.54		
100	QPSK	1	271	22.78	22.60	22.50		
100	QPSK	135	0	22.80	22.57	22.55	24.5	0.0
100	QPSK	135	69	22.88	22.58	22.52		
100	QPSK	135	138	22.80	22.53	22.54		
100	QPSK	270	0	22.80	22.52	22.57	24.5	0.0
100	16QAM	1	1	22.77	22.52	22.53	24.5	0.0
100	64QAM	1	1	22.71	22.56	22.52	24.5	0.0
100	256QAM	1	1	21.42	21.06	21.07	24.5	0.0
Channel				518202	518598	518998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	PI/2 BPSK	1	1	22.85	22.73	22.88	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	PI/2 BPSK	1	1	22.82	22.68	22.86	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	PI/2 BPSK	1	1	22.86	22.69	22.87	24.5	0.0
Channel				505200	518598	531998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	PI/2 BPSK	1	1	22.87	22.73	22.82	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	PI/2 BPSK	1	1	22.89	22.71	22.82	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	PI/2 BPSK	1	1	22.86	22.75	22.79	24.5	0.0
Channel				502200	518598	535000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	PI/2 BPSK	1	1	22.86	22.74	22.88	24.5	0.0
Channel				501204	518598	536998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	PI/2 BPSK	1	1	22.89	22.68	22.86	24.5	0.0

Part27O_n77_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.49	21.14	21.01	22.5	0.0
100	PI/2 BPSK	1	137	21.25	21.05	20.71		
100	PI/2 BPSK	1	271	21.22	20.88	20.82		
100	PI/2 BPSK	135	0	21.36	21.05	20.86	22.5	0.0
100	PI/2 BPSK	135	69	21.42	21.05	20.95	22.5	0.0
100	PI/2 BPSK	135	138	21.16	20.97	20.57	22.5	0.0
100	PI/2 BPSK	270	0	21.37	21.05	20.78		
100	QPSK	1	1	21.45	21.10	20.92		
100	QPSK	1	137	21.27	21.02	20.69	22.5	0.0
100	QPSK	1	271	21.26	20.86	20.77		
100	QPSK	135	0	21.36	21.02	20.78		
100	QPSK	135	69	21.37	21.04	20.81	22.5	0.0
100	QPSK	135	138	21.12	20.98	20.72		
100	QPSK	270	0	21.35	20.98	20.68	22.5	0.0
100	16QAM	1	1	21.45	21.13	20.98	22.5	0.0
100	64QAM	1	1	21.47	21.10	20.95	22.5	0.0
100	256QAM	1	1	21.35	21.06	20.88	22.5	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.13	21.38	21.42	22.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.14	21.36	21.41	22.5	0.0
Channel				648660	656000	663340	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.13	21.42	21.44	22.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3735.02	3840	3944.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.12	21.40	21.40	22.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.19	21.38	21.44	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.14	21.33	21.45	22.5	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.12	21.33	21.40	22.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3705.01	3840	3974.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.14	21.37	21.45	22.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.19	21.40	21.42	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.19	21.43	21.37	22.5	0.0

Part27O_n77(HPUE)_Ant 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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.92	23.13	23.05	24.5	0.0
100	PI/2 BPSK	1	137	23.30	22.96	22.92		
100	PI/2 BPSK	1	271	23.23	22.81	22.70		
100	PI/2 BPSK	135	0	23.43	22.88	22.86	24.5	0.0
100	PI/2 BPSK	135	69	23.48	23.07	22.95	24.5	0.0
100	PI/2 BPSK	135	138	23.33	22.98	22.73	24.5	0.0
100	PI/2 BPSK	270	0	23.40	23.04	22.85		
100	QPSK	1	1	23.46	23.10	23.00		
100	QPSK	1	137	23.27	22.92	22.78	24.5	0.0
100	QPSK	1	271	23.32	22.94	22.68		
100	QPSK	135	0	23.40	22.87	22.79		
100	QPSK	135	69	23.44	23.02	22.92	24.5	0.0
100	QPSK	135	138	23.36	22.92	22.68		
100	QPSK	270	0	23.39	22.94	22.81	24.5	0.0
100	16QAM	1	1	23.46	23.10	23.01	24.5	0.0
100	64QAM	1	1	23.44	23.08	23.01	24.5	0.0
100	256QAM	1	1	21.96	21.65	21.54	24.5	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	23.12	23.39	23.45	24.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	23.21	23.41	23.46	24.5	0.0
Channel				648660	656000	663340	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	23.19	23.35	23.39	24.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3735.02	3840	3944.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	23.13	23.39	23.48	24.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	23.18	23.43	23.46	24.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	23.20	23.36	23.50	24.5	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	23.17	23.41	23.45	24.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3705.01	3840	3974.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	23.17	23.44	23.50	24.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	23.14	23.45	23.45	24.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	23.16	23.42	23.50	24.5	0.0

Part27O_n77_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.43	21.34	21.32	22.5	0.0
100	PI/2 BPSK	1	137	21.41	21.32	21.31		
100	PI/2 BPSK	1	271	21.34	21.14	21.25		
100	PI/2 BPSK	135	0	21.29	21.19	21.24	22.5	0.0
100	PI/2 BPSK	135	69	21.37	21.32	21.29	22.5	0.0
100	PI/2 BPSK	135	138	21.30	21.27	21.22	22.5	0.0
100	PI/2 BPSK	270	0	21.31	21.30	21.27		
100	QPSK	1	1	21.22	21.19	21.26		
100	QPSK	1	137	21.38	21.27	21.31	22.5	0.0
100	QPSK	1	271	21.42	21.15	21.30		
100	QPSK	135	0	21.31	21.16	21.23		
100	QPSK	135	69	21.36	21.21	21.27	22.5	0.0
100	QPSK	135	138	21.30	21.14	21.29		
100	QPSK	270	0	21.31	21.13	21.24	22.5	0.0
100	16QAM	1	1	21.03	21.30	21.23	22.5	0.0
100	64QAM	1	1	21.39	21.29	21.28	22.5	0.0
100	256QAM	1	1	21.38	21.29	21.25	22.5	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.34	21.22	21.28	22.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.38	21.31	21.29	22.5	0.0
Channel				648660	656000	663340	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.40	21.30	21.22	22.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3735.02	3840	3944.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.40	21.29	21.39	22.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.39	21.30	21.40	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.39	21.29	21.39	22.5	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.31	21.30	21.41	22.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3705.01	3840	3974.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.30	21.28	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.33	21.28	21.41	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.39	21.31	21.42	22.5	0.0

Part27O_n77(HPUE)_Ant 8

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.43	21.34	21.32	22.5	0.0
100	PI/2 BPSK	1	137	21.41	21.32	21.31		
100	PI/2 BPSK	1	271	21.34	21.14	21.25		
100	PI/2 BPSK	135	0	21.29	21.19	21.24	22.5	0.0
100	PI/2 BPSK	135	69	21.37	21.32	21.29	22.5	0.0
100	PI/2 BPSK	135	138	21.30	21.27	21.22	22.5	0.0
100	PI/2 BPSK	270	0	21.31	21.30	21.27		
100	QPSK	1	1	21.22	21.19	21.26		
100	QPSK	1	137	21.38	21.27	21.31	22.5	0.0
100	QPSK	1	271	21.42	21.15	21.30		
100	QPSK	135	0	21.31	21.16	21.23		
100	QPSK	135	69	21.36	21.21	21.27	22.5	0.0
100	QPSK	135	138	21.30	21.14	21.29		
100	QPSK	270	0	21.31	21.13	21.24	22.5	0.0
100	16QAM	1	1	21.03	21.30	21.23	22.5	0.0
100	64QAM	1	1	21.39	21.29	21.28	22.5	0.0
100	256QAM	1	1	21.38	21.29	21.25	22.5	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	21.34	21.22	21.28	22.5	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	21.38	21.31	21.29	22.5	0.0
Channel				648660	656000	663340	Tune-up limit	MPR
Frequency (MHz)				3735	3840	3945	(dBm)	(dB)
70	PI/2 BPSK	1	1	21.40	21.30	21.22	22.5	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3735.02	3840	3944.98	(dBm)	(dB)
60	PI/2 BPSK	1	1	21.40	21.29	21.39	22.5	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3725.01	3840	3954.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	21.39	21.30	21.40	22.5	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
40	PI/2 BPSK	1	1	21.39	21.29	21.39	22.5	0.0
Channel				647668	656000	664332	Tune-up limit	MPR
Frequency (MHz)				3715.02	3840	3964.98	(dBm)	(dB)
30	PI/2 BPSK	1	1	21.31	21.30	21.41	22.5	0.0
Channel				647334	656000	664666	Tune-up limit	MPR
Frequency (MHz)				3705.01	3840	3974.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	21.30	21.28	21.40	22.5	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3707.52	3840	3972.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	21.33	21.28	21.41	22.5	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3705	3840	3975	(dBm)	(dB)
10	PI/2 BPSK	1	1	21.33	21.31	21.42	22.5	0.0

Part27O_n77_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.04	14.00	13.98	15.0	0.0
100	PI/2 BPSK	1	137	13.97	13.95	13.84		
100	PI/2 BPSK	1	271	14.00	13.98	13.89		
100	PI/2 BPSK	135	0	13.86	13.96	13.91	15.0	0.0
100	PI/2 BPSK	135	69	14.02	13.99	13.96	15.0	0.0
100	PI/2 BPSK	135	138	14.00	13.97	13.91	15.0	0.0
100	PI/2 BPSK	270	0	14.00	13.97	13.92		
100	QPSK	1	1	13.78	13.98	13.96		
100	QPSK	1	137	14.00	14.02	14.02	15.0	0.0
100	QPSK	1	271	13.94	13.96	14.00		
100	QPSK	135	0	13.96	14.01	13.99		
100	QPSK	135	69	13.86	13.94	13.92	15.0	0.0
100	QPSK	135	138	13.91	14.03	13.95		
100	QPSK	270	0	14.03	13.92	13.95	15.0	0.0
100	16QAM	1	1	14.01	13.99	14.02	15.0	0.0
100	64QAM	1	1	13.95	13.97	13.98	15.0	0.0
100	256QAM	1	1	13.82	13.93	13.86	15.0	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	13.92	13.72	13.77	15.0	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	13.86	13.78	13.87	15.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
70	PI/2 BPSK	1	1	13.83	13.72	13.84	15.0	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3706.52	3840	3973.48	(dBm)	(dB)
60	PI/2 BPSK	1	1	13.75	13.73	13.78	15.0	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3693.01	3840	3986.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	13.83	13.90	13.77	15.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3670	3840	4010	(dBm)	(dB)
40	PI/2 BPSK	1	1	13.86	13.75	13.76	15.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3615.52	3840	4064.48	(dBm)	(dB)
30	PI/2 BPSK	1	1	13.87	13.85	13.71	15.0	0.0
Channel				647004	656000	664996	Tune-up limit	MPR
Frequency (MHz)				3510.01	3840	4169.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	13.91	13.80	13.69	15.0	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3557.52	3840	4122.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	13.82	13.82	13.76	15.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3505	3840	4175	(dBm)	(dB)
10	PI/2 BPSK	1	1	13.75	13.70	13.78	15.0	0.0

Part27O_n77(HPUE)_Ant 9

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.04	14.00	13.98	15.0	0.0
100	PI/2 BPSK	1	137	13.97	13.95	13.84		
100	PI/2 BPSK	1	271	14.00	13.98	13.89		
100	PI/2 BPSK	135	0	13.86	13.96	13.91	15.0	0.0
100	PI/2 BPSK	135	69	14.02	13.99	13.96	15.0	0.0
100	PI/2 BPSK	135	138	14.00	13.97	13.91	15.0	0.0
100	PI/2 BPSK	270	0	14.00	13.97	13.92		
100	QPSK	1	1	13.78	13.98	13.96		
100	QPSK	1	137	14.00	14.02	14.02	15.0	0.0
100	QPSK	1	271	13.94	13.96	14.00		
100	QPSK	135	0	13.96	14.01	13.99		
100	QPSK	135	69	13.86	13.94	13.92	15.0	0.0
100	QPSK	135	138	13.91	14.03	13.95		
100	QPSK	270	0	14.03	13.92	13.95	15.0	0.0
100	16QAM	1	1	14.01	13.99	14.02	15.0	0.0
100	64QAM	1	1	13.95	13.97	13.98	15.0	0.0
100	256QAM	1	1	13.82	13.93	13.86	15.0	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	13.92	13.72	13.77	15.0	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	13.86	13.78	13.87	15.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
70	PI/2 BPSK	1	1	13.83	13.72	13.84	15.0	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3706.52	3840	3973.48	(dBm)	(dB)
60	PI/2 BPSK	1	1	13.75	13.73	13.78	15.0	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3693.01	3840	3986.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	13.83	13.90	13.77	15.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3670	3840	4010	(dBm)	(dB)
40	PI/2 BPSK	1	1	13.86	13.75	13.76	15.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3615.52	3840	4064.48	(dBm)	(dB)
30	PI/2 BPSK	1	1	13.87	13.85	13.71	15.0	0.0
Channel				647004	656000	664996	Tune-up limit	MPR
Frequency (MHz)				3510.01	3840	4169.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	13.91	13.80	13.69	15.0	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3557.52	3840	4122.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	13.82	13.82	13.76	15.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3505	3840	4175	(dBm)	(dB)
10	PI/2 BPSK	1	1	13.75	13.70	13.78	15.0	0.0

Part27O_n77_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.09	13.56	13.58	15.0	0.0
100	PI/2 BPSK	1	137	13.67	13.53	13.22		
100	PI/2 BPSK	1	271	13.69	13.46	13.51		
100	PI/2 BPSK	135	0	14.02	13.53	13.32	15.0	0.0
100	PI/2 BPSK	135	69	14.05	13.55	13.33	15.0	0.0
100	PI/2 BPSK	135	138	13.59	13.48	13.20	15.0	0.0
100	PI/2 BPSK	270	0	14.03	13.53	13.52		
100	QPSK	1	1	14.02	13.87	13.40		
100	QPSK	1	137	13.73	13.66	13.46	15.0	0.0
100	QPSK	1	271	13.80	13.28	13.24		
100	QPSK	135	0	14.02	13.51	13.38		
100	QPSK	135	69	14.00	13.48	13.28	15.0	0.0
100	QPSK	135	138	13.69	13.46	13.45		
100	QPSK	270	0	13.95	13.43	13.35	15.0	0.0
100	16QAM	1	1	14.00	13.86	13.43	15.0	0.0
100	64QAM	1	1	13.98	13.75	13.56	15.0	0.0
100	256QAM	1	1	14.00	13.80	13.60	15.0	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	14.04	13.37	13.31	15.0	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	13.96	13.54	13.45	15.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
70	PI/2 BPSK	1	1	14.01	13.55	13.41	15.0	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3706.52	3840	3973.48	(dBm)	(dB)
60	PI/2 BPSK	1	1	14.02	13.50	13.59	15.0	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3693.01	3840	3986.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	13.88	13.48	13.63	15.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3670	3840	4010	(dBm)	(dB)
40	PI/2 BPSK	1	1	14.03	13.29	13.54	15.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3615.52	3840	4064.48	(dBm)	(dB)
30	PI/2 BPSK	1	1	13.99	13.43	13.65	15.0	0.0
Channel				647004	656000	664996	Tune-up limit	MPR
Frequency (MHz)				3510.01	3840	4169.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	14.07	13.35	13.38	15.0	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3557.52	3840	4122.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	14.07	13.49	13.45	15.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3505	3840	4175	(dBm)	(dB)
10	PI/2 BPSK	1	1	14.04	13.58	13.35	15.0	0.0

Part27O_n77(HPUE)_Ant 10

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				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	14.09	13.56	13.58	15.0	0.0
100	PI/2 BPSK	1	137	13.67	13.53	13.22		
100	PI/2 BPSK	1	271	13.69	13.46	13.51		
100	PI/2 BPSK	135	0	14.02	13.53	13.32	15.0	0.0
100	PI/2 BPSK	135	69	14.05	13.55	13.33	15.0	0.0
100	PI/2 BPSK	135	138	13.59	13.48	13.20	15.0	0.0
100	PI/2 BPSK	270	0	14.03	13.53	13.52		
100	QPSK	1	1	14.02	13.87	13.40		
100	QPSK	1	137	13.73	13.66	13.46	15.0	0.0
100	QPSK	1	271	13.80	13.28	13.24		
100	QPSK	135	0	14.02	13.51	13.38		
100	QPSK	135	69	14.00	13.48	13.28	15.0	0.0
100	QPSK	135	138	13.69	13.46	13.45		
100	QPSK	270	0	13.95	13.43	13.35	15.0	0.0
100	16QAM	1	1	14.00	13.86	13.43	15.0	0.0
100	64QAM	1	1	13.98	13.75	13.56	15.0	0.0
100	256QAM	1	1	14.00	13.80	13.60	15.0	0.0
Channel				649992	656000	662012	Tune-up limit	MPR
Frequency (MHz)				3749.52	3840	3930.48	(dBm)	(dB)
90	PI/2 BPSK	1	1	14.04	13.37	13.31	15.0	0.0
Channel				649324	656000	662676	Tune-up limit	MPR
Frequency (MHz)				3743.01	3840	3936.99	(dBm)	(dB)
80	PI/2 BPSK	1	1	13.96	13.54	13.45	15.0	0.0
Channel				649000	656000	663000	Tune-up limit	MPR
Frequency (MHz)				3720	3840	3960	(dBm)	(dB)
70	PI/2 BPSK	1	1	14.01	13.55	13.41	15.0	0.0
Channel				648668	656000	663332	Tune-up limit	MPR
Frequency (MHz)				3706.52	3840	3973.48	(dBm)	(dB)
60	PI/2 BPSK	1	1	14.02	13.50	13.59	15.0	0.0
Channel				648334	656000	663666	Tune-up limit	MPR
Frequency (MHz)				3693.01	3840	3986.99	(dBm)	(dB)
50	PI/2 BPSK	1	1	13.88	13.48	13.63	15.0	0.0
Channel				648000	656000	664000	Tune-up limit	MPR
Frequency (MHz)				3670	3840	4010	(dBm)	(dB)
40	PI/2 BPSK	1	1	14.03	13.29	13.54	15.0	0.0
Channel				647332	656000	664668	Tune-up limit	MPR
Frequency (MHz)				3615.52	3840	4064.48	(dBm)	(dB)
30	PI/2 BPSK	1	1	13.99	13.43	13.65	15.0	0.0
Channel				647004	656000	664996	Tune-up limit	MPR
Frequency (MHz)				3510.01	3840	4169.99	(dBm)	(dB)
20	PI/2 BPSK	1	1	14.07	13.35	13.38	15.0	0.0
Channel				647168	656000	664832	Tune-up limit	MPR
Frequency (MHz)				3557.52	3840	4122.48	(dBm)	(dB)
15	PI/2 BPSK	1	1	14.07	13.49	13.45	15.0	0.0
Channel				647000	656000	665000	Tune-up limit	MPR
Frequency (MHz)				3505	3840	4175	(dBm)	(dB)
10	PI/2 BPSK	1	1	14.04	13.58	13.35	15.0	0.0

Part27O_n78_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.49		22.5	0.0
100	PI/2 BPSK	1	137		21.39			
100	PI/2 BPSK	1	271		21.38			
100	PI/2 BPSK	135	0		21.38		22.5	0.0
100	PI/2 BPSK	135	69		21.43		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.33			
100	QPSK	1	1		21.36		22.5	0.0
100	QPSK	1	137		21.39			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.38		22.5	0.0
100	QPSK	135	69		21.34			
100	QPSK	135	138		21.21			
100	QPSK	270	0		21.26		22.5	0.0
100	16QAM	1	1		21.44		22.5	0.0
100	64QAM	1	1		21.40		22.5	0.0
100	256QAM	1	1		21.33		22.5	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.42	21.37	21.44	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.32	21.33	21.39	22.5	0.0
Channel				648670	650000	651330	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3770		
70	PI/2 BPSK	1	1	21.43	21.38	21.35	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.02	3750	3769.98		
60	PI/2 BPSK	1	1	21.31	21.21	21.38	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	21.40	21.38	21.36	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	21.35	21.37	21.42	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	21.41	21.30	21.42	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	21.32	21.24	21.40	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.25	21.40	21.44	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.32	21.42	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		23.48		24.5	0.0
100	PI/2 BPSK	1	137		23.47			
100	PI/2 BPSK	1	271		23.44			
100	PI/2 BPSK	135	0		23.23		24.5	0.0
100	PI/2 BPSK	135	69		23.35		24.5	0.0
100	PI/2 BPSK	135	138		23.33		24.5	0.0
100	PI/2 BPSK	270	0		23.25			
100	QPSK	1	1		23.31		24.5	0.0
100	QPSK	1	137		23.39			
100	QPSK	1	271		23.38			
100	QPSK	135	0		23.29		24.5	0.0
100	QPSK	135	69		23.28			
100	QPSK	135	138		23.32			
100	QPSK	270	0		23.29		24.5	0.0
100	16QAM	1	1		23.41		24.5	0.0
100	64QAM	1	1		23.47		24.5	0.0
100	256QAM	1	1		21.85		24.5	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	23.35	23.33	23.44	24.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	23.32	23.46	23.31	24.5	0.0
Channel				648670	650000	651330	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3770		
70	PI/2 BPSK	1	1	23.41	23.33	23.46	24.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.02	3750	3769.98		
60	PI/2 BPSK	1	1	23.36	23.46	23.47	24.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	23.46	23.41	23.36	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	23.37	23.29	23.25	24.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	23.44	23.38	23.37	24.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	23.41	23.41	23.35	24.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	23.45	23.37	23.32	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	23.41	23.45	23.48	24.5	0.0

Part27O_n78_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.39		22.5	0.0
100	PI/2 BPSK	1	137		21.37			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.29		22.5	0.0
100	PI/2 BPSK	135	69		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.36			
100	QPSK	1	1		21.31		22.5	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.35		22.5	0.0
100	QPSK	135	69		21.21			
100	QPSK	135	138		21.24			
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.34		22.5	0.0
100	64QAM	1	1		21.36		22.5	0.0
100	256QAM	1	1		21.27		22.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.35	21.13	21.25	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.36	21.36	21.17	22.5	0.0
Channel				648670	650000	651330	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3770		
70	PI/2 BPSK	1	1	21.34	21.14	21.37	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.02	3750	3769.98		
60	PI/2 BPSK	1	1	21.36	21.32	21.29	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	21.37	21.34	21.34	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	21.34	21.31	21.38	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	21.35	21.32	21.30	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	21.37	21.16	21.34	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.38	21.30	21.37	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.24	21.33	21.38	22.5	0.0

Part27O_n78(HPUE)_Ant 8

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		21.39		22.5	0.0
100	PI/2 BPSK	1	137		21.37			
100	PI/2 BPSK	1	271		21.37			
100	PI/2 BPSK	135	0		21.29		22.5	0.0
100	PI/2 BPSK	135	69		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.21		22.5	0.0
100	PI/2 BPSK	270	0		21.36			
100	QPSK	1	1		21.31		22.5	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.35		22.5	0.0
100	QPSK	135	69		21.21			
100	QPSK	135	138		21.24			
100	QPSK	270	0		21.27		22.5	0.0
100	16QAM	1	1		21.34		22.5	0.0
100	64QAM	1	1		21.36		22.5	0.0
100	256QAM	1	1		21.27		22.5	0.0
Channel				649668	650000	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	21.35	21.13	21.25	22.5	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	21.36	21.36	21.17	22.5	0.0
Channel				648670	650000	651330	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730	3750	3770		
70	PI/2 BPSK	1	1	21.34	21.14	21.37	22.5	0.0
Channel				648668	650000	651332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3729.02	3750	3769.98		
60	PI/2 BPSK	1	1	21.36	21.32	21.29	22.5	0.0
Channel				648334	650000	651666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3774.99		
50	PI/2 BPSK	1	1	21.37	21.34	21.34	22.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	PI/2 BPSK	1	1	21.34	21.31	21.38	22.5	0.0
Channel				647668	650000	652332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	21.35	21.32	21.30	22.5	0.0
Channel				647334	650000	652666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	21.37	21.16	21.34	22.5	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	21.38	21.30	21.37	22.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	21.24	21.33	21.38	22.5	0.0

Part27O_n78_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.98		15.0	0.0
100	PI/2 BPSK	1	137		13.95			
100	PI/2 BPSK	1	271		13.97			
100	PI/2 BPSK	135	0		13.87		15.0	0.0
100	PI/2 BPSK	135	69		13.93		15.0	0.0
100	PI/2 BPSK	135	138		13.86		15.0	0.0
100	PI/2 BPSK	270	0		13.93			
100	QPSK	1	1		13.94		15.0	0.0
100	QPSK	1	137		13.87			
100	QPSK	1	271		13.91			
100	QPSK	135	0		13.93		15.0	0.0
100	QPSK	135	69		13.89			
100	QPSK	135	138		13.88			
100	QPSK	270	0		13.93		15.0	0.0
100	16QAM	1	1		13.95		15.0	0.0
100	64QAM	1	1		13.96		15.0	0.0
100	256QAM	1	1		13.92		15.0	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.80	13.84	13.89	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.79	13.78	13.81	15.0	0.0
Channel				648700	650000	651300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	13.68	13.74	13.84	15.0	0.0
Channel				648068	650000	651932	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3750	3783.98		
60	PI/2 BPSK	1	1	13.78	13.74	13.70	15.0	0.0
Channel				647434	650000	652566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	13.67	13.74	13.71	15.0	0.0
Channel				646800	650000	653200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3685	3750	3815		
40	PI/2 BPSK	1	1	13.65	13.76	13.80	15.0	0.0
Channel				646168	650000	653832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	13.69	13.79	13.71	15.0	0.0
Channel				647534	650000	652466	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.78	13.74	13.74	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	13.76	13.67	13.80	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	13.61	13.83	13.87	15.0	0.0

Part27O_n78(HPUE)_Ant 9

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.98		15.0	0.0
100	PI/2 BPSK	1	137		13.95			
100	PI/2 BPSK	1	271		13.97			
100	PI/2 BPSK	135	0		13.87		15.0	0.0
100	PI/2 BPSK	135	69		13.93		15.0	0.0
100	PI/2 BPSK	135	138		13.86		15.0	0.0
100	PI/2 BPSK	270	0		13.93			
100	QPSK	1	1		13.94		15.0	0.0
100	QPSK	1	137		13.87			
100	QPSK	1	271		13.91			
100	QPSK	135	0		13.93		15.0	0.0
100	QPSK	135	69		13.89			
100	QPSK	135	138		13.88			
100	QPSK	270	0		13.93		15.0	0.0
100	16QAM	1	1		13.95		15.0	0.0
100	64QAM	1	1		13.96		15.0	0.0
100	256QAM	1	1		13.92		15.0	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.80	13.84	13.89	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.79	13.78	13.81	15.0	0.0
Channel				648700	650000	651300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	13.68	13.74	13.84	15.0	0.0
Channel				648068	650000	651932	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3750	3783.98		
60	PI/2 BPSK	1	1	13.78	13.74	13.70	15.0	0.0
Channel				647434	650000	652566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	13.67	13.74	13.71	15.0	0.0
Channel				646800	650000	653200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3685	3750	3815		
40	PI/2 BPSK	1	1	13.65	13.76	13.80	15.0	0.0
Channel				646168	650000	653832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	13.69	13.79	13.71	15.0	0.0
Channel				647534	650000	652466	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.78	13.74	13.74	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	13.76	13.67	13.80	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	13.61	13.83	13.87	15.0	0.0

Part27O_n78_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.88		15.0	0.0
100	PI/2 BPSK	1	137		13.82			
100	PI/2 BPSK	1	271		13.80			
100	PI/2 BPSK	135	0		13.75		15.0	0.0
100	PI/2 BPSK	135	69		13.85		15.0	0.0
100	PI/2 BPSK	135	138		13.82		15.0	0.0
100	PI/2 BPSK	270	0		13.81			
100	QPSK	1	1		13.79		15.0	0.0
100	QPSK	1	137		13.84			
100	QPSK	1	271		13.83			
100	QPSK	135	0		13.84		15.0	0.0
100	QPSK	135	69		13.77			
100	QPSK	135	138		13.59			
100	QPSK	270	0		13.67		15.0	0.0
100	16QAM	1	1		13.73		15.0	0.0
100	64QAM	1	1		13.81		15.0	0.0
100	256QAM	1	1		13.61		15.0	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.83	13.87	13.79	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.78	13.83	13.85	15.0	0.0
Channel				648700	650000	651300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	13.70	13.72	13.87	15.0	0.0
Channel				648068	650000	651932	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3750	3783.98		
60	PI/2 BPSK	1	1	13.84	13.72	13.75	15.0	0.0
Channel				647434	650000	652566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	13.74	13.76	13.78	15.0	0.0
Channel				646800	650000	653200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3685	3750	3815		
40	PI/2 BPSK	1	1	13.82	13.87	13.78	15.0	0.0
Channel				646168	650000	653832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	13.81	13.86	13.78	15.0	0.0
Channel				647534	650000	652466	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.81	13.83	13.75	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	13.76	13.69	13.77	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	13.77	13.71	13.78	15.0	0.0

Part27O_n78(HPUE)_Ant 10

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					650000			
Frequency (MHz)					3750			
100	PI/2 BPSK	1	1		13.88		15.0	0.0
100	PI/2 BPSK	1	137		13.82			
100	PI/2 BPSK	1	271		13.80			
100	PI/2 BPSK	135	0		13.75		15.0	0.0
100	PI/2 BPSK	135	69		13.85		15.0	0.0
100	PI/2 BPSK	135	138		13.82		15.0	0.0
100	PI/2 BPSK	270	0		13.81			
100	QPSK	1	1		13.79		15.0	0.0
100	QPSK	1	137		13.84			
100	QPSK	1	271		13.83			
100	QPSK	135	0		13.84		15.0	0.0
100	QPSK	135	69		13.77			
100	QPSK	135	138		13.59			
100	QPSK	270	0		13.67		15.0	0.0
100	16QAM	1	1		13.73		15.0	0.0
100	64QAM	1	1		13.81		15.0	0.0
100	256QAM	1	1		13.61		15.0	0.0
Channel				649968	650332	650332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3754.98		
90	PI/2 BPSK	1	1	13.83	13.87	13.79	15.0	0.0
Channel				649334	650000	650666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3741.01	3750	3759.99		
80	PI/2 BPSK	1	1	13.78	13.83	13.85	15.0	0.0
Channel				648700	650000	651300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725	3750	3775		
70	PI/2 BPSK	1	1	13.70	13.72	13.87	15.0	0.0
Channel				648068	650000	651932	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3716.02	3750	3783.98		
60	PI/2 BPSK	1	1	13.84	13.72	13.75	15.0	0.0
Channel				647434	650000	652566	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705.01	3750	3794.99		
50	PI/2 BPSK	1	1	13.74	13.76	13.78	15.0	0.0
Channel				646800	650000	653200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3685	3750	3815		
40	PI/2 BPSK	1	1	13.82	13.87	13.78	15.0	0.0
Channel				646168	650000	653832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3784.98		
30	PI/2 BPSK	1	1	13.81	13.86	13.78	15.0	0.0
Channel				647534	650000	652466	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3789.99		
20	PI/2 BPSK	1	1	13.81	13.83	13.75	15.0	0.0
Channel				647168	650000	652832	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.48		
15	PI/2 BPSK	1	1	13.76	13.69	13.77	15.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	PI/2 BPSK	1	1	13.77	13.71	13.78	15.0	0.0

Bluetooth/WLAN Power

BT BR/EDR — **Ant 4**

Mode	Channel	Frequency (MHz)	Average power (dBm) Packet Type									Tune-up Limit
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	13.13	12.61	12.21	10.25	9.67	9.30	10.44	9.70	9.33	**14.21**
	CH 39	2441	14.59	14.15	13.96	11.68	11.12	10.95	11.87	11.20	11.03	**15.96**
	CH 78	2480	**15.37**	14.69	14.54	**12.51**	11.88	11.37	**12.71**	11.93	11.39	**16.54**

BT 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm) GFSK	Tune-up Limit
LE	CH 00	2402	4.50	6.50
	CH 19	2440	5.40	7.40
	CH 39	2480	6.60	8.60

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Average power (dBm) 2Mbps	Tune-up Limit
LE	CH 00	2402	4.50	4.50	6.50
	CH 19	2440	5.40	5.40	7.40
	CH 39	2480	6.60	6.60	8.60

BT BR/EDR — **Ant 5**

Mode	Channel	Frequency (MHz)	Average power (dBm) Packet Type									Tune-up Limit
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	15.50	15.14	14.85	12.72	11.88	11.86	12.77	11.96	11.93	**16.85**
	CH 39	2441	17.80	17.45	17.17	14.97	14.46	14.23	15.00	14.51	14.27	**19.17**
	CH 78	2480	**17.94**	17.52	17.23	**15.11**	14.54	14.25	**15.14**	14.56	14.30	**19.23**

BT 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm) GFSK	Tune-up Limit
LE	CH 00	2402	7.30	9.30
	CH 19	2440	9.00	11.00
	CH 39	2480	8.80	10.80

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Average power (dBm) 2Mbps	Tune-up Limit
LE	CH 00	2402	7.30	7.30	9.30
	CH 19	2440	9.00	9.00	11.00
	CH 39	2480	8.80	8.80	10.80

BT BR/EDR — **Ant 6**

Mode	Channel	Frequency (MHz)	Average power (dBm) Packet Type									Tune-up Limit
			DH1	DH3	DH5	2DH1	2DH3	2DH5	3DH1	3DH3	3DH5	
Bluetooth	CH 0	2402	15.41	14.95	14.68	12.62	12.06	11.69	12.64	12.08	11.74	**16.68**
	CH 39	2441	**17.00**	16.68	16.40	**14.29**	13.69	13.48	**14.31**	13.72	13.53	**18.40**
	CH 78	2480	15.46	15.01	14.74	12.68	12.11	11.77	12.70	12.12	11.78	**16.74**

BT 4.0

Mode	Channel	Frequency (MHz)	Average power (dBm) GFSK	Tune-up Limit
LE	CH 00	2402	7.20	9.20
	CH 19	2440	8.40	10.40
	CH 39	2480	6.50	8.50

BT 5.0

Mode	Channel	Frequency (MHz)	Average power (dBm) 1Mbps	Average power (dBm) 2Mbps	Tune-up Limit
LE	CH 00	2402	7.20	7.20	9.20
	CH 19	2440	8.40	8.40	10.40
	CH 39	2480	6.50	6.50	8.50

2.4GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	**20.30**	22.30	**21.50**	23.50	**23.95**	25.95	98.10
		6	2437	Full	**18.90**	20.90	**20.30**	22.30	**22.67**	24.67	
		11	2462	Full	**19.30**	21.30	**20.30**	22.30	**22.84**	24.84	
	802.11g 6Mbps	1	2412	Full	19.30	21.30	18.50	20.50	21.93	23.93	99.20
		6	2437	Full	21.00	23.00	21.40	23.40	24.21	26.21	
		11	2462	Full	17.20	19.20	17.70	19.70	20.47	22.47	
	802.11n-HT20 MCS0	1	2412	Full	18.90	20.90	18.00	20.00	21.48	23.48	98.90
		6	2437	Full	19.60	21.60	19.50	21.50	22.56	24.56	
		11	2462	Full	16.60	18.60	16.80	18.80	19.71	21.71	
	802.11n-HT40 MCS0	3	2422	Full	18.30	20.30	17.80	19.80	21.07	23.07	99.00
		6	2437	Full	19.60	21.60	19.20	21.20	22.41	24.41	
		9	2452	Full	17.70	19.70	17.70	19.70	20.71	22.71	
	802.11ac-VHT20 MCS0	1	2412	Full	19.00	21.00	18.00	20.00	21.54	23.54	98.90
		6	2437	Full	19.70	21.70	19.50	21.50	22.61	24.61	
		11	2462	Full	16.70	18.70	16.80	18.80	19.76	21.76	
	802.11ac-VHT40 MCS0	3	2422	Full	18.40	20.40	17.80	19.80	21.12	23.12	99.00
		6	2437	Full	19.70	21.70	19.20	21.20	22.47	24.47	
		9	2452	Full	17.80	19.80	17.70	19.70	20.76	22.76	
	802.11ax-HE20 MCS0	1	2412	Full	19.10	21.10	18.10	20.10	21.64	23.64	99.80
				26/0	7.40	9.40	9.40	11.40	11.52	13.52	
				52/37	9.70	11.70	11.50	13.50	13.70	15.70	
				106/53	13.50	15.50	14.30	16.30	16.93	18.93	
				242/61	17.60	19.60	17.40	19.40	20.51	22.51	
		6	2437	Full	19.80	21.80	19.60	21.60	22.71	24.71	
				26/4	9.80	11.80	10.10	12.10	12.96	14.96	
				52/39	12.70	14.70	13.10	15.10	15.91	17.91	
				106/53	16.00	18.00	16.00	18.00	19.01	21.01	
				242/61	19.30	21.30	18.60	20.60	21.97	23.97	
		11	2462	Full	16.80	18.80	16.90	18.90	19.86	21.86	
				26/8	6.80	8.80	7.80	9.80	10.34	12.34	
				52/40	9.80	11.80	10.00	12.00	12.91	14.91	
				106/54	12.20	14.20	12.50	14.50	15.36	17.36	
				242/61	16.70	18.70	16.50	18.50	19.61	21.61	
	802.11ax-HE40 MCS0	3	2422	Full	18.50	20.50	17.90	19.90	21.22	23.22	99.80
				242/61	16.00	18.00	15.60	17.60	18.81	20.81	
				484/65	16.10	18.10	16.70	18.70	19.42	21.42	
		6	2437	Full	19.80	21.80	19.30	21.30	22.57	24.57	
				242/61	17.30	19.30	17.30	19.30	20.31	22.31	
				484/65	19.80	21.80	19.20	21.20	22.52	24.52	
		9	2452	Full	17.90	19.90	17.80	19.80	20.86	22.86	
				242/62	15.00	17.00	14.70	16.70	17.86	19.86	
				484/65	15.80	17.80	15.80	17.80	18.81	20.81	

2.4GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	**20.30**	22.30	**21.70**	23.70	**24.07**	26.07	98.10
		6	2437	Full	**18.90**	20.90	**22.60**	24.60	**24.14**	26.14	
		11	2462	Full	**19.30**	21.30	**21.50**	23.50	**23.55**	25.55	
	802.11g 6Mbps	1	2412	Full	19.30	21.30	19.60	21.60	22.46	24.46	99.20
		6	2437	Full	21.00	23.00	23.60	25.60	25.50	27.50	
		11	2462	Full	17.20	19.20	18.40	20.40	20.85	22.85	
	802.11n-HT20 MCS0	1	2412	Full	18.90	20.90	20.20	22.20	22.61	24.61	98.90
		6	2437	Full	19.60	21.60	21.60	23.60	23.72	25.72	
		11	2462	Full	16.60	18.60	17.50	19.50	20.08	22.08	
	802.11n-HT40 MCS0	3	2422	Full	18.30	20.30	19.80	21.80	22.12	24.12	99.00
		6	2437	Full	19.60	21.60	21.60	23.60	23.72	25.72	
		9	2452	Full	17.70	19.70	18.70	20.70	21.24	23.24	
	802.11ac-VHT20 MCS0	1	2412	Full	19.00	21.00	20.30	22.30	22.71	24.71	98.90
		6	2437	Full	19.70	21.70	21.70	23.70	23.82	25.82	
		11	2462	Full	16.70	18.70	17.60	19.60	20.18	22.18	
	802.11ac-VHT40 MCS0	3	2422	Full	18.40	20.40	19.90	21.90	22.22	24.22	99.00
		6	2437	Full	19.70	21.70	21.70	23.70	23.82	25.82	
		9	2452	Full	17.80	19.80	18.80	20.80	21.34	23.34	
	802.11ax-HE20 MCS0	1	2412	Full	19.10	21.10	20.40	22.40	22.81	24.81	99.80
				26/0	7.40	9.40	10.00	12.00	11.90	13.90	
				52/37	9.70	11.70	12.40	14.40	14.27	16.27	
				106/53	13.50	15.50	15.80	17.80	17.81	19.81	
				242/61	17.60	19.60	19.20	21.20	21.48	23.48	
		6	2437	Full	19.80	21.80	21.80	23.80	23.92	25.92	
				26/4	9.80	11.80	11.70	13.70	13.86	15.86	
				52/39	12.70	14.70	14.80	16.80	16.89	18.89	
				106/53	16.00	18.00	18.00	20.00	20.12	22.12	
				242/61	19.30	21.30	20.70	22.70	23.07	25.07	
		11	2462	Full	16.80	18.80	17.70	19.70	20.28	22.28	
				26/8	6.80	8.80	8.00	10.00	10.45	12.45	
				52/40	9.80	11.80	10.60	12.60	13.23	15.23	
				106/54	12.20	14.20	13.60	15.60	15.97	17.97	
				242/61	16.70	18.70	17.60	19.60	20.18	22.18	
	802.11ax-HE40 MCS0	3	2422	Full	18.50	20.50	20.00	22.00	22.32	24.32	99.80
				242/61	16.00	18.00	17.80	19.80	20.00	22.00	
				484/65	16.10	18.10	18.10	20.10	20.22	22.22	
		6	2437	Full	19.80	21.80	21.80	23.80	23.92	25.92	
				242/61	17.30	19.30	19.30	21.30	21.42	23.42	
				484/65	19.80	21.80	21.60	23.60	23.80	25.80	
		9	2452	Full	17.90	19.90	18.90	20.90	21.44	23.44	
				242/62	15.00	17.00	15.70	17.70	18.37	20.37	
				484/65	15.80	17.80	16.60	18.60	19.23	21.23	

5.2GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Full	18.30	20.30	18.00	20.00	21.16	23.16	98.30
		40	5200	Full	18.20	20.20	18.00	20.00	21.11	23.11	
		44	5220	Full	18.10	20.10	17.90	19.90	21.01	23.01	
		48	5240	Full	17.80	19.80	17.90	19.90	20.86	22.86	
	802.11n-HT20 MCS0	36	5180	Full	17.60	19.60	17.30	19.30	20.46	22.46	99.70
		40	5200	Full	17.50	19.50	17.30	19.30	20.41	22.41	
		44	5220	Full	18.00	20.00	17.80	19.80	20.91	22.91	
		48	5240	Full	17.20	19.20	17.20	19.20	20.21	22.21	
	802.11n-HT40 MCS0	38	5190	Full	17.60	19.60	17.20	19.20	20.41	22.41	99.60
		46	5230	Full	17.60	19.60	17.30	19.30	20.46	22.46	
	802.11ac-VHT20 MCS0	36	5180	Full	17.70	19.70	17.40	19.40	20.56	22.56	99.70
		40	5200	Full	17.60	19.60	17.40	19.40	20.51	22.51	
		44	5220	Full	18.10	20.10	17.90	19.90	21.01	23.01	
		48	5240	Full	17.30	19.30	17.30	19.30	20.31	22.31	
	802.11ac-VHT40 MCS0	38	5190	Full	17.70	19.70	17.30	19.30	20.51	22.51	99.60
		46	5230	Full	17.70	19.70	17.40	19.40	20.56	22.56	
	802.11ac-VHT80 MCS0	42	5210	Full	17.10	19.10	16.70	18.70	16.70	18.70	99.20
	802.11ax-HE20 MCS0	36	5180	Full	17.80	19.80	17.50	19.50	20.66	22.66	99.70
				26/0	8.40	10.40	8.00	10.00	11.21	13.21	
				52/37	11.50	13.50	11.10	13.10	14.31	16.31	
				106/53	14.80	16.80	14.10	16.10	17.47	19.47	
				242/61	17.30	19.30	16.60	18.60	19.97	21.97	
		40	5200	Full	17.70	19.70	17.50	19.50	20.61	22.61	
		44	5220	Full	18.20	20.20	18.00	20.00	21.11	23.11	
				26/4	9.80	11.80	9.10	11.10	12.47	14.47	
				52/39	11.70	13.70	11.50	13.50	14.61	16.61	
				106/53	15.10	17.10	14.60	16.60	17.87	19.87	
				242/61	18.10	20.10	17.90	19.90	21.01	23.01	
		48	5240	Full	17.40	19.40	17.40	19.40	20.41	22.41	
				26/8	7.90	9.90	7.70	9.70	10.81	12.81	
				52/40	10.80	12.80	10.90	12.90	13.86	15.86	
				106/54	14.20	16.20	14.10	16.10	17.16	19.16	
				242/61	17.40	19.40	17.30	19.30	20.36	22.36	
	802.11ax-HE40 MCS0	38	5190	Full	17.80	19.80	17.40	19.40	20.61	22.61	99.50
				242/61	14.90	16.90	14.30	16.30	17.62	19.62	
				484/65	15.70	17.70	15.10	17.10	18.42	20.42	
		46	5230	Full	17.80	19.80	17.50	19.50	20.66	22.66	
				242/61	14.60	16.60	14.20	16.20	17.41	19.41	
				484/65	17.60	19.60	17.30	19.30	20.46	22.46	
	802.11ax-HE80 MCS0	42	5210	Full	17.20	19.20	16.80	18.80	20.01	22.01	99.10
				484/65	15.00	17.00	14.40	16.40	17.72	19.72	
				966/67	15.70	17.70	15.00	17.00	18.37	20.37	

5.2GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	36	5180	Full	18.30	20.30	16.30	18.30	20.42	22.42	98.30
		40	5200	Full	18.20	20.20	16.40	18.40	20.40	22.40	
		44	5220	Full	18.40	20.40	16.30	18.30	20.49	22.49	
		48	5240	Full	17.90	19.90	16.50	18.50	20.27	22.27	
	802.11n-HT20 MCS0	36	5180	Full	17.60	19.60	15.90	17.90	19.84	21.84	99.70
		40	5200	Full	17.50	19.50	15.90	17.90	19.81	21.81	
		44	5220	Full	18.00	20.00	16.00	18.00	20.12	22.12	
		48	5240	Full	17.20	19.20	15.60	17.60	19.48	21.48	
	802.11n-HT40 MCS0	38	5190	Full	17.60	19.60	15.80	17.80	19.80	21.80	99.60
		46	5230	Full	17.60	19.60	15.60	17.60	19.72	21.72	
	802.11ac-VHT20 MCS0	36	5180	Full	17.70	19.70	15.90	17.90	19.90	21.90	99.70
		40	5200	Full	17.60	19.60	15.90	17.90	19.85	21.85	
		44	5220	Full	18.10	20.10	16.00	18.00	20.19	22.19	
		48	5240	Full	17.30	19.30	15.60	17.60	19.54	21.54	
	802.11ac-VHT40 MCS0	38	5190	Full	17.70	19.70	15.80	17.80	19.86	21.86	99.60
		46	5230	Full	17.70	19.70	15.60	17.60	19.79	21.79	
	802.11ac-VHT80 MCS0	42	5210	Full	17.10	19.10	15.10	17.10	19.22	21.22	99.20
	802.11ax-HE20 MCS0	36	5180	Full	18.30	20.30	16.00	18.00	20.00	22.00	99.70
				26/0	8.40	10.40	6.10	8.10	10.41	12.41	
				52/37	11.50	13.50	9.20	11.20	13.51	15.51	
				106/53	14.80	16.80	12.20	14.20	16.70	18.70	
				242/61	17.30	19.30	15.50	17.50	19.50	21.50	
		40	5200	Full	17.70	19.70	16.00	18.00	19.95	21.95	
		44	5220	Full	18.20	20.20	16.10	18.10	20.29	22.29	
				26/4	9.80	11.80	7.60	9.60	11.85	13.85	
				52/39	11.70	13.70	9.60	11.60	13.79	15.79	
				106/53	15.10	17.10	12.30	14.30	16.93	18.93	
				242/61	18.10	20.10	15.80	17.80	20.11	22.11	
		48	5240	Full	17.40	19.40	15.70	17.70	19.64	21.64	
				26/8	7.90	9.90	6.30	8.30	10.18	12.18	
				52/40	10.80	12.80	9.40	11.40	13.17	15.17	
				106/54	14.20	16.20	12.50	14.50	16.44	18.44	
				242/61	17.40	19.40	15.60	17.60	19.60	21.60	
	802.11ax-HE40 MCS0	38	5190	Full	17.80	19.80	15.90	17.90	19.96	21.96	99.50
				242/61	14.90	16.90	11.90	13.90	16.66	18.66	
				484/65	15.70	17.70	14.10	16.10	17.98	19.98	
		46	5230	Full	17.80	19.80	15.70	17.70	19.89	21.89	
				242/61	14.60	16.60	12.20	14.20	16.57	18.57	
				484/65	17.60	19.60	15.20	17.20	19.57	21.57	
	802.11ax-HE80 MCS0	42	5210	Full	17.20	19.20	15.20	17.20	19.32	21.32	99.10
				484/65	15.00	17.00	12.20	14.20	16.83	18.83	
				966/67	15.70	17.70	13.40	15.40	17.71	19.71	

5.3GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Full	**18.30**	20.30	**18.10**	20.10	**21.21**	23.21	98.30
		56	5280	Full	**18.20**	**20.20**	**18.10**	20.10	**21.16**	**23.16**	
		60	5300	Full	**17.80**	**19.80**	**17.70**	**19.70**	**20.76**	**22.76**	
		64	5320	Full	**17.60**	**19.60**	**17.50**	**19.50**	**20.56**	**22.56**	
	802.11n-HT20 MCS0	52	5260	Full	17.30	19.30	17.60	19.60	20.46	22.46	99.70
		56	5280	Full	17.20	19.20	17.60	19.60	20.41	22.41	
		60	5300	Full	17.60	19.60	17.40	19.40	20.51	22.51	
		64	5320	Full	17.10	19.10	17.00	19.00	20.06	22.06	
	802.11n-HT40 MCS0	54	5270	Full	17.50	19.50	17.50	19.50	20.51	22.51	99.60
		62	5310	Full	17.30	19.30	17.10	19.10	20.21	22.21	
	802.11ac-VHT20 MCS0	52	5260	Full	17.40	19.40	17.70	19.70	20.56	22.56	99.70
		56	5280	Full	17.30	19.30	17.70	19.70	20.51	22.51	
		60	5300	Full	17.70	19.70	17.50	19.50	20.61	22.61	
		64	5320	Full	17.20	19.20	17.10	19.10	20.16	22.16	
	802.11ac-VHT40 MCS0	54	5270	Full	17.60	19.60	17.60	19.60	20.61	22.61	99.60
		62	5310	Full	17.40	19.40	17.20	19.20	20.31	22.31	
	802.11ac-VHT80 MCS0	58	5290	Full	16.90	18.90	17.00	19.00	19.96	21.96	99.20
	802.11ac-VHT160 MCS0	50	5250	Full	15.90	17.90	15.70	17.70	18.80	20.80	99.20
	802.11ax-HE20 MCS0	52	5260	Full	17.50	19.50	17.80	19.80	20.66	22.66	99.70
				26/0	8.30	10.30	8.40	10.40	11.36	13.36	
				52/37	11.40	13.40	11.40	13.40	14.41	16.41	
				106/53	14.60	16.60	14.50	16.50	17.56	19.56	
				242/61	17.50	19.50	17.70	19.70	20.61	22.61	
		56	5280	Full	17.40	19.40	17.80	19.80	20.61	22.61	
		60	5300	Full	17.80	19.80	17.60	19.60	20.71	22.71	
				26/4	9.40	11.40	9.20	11.20	12.31	14.31	
				52/39	11.10	13.10	11.10	13.10	14.11	16.11	
				106/54	14.50	16.50	14.40	16.40	17.46	19.46	
				242/61	17.70	19.70	17.50	19.50	20.61	22.61	
		64	5320	Full	17.30	19.30	17.20	19.20	20.26	22.26	
				26/8	8.30	10.30	8.10	10.10	13.76	15.76	
				52/40	10.80	12.80	10.70	12.70	13.76	15.76	
				106/54	14.20	16.20	14.20	16.20	17.21	19.21	
				242/61	17.20	19.20	17.10	19.10	20.16	22.16	
	802.11ax-HE40 MCS0	54	5270	Full	17.70	19.70	17.70	19.70	20.71	22.71	99.50
				242/61	14.80	16.80	14.50	16.50	17.66	19.66	
				484/65	17.50	19.50	17.60	19.60	20.56	22.56	
		62	5310	Full	17.50	19.50	17.30	19.30	20.41	22.41	
				242/62	14.20	16.20	14.10	16.10	17.16	19.16	
				484/65	15.70	17.70	15.40	17.40	18.56	20.56	
	802.11ax-HE80 MCS0	58	5290	Full	17.00	19.00	17.10	19.10	20.06	22.06	99.10
				484/66	14.60	16.60	14.30	16.30	17.46	19.46	
				966/67	15.40	17.40	15.30	17.30	18.36	20.36	
	802.11ax-HE160 MCS0	50	5250	Full	16.00	18.00	15.80	17.80	18.91	20.91	99.70
				996/67	13.50	15.50	13.30	15.30	16.41	18.41	
				996/567	13.00	15.00	13.00	15.00	16.01	18.01	
				1992/68	13.60	15.60	13.40	15.40	16.51	18.51	

5.3GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Full	**18.40**	20.40	**16.50**	18.50	**20.56**	22.56	98.30
		56	5280	Full	**18.30**	**20.30**	**16.50**	18.50	**20.51**	**22.51**	
		60	5300	Full	**18.00**	**20.00**	**15.90**	**17.90**	**20.09**	**22.09**	
		64	5320	Full	**17.40**	**19.40**	**15.40**	**17.40**	**19.52**	**21.52**	
	802.11n-HT20 MCS0	52	5260	Full	17.30	19.30	16.00	18.00	19.71	21.71	99.70
		56	5280	Full	17.20	19.20	16.00	18.00	19.65	21.65	
		60	5300	Full	17.60	19.60	15.70	17.70	19.76	21.76	
		64	5320	Full	17.10	19.10	15.20	17.20	19.26	21.26	
	802.11n-HT40 MCS0	54	5270	Full	17.50	19.50	15.90	17.90	19.78	21.78	99.60
		62	5310	Full	17.30	19.30	15.80	17.80	19.62	21.62	
	802.11ac-VHT20 MCS0	52	5260	Full	17.40	19.40	16.00	18.00	19.77	21.77	99.70
		56	5280	Full	17.30	19.30	16.00	18.00	19.72	21.72	
		60	5300	Full	17.70	19.70	15.70	17.70	19.82	21.82	
		64	5320	Full	17.20	19.20	15.20	17.20	19.32	21.32	
	802.11ac-VHT40 MCS0	54	5270	Full	17.60	19.60	15.90	17.90	19.84	21.84	99.60
		62	5310	Full	17.40	19.40	15.80	17.80	19.68	21.68	
	802.11ac-VHT80 MCS0	58	5290	Full	16.90	18.90	15.20	17.20	19.14	21.14	99.20
	802.11ac-VHT160 MCS0	50	5250	Full	15.90	17.90	14.00	16.00	18.06	20.06	99.20
	802.11ax-HE20 MCS0	52	5260	Full	17.50	19.50	16.10	18.10	19.87	21.87	99.70
				26/0	8.30	10.30	6.00	8.00	10.31	12.31	
				52/37	11.40	13.40	9.00	11.00	13.37	15.37	
				106/53	14.60	16.60	12.00	14.00	16.50	18.50	
				242/61	17.50	19.50	15.80	17.80	19.74	21.74	
		56	5280	Full	17.40	19.40	16.10	18.10	19.82	21.82	
		60	5300	Full	17.80	19.80	15.80	17.80	19.92	21.92	
				26/4	9.40	11.40	7.30	9.30	11.49	13.49	
				52/39	11.10	13.10	9.00	11.00	13.19	15.19	
				106/54	14.50	16.50	12.10	14.10	16.47	18.47	
				242/61	17.70	19.70	15.60	17.60	19.79	21.79	
		64	5320	Full	17.30	19.30	15.30	17.30	19.42	21.42	
				26/8	8.30	10.30	6.50	8.50	10.50	12.50	
				52/40	10.80	12.80	9.10	11.10	13.04	15.04	
				106/54	14.20	16.20	12.20	14.20	16.32	18.32	
				242/61	17.20	19.20	15.20	17.20	19.32	21.32	
	802.11ax-HE40 MCS0	54	5270	Full	17.70	19.70	16.00	18.00	19.94	21.94	99.50
				242/61	14.80	16.80	11.70	13.70	16.53	18.53	
				484/65	17.50	19.50	15.10	17.10	19.47	21.47	
		62	5310	Full	17.50	19.50	15.90	17.90	19.78	21.78	
				242/62	14.20	16.20	11.90	13.90	16.21	18.21	
				484/65	15.70	17.70	14.20	16.20	18.02	20.02	
	802.11ax-HE80 MCS0	58	5290	Full	17.00	19.00	13.30	15.30	18.54	20.54	99.10
				484/66	14.60	16.60	12.30	14.30	16.61	18.61	
				966/67	15.40	17.40	13.40	15.40	17.52	19.52	
	802.11ax-HE160 MCS0	50	5250	Full	16.00	18.00	14.10	16.10	18.16	20.16	99.70
				996/67	13.50	15.50	11.30	13.30	15.55	17.55	
				996/567	13.00	15.00	11.10	13.10	15.16	17.16	
				1992	13.60	15.60	11.60	13.60	15.72	17.72	

5.5GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Full	**18.00**	**20.00**	**17.80**	19.80	**20.91**	22.91	98.30
		116	5580	Full	**17.90**	**19.90**	**17.60**	**19.60**	**20.76**	**22.76**	
		132	5660	Full	**17.80**	**19.80**	**17.60**	**19.60**	**20.71**	**22.71**	
		140	5700	Full	**18.20**	20.20	**17.30**	**19.30**	**20.78**	**22.78**	
	802.11n-HT20 MCS0	100	5500	Full	17.60	19.60	17.40	19.40	20.51	22.51	99.70
		116	5580	Full	17.70	19.70	17.60	19.60	20.66	22.66	
		132	5660	Full	17.60	19.60	17.60	19.60	20.61	22.61	
		140	5700	Full	18.00	20.00	17.10	19.10	20.58	22.58	
	802.11n-HT40 MCS0	102	5510	Full	17.40	19.40	17.10	19.10	20.26	22.26	99.60
		110	5550	Full	17.40	19.40	17.00	19.00	20.21	22.21	
		134	5670	Full	17.60	19.60	17.20	19.20	20.41	22.41	
	802.11ac-VHT20 MCS0	100	5500	Full	17.70	19.70	17.50	19.50	20.61	22.61	99.70
		116	5580	Full	17.80	19.80	17.70	19.70	20.76	22.76	
		132	5660	Full	17.60	19.60	17.60	19.60	20.61	22.61	
		140	5700	Full	18.10	20.10	17.20	19.20	20.68	22.68	
	802.11ac-VHT40 MCS0	102	5510	Full	17.50	19.50	17.20	19.20	20.36	22.36	99.60
		110	5550	Full	17.50	19.50	17.10	19.10	20.31	22.31	
		134	5670	Full	17.70	19.70	17.30	19.30	20.51	22.51	
	802.11ac-VHT80 MCS0	106	5530	Full	17.50	19.50	17.20	19.20	20.36	22.36	99.20
	802.11ax-HE20 MCS0	100	5500	Full	17.80	19.80	17.60	19.60	20.71	22.71	99.70
				26/0	8.40	10.40	8.40	10.40	11.51	13.51	
				52/37	11.70	13.70	11.40	13.40	14.56	16.56	
				106/53	14.70	16.70	14.50	16.50	17.61	19.61	
				242/61	17.70	19.70	17.50	19.50	20.61	22.61	
		116	5580	Full	17.90	19.90	17.80	19.80	20.86	22.86	
				26/4	9.00	11.00	9.10	11.10	12.06	14.06	
				52/38	11.40	13.40	11.00	13.00	14.21	16.21	
				106/53	14.90	16.90	14.60	16.60	17.76	19.76	
				242/61	17.80	19.80	17.70	19.70	20.76	22.76	
		132	5660	Full	17.80	19.80	17.50	19.50	20.81	22.81	
		140	5700	Full	18.20	20.20	17.30	19.30	20.78	22.78	
				26/8	8.90	10.90	8.30	10.30	11.62	13.62	
				52/40	12.00	14.00	11.50	13.50	14.77	16.77	
				106/54	15.20	17.20	14.40	16.40	17.83	19.83	
				242/61	15.80	17.80	15.00	17.00	18.43	20.43	
	802.11ax-HE40 MCS0	102	5510	Full	17.60	19.60	17.30	19.30	20.46	22.46	99.50
				242/61	14.80	16.80	14.40	16.40	17.61	19.61	
				484/65	14.60	16.60	14.00	16.00	17.32	19.32	
		110	5550	Full	17.60	19.60	17.20	19.20	20.41	22.41	
				242/61	14.50	16.50	14.40	16.40	17.46	19.46	
				484/65	17.30	19.30	16.90	18.90	20.11	22.11	
		134	5670	Full	17.80	19.80	17.40	19.40	20.61	22.61	
				242/62	14.90	16.90	14.30	16.30	17.62	19.62	
				484/65	17.30	19.30	17.00	19.00	20.16	22.16	
	802.11ax-HE80 MCS0	106	5530	Full	17.60	19.60	17.30	19.30	20.46	22.46	99.10
				484/65	14.50	16.50	14.30	16.30	17.41	19.41	
				966/67	14.40	16.40	13.90	15.90	17.17	19.17	

5.5GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Full	**17.90**	**19.90**	16.20	18.20	**20.14**	**22.14**	98.30
		116	5580	Full	**17.90**	**19.90**	16.30	18.30	**20.18**	**22.18**	
		132	5660	Full	**17.80**	**19.80**	16.30	18.30	**20.13**	**22.13**	
		140	5700	Full	**18.30**	20.30	16.00	18.00	**20.31**	22.31	
	802.11n-HT20 MCS0	100	5500	Full	17.60	19.60	16.20	18.20	19.97	21.97	99.70
		116	5580	Full	17.70	19.70	16.50	18.50	20.15	22.15	
		132	5660	Full	17.60	19.60	16.50	18.50	20.11	22.11	
		140	5700	Full	18.00	20.00	16.00	18.00	20.12	22.12	
	802.11n-HT40 MCS0	102	5510	Full	17.40	19.40	15.80	17.80	19.68	21.68	99.60
		110	5550	Full	17.40	19.40	15.80	17.80	19.68	21.68	
		134	5670	Full	17.60	19.60	16.00	18.00	19.88	21.88	
	802.11ac-VHT20 MCS0	100	5500	Full	17.70	19.70	16.20	18.20	20.02	22.02	99.70
		116	5580	Full	17.80	19.80	16.50	18.50	20.21	22.21	
		132	5660	Full	17.60	19.60	16.50	18.50	20.11	22.11	
		140	5700	Full	18.10	20.10	16.00	18.00	20.19	22.19	
	802.11ac-VHT40 MCS0	102	5510	Full	17.50	19.50	15.80	17.80	19.74	21.74	99.60
		110	5550	Full	17.50	19.50	15.80	17.80	19.74	21.74	
		134	5670	Full	17.70	19.70	16.00	18.00	19.94	21.94	
	802.11ac-VHT80 MCS0	106	5530	Full	17.50	19.50	15.90	17.90	19.78	21.78	99.20
	802.11ax-HE20 MCS0	100	5500	Full	17.80	19.80	**16.30**	**18.30**	20.12	22.12	99.70
				26/0	8.60	10.60	6.60	8.60	10.72	12.72	
				52/37	11.70	13.70	9.50	11.50	13.75	15.75	
				106/53	14.70	16.70	12.60	14.60	16.79	18.79	
				242/61	17.70	19.70	16.10	18.10	19.98	21.98	
		116	5580	Full	17.90	19.90	**16.60**	**18.60**	20.31	22.31	
				26/4	9.00	11.00	7.60	9.60	11.37	13.37	
				52/38	11.40	13.40	9.40	11.40	13.52	15.52	
				106/53	14.90	16.90	12.60	14.60	16.91	18.91	
				242/61	17.80	19.80	16.50	18.50	20.21	22.21	
		132	5660	Full	17.80	19.80	**16.60**	**18.60**	20.26	22.26	
		140	5700	Full	18.20	20.20	**16.10**	**18.10**	20.29	22.29	
				26/8	8.90	10.90	6.30	8.30	10.80	12.80	
				52/40	12.00	14.00	9.50	11.50	13.94	15.94	
				106/54	15.20	17.20	12.40	14.40	17.03	19.03	
				242/61	15.80	17.80	13.60	15.60	17.85	19.85	
	802.11ax-HE40 MCS0	102	5510	Full	17.60	19.60	15.90	17.90	19.84	21.84	99.50
				242/61	14.80	16.80	12.40	14.40	16.77	18.77	
				484/65	14.60	16.60	13.90	15.90	17.27	19.27	
		110	5550	Full	17.60	19.60	15.90	17.90	19.84	21.84	
				242/61	14.50	16.50	12.40	14.40	16.59	18.59	
				484/65	17.30	19.30	14.90	16.90	19.27	21.27	
		134	5670	Full	17.80	19.80	16.10	18.10	20.04	22.04	
				242/62	14.90	16.90	12.20	14.20	16.77	18.77	
				484/65	17.30	19.30	15.70	17.70	19.58	21.58	
	802.11ax-HE80 MCS0	106	5530	Full	17.60	19.60	16.00	18.00	19.88	21.88	99.10
				484/65	14.50	16.50	12.60	14.60	16.66	18.66	
				966/67	14.40	16.40	12.60	14.60	16.60	18.60	

5.8GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	22.40	24.40	22.90	24.90	25.67	27.67	98.30
		157	5785	Full	20.50	22.50	19.90	21.90	23.22	25.22	
		165	5825	Full	22.40	24.40	22.10	24.10	25.26	27.26	
	802.11n-HT20 MCS0	149	5745	Full	22.40	24.40	23.00	25.00	25.72	27.72	99.70
		157	5785	Full	20.10	22.10	19.60	21.60	22.87	24.87	
		165	5825	Full	22.40	24.40	22.00	24.00	25.21	27.21	
	802.11n-HT40 MCS0	151	5755	Full	23.40	25.40	22.80	24.80	26.12	28.12	99.60
		159	5795	Full	22.10	24.10	21.90	23.90	25.01	27.01	
	802.11ac-VHT20 MCS0	149	5745	Full	22.40	24.40	23.00	25.00	25.72	27.72	99.70
		157	5785	Full	20.10	22.10	19.60	21.60	22.87	24.87	
		165	5825	Full	22.40	24.40	22.00	24.00	25.21	27.21	
	802.11ac-VHT40 MCS0	151	5755	Full	23.40	25.40	22.80	24.80	26.12	28.12	99.60
		159	5795	Full	22.10	24.10	21.90	23.90	25.01	27.01	
	802.11ac-VHT80 MCS0	155	5775	Full	22.00	24.00	22.70	24.70	25.37	27.37	99.20
	802.11ax-HE20 MCS0	149	5745	Full	22.50	24.50	**23.10**	25.10	25.82	27.82	99.70
				26/0	13.90	15.90	13.10	15.10	16.53	18.53	
				52/37	17.00	19.00	16.00	18.00	19.54	21.54	
				106/53	19.60	21.60	18.80	20.80	22.23	24.23	
				242	21.30	23.30	20.60	22.60	23.97	25.97	
		157	5785	Full	20.20	22.20	**19.70**	**21.70**	22.97	24.97	
				26/4	12.80	14.80	12.20	14.20	15.52	17.52	
				52/38	15.40	17.40	14.70	16.70	18.07	20.07	
				106/53	18.50	20.50	17.90	19.90	21.22	23.22	
				242	20.10	22.10	19.60	21.60	22.87	24.87	
		165	5825	Full	22.50	24.50	**22.10**	**24.10**	25.31	27.31	
				26/8	14.60	16.60	14.40	16.40	17.51	19.51	
				52/40	17.70	19.70	17.60	19.60	20.66	22.66	
				106/54	20.40	22.40	20.20	22.20	23.31	25.31	
				242	21.60	23.60	21.40	23.40	24.51	26.51	
	802.11ax-HE40 MCS0	151	5755	Full	**23.50**	25.50	22.90	24.90	**26.22**	28.22	99.50
				242/62	21.40	23.40	21.00	23.00	24.21	26.21	
				484	22.60	24.60	22.40	24.40	25.51	27.51	
		159	5795	Full	**22.20**	**24.20**	22.00	24.00	**25.11**	**27.11**	
				242/62	20.40	22.40	20.60	22.60	23.51	25.51	
				484	21.60	23.60	21.50	23.50	24.56	26.56	
	802.11ax-HE80 MCS0	155	5775	Full	22.10	24.10	22.80	24.80	25.47	27.47	99.10
				484/65	20.70	22.70	20.20	22.20	23.47	25.47	
				484/66	20.50	22.50	20.10	22.10	23.31	25.31	
				996	19.90	21.90	19.50	21.50	22.71	24.71	

5.8GHz WLAN					Full Power						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	22.40	24.40	20.90	22.90	24.72	26.72	98.30
		157	5785	Full	20.30	22.30	18.50	20.50	22.50	24.50	
		165	5825	Full	22.40	24.40	20.10	22.10	24.41	26.41	
	802.11n-HT20 MCS0	149	5745	Full	22.40	24.40	21.10	23.10	24.81	26.81	99.70
		157	5785	Full	20.10	22.10	18.40	20.40	22.34	24.34	
		165	5825	Full	22.40	24.40	20.20	22.20	24.45	26.45	
	802.11n-HT40 MCS0	151	5755	Full	23.40	25.40	20.80	22.80	25.30	27.30	99.60
		159	5795	Full	22.10	24.10	20.10	22.10	24.22	26.22	
	802.11ac-VHT20 MCS0	149	5745	Full	22.40	24.40	21.10	23.10	24.81	26.81	99.70
		157	5785	Full	20.10	22.10	18.40	20.40	22.34	24.34	
		165	5825	Full	22.40	24.40	20.20	22.20	24.45	26.45	
	802.11ac-VHT40 MCS0	151	5755	Full	23.40	25.40	20.80	22.80	25.30	27.30	99.60
		159	5795	Full	22.10	24.10	20.10	22.10	24.22	26.22	
	802.11ac-VHT80 MCS0	155	5775	Full	22.00	24.00	20.90	22.90	24.50	26.50	99.20
	802.11ax-HE20 MCS0	149	5745	Full	22.50	24.50	**21.20**	23.20	24.91	26.91	99.70
				26/0	13.90	15.90	11.40	13.40	15.84	17.84	
				52/37	17.00	19.00	14.20	16.20	18.83	20.83	
				106/53	19.60	21.60	16.90	18.90	21.47	23.47	
				242	21.30	23.30	18.60	20.60	23.17	25.17	
		157	5785	Full	20.20	22.20	**18.50**	**20.50**	22.44	24.44	
				26/4	12.80	14.80	10.20	12.20	14.70	16.70	
				52/38	15.40	17.40	12.60	14.60	17.23	19.23	
				106/53	18.50	20.50	15.90	17.90	20.40	22.40	
				242	20.10	22.10	18.00	20.00	22.19	24.19	
		165	5825	Full	22.50	24.50	**20.30**	**22.30**	24.55	26.55	
				26/8	14.60	16.60	12.30	14.30	16.61	18.61	
				52/40	17.70	19.70	15.40	17.40	19.71	21.71	
				106/54	20.40	22.40	18.00	20.00	22.37	24.37	
				242	21.60	23.60	19.20	21.20	23.57	25.57	
	802.11ax-HE40 MCS0	151	5755	Full	**23.50**	25.50	20.90	22.90	**25.40**	27.40	99.50
				242/62	21.40	23.40	19.00	21.00	23.37	25.37	
				484	22.60	24.60	20.20	22.20	24.57	26.57	
		159	5795	Full	**22.20**	**24.20**	20.20	22.20	**24.32**	**26.32**	
				242/62	20.40	22.40	18.50	20.50	22.56	24.56	
				484	21.60	23.60	19.70	21.70	23.76	25.76	
	802.11ax-HE80 MCS0	155	5775	Full	22.10	24.10	21.00	23.00	24.60	26.60	99.10
				484/65	20.70	22.70	18.30	20.30	22.67	24.67	
				484/66	20.50	22.50	18.10	20.10	22.47	24.47	
				996	19.90	21.90	18.20	20.20	22.14	24.14	

2.4GHz WLAN					Receiver On Standalone						Receiver On Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	20.30	22.30	20.05	22.05	22.55	24.55	20.30	22.30	16.56	18.56	19.08	21.08	98.10
		6	2437	Full	18.90	20.90	19.00	21.00	21.46	23.48	18.90	20.90	16.52	18.50	19.01	21.01	
		11	2462	Full	19.30	21.30	19.10	21.10	21.52	23.52	19.30	21.30	16.50	18.50	19.05	21.05	
	802.11g 6Mbps	1	2412	Full	Not Required	21.30	Not Required	20.50	Not Required	23.93	Not Required	21.30	Not Required	18.50	Not Required	21.00	99.20
		6	2437	Full		23.00		22.00		24.50		23.00		18.50		21.00	
		11	2462	Full		19.20		19.70		22.47		19.20		18.50		21.00	
	802.11n-HT20 MCS0	1	2412	Full		20.90		20.00		23.48		20.90		18.50		21.00	98.90
		6	2437	Full		21.60		21.50		24.50		21.60		18.50		21.00	
		11	2462	Full		18.60		18.80		21.71		18.60		18.50		21.00	
	802.11n-HT40 MCS0	3	2422	Full		20.30		19.80		23.07		20.30		18.50		21.00	99.00
		6	2437	Full		21.60		21.20		24.41		21.60		18.50		21.00	
		9	2452	Full		19.70		19.70		22.71		19.70		18.50		21.00	
	802.11ac-VHT20 MCS0	1	2412	Full		21.00		20.00		23.54		21.00		18.50		21.00	98.90
		6	2437	Full		21.70		21.50		24.50		21.70		18.50		21.00	
		11	2462	Full		18.70		18.80		21.76		18.70		18.50		21.00	
	802.11ac-VHT40 MCS0	3	2422	Full		20.40		19.80		23.12		20.40		18.50		21.00	99.00
		6	2437	Full		21.70		21.20		24.45		21.70		18.50		21.00	
		9	2452	Full		19.80		19.70		22.76		19.80		18.50		21.00	
	802.11ax-HE20 MCS0	1	2412	Full		21.10		20.10		23.64		21.10		18.50		21.00	99.80
				26/0		9.40		11.40		13.52		9.40		11.40		13.52	
				52/37		11.70		13.50		15.70		11.70		13.50		15.70	
				106/53		15.50		16.30		18.93		15.50		16.30		18.93	
				242/61		19.60		19.40		22.51		19.60		18.50		21.00	
		6	2437	Full		21.80		21.60		24.50		21.80		18.50		21.00	
				26/4		11.80		12.10		14.96		11.80		12.10		14.96	
				52/39		14.70		15.10		17.91		14.70		15.10		17.91	
				106/53		18.00		18.00		21.01		18.00		18.00		21.00	
				242/61		21.30		20.60		23.97		21.30		18.50		21.00	
		11	2462	Full		18.80		18.90		21.86		18.80		18.50		21.00	
				26/8		8.80		9.80		12.34		8.80		9.80		12.34	
				52/40		11.80		12.00		14.91		11.80		12.00		14.91	
				106/54		14.20		14.50		17.36		14.20		14.50		17.36	
				242/61		18.70		18.50		21.61		18.70		18.50		21.00	
	802.11ax-HE40 MCS0	3	2422	Full		20.50		19.90		23.22		20.50		18.50		21.00	99.80
				242/61		18.00		17.60		20.81		18.00		17.60		20.81	
				484/65		18.10		18.70		21.42		18.10		18.50		21.00	
		6	2437	Full		21.80		21.30		24.50		21.80		18.50		21.00	
				242/61		19.30		19.30		22.31		19.30		18.50		21.00	
				484/65		21.80		21.20		24.50		21.80		18.50		21.00	
		9	2452	Full		19.90		19.80		22.86		19.90		18.50		21.00	
				242/62		17.00		16.70		19.86		17.00		16.70		19.86	
				484/65		17.80		17.80		20.81		17.80		17.80		20.81	

5.2GHz WLAN					Receiver On Standalone						Receiver On Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Full	18.30	20.30	16.60	18.60	19.63	21.63	18.30	20.30	13.57	15.57	16.65	18.65	98.30
		40	5200	Full	18.20	20.20	16.56	18.56	19.60	21.60	18.20	20.20	13.53	15.53	16.61	18.61	
		44	5220	Full	18.10	20.10	16.52	18.52	19.51	21.51	18.10	20.10	13.50	15.50	16.53	18.53	
		48	5240	Full	17.80	19.80	16.54	18.54	19.56	21.56	17.80	19.80	13.40	15.40	16.55	18.55	
	802.11n-HT20 MCS0	36	5180	Full	Not Required	19.60	Not Required	18.50	Not Required	21.50	Not Required	19.60	Not Required	15.50	Not Required	18.50	99.70
		40	5200	Full		19.50		18.50		21.50		19.50		15.50		18.50	
		44	5220	Full		20.00		18.50		21.50		20.00		15.50		18.50	
		48	5240	Full		19.20		18.50		21.50		19.20		15.50		18.50	
	802.11n-HT40 MCS0	38	5190	Full		19.60		18.50		21.50		19.60		15.50		18.50	99.60
		46	5230	Full		19.60		18.50		21.50		19.60		15.50		18.50	
	802.11ac-VHT20 MCS0	36	5180	Full		19.70		18.50		21.50		19.70		15.50		18.50	99.70
		40	5200	Full		19.60		18.50		21.50		19.60		15.50		18.50	
		44	5220	Full		20.10		18.50		21.50		20.10		15.50		18.50	
		48	5240	Full		19.30		18.50		21.50		19.30		15.50		18.50	
	802.11ac-VHT40 MCS0	38	5190	Full		19.70		18.50		21.50		19.70		15.50		18.50	99.60
		46	5230	Full		19.70		18.50		21.50		19.70		15.50		18.50	
	802.11ac-VHT80 MCS0	42	5210	Full		19.10		18.50		18.70		19.10		15.50		18.50	99.20
	802.11ax-HE20 MCS0	36	5180	Full		19.80		18.50		21.50		19.80		15.50		18.50	99.70
				26/0		10.40		10.00		13.21		10.40		10.00		13.21	
				52/37		13.50		13.10		16.31		13.50		13.10		16.31	
				106/53		16.80		16.10		19.47		16.80		15.50		18.50	
				242/61		19.30		18.50		21.50		19.30		15.50		18.50	
		40	5200	Full		19.70		18.50		21.50		19.70		15.50		18.50	
		44	5220	Full		20.20		18.50		21.50		20.20		15.50		18.50	
				26/4		11.80		11.10		14.47		11.80		11.10		14.47	
				52/39		13.70		13.50		16.61		13.70		13.50		16.61	
				106/53		17.10		16.60		19.87		17.10		15.50		18.50	
				242/61		20.10		18.50		21.50		20.10		15.50		18.50	
		48	5240	Full		19.40		18.50		21.50		19.40		15.50		18.50	
				26/8		9.90		9.70		12.81		9.90		9.70		12.81	
				52/40		12.80		12.90		15.86		12.80		12.90		15.86	
				106/54		16.20		16.10		19.16		16.20		15.50		18.50	
				242/61		19.40		18.50		21.50		19.40		15.50		18.50	
	802.11ax-HE40 MCS0	38	5190	Full		19.80		18.50		21.50		19.80		15.50		18.50	99.50
				242/61		16.90		16.30		19.62		16.90		15.50		18.50	
				484/65		17.70		17.10		20.42		17.70		15.50		18.50	
		46	5230	Full		19.80		18.50		21.50		19.80		15.50		18.50	
				242/61		16.60		16.20		19.41		16.60		15.50		18.50	
				484/65		19.60		18.50		21.50		19.60		15.50		18.50	
	802.11ax-HE80 MCS0	42	5210	Full		19.20		18.50		21.50		19.20		15.50		18.50	99.10
				484/65		17.00		16.40		19.72		17.00		15.50		18.50	
				996/67		17.70		17.00		20.37		17.70		15.50		18.50	

5.3GHz WLAN					Receiver On Standalone						Receiver On Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Full	18.30	20.30	16.62	18.62	19.66	21.66	18.30	20.30	13.60	15.60	16.68	18.68	98.30
		56	5280	Full	18.20	20.20	16.55	18.55	19.61	21.61	18.20	20.20	13.57	15.57	16.61	18.61	
		60	5300	Full	17.80	19.80	16.50	18.50	19.59	21.59	17.80	19.80	13.52	15.52	16.60	18.60	
		64	5320	Full	17.60	19.60	16.52	18.52	19.56	21.56	17.60	19.60	13.50	15.50	16.57	18.57	
	802.11n-HT20 MCS0	52	5260	Full	Not Required	19.30	Not Required	18.50	Not Required	21.50	Not Required	19.30	Not Required	15.50	Not Required	18.50	99.70
		56	5280	Full		19.20		18.50		21.50		19.20		15.50		18.50	
		60	5300	Full		19.60		18.50		21.50		19.60		15.50		18.50	
		64	5320	Full		19.10		18.50		21.50		19.10		15.50		18.50	
	802.11n-HT40 MCS0	54	5270	Full		19.50		18.50		21.50		19.50		15.50		18.50	99.60
		62	5310	Full		19.30		18.50		21.50		19.30		15.50		18.50	
	802.11ac-VHT20 MCS0	52	5260	Full		19.40		18.50		21.50		19.40		15.50		18.50	99.70
		56	5280	Full		19.30		18.50		21.50		19.30		15.50		18.50	
		60	5300	Full		19.70		18.50		21.50		19.70		15.50		18.50	
		64	5320	Full		19.20		18.50		21.50		19.20		15.50		18.50	
	802.11ac-VHT40 MCS0	54	5270	Full		19.60		18.50		21.50		19.60		15.50		18.50	99.60
		62	5310	Full		19.40		18.50		21.50		19.40		15.50		18.50	
	802.11ac-VHT80 MCS0	58	5290	Full		18.90		18.50		21.50		18.90		15.50		18.50	99.20
	802.11ac-VHT160 MCS0	50	5250	Full		17.90		17.70		20.80		17.90		15.50		18.50	99.20
	802.11ax-HE20 MCS0	52	5260	Full		19.50		18.50		21.50		19.50		15.50		18.50	99.70
				26/0		10.30		10.40		13.36		10.30		10.40		13.36	
				52/37		13.40		13.40		16.41		13.40		13.40		16.41	
				106/53		16.60		16.50		19.56		16.60		15.50		18.50	
				242/61		19.50		18.50		21.50		19.50		15.50		18.50	
		56	5280	Full		19.40		18.50		21.50		19.40		15.50		18.50	
		60	5300	Full		19.80		18.50		21.50		19.80		15.50		18.50	
				26/4		11.40		11.20		14.31		11.40		11.20		14.31	
				52/39		13.10		13.10		16.11		13.10		13.10		16.11	
				106/54		16.50		16.40		19.46		16.50		15.50		18.50	
				242/61		19.70		18.50		21.50		19.70		15.50		18.50	
		64	5320	Full		19.30		18.50		21.50		19.30		15.50		18.50	
				26/8		10.30		10.10		15.76		10.30		10.10		15.76	
				52/40		12.80		12.70		15.76		12.80		12.70		15.76	
				106/54		16.20		16.20		19.21		16.20		15.50		18.50	
				242/61		19.20		18.50		21.50		19.20		15.50		18.50	
	802.11ax-HE40 MCS0	54	5270	Full		19.70		18.50		21.50		19.70		15.50		18.50	99.50
				242/61		16.80		16.50		19.66		16.80		15.50		18.50	
				484/65		19.50		18.50		21.50		19.50		15.50		18.50	
		62	5310	Full		19.50		18.50		21.50		19.50		15.50		18.50	
				242/62		16.20		16.10		19.16		16.20		15.50		18.50	
				484/65		17.70		17.40		20.56		17.70		15.50		18.50	
	802.11ax-HE80 MCS0	58	5290	Full		19.00		18.50		21.50		19.00		15.50		18.50	99.10
				484/66		16.60		16.30		19.46		16.60		15.50		18.50	
				966/67		17.40		17.30		20.36		17.40		15.50		18.50	
	802.11ax-HE160 MCS0	50	5250	Full		18.00		17.80		20.91		18.00		15.50		18.50	99.70
				996/67		15.50		15.30		18.41		15.50		15.30		18.41	
				996/567		15.00		15.00		18.01		15.00		15.00		18.01	
				1992/68		15.60		15.40		18.51		15.60		15.40		18.51	

5.5GHz WLAN					Receiver On Standalone						Receiver On Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Full	18.00	20.00	14.30	16.30	17.56	19.56	18.00	20.00	10.80	12.80	14.07	16.07	98.30
		116	5580	Full	17.90	19.90	14.22	16.22	17.52	19.52	17.90	19.90	10.74	12.74	14.02	16.02	
		132	5660	Full	17.80	19.80	14.10	16.10	17.50	19.50	17.80	19.80	10.65	12.65	14.00	16.00	
		140	5700	Full	18.20	20.20	14.00	16.00	17.53	19.53	18.20	20.20	10.62	12.62	14.05	16.05	
	802.11n-HT20 MCS0	100	5500	Full	Not Required	19.60	Not Required	16.00	Not Required	19.50	Not Required	19.60	Not Required	12.50	Not Required	16.00	99.70
		116	5580	Full		19.70		16.00		19.50		19.70		12.50		16.00	
		132	5660	Full		19.60		16.00		19.50		19.60		12.50		16.00	
		140	5700	Full		20.00		16.00		19.50		20.00		12.50		16.00	
	802.11n-HT40 MCS0	102	5510	Full		19.40		16.00		19.50		19.40		12.50		16.00	99.60
		110	5550	Full		19.40		16.00		19.50		19.40		12.50		16.00	
		134	5670	Full		19.60		16.00		19.50		19.60		12.50		16.00	
	802.11ac-VHT20 MCS0	100	5500	Full		19.70		16.00		19.50		19.70		12.50		16.00	99.70
		116	5580	Full		19.80		16.00		19.50		19.80		12.50		16.00	
		132	5660	Full		19.60		16.00		19.50		19.60		12.50		16.00	
		140	5700	Full		20.10		16.00		19.50		20.10		12.50		16.00	
	802.11ac-VHT40 MCS0	102	5510	Full		19.50		16.00		19.50		19.50		12.50		16.00	99.60
		110	5550	Full		19.50		16.00		19.50		19.50		12.50		16.00	
		134	5670	Full		19.70		16.00		19.50		19.70		12.50		16.00	
	802.11ac-VHT80 MCS0	106	5530	Full		19.50		16.00		19.50		19.50		12.50		16.00	99.20
	802.11ax-HE20 MCS0	100	5500	Full		19.80		16.00		19.50		19.80		12.50		16.00	99.70
				26/0		10.40		10.40		13.51		10.40		10.40		13.51	
				52/37		13.70		13.40		16.56		13.70		12.50		16.00	
				106/53		16.70		16.00		19.50		16.70		12.50		16.00	
				242/61		19.70		16.00		19.50		19.70		12.50		16.00	
		116	5580	Full		19.90		16.00		19.50		19.90		12.50		16.00	
				26/4		11.00		11.10		14.06		11.00		11.10		14.06	
				52/38		13.40		13.00		16.21		13.40		12.50		16.00	
				106/53		16.90		16.00		19.50		16.90		12.50		16.00	
				242/61		19.80		16.00		19.50		19.80		12.50		16.00	
		132	5660	Full		19.80		16.00		19.50		19.80		12.50		16.00	
		140	5700	Full		20.20		16.00		19.50		20.20		12.50		16.00	
				26/8		10.90		10.30		13.62		10.90		10.30		13.62	
				52/40		14.00		13.50		16.77		14.00		12.50		16.00	
				106/54		17.20		16.00		19.50		17.20		12.50		16.00	
				242/61		17.80		16.00		19.50		17.80		12.50		16.00	
	802.11ax-HE40 MCS0	102	5510	Full		19.60		16.00		19.50		19.60		12.50		16.00	99.50
				242/61		16.80		16.00		19.50		16.80		12.50		16.00	
				484/65		16.60		16.00		19.32		16.60		12.50		16.00	
		110	5550	Full		19.60		16.00		19.50		19.60		12.50		16.00	
				242/61		16.50		16.00		19.46		16.50		12.50		16.00	
				484/65		19.30		16.00		19.50		19.30		12.50		16.00	
		134	5670	Full		19.80		16.00		19.50		19.80		12.50		16.00	
				242/62		16.90		16.00		19.50		16.90		12.50		16.00	
				484/65		19.30		16.00		19.50		19.30		12.50		16.00	
	802.11ax-HE80 MCS0	106	5530	Full		19.60		16.00		19.50		19.60		12.50		16.00	99.10
				484/65		16.50		16.00		19.41		16.50		12.50		16.00	
				966/67		16.40		15.90		19.17		16.40		12.50		16.00	

5.8GHz WLAN					Receiver On Standalone						Receiver On Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	Not Required	24.40	Not Required	17.00	Not Required	20.00	Not Required	22.00	Not Required	14.00	Not Required	17.00	98.30
		157	5785	Full		22.50		17.00		20.00		22.00		14.00		17.00	
		165	5825	Full		24.40		17.00		20.00		22.00		14.00		17.00	
	802.11n-HT20 MCS0	149	5745	Full		24.40		17.00		20.00		22.00		14.00		17.00	99.70
		157	5785	Full		22.10		17.00		20.00		22.00		14.00		17.00	
		165	5825	Full		24.40		17.00		20.00		22.00		14.00		17.00	
	802.11n-HT40 MCS0	151	5755	Full		25.40		17.00		20.00		22.00		14.00		17.00	99.60
		159	5795	Full		24.10		17.00		20.00		22.00		14.00		17.00	
	802.11ac-VHT20 MCS0	149	5745	Full		24.40		17.00		20.00		22.00		14.00		17.00	99.70
		157	5785	Full		22.10		17.00		20.00		22.00		14.00		17.00	
		165	5825	Full		24.40		17.00		20.00		22.00		14.00		17.00	
	802.11ac-VHT40 MCS0	151	5755	Full		25.40		17.00		20.00		22.00		14.00		17.00	99.60
		159	5795	Full		24.10		17.00		20.00		22.00		14.00		17.00	
	802.11ac-VHT80 MCS0	155	5775	Full		24.00		17.00		20.00		22.00		14.00		17.00	99.20
	802.11ax-HE20 MCS0	149	5745	Full		24.50	15.20	17.20		20.00		22.00	12.10	14.10		17.00	99.70
				26/0		15.90	13.10	15.10		18.53		15.90	11.98	13.98		17.00	
				52/37		19.00	15.00	17.00		20.00		19.00	12.00	14.00		17.00	
				106/53		21.60	15.02	17.02		20.00		21.60	11.88	13.88		17.00	
				242		23.30	14.98	16.98		20.00		22.00	11.96	13.96		17.00	
		157	5785	Full		22.20	15.05	17.05		20.00		22.00	12.02	14.02		17.00	
				26/4		14.80	12.20	14.20		17.52		14.80	11.85	13.85		17.00	
				52/38		17.40	14.70	16.70		20.00		17.40	11.80	13.80		17.00	
				106/53		20.50	14.95	16.95		20.00		20.50	11.91	13.91		17.00	
				242		22.10	15.03	17.03		20.00		22.00	11.98	13.98		17.00	
		165	5825	Full		24.50	15.10	17.10		20.00		22.00	12.07	14.07		17.00	
				26/8		16.60	14.40	16.40		19.51		16.60	11.98	13.98		17.00	
				52/40		19.70	15.02	17.02		20.00		19.70	11.95	13.95		17.00	
				106/54		22.40	15.00	17.00		20.00		22.00	11.87	13.87		17.00	
				242		23.60	14.90	16.90		20.00		22.00	11.89	13.89		17.00	
	802.11ax-HE40 MCS0	151	5755	Full	23.50	25.50	Not Required	17.00	18.20	20.20	20.10	22.10	Not Required	14.00	15.17	17.17	99.50
				242/62	21.40	23.40		17.00	18.07	20.07	19.98	21.98		14.00	15.03	17.03	
				484	22.60	24.60		17.00	18.11	20.11	19.99	21.99		14.00	15.08	17.08	
		159	5795	Full	22.20	24.20		17.00	18.18	20.18	20.05	22.05		14.00	15.12	17.12	
				242/62	20.40	22.40		17.00	18.06	20.06	20.01	22.01		14.00	15.02	17.02	
				484	21.60	23.60		17.00	18.02	20.02	19.92	21.92		14.00	15.07	17.07	
	802.11ax-HE80 MCS0	155	5775	Full	Not Required	24.10	Not Required	17.00	Not Required	20.00	Not Required	22.00	Not Required	14.00	Not Required	17.00	99.10
				484/65		22.70		17.00		20.00		22.00		14.00		17.00	
				484/66		22.50		17.00		20.00		22.00		14.00		17.00	
				996		21.90		17.00		20.00		21.90		14.00		17.00	

2.4GHz WLAN					Hotspot On						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	20.30	22.30	21.50	23.50	21.54	23.54	98.10
		6	2437	Full	18.90	20.90	20.30	22.30	21.47	23.47	
		11	2462	Full	19.30	21.30	20.30	22.30	21.38	23.38	
	802.11g 6Mbps	1	2412	Full	Not Required	21.30	Not Required	20.50	Not Required	23.50	99.20
		6	2437	Full		23.00		23.40		23.50	
		11	2462	Full		19.20		19.70		22.47	
	802.11n-HT20 MCS0	1	2412	Full		20.90		20.00		23.45	98.90
		6	2437	Full		21.60		21.50		23.50	
		11	2462	Full		18.60		18.80		21.71	
	802.11n-HT40 MCS0	3	2422	Full		20.30		19.80		23.07	99.00
		6	2437	Full		21.60		21.20		23.50	
		9	2452	Full		19.70		19.70		22.71	
	802.11ac-VHT20 MCS0	1	2412	Full		21.00		20.00		23.50	98.90
		6	2437	Full		21.70		21.50		23.50	
		11	2462	Full		18.70		18.80		21.76	
	802.11ac-VHT40 MCS0	3	2422	Full		20.40		19.80		23.12	99.00
		6	2437	Full		21.70		21.20		23.50	
		9	2452	Full		19.80		19.70		22.76	
	802.11ax-HE20 MCS0	1	2412	Full		21.10		20.10		23.50	99.80
				26/0		9.40		11.40		13.52	
				52/37		11.70		13.50		15.70	
				106/53		15.50		16.30		18.93	
				242/61		19.60		19.40		22.51	
		6	2437	Full		21.80		21.60		23.50	
				26/4		11.80		12.10		14.96	
				52/39		14.70		15.10		17.91	
				106/53		18.00		18.00		21.01	
				242/61		21.30		20.60		23.50	
		11	2462	Full		18.80		18.90		21.86	
				26/8		8.80		9.80		12.34	
				52/40		11.80		12.00		14.91	
				106/54		14.20		14.50		17.36	
				242/61		18.70		18.50		21.61	
	802.11ax-HE40 MCS0	3	2422	Full		20.50		19.90		23.22	99.80
				242/61		18.00		17.60		20.81	
				484/65		18.10		18.70		21.42	
		6	2437	Full		21.80		21.30		23.50	
				242/61		19.30		19.30		22.31	
				484/65		21.80		21.20		23.50	
		9	2452	Full		19.90		19.80		22.86	
				242/62		17.00		16.70		19.86	
				484/65		17.80		17.80		20.81	

2.4GHz WLAN					Hotspot On						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	20.30	22.30	18.60	20.60	20.05	22.05	98.10
		6	2437	Full	18.90	20.90	18.62	20.62	20.14	22.14	
		11	2462	Full	19.30	21.30	18.55	20.55	20.00	22.00	
	802.11g 6Mbps	1	2412	Full	Not Required	21.30	Not Required	20.50	Not Required	22.00	99.20
		6	2437	Full		23.00		20.50		22.00	
		11	2462	Full		19.20		20.40		22.00	
	802.11n-HT20 MCS0	1	2412	Full		20.90		20.50		22.00	98.90
		6	2437	Full		21.60		20.50		22.00	
		11	2462	Full		18.60		19.50		22.00	
	802.11n-HT40 MCS0	3	2422	Full		20.30		20.50		22.00	99.00
		6	2437	Full		21.60		20.50		22.00	
		9	2452	Full		19.70		20.50		22.00	
	802.11ac-VHT20 MCS0	1	2412	Full		21.00		20.50		22.00	98.90
		6	2437	Full		21.70		20.50		22.00	
		11	2462	Full		18.70		19.60		22.00	
	802.11ac-VHT40 MCS0	3	2422	Full		20.40		20.50		22.00	99.00
		6	2437	Full		21.70		20.50		22.00	
		9	2452	Full		19.80		20.50		22.00	
	802.11ax-HE20 MCS0	1	2412	Full		21.10		20.50		22.00	99.80
				26/0		9.40		12.00		13.90	
				52/37		11.70		14.40		16.27	
				106/53		15.50		17.80		19.81	
				242/61		19.60		20.50		22.00	
		6	2437	Full		21.80		20.50		22.00	
				26/4		11.80		13.70		15.86	
				52/39		14.70		16.80		18.89	
				106/53		18.00		20.00		22.00	
				242/61		21.30		20.50		22.00	
		11	2462	Full		18.80		19.70		22.00	
				26/8		8.80		10.00		12.45	
				52/40		11.80		12.60		15.23	
				106/54		14.20		15.60		17.97	
				242/61		18.70		19.60		22.00	
	802.11ax-HE40 MCS0	3	2422	Full		20.50		20.50		22.00	99.80
				242/61		18.00		19.80		22.00	
				484/65		18.10		20.10		22.00	
		6	2437	Full		21.80		20.50		22.00	
				242/61		19.30		20.50		22.00	
				484/65		21.80		20.50		22.00	
		9	2452	Full		19.90		20.50		22.00	
				242/62		17.00		17.70		20.37	
				484/65		17.80		18.60		21.23	

5.2GHz WLAN					Hotspot on						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Full	18.30	20.30	18.00	20.00	21.16	23.16	98.30
		40	5200	Full	18.20	20.20	18.00	20.00	21.11	23.11	
		44	5220	Full	18.10	20.10	17.90	19.90	21.01	23.01	
		48	5240	Full	17.80	19.80	17.90	19.90	20.86	22.86	
	802.11n-HT20 MCS0	36	5180	Full	Not Required	19.60	Not Required	19.30	Not Required	22.46	99.70
		40	5200	Full		19.50		19.30		22.41	
		44	5220	Full		20.00		19.80		22.91	
		48	5240	Full		19.20		19.20		22.21	
	802.11n-HT40 MCS0	38	5190	Full		19.60		19.20		22.41	99.60
		46	5230	Full		19.60		19.30		22.46	
	802.11ac-VHT20 MCS0	36	5180	Full		19.70		19.40		22.56	99.70
		40	5200	Full		19.60		19.40		22.51	
		44	5220	Full		20.10		19.90		23.01	
		48	5240	Full		19.30		19.30		22.31	
	802.11ac-VHT40 MCS0	38	5190	Full		19.70		19.30		22.51	99.60
		46	5230	Full		19.70		19.40		22.56	
	802.11ac-VHT80 MCS0	42	5210	Full		19.10		18.70		18.70	99.20
	802.11ax-HE20 MCS0	36	5180	Full		19.80		19.50		22.66	99.70
				26/0		10.40		10.00		13.21	
				52/37		13.50		13.10		16.31	
				106/53		16.80		16.10		19.47	
				242/61		19.30		18.60		21.97	
		40	5200	Full		19.70		19.50		22.61	
		44	5220	Full		20.20		20.00		23.11	
				26/4		11.80		11.10		14.47	
				52/39		13.70		13.50		16.61	
				106/53		17.10		16.60		19.87	
				242/61		20.10		19.90		23.01	
		48	5240	Full		19.40		19.40		22.41	
				26/8		9.90		9.70		12.81	
				52/40		12.80		12.90		15.86	
				106/54		16.20		16.10		19.16	
				242/61		19.40		19.30		22.36	
	802.11ax-HE40 MCS0	38	5190	Full		19.80		19.40		22.61	99.50
				242/61		16.90		16.30		19.62	
				484/65		17.70		17.10		20.42	
		46	5230	Full		19.80		19.50		22.66	
				242/61		16.60		16.20		19.41	
				484/65		19.60		19.30		22.46	
	802.11ax-HE80 MCS0	42	5210	Full		19.20		18.80		22.01	99.10
				484/65		17.00		16.40		19.72	
				966/67		17.70		17.00		20.37	

5.2GHz WLAN					Hotspot on						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Full	18.30	20.30	10.50	12.50	17.40	19.40	98.30
		40	5200	Full	18.20	20.20	10.53	12.53	17.45	19.45	
		44	5220	Full	18.40	20.40	10.55	12.55	17.55	19.55	
		48	5240	Full	17.90	19.90	10.60	12.60	17.30	19.30	
	802.11n-HT20 MCS0	36	5180	Full	Not Required	19.60	Not Required	12.50	Not Required	19.50	99.70
		40	5200	Full		19.50		12.50		19.50	
		44	5220	Full		20.00		12.50		19.50	
		48	5240	Full		19.20		12.50		19.50	
	802.11n-HT40 MCS0	38	5190	Full		19.60		12.50		19.50	99.60
		46	5230	Full		19.60		12.50		19.50	
	802.11ac-VHT20 MCS0	36	5180	Full		19.70		12.50		19.50	99.70
		40	5200	Full		19.60		12.50		19.50	
		44	5220	Full		20.10		12.50		19.50	
		48	5240	Full		19.30		12.50		19.50	
	802.11ac-VHT40 MCS0	38	5190	Full		19.70		12.50		19.50	99.60
		46	5230	Full		19.70		12.50		19.50	
	802.11ac-VHT80 MCS0	42	5210	Full		19.10		12.50		19.50	99.20
	802.11ax-HE20 MCS0	36	5180	Full		19.80		12.50		19.50	99.70
				26/0		10.40		8.10		12.41	
				52/37		13.50		11.20		15.51	
				106/53		16.80		12.50		18.70	
				242/61		19.30		12.50		19.50	
		40	5200	Full		19.70		12.50		19.50	
		44	5220	Full		20.20		12.50		19.50	
				26/4		11.80		9.60		13.85	
				52/39		13.70		11.60		15.79	
				106/53		17.10		12.50		18.93	
				242/61		20.10		12.50		19.50	
		48	5240	Full		19.40		12.50		19.50	
				26/8		9.90		8.30		12.18	
				52/40		12.80		11.40		15.17	
				106/54		16.20		12.50		18.44	
				242/61		19.40		12.50		19.50	
	802.11ax-HE40 MCS0	38	5190	Full		19.80		12.50		19.50	99.50
				242/61		16.90		12.50		18.66	
				484/65		17.70		12.50		19.50	
		46	5230	Full		19.80		12.50		19.50	
				242/61		16.60		12.50		18.57	
				484/65		19.60		12.50		19.50	
	802.11ax-HE80 MCS0	42	5210	Full		19.20		12.50		19.50	99.10
				484/65		17.00		12.50		18.83	
				966/67		17.70		12.50		19.50	

5.8GHz WLAN					Hotspot on						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	Not Required	17.50	Not Required	21.00	Not Required	20.00	98.30
		157	5785	Full		17.50		21.00		20.00	
		165	5825	Full		17.50		21.00		20.00	
	802.11n-HT20 MCS0	149	5745	Full		17.50		21.00		20.00	99.70
		157	5785	Full		17.50		21.00		20.00	
		165	5825	Full		17.50		21.00		20.00	
	802.11n-HT40 MCS0	151	5755	Full		17.50		21.00		20.00	99.60
		159	5795	Full		17.50		21.00		20.00	
	802.11ac-VHT20 MCS0	149	5745	Full		17.50		21.00		20.00	99.70
		157	5785	Full		17.50		21.00		20.00	
		165	5825	Full		17.50		21.00		20.00	
	802.11ac-VHT40 MCS0	151	5755	Full		17.50		21.00		20.00	99.60
		159	5795	Full		17.50		21.00		20.00	
	802.11ac-VHT80 MCS0	155	5775	Full		17.50		21.00		20.00	99.20
	802.11ax-HE20 MCS0	149	5745	Full		17.50	19.10	21.10		20.00	99.70
				26/0		15.90	13.10	15.10		18.53	
				52/37		17.50	16.00	18.00		20.00	
				106/53		17.50	18.80	20.80		20.00	
				242		17.50	19.01	21.01		20.00	
		157	5785	Full		17.50	18.90	20.90		20.00	
				26/4		14.80	12.20	14.20		17.52	
				52/38		17.40	14.70	16.70		20.00	
				106/53		17.50	17.90	19.90		20.00	
				242		17.50	19.00	21.00		20.00	
		165	5825	Full		17.50	19.04	21.04		20.00	
				26/8		16.60	14.40	16.40		19.51	
				52/40		17.50	17.60	19.60		20.00	
				106/54		17.50	18.85	20.85		20.00	
				242		17.50	18.88	20.88		20.00	
	802.11ax-HE40 MCS0	151	5755	Full	15.55	17.55	Not Required	21.00	18.22	20.22	99.50
				242/62	15.30	17.30		21.00	18.15	20.15	
				484	15.50	17.50		21.00	18.18	20.18	
		159	5795	Full	15.52	17.52		21.00	18.20	20.20	
				242/62	15.50	17.50		21.00	18.13	20.13	
				484	15.60	17.50		21.00	18.11	20.11	
	802.11ax-HE80 MCS0	155	5775	Full	Not Required	17.50	Not Required	21.00	Not Required	20.00	99.10
				484/65		17.50		21.00		20.00	
				484/66		17.50		21.00		20.00	
				996		17.50		21.00		20.00	

5.8GHz WLAN					Hotspot on						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	Not Required	17.50	Not Required	17.50	Not Required	19.50	98.30
		157	5785	Full		17.50		17.50		19.50	
		165	5825	Full		17.50		17.50		19.50	
	802.11n-HT20 MCS0	149	5745	Full		17.50		17.50		19.50	99.70
		157	5785	Full		17.50		17.50		19.50	
		165	5825	Full		17.50		17.50		19.50	
	802.11n-HT40 MCS0	151	5755	Full		17.50		17.50		19.50	99.60
		159	5795	Full		17.50		17.50		19.50	
	802.11ac-VHT20 MCS0	149	5745	Full		17.50		17.50		19.50	99.70
		157	5785	Full		17.50		17.50		19.50	
		165	5825	Full		17.50		17.50		19.50	
	802.11ac-VHT40 MCS0	151	5755	Full		17.50		17.50		19.50	99.60
		159	5795	Full		17.50		17.50		19.50	
	802.11ac-VHT80 MCS0	155	5775	Full		17.50		17.50		19.50	99.20
	802.11ax-HE20 MCS0	149	5745	Full		17.50	15.65	17.65		19.50	99.70
				26/0		15.90	11.40	13.40		17.84	
				52/37		17.50	14.20	16.20		19.50	
				106/53		17.50	15.40	17.40		19.50	
				242		17.50	15.52	17.52		19.50	
		157	5785	Full		17.50	15.55	17.55		19.50	
				26/4		14.80	10.20	12.20		16.70	
				52/38		17.40	12.60	14.60		19.23	
				106/53		17.50	15.52	17.52		19.50	
				242		17.50	15.45	17.45		19.50	
		165	5825	Full		17.50	15.62	17.62		19.50	
				26/8		16.60	12.30	14.30		19.50	
				52/40		17.50	15.40	17.40		19.50	
				106/54		17.50	15.52	17.52		19.50	
				242		17.50	15.47	17.47		19.50	
	802.11ax-HE40 MCS0	151	5755	Full	15.55	17.55	Not Required	17.50	17.55	19.55	99.50
				242/62	15.30	17.30		17.50	17.47	19.47	
				484	15.50	17.50		17.50	17.45	19.45	
		159	5795	Full	15.52	17.52		17.50	17.52	19.52	
				242/62	15.50	17.50		17.50	17.46	19.46	
				484	15.60	17.50		17.50	17.44	19.44	
	802.11ax-HE80 MCS0	155	5775	Full	Not Required	17.50	Not Required	17.50	Not Required	19.50	99.10
				484/65		17.50		17.50		19.50	
				484/66		17.50		17.50		19.50	
				996		17.50		17.50		19.50	

2.4GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	**20.30**	**22.30**	**21.50**	**23.50**	**23.95**	**25.95**	**20.30**	**22.30**	**21.50**	**23.50**	**23.95**	**25.95**	98.10
		6	2437	Full	**18.90**	**20.90**	**20.30**	**22.30**	**22.67**	**24.67**	**18.90**	**20.90**	**20.30**	**22.30**	**22.67**	**24.67**	
		11	2462	Full	**19.30**	**21.30**	**20.30**	**22.30**	**22.84**	**24.84**	**19.30**	**21.30**	**20.30**	**22.30**	**22.84**	**24.84**	
	802.11g 6Mbps	1	2412	Full	Not Required	21.30	Not Required	20.50	Not Required	23.93	Not Required	21.30	Not Required	20.50	Not Required	23.93	99.20
		6	2437	Full		23.00		23.40		26.21		23.00		23.40		26.21	
		11	2462	Full		19.20		19.70		22.47		19.20		19.70		22.47	
	802.11n-HT20 MCS0	1	2412	Full		20.90		20.00		23.48		20.90		20.00		23.48	98.90
		6	2437	Full		21.60		21.50		24.56		21.60		21.50		24.56	
		11	2462	Full		18.60		18.80		21.71		18.60		18.80		21.71	
	802.11n-HT40 MCS0	3	2422	Full		20.30		19.80		23.07		20.30		19.80		23.07	99.00
		6	2437	Full		21.60		21.20		24.41		21.60		21.20		24.41	
		9	2452	Full		19.70		19.70		22.71		19.70		19.70		22.71	
	802.11ac-VHT20 MCS0	1	2412	Full		21.00		20.00		23.54		21.00		20.00		23.54	98.90
		6	2437	Full		21.70		21.50		24.61		21.70		21.50		24.61	
		11	2462	Full		18.70		18.80		21.76		18.70		18.80		21.76	
	802.11ac-VHT40 MCS0	3	2422	Full		20.40		19.80		23.12		20.40		19.80		23.12	99.00
		6	2437	Full		21.70		21.20		24.47		21.70		21.20		24.47	
		9	2452	Full		19.80		19.70		22.76		19.80		19.70		22.76	
	802.11ax-HE20 MCS0	1	2412	Full		21.10		20.10		23.64		21.10		20.10		23.64	99.80
				26/0		9.40		11.40		13.52		9.40		11.40		13.52	
				52/37		11.70		13.50		15.70		11.70		13.50		15.70	
				106/53		15.50		16.30		18.93		15.50		16.30		18.93	
				242/61		19.60		19.40		22.51		19.60		19.40		22.51	
		6	2437	Full		21.80		21.60		24.71		21.80		21.60		24.71	
				26/4		11.80		12.10		14.96		11.80		12.10		14.96	
				52/39		14.70		15.10		17.91		14.70		15.10		17.91	
				106/53		18.00		18.00		21.01		18.00		18.00		21.01	
				242/61		21.30		20.60		23.97		21.30		20.60		23.97	
		11	2462	Full		18.80		18.90		21.86		18.80		18.90		21.86	
				26/8		8.80		9.80		12.34		8.80		9.80		12.34	
				52/40		11.80		12.00		14.91		11.80		12.00		14.91	
				106/54		14.20		14.50		17.36		14.20		14.50		17.36	
				242/61		18.70		18.50		21.61		18.70		18.50		21.61	
	802.11ax-HE40 MCS0	3	2422	Full		20.50		19.90		23.22		20.50		19.90		23.22	99.80
				242/61		18.00		17.60		20.81		18.00		17.60		20.81	
				484/65		18.10		18.70		21.42		18.10		18.70		21.42	
		6	2437	Full		21.80		21.30		24.57		21.80		21.30		24.57	
				242/61		19.30		19.30		22.31		19.30		19.30		22.31	
				484/65		21.80		21.20		24.52		21.80		21.20		24.52	
		9	2452	Full		19.90		19.80		22.86		19.90		19.80		22.86	
				242/62		17.00		16.70		19.86		17.00		16.70		19.86	
				484/65		17.80		17.80		20.81		17.80		17.80		20.81	

5.2GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.2GHz WLAN	802.11a 6Mbps	36	5180	Full	18.30	20.30	18.00	20.00	21.16	23.16	18.30	20.30	18.00	20.00	21.16	23.16	98.30
		40	5200	Full	18.20	20.20	18.00	20.00	21.11	23.11	18.20	20.20	18.00	20.00	21.11	23.11	
		44	5220	Full	18.10	20.10	17.90	19.90	21.01	23.01	18.10	20.10	17.90	19.90	21.01	23.01	
		48	5240	Full	17.80	19.80	17.90	19.90	20.86	22.86	17.80	19.80	17.90	19.90	20.86	22.86	
	802.11n-HT20 MCS0	36	5180	Full	Not Required	19.60	Not Required	19.30	Not Required	22.46	Not Required	19.60	Not Required	19.30	Not Required	22.46	99.70
		40	5200	Full		19.50		19.30		22.41		19.50		19.30		22.41	
		44	5220	Full		20.00		19.80		22.91		20.00		19.80		22.91	
		48	5240	Full		19.20		19.20		22.21		19.20		19.20		22.21	
	802.11n-HT40 MCS0	38	5190	Full		19.60		19.20		22.41		19.60		19.20		22.41	99.60
		46	5230	Full		19.60		19.30		22.46		19.60		19.30		22.46	
	802.11ac-VHT20 MCS0	36	5180	Full		19.70		19.40		22.56		19.70		19.40		22.56	99.70
		40	5200	Full		19.60		19.40		22.51		19.60		19.40		22.51	
		44	5220	Full		20.10		19.90		23.01		20.10		19.90		23.01	
		48	5240	Full		19.30		19.30		22.31		19.30		19.30		22.31	
	802.11ac-VHT40 MCS0	38	5190	Full		19.70		19.30		22.51		19.70		19.30		22.51	99.60
		46	5230	Full		19.70		19.40		22.56		19.70		19.40		22.56	
	802.11ac-VHT80 MCS0	42	5210	Full		19.10		18.70		18.70		19.10		18.70		18.70	99.20
	802.11ax-HE20 MCS0	36	5180	Full		19.80		19.50		22.66		19.80		19.50		22.66	99.70
				26/0		10.40		10.00		13.21		10.40		10.00		13.21	
				52/37		13.50		13.10		16.31		13.50		13.10		16.31	
				106/53		16.80		16.10		19.47		16.80		16.10		19.47	
				242/61		19.30		18.60		21.97		19.30		18.60		21.97	
		40	5200	Full		19.70		19.50		22.61		19.70		19.50		22.61	
		44	5220	Full		20.20		20.00		23.11		20.20		20.00		23.11	
				26/4		11.80		11.10		14.47		11.80		11.10		14.47	
				52/39		13.70		13.50		16.61		13.70		13.50		16.61	
				106/53		17.10		16.60		19.87		17.10		16.60		19.87	
				242/61		20.10		19.90		23.01		20.10		19.90		23.01	
		48	5240	Full		19.40		19.40		22.41		19.40		19.40		22.41	
				26/8		9.90		9.70		12.81		9.90		9.70		12.81	
				52/40		12.80		12.90		15.86		12.80		12.90		15.86	
				106/54		16.20		16.10		19.16		16.20		16.10		19.16	
				242/61		19.40		19.30		22.36		19.40		19.30		22.36	
	802.11ax-HE40 MCS0	38	5190	Full		19.80		19.40		22.61		19.80		19.40		22.61	99.50
				242/61		16.90		16.30		19.62		16.90		16.30		19.62	
				484/65		17.70		17.10		20.42		17.70		17.10		20.42	
		46	5230	Full		19.80		19.50		22.66		19.80		19.50		22.66	
				242/61		16.60		16.20		19.41		16.60		16.20		19.41	
				484/65		19.60		19.30		22.46		19.60		19.30		22.46	
	802.11ax-HE80 MCS0	42	5210	Full		19.20		18.80		22.01		19.20		18.80		22.01	99.10
				484/65		17.00		16.40		19.72		17.00		16.40		19.72	
				996/67		17.70		17.00		20.37		17.70		17.00		20.37	

5.3GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Full	18.30	20.30	18.10	20.10	21.21	23.21	18.30	20.30	18.10	20.10	21.21	23.21	98.30
		56	5280	Full	18.20	20.20	18.10	20.10	21.16	23.16	18.20	20.20	18.10	20.10	21.16	23.16	
		60	5300	Full	17.80	19.80	17.70	19.70	20.76	22.76	17.80	19.80	17.70	19.70	20.76	22.76	
		64	5320	Full	17.60	19.60	17.50	19.50	20.56	22.56	17.60	19.60	17.50	19.50	20.56	22.56	
	802.11n-HT20 MCS0	52	5260	Full	Not Required	19.30	Not Required	19.60	Not Required	22.46	Not Required	19.30	Not Required	19.60	Not Required	22.46	99.70
		56	5280	Full		19.20		19.60		22.41		19.20		19.60		22.41	
		60	5300	Full		19.60		19.40		22.51		19.60		19.40		22.51	
		64	5320	Full		19.10		19.00		22.06		19.10		19.00		22.06	
	802.11n-HT40 MCS0	54	5270	Full		19.50		19.50		22.51		19.50		19.50		22.51	99.60
		62	5310	Full		19.30		19.10		22.21		19.30		19.10		22.21	
	802.11ac-VHT20 MCS0	52	5260	Full		19.40		19.70		22.56		19.40		19.70		22.56	99.70
		56	5280	Full		19.30		19.70		22.51		19.30		19.70		22.51	
		60	5300	Full		19.70		19.50		22.61		19.70		19.50		22.61	
		64	5320	Full		19.20		19.10		22.16		19.20		19.10		22.16	
	802.11ac-VHT40 MCS0	54	5270	Full		19.60		19.60		22.61		19.60		19.60		22.61	99.60
		62	5310	Full		19.40		19.20		22.31		19.40		19.20		22.31	
	802.11ac-VHT80 MCS0	58	5290	Full		18.90		19.00		21.96		18.90		19.00		21.96	99.20
	802.11ac-VHT160 MCS0	50	5250	Full		17.90		17.70		20.80		17.90		17.70		20.80	99.20
	802.11ax-HE20 MCS0	52	5260	Full		19.50		19.80		22.66		19.50		19.80		22.66	99.70
				26/0		10.30		10.40		13.36		10.30		10.40		13.36	
				52/37		13.40		13.40		16.41		13.40		13.40		16.41	
				106/53		16.50		16.50		19.56		16.50		16.50		19.56	
				242/61		19.50		19.70		22.61		19.50		19.70		22.61	
		56	5280	Full		19.40		19.80		22.61		19.40		19.80		22.61	
		60	5300	Full		19.80		19.60		22.71		19.80		19.60		22.71	
				26/4		11.40		11.20		14.31		11.40		11.20		14.31	
				52/39		13.10		13.10		16.11		13.10		13.10		16.11	
				106/54		16.50		16.40		19.46		16.50		16.40		19.46	
				242/61		19.70		19.50		22.61		19.70		19.50		22.61	
		64	5320	Full		19.30		19.20		22.26		19.30		19.20		22.26	
				26/8		10.30		10.10		15.76		10.30		10.10		15.76	
				52/40		12.80		12.70		15.76		12.80		12.70		15.76	
				106/54		16.20		16.20		19.21		16.20		16.20		19.21	
				242/61		19.20		19.10		22.16		19.20		19.10		22.16	
	802.11ax-HE40 MCS0	54	5270	Full		19.70		19.70		22.71		19.70		19.70		22.71	99.50
				242/61		16.80		16.50		19.66		16.80		16.50		19.66	
				484/65		19.50		19.60		22.56		19.50		19.60		22.56	
		62	5310	Full		19.50		19.30		22.41		19.50		19.30		22.41	
				242/62		16.20		16.10		19.16		16.20		16.10		19.16	
				484/65		17.70		17.40		20.56		17.70		17.40		20.56	
	802.11ax-HE80 MCS0	58	5290	Full		19.00		19.10		22.06		19.00		19.10		22.06	99.10
				484/66		16.60		16.30		19.46		16.60		16.30		19.46	
				966/67		17.40		17.30		20.36		17.40		17.30		20.36	
	802.11ax-HE160 MCS0	50	5250	Full		18.00		17.80		20.91		18.00		17.80		20.91	99.70
				996/67		15.50		15.30		18.41		15.50		15.30		18.41	
				996/567		15.00		15.00		18.01		15.00		15.00		18.01	
				1992/68		15.60		15.40		18.51		15.60		15.40		18.51	

5.5GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Full	17.13	19.13	17.80	19.80	20.91	22.91	17.13	19.13	17.80	19.80	20.91	22.91	98.30
		116	5580	Full	17.08	19.08	17.60	19.60	20.76	22.76	17.08	19.08	17.60	19.60	20.76	22.76	
		132	5660	Full	17.10	19.10	17.60	19.60	20.71	22.71	17.10	19.10	17.60	19.60	20.71	22.71	
		140	5700	Full	17.15	19.15	17.30	19.30	20.78	22.78	17.15	19.15	17.30	19.30	20.78	22.78	
	802.11n-HT20 MCS0	100	5500	Full	Not Required	19.00	Not Required	19.40	Not Required	22.51	Not Required	19.00	Not Required	19.40	Not Required	22.51	99.70
		116	5580	Full		19.00		19.60		22.66		19.00		19.60		22.66	
		132	5660	Full		19.00		19.60		22.61		19.00		19.60		22.61	
		140	5700	Full		19.00		19.10		22.58		19.00		19.10		22.58	
	802.11n-HT40 MCS0	102	5510	Full		19.00		19.10		22.26		19.00		19.10		22.26	99.60
		110	5550	Full		19.00		19.00		22.21		19.00		19.00		22.21	
		134	5670	Full		19.00		19.20		22.41		19.00		19.20		22.41	
	802.11ac-VHT20 MCS0	100	5500	Full		19.00		19.50		22.61		19.00		19.50		22.61	99.70
		116	5580	Full		19.00		19.70		22.76		19.00		19.70		22.76	
		132	5660	Full		19.00		19.60		22.61		19.00		19.60		22.61	
		140	5700	Full		19.00		19.20		22.68		19.00		19.20		22.68	
	802.11ac-VHT40 MCS0	102	5510	Full		19.00		19.20		22.36		19.00		19.20		22.36	99.60
		110	5550	Full		19.00		19.10		22.31		19.00		19.10		22.31	
		134	5670	Full		19.00		19.30		22.51		19.00		19.30		22.51	
	802.11ac-VHT80 MCS0	106	5530	Full		19.00		19.20		22.36		19.00		19.20		22.36	99.20
	802.11ax-HE20 MCS0	100	5500	Full		19.00		19.60		22.71		19.00		19.60		22.71	99.70
				26/0		10.40		10.40		13.51		10.40		10.40		13.51	
				52/37		13.70		13.40		16.56		13.70		13.40		16.56	
				106/53		16.70		16.50		19.61		16.70		16.50		19.61	
				242/61		19.00		19.50		22.61		19.00		19.50		22.61	
		116	5580	Full		19.00		19.80		22.86		19.00		19.80		22.86	
				26/4		11.00		11.10		14.06		11.00		11.10		14.06	
				52/38		13.40		13.00		16.21		13.40		13.00		16.21	
				106/53		16.90		16.60		19.76		16.90		16.60		19.76	
				242/61		19.00		19.70		22.76		19.00		19.70		22.76	
		132	5660	Full		19.00		19.50		22.81		19.00		19.50		22.81	
		140	5700	Full		19.00		19.30		22.78		19.00		19.30		22.78	
				26/8		10.90		10.30		13.62		10.90		10.30		13.62	
				52/40		14.00		13.50		16.77		14.00		13.50		16.77	
				106/54		17.20		16.40		19.83		17.20		16.40		19.83	
				242/61		17.80		17.00		20.43		17.80		17.00		20.43	
	802.11ax-HE40 MCS0	102	5510	Full		19.00		19.30		22.46		19.00		19.30		22.46	99.50
				242/61		16.80		16.40		19.61		16.80		16.40		19.61	
				484/65		16.60		16.00		19.32		16.60		16.00		19.32	
		110	5550	Full		19.00		19.20		22.41		19.00		19.20		22.41	
				242/61		16.50		16.40		19.46		16.50		16.40		19.46	
				484/65		19.00		18.90		22.11		19.00		18.90		22.11	
		134	5670	Full		19.00		19.40		22.61		19.00		19.40		22.61	
				242/62		16.90		16.30		19.62		16.90		16.30		19.62	
				484/65		19.00		19.00		22.16		19.00		19.00		22.16	
	802.11ax-HE80 MCS0	106	5530	Full		19.00		19.30		22.46		19.00		19.30		22.46	99.10
				484/65		16.50		16.30		19.41		16.50		16.30		19.41	
				966/67		16.40		15.90		19.17		16.40		15.90		19.17	

5.8GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 4		Ant 4+5		Ant 5		Ant 4		Ant 4+5		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	Not Required	20.00	Not Required	24.90	Not Required	22.50	Not Required	20.00	Not Required	22.00	Not Required	22.50	98.30
		157	5785	Full		20.00		21.90		22.50		20.00		21.90		22.50	
		165	5825	Full		20.00		24.10		22.50		20.00		22.00		22.50	
	802.11n-HT20 MCS0	149	5745	Full		20.00		25.00		22.50		20.00		22.00		22.50	99.70
		157	5785	Full		20.00		21.60		22.50		20.00		21.60		22.50	
		165	5825	Full		20.00		24.00		22.50		20.00		22.00		22.50	
	802.11n-HT40 MCS0	151	5755	Full		20.00		24.80		22.50		20.00		22.00		22.50	99.60
		159	5795	Full		20.00		23.90		22.50		20.00		22.00		22.50	
	802.11ac-VHT20 MCS0	149	5745	Full		20.00		25.00		22.50		20.00		22.00		22.50	99.70
		157	5785	Full		20.00		21.60		22.50		20.00		21.60		22.50	
		165	5825	Full		20.00		24.00		22.50		20.00		22.00		22.50	
	802.11ac-VHT40 MCS0	151	5755	Full		20.00		24.80		22.50		20.00		22.00		22.50	99.60
		159	5795	Full		20.00		23.90		22.50		20.00		22.00		22.50	
	802.11ac-VHT80 MCS0	155	5775	Full		20.00		24.70		22.50		20.00		22.00		22.50	99.20
	802.11ax-HE20 MCS0	149	5745	Full		20.00	23.10	25.10		22.50		20.00	20.10	22.10		22.50	99.70
				26/0		15.90	13.10	15.10		18.53		15.90	13.10	15.10		18.53	
				52/37		19.00	16.00	18.00		21.54		19.00	16.00	18.00		21.54	
				106/53		20.00	18.80	20.80		22.50		20.00	18.80	20.80		22.50	
				242		20.00	20.60	22.60		22.50		20.00	19.90	21.90		22.50	
		157	5785	Full		20.00	19.70	21.70		22.50		20.00	19.70	21.70		22.50	
				26/4		14.80	12.20	14.20		17.52		14.80	12.20	14.20		17.52	
				52/38		17.40	14.70	16.70		20.07		17.40	14.70	16.70		20.07	
				106/53		20.00	17.90	19.90		22.50		20.00	17.90	19.90		22.50	
				242		20.00	19.60	21.60		22.50		20.00	19.60	21.60		22.50	
		165	5825	Full		20.00	22.10	24.10		22.50		20.00	20.00	22.00		22.50	
				26/8		16.60	14.40	16.40		19.51		16.60	14.40	16.40		19.51	
				52/40		19.70	17.60	19.60		22.50		19.70	17.60	19.60		22.50	
				106/54		20.00	20.20	22.20		22.50		20.00	19.80	21.80		22.50	
				242		20.00	21.40	23.40		22.50		20.00	19.90	21.90		22.50	
	802.11ax-HE40 MCS0	151	5755	Full		18.11	20.11	24.90	20.70	22.70		18.11	20.11	22.00	20.70	22.70	99.50
				242/62		18.02	20.02	23.00	20.55	22.55		18.02	20.02	22.00	20.55	22.55	
				484		18.00	20.00	24.40	20.52	22.52		18.00	20.00	22.00	20.52	22.52	
		159	5795	Full		18.02	20.02	24.00	20.63	22.63		18.02	20.02	22.00	20.63	22.63	
				242/62		18.04	20.04	22.60	20.51	22.51		18.04	20.04	22.00	20.51	22.51	
				484		18.01	20.01	23.50	20.40	22.40		18.01	20.01	22.00	20.40	22.40	
	802.11ax-HE80 MCS0	155	5775	Full		20.00		24.80		22.50		20.00		22.00		22.50	99.10
				484/65		20.00		22.20		22.50		20.00		22.00		22.50	
				484/66		20.00		22.10		22.50		20.00		22.00		22.50	
				996		20.00		21.50		22.50		20.00		21.50		22.50	

2.4GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
2.4GHz WLAN	802.11b 1Mbps	1	2412	Full	20.30	22.30	21.70	23.70	23.12	25.12	20.30	22.30	16.55	18.55	18.01	20.01	98.10
		6	2437	Full	18.90	20.90	21.71	23.71	23.15	25.15	18.90	20.90	16.60	18.60	18.10	20.10	
		11	2462	Full	19.30	21.30	21.50	23.50	23.10	25.10	19.30	21.30	16.56	18.56	18.00	20.00	
	802.11g 6Mbps	1	2412	Full	Not Required	21.30	Not Required	21.60	Not Required	24.46	Not Required	21.30	Not Required	18.50	Not Required	20.00	99.20
		6	2437	Full		23.00		23.50		25.00		23.00		18.50		20.00	
		11	2462	Full		19.20		20.40		22.85		19.20		18.50		20.00	
	802.11n-HT20 MCS0	1	2412	Full		20.90		22.20		24.61		20.90		18.50		20.00	98.90
		6	2437	Full		21.60		23.60		25.00		21.60		18.50		20.00	
		11	2462	Full		18.60		19.50		22.08		18.60		18.50		20.00	
	802.11n-HT40 MCS0	3	2422	Full		20.30		21.80		24.12		20.30		18.50		20.00	99.00
		6	2437	Full		21.60		23.60		25.00		21.60		18.50		20.00	
		9	2452	Full		19.70		20.70		23.24		19.70		18.50		20.00	
	802.11ac-VHT20 MCS0	1	2412	Full		21.00		22.30		24.71		21.00		18.50		20.00	98.90
		6	2437	Full		21.70		23.70		25.00		21.70		18.50		20.00	
		11	2462	Full		18.70		19.60		22.18		18.70		18.50		20.00	
	802.11ac-VHT40 MCS0	3	2422	Full		20.40		21.90		24.22		20.40		18.50		20.00	99.00
		6	2437	Full		21.70		23.70		25.00		21.70		18.50		20.00	
		9	2452	Full		19.80		20.80		23.34		19.80		18.50		20.00	
	802.11ax-HE20 MCS0	1	2412	Full		21.10		22.40		24.81		21.10		18.50		20.00	99.80
				26/0		9.40		12.00		13.90		9.40		12.00		13.90	
				52/37		11.70		14.40		16.27		11.70		14.40		16.27	
				106/53		15.50		17.80		19.81		15.50		17.80		19.81	
				242/61		19.60		21.20		23.40		19.60		18.50		20.00	
		6	2437	Full		21.80		23.50		25.00		21.80		18.50		20.00	
				26/4		11.80		13.70		15.86		11.80		13.70		15.86	
				52/39		14.70		16.80		18.89		14.70		16.80		18.89	
				106/53		18.00		20.00		22.12		18.00		18.50		20.00	
				242/61		21.30		22.70		25.07		21.30		18.50		20.00	
		11	2462	Full		18.80		19.70		22.28		18.80		18.50		20.00	
				26/8		8.80		10.00		12.45		8.80		10.00		12.45	
				52/40		11.80		12.60		15.23		11.80		12.60		15.23	
				106/54		14.20		15.60		17.97		14.20		15.60		17.97	
				242/61		18.70		19.60		22.18		18.70		18.50		20.00	
	802.11ax-HE40 MCS0	3	2422	Full		20.50		22.00		24.32		20.50		18.50		20.00	99.80
				242/61		18.00		19.80		22.00		18.00		18.50		20.00	
				484/65		18.10		20.10		22.22		18.10		18.50		20.00	
		6	2437	Full		21.80		23.50		25.00		21.80		18.50		20.00	
				242/61		19.30		21.30		23.42		19.30		18.50		20.00	
				484/65		21.80		23.60		25.00		21.80		18.50		20.00	
		9	2452	Full		19.90		20.90		23.44		19.90		18.50		20.00	
				242/62		17.00		17.70		20.37		17.00		17.70		20.00	
				484/65		17.80		18.60		21.23		17.80		18.50		20.00	

5.2GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
	802.11a 6Mbps	36	5180	Full	18.30	20.30	16.30	18.30	20.42	22.42	18.30	20.30	16.30	18.30	19.00	21.00	98.30
		40	5200	Full	18.20	20.20	16.40	18.40	20.40	22.40	18.20	20.20	16.40	18.40	18.95	20.95	
		44	5220	Full	18.10	20.10	16.30	18.30	20.49	22.49	18.10	20.10	16.30	18.30	19.05	21.05	
		48	5240	Full	17.80	19.80	16.50	18.50	20.27	22.27	17.80	19.80	16.50	18.50	18.82	20.82	
	802.11n-HT20 MCS0	36	5180	Full	Not Required	19.60	Not Required	17.90	Not Required	21.84	Not Required	19.60	Not Required	17.90	Not Required	21.00	99.70
		40	5200	Full		19.50		17.90		21.81		19.50		17.90		21.00	
		44	5220	Full		20.00		18.00		22.12		20.00		18.00		21.00	
		48	5240	Full		19.20		17.60		21.48		19.20		17.60		21.00	
	802.11n-HT40 MCS0	38	5190	Full		19.60		17.80		21.80		19.60		17.80		21.00	99.60
		46	5230	Full		19.60		17.60		21.72		19.60		17.60		21.00	
	802.11ac-VHT20 MCS0	36	5180	Full		19.70		17.90		21.90		19.70		17.90		21.00	99.70
		40	5200	Full		19.60		17.90		21.85		19.60		17.90		21.00	
		44	5220	Full		20.10		18.00		22.19		20.10		18.00		21.00	
		48	5240	Full		19.30		17.60		21.54		19.30		17.60		21.00	
	802.11ac-VHT40 MCS0	38	5190	Full		19.70		17.80		21.86		19.70		17.80		21.00	99.60
		46	5230	Full		19.70		17.60		21.79		19.70		17.60		21.00	
	802.11ac-VHT80 MCS0	42	5210	Full		19.10		17.10		21.22		19.10		17.10		21.00	99.20
	802.11ax-HE20 MCS0	36	5180	Full		19.80		18.00		22.00		19.80		18.00		21.00	99.70
				26/0		10.40		8.10		12.41		10.40		8.10		12.41	
				52/37		13.50		11.20		15.51		13.50		11.20		15.51	
				106/53		16.80		14.20		18.70		16.80		14.20		18.70	
				242/61		19.30		17.50		21.50		19.30		17.50		21.00	
		40	5200	Full		19.70		18.00		21.95		19.70		18.00		21.00	
		44	5220	Full		20.20		18.10		22.29		20.20		18.10		21.00	
				26/4		11.80		9.60		13.85		11.80		9.60		13.85	
				52/39		13.70		11.60		15.79		13.70		11.60		15.79	
				106/53		17.10		14.30		18.93		17.10		14.30		18.93	
				242/61		20.10		17.80		22.11		20.10		17.80		21.00	
		48	5240	Full		19.40		17.70		21.64		19.40		17.70		21.00	
				26/8		9.90		8.30		12.18		9.90		8.30		12.18	
				52/40		12.80		11.40		15.17		12.80		11.40		15.17	
				106/54		16.20		14.50		18.44		16.20		14.50		18.44	
				242/61		19.40		17.60		21.60		19.40		17.60		21.00	
	802.11ax-HE40 MCS0	38	5190	Full		19.80		17.90		21.96		19.80		17.90		21.00	99.50
				242/61		16.90		13.90		18.66		16.90		13.90		18.66	
				484/65		17.70		16.10		19.98		17.70		16.10		19.98	
		46	5230	Full		19.80		17.70		21.89		19.80		17.70		21.00	
				242/61		16.60		14.20		18.57		16.60		14.20		18.57	
				484/65		19.60		17.20		21.57		19.60		17.20		21.00	
	802.11ax-HE80 MCS0	42	5210	Full		19.20		17.20		21.32		19.20		17.20		21.00	99.10
				484/65		17.00		14.20		18.83		17.00		14.20		18.83	
				966/67		17.70		15.40		19.71		17.70		15.40		19.71	

5.3GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.3GHz WLAN	802.11a 6Mbps	52	5260	Full	18.40	20.40	16.50	18.50	20.56	22.56	18.40	20.40	16.50	18.50	19.07	21.07	98.30
		56	5280	Full	18.30	20.30	16.50	18.50	20.51	22.51	18.30	20.30	16.50	18.50	19.01	21.01	
		60	5300	Full	18.00	20.00	15.90	17.90	20.09	22.09	18.00	20.00	15.90	17.90	18.99	20.99	
		64	5320	Full	17.40	19.40	15.40	17.40	19.52	21.52	17.40	19.40	15.40	17.40	19.02	21.02	
	802.11n-HT20 MCS0	52	5260	Full	Not Required	19.30	Not Required	18.00	Not Required	21.71	Not Required	19.30	Not Required	18.00	Not Required	21.00	99.70
		56	5280	Full		19.20		18.00		21.65		19.20		18.00		21.00	
		60	5300	Full		19.60		17.70		21.76		19.60		17.70		21.00	
		64	5320	Full		19.10		17.20		21.26		19.10		17.20		21.00	
	802.11n-HT40 MCS0	54	5270	Full		19.50		17.90		21.78		19.50		17.90		21.00	99.60
		62	5310	Full		19.30		17.80		21.62		19.30		17.80		21.00	
	802.11ac-VHT20 MCS0	52	5260	Full		19.40		18.00		21.77		19.40		18.00		21.00	99.70
		56	5280	Full		19.30		18.00		21.72		19.30		18.00		21.00	
		60	5300	Full		19.70		17.70		21.82		19.70		17.70		21.00	
		64	5320	Full		19.20		17.20		21.32		19.20		17.20		21.00	
	802.11ac-VHT40 MCS0	54	5270	Full		19.60		17.90		21.84		19.60		17.90		21.00	99.60
		62	5310	Full		19.40		17.80		21.68		19.40		17.80		21.00	
	802.11ac-VHT80 MCS0	58	5290	Full		18.90		17.20		21.14		18.90		17.20		21.00	99.20
	802.11ac-VHT160 MCS0	50	5250	Full		17.90		16.00		20.06		17.90		16.00		20.06	99.20
	802.11ax-HE20 MCS0	52	5260	Full		19.50		18.10		21.87		19.50		18.10		21.00	99.70
				26/0		10.30		8.00		12.31		10.30		8.00		12.31	
				52/37		13.40		11.00		15.37		13.40		11.00		15.37	
				106/53		16.60		14.00		18.50		16.60		14.00		18.50	
				242/61		19.50		17.80		21.74		19.50		17.80		21.00	
		56	5280	Full		19.40		18.10		21.82		19.40		18.10		21.00	
		60	5300	Full		19.80		17.80		21.92		19.80		17.80		21.00	
				26/4		11.40		9.30		13.49		11.40		9.30		13.49	
				52/39		13.10		11.00		15.19		13.10		11.00		15.19	
				106/54		16.50		14.10		18.47		16.50		14.10		18.47	
				242/61		19.70		17.60		21.79		19.70		17.60		21.00	
		64	5320	Full		19.30		17.30		21.42		19.30		17.30		21.00	
				26/8		10.30		8.50		12.50		10.30		8.50		12.50	
				52/40		12.80		11.10		15.04		12.80		11.10		15.04	
				106/54		16.20		14.20		18.32		16.20		14.20		18.32	
				242/61		19.20		17.20		21.32		19.20		17.20		21.00	
	802.11ax-HE40 MCS0	54	5270	Full		19.70		18.00		21.94		19.70		18.00		21.00	99.50
				242/61		16.80		13.70		18.53		16.80		13.70		18.53	
				484/65		19.50		17.10		21.47		19.50		17.10		21.00	
		62	5310	Full		19.50		17.90		21.78		19.50		17.90		21.00	
				242/62		16.20		13.90		18.21		16.20		13.90		18.21	
				484/65		17.70		16.20		20.02		17.70		16.20		20.02	
	802.11ax-HE80 MCS0	58	5290	Full		19.00		15.30		20.54		19.00		15.30		20.54	99.10
				484/66		16.60		14.30		18.61		16.60		14.30		18.61	
				996/67		17.40		15.40		19.52		17.40		15.40		19.52	
	802.11ax-HE160 MCS0	50	5250	Full		18.00		16.10		20.16		18.00		16.10		20.16	99.70
				996/67		15.50		13.30		17.55		15.50		13.30		17.55	
				996/567		15.00		13.10		17.16		15.00		13.10		17.16	
				1992		15.60		13.60		17.72		15.60		13.60		17.72	

5.5GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.5GHz WLAN	802.11a 6Mbps	100	5500	Full	17.13	19.13	Not Required	18.20	20.14	22.14	17.13	19.13	Not Required	18.20	20.14	22.14	98.30
		116	5580	Full	17.08	19.08		18.30	20.18	22.18	17.08	19.08		18.30	20.18	22.18	
		132	5660	Full	17.10	19.10		18.30	20.13	22.13	17.10	19.10		18.30	20.13	22.13	
		140	5700	Full	17.15	19.15		18.00	20.31	22.31	17.15	19.15		18.00	20.31	22.31	
	802.11n-HT20 MCS0	100	5500	Full	Not Required	19.00		18.20	Not Required	21.97	Not Required	19.00		18.20	Not Required	21.97	99.70
		116	5580	Full		19.00		18.50		22.15		19.00		18.50		22.15	
		132	5660	Full		19.00		18.50		22.11		19.00		18.50		22.11	
		140	5700	Full		19.00		18.00		22.12		19.00		18.00		22.12	
	802.11n-HT40 MCS0	102	5510	Full		19.00		17.80		21.68		19.00		17.80		21.68	99.60
		110	5550	Full		19.00		17.80		21.68		19.00		17.80		21.68	
		134	5670	Full		19.00		18.00		21.88		19.00		18.00		21.88	
	802.11ac-VHT20 MCS0	100	5500	Full		19.00		18.20		22.02		19.00		18.20		22.02	99.70
		116	5580	Full		19.00		18.50		22.21		19.00		18.50		22.21	
		132	5660	Full		19.00		18.50		22.11		19.00		18.50		22.11	
		140	5700	Full		19.00		18.00		22.19		19.00		18.00		22.19	
	802.11ac-VHT40 MCS0	102	5510	Full		19.00		17.80		21.74		19.00		17.80		21.74	99.60
		110	5550	Full		19.00		17.80		21.74		19.00		17.80		21.74	
		134	5670	Full		19.00		18.00		21.94		19.00		18.00		21.94	
	802.11ac-VHT80 MCS0	106	5530	Full		19.00		17.90		21.78		19.00		17.90		21.78	99.20
	802.11ax-HE20 MCS0	100	5500	Full		19.00	16.30	18.30		22.12		19.00	16.30	18.30		22.12	99.70
				26/0		10.40	6.60	8.60		12.72		10.40	6.60	8.60		12.72	
				52/37		13.70	9.50	11.50		15.75		13.70	9.50	11.50		15.75	
				106/53		16.70	12.60	14.60		18.79		16.70	12.60	14.60		18.79	
				242/61		19.00	16.10	18.10		21.98		19.00	16.10	18.10		21.98	
		116	5580	Full		19.00	16.60	18.60		22.31		19.00	16.60	18.60		22.31	
				26/4		11.00	7.60	9.60		13.37		11.00	7.60	9.60		13.37	
				52/38		13.40	9.40	11.40		15.52		13.40	9.40	11.40		15.52	
				106/53		16.90	12.60	14.60		18.91		16.90	12.60	14.60		18.91	
				242/61		19.00	16.50	18.50		22.21		19.00	16.50	18.50		22.21	
		132	5660	Full		19.00	16.60	18.60		22.26		19.00	16.60	18.60		22.26	
		140	5700	Full		19.00	16.10	18.10		22.29		19.00	16.10	18.10		22.29	
				26/8		10.90	6.30	8.30		12.80		10.90	6.30	8.30		12.80	
				52/40		14.00	9.50	11.50		15.94		14.00	9.50	11.50		15.94	
				106/54		17.20	12.40	14.40		19.03		17.20	12.40	14.40		19.03	
				242/61		17.80	13.60	15.60		19.85		17.80	13.60	15.60		19.85	
	802.11ax-HE40 MCS0	102	5510	Full		19.00	Not Required	17.90		21.84		19.00	Not Required	17.90		21.84	99.50
				242/61		16.80		14.40		18.77		16.80		14.40		18.77	
				484/65		16.60		15.90		19.27		16.60		15.90		19.27	
		110	5550	Full		19.00		17.90		21.84		19.00		17.90		21.84	
				242/61		16.50		14.40		18.59		16.50		14.40		18.59	
				484/65		19.00		16.90		21.27		19.00		16.90		21.27	
		134	5670	Full		19.00		18.10		22.04		19.00		18.10		22.04	
				242/62		16.90		14.20		18.77		16.90		14.20		18.77	
				484/65		19.00		17.70		21.58		19.00		17.70		21.58	
	802.11ax-HE80 MCS0	106	5530	Full		19.00		18.00		21.88		19.00		18.00		21.88	99.10
				484/65		16.50		14.60		18.66		16.50		14.60		18.66	
				996/67		16.40		14.60		18.60		16.40		14.60		18.60	

5.8GHz WLAN					Receiver Off Standalone						Receiver Off Simultaneous transmission						Duty Cycle %
					Ant 5		Ant 6		Ant 5+6		Ant 5		Ant 6		Ant 5+6		
	Mode	Channel	Frequency (MHz)	Ru Config	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	
5.8GHz WLAN	802.11a 6Mbps	149	5745	Full	Not Required	20.00	Not Required	22.90	Not Required	22.00	Not Required	20.00	Not Required	22.90	Not Required	22.00	98.30
		157	5785	Full		20.00		20.50		22.00		20.00		20.50		22.00	
		165	5825	Full		20.00		22.10		22.00		20.00		22.10		22.00	
	802.11n-HT20 MCS0	149	5745	Full		20.00		23.10		22.00		20.00		23.10		22.00	99.70
		157	5785	Full		20.00		20.40		22.00		20.00		20.40		22.00	
		165	5825	Full		20.00		22.20		22.00		20.00		22.20		22.00	
	802.11n-HT40 MCS0	151	5755	Full		20.00		22.80		22.00		20.00		22.80		22.00	99.60
		159	5795	Full		20.00		22.10		22.00		20.00		22.10		22.00	
	802.11ac-VHT20 MCS0	149	5745	Full		20.00		23.10		22.00		20.00		23.10		22.00	99.70
		157	5785	Full		20.00		20.40		22.00		20.00		20.40		22.00	
		165	5825	Full		20.00		22.20		22.00		20.00		22.20		22.00	
	802.11ac-VHT40 MCS0	151	5755	Full		20.00		22.80		22.00		20.00		22.80		22.00	99.60
		159	5795	Full		20.00		22.10		22.00		20.00		22.10		22.00	
	802.11ac-VHT80 MCS0	155	5775	Full		20.00		22.90		22.00		20.00		22.90		22.00	99.20
	802.11ax-HE20 MCS0	149	5745	Full		20.00	21.20	23.20		22.00		20.00	21.20	23.20		22.00	99.70
				26/0		15.90	11.40	13.40		17.84		15.90	11.40	13.40		17.84	
				52/37		19.00	14.20	16.20		20.83		19.00	14.20	16.20		20.83	
				106/53		20.00	16.90	18.90		22.00		20.00	16.90	18.90		22.00	
				242		20.00	18.60	20.60		22.00		20.00	18.60	20.60		22.00	
		157	5785	Full		20.00	18.50	20.50		22.00		20.00	18.50	20.50		22.00	
				26/4		14.80	10.20	12.20		16.70		14.80	10.20	12.20		16.70	
				52/38		17.40	12.60	14.60		19.23		17.40	12.60	14.60		19.23	
				106/53		20.00	15.90	17.90		22.00		20.00	15.90	17.90		22.00	
				242		20.00	18.00	20.00		22.00		20.00	18.00	20.00		22.00	
		165	5825	Full		20.00	20.30	22.30		22.00		20.00	20.30	22.30		22.00	
				26/8		16.60	12.30	14.30		18.61		16.60	12.30	14.30		18.61	
				52/40		19.70	15.40	17.40		21.71		19.70	15.40	17.40		21.71	
				106/54		20.00	18.00	20.00		22.00		20.00	18.00	20.00		22.00	
				242		20.00	19.20	21.20		22.00		20.00	19.20	21.20		22.00	
	802.11ax-HE40 MCS0	151	5755	Full		18.11	20.11	22.90		20.05		18.11	20.11	22.90		20.05	99.50
				242/62		18.02	20.02	21.00		19.87		18.02	20.02	21.00		19.87	
				484		18.00	20.00	22.20		20.00		18.00	20.00	22.20		20.00	
		159	5795	Full		18.02	20.02	22.20		20.02		18.02	20.02	22.20		20.02	
				242/62		18.04	20.04	20.50		19.86		18.04	20.04	20.50		19.86	
				484		18.01	20.01	21.70		19.95		18.01	20.01	21.70		19.95	
	802.11ax-HE80 MCS0	155	5775	Full		20.00		23.00		22.00		20.00		23.00		22.00	99.10
				484/65		20.00		20.30		22.00		20.00		20.30		22.00	
				484/66		20.00		20.10		22.00		20.00		20.10		22.00	
				996		20.00		20.20		22.00		20.00		20.20		22.00	

Appendix F. Supplemental Tuner Head & Body SAR Results

The results are shown as follows.

RF exposure position ANT0	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Scenario 0 Average Value of Time Sweep (W/kg)			Scenario 1 Average Value of Time Sweep (W/kg)	Scenario 2 Average Value of Time Sweep (W/kg)	Scenario 3 Average Value of Time Sweep (W/kg)	Scenario 4 Average Value of Time Sweep (W/kg)	Scenario 5 Average Value of Time Sweep (W/kg)
Head	LTE Band 71	20M_QPSK	state 10/11	133297	680.5	NA	NA	1	49	Right Cheek	0mm	0.106	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	LTE Band 12	10M_QPSK	state 10/11	23095	707.5	NA	NA	1	49	Right Cheek	0mm	0.095	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	LTE Band 13	10M_QPSK	state 10/11	23230	782	NA	NA	1	25	Right Cheek	0mm	0.141	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	FR1 n12	15M_BPSK_DFT-15	state 10/11	141500	707.5	**245**	ID:16	1	40	Right Cheek	0mm	0.103	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	FR1 n13	10M_BPSK_DFT-15	state 10/11	156400	782	**245**	ID:16	1	1	Right Cheek	0mm	0.137	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	FR1 n71	20M_BPSK_DFT-15	state 10/11	136100	680.5	**240**	ID:16	1	1	Right Cheek	0mm	0.107	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	GSM850	GPRS (2 Tx slots)	state 10/11	251	848.8	NA	NA	NA	NA	Right Cheek	0mm	0.311	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	WCDMA V	RMC 12.2Kbps	state 10/11	4233	846.6	NA	NA	NA	NA	Right Cheek	0mm	0.193	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	LTE Band 26	15M_QPSK	state 10/11	26865	831.5	NA	NA	1	37	Right Cheek	0mm	0.154	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Head	FR1 n26	20M_BPSK_DFT-15	state 10/11	166300	831.5	**240**	ID:16	50	28	Right Cheek	0mm	0.141	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	LTE Band 71	20M_QPSK	state 13/14	133297	680.5	NA	NA	1	49	Back	15mm	0.236	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	LTE Band 12	10M_QPSK	state 13/14	23095	707.5	NA	NA	1	49	Back	15mm	0.206	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	LTE Band 13	10M_QPSK	state 13/14	23230	782	NA	NA	1	25	Back	15mm	0.240	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	FR1 n12	15M_BPSK_DFT-15	state 13/14	141500	707.5	**245**	ID:16	36	22	Back	15mm	0.221	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	FR1 n13	10M_BPSK_DFT-15	state 13/14	156400	782	**245**	ID:16	25	14	Back	15mm	0.273	0.001	0.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	FR1 n71	20M_BPSK_DFT-15	state 13/14	136100	680.5	**240**	ID:16	50	28	Back	15mm	0.180	0.001	0.071	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	GSM850	GPRS (2 Tx slots)	state 13	251	848.8	NA	NA	NA	NA	Back	15mm	0.544	0.001	0.265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	WCDMA V	RMC 12.2Kbps	state 13/14	4233	846.6	NA	NA	NA	NA	Back	15mm	0.383	0.001	0.182	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	LTE Band 26	15M_QPSK	state 13/14	26865	831.5	NA	NA	1	37	Back	15mm	0.332	0.079	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Body	FR1 n26	20M_BPSK_DFT-15	state 13/14	166300	831.5	**240**	ID:16	50	28	Back	15mm	0.282	0.001	0.001	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

RF exposure position ANT2													Average Value of Time Sweep (W/kg)												
Head	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	21	42	63	84	105	126	147	168	189	210	231	252
	LTE Band 71	20M_QPSK	state 10	133297	680.5	NA	NA	1	49	Right Cheek	0mm	0.605	0.296	0.247	0.001	0.001	0.140	0.001	0.218	0.566	0.083	0.040	0.001	0.066	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	22	43	64	85	106	127	148	169	190	211	232	253
	LTE Band 12	10M_QPSK	state 10	23095	707.5	NA	NA	1	49	Right Cheek	0mm	0.711	0.143	0.172	0.001	0.001	0.282	0.001	0.088	0.594	0.001	0.001	0.001	0.001	0.073
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	23	44	65	86	107	128	149	170	191	212	233	254
	LTE Band 13	10M_QPSK	state 10	23230	782	NA	NA	1	25	Right Cheek	0mm	0.678	0.133	0.187	0.001	0.270	0.658	0.285	0.467	0.337	0.001	0.001	0.338	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	24	45	66	87	108	129	150	171	192	213	234	0
	FR1 N12	15M_BPSK_DFT-15	state 10	141500	707.5	**245**	ID:17	1	40	Right Cheek	0mm	0.574	0.200	0.200	0.001	0.117	0.365	0.190	0.517	0.518	0.082	0.001	0.098	0.001	0.154
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	25	46	67	88	109	130	151	172	193	214	235	1
	FR1 N13	10M_BPSK_DFT-15	state 10/11	156400	782	**245**	ID:17	1	1	Right Cheek	0mm	0.432	0.193	0.001	0.001	0.421	0.402	0.000	0.352	0.303	0.001	0.062	0.378	0.264	0.090
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	26	47	68	89	110	131	152	173	194	215	236	2
	FR1 N71	20M_BPSK_DFT-15	state 10/11	136100	680.5	**240**	ID:17	1	1	Right Cheek	0mm	0.37	0.246	0.001	0.001	0.269	0.001	0.001	0.352	0.331	0.001	0.001	0.089	0.001	0.306
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	27	48	69	90	111	132	153	174	195	216	237	3
	WCDMA V	RMC 12.2Kbps	state 10	4233	846.6	NA	NA	NA	NA	Right Cheek	0mm	1.020	0.271	0.001	0.001	0.508	0.112	0.001	0.332	0.001	0.001	0.683	0.633	0.043	0.193
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	28	49	70	91	112	133	154	175	196	217	238	4
	LTE Band 26	15M_QPSK	state 10	26865	831.5	NA	NA	1	37	Right Cheek	0mm	0.811	0.265	0.001	0.001	0.340	0.058	0.001	0.329	0.001	0.001	0.326	0.083	0.001	0.223
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	8	29	50	71	92	113	134	155	176	197	218	239	5
	FR1 N26	20M_BPSK_DFT-15	state 10	166300	831.5	**240**	ID:17	50	28	Right Cheek	0mm	0.735	0.294	0.001	0.049	0.375	0.083	0.001	0.309	0.001	0.001	0.427	0.427	0.001	0.220
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	9	30	51	72	93	114	135	156	177	198	219	240	6
	WCDMA IV	RMC 12.2Kbps	state 10	1312	1712.4	NA	NA	NA	NA	Right Cheek	0mm	0.571	0.175	0.536	0.512	0.511	0.525	0.399	0.534	0.552	0.253	0.535	0.527	0.259	0.565
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	10	31	52	73	94	115	136	157	178	199	220	241	7
	LTE Band 66	10M_QPSK	state 10	132572	1770	NA	NA	1	0	Right Cheek	0mm	0.608	0.184	0.393	0.325	0.078	0.385	0.271	0.445	0.437	0.201	0.396	0.439	0.183	0.437
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	11	32	53	74	95	116	137	158	179	200	221	242	8
	FR1 N66	40M_BPSK_DFT-15	state 10/11	349000	1745	**240**	ID:125	108	54	Right Cheek	0mm	0.46	0.401	0.082	0.334	0.157	0.373	0.291	0.079	0.414	0.283	0.388	0.420	0.182	0.416
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	12	33	54	75	96	117	138	159	180	201	222	243	9
	GSM1900	GPRS (2 Tx slots)	state 10	810	1909.8	NA	NA	NA	NA	Right Cheek	0mm	0.662	0.363	0.153	0.451	0.358	0.051	0.408	0.196	0.324	0.476	0.065	0.319	0.342	0.087
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	13	34	55	76	97	118	139	160	181	202	223	244	10
	WCDMA II	RMC 12.2Kbps	state 10	9538	1907.6	NA	NA	NA	NA	Right Cheek	0mm	1.04	0.457	0.677	0.717	0.549	0.261	0.662	0.827	0.169	0.772	0.335	0.476	0.668	0.430
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	14	35	56	77	98	119	140	161	182	203	224	245	11
	LTE Band 25	20M_QPSK	state 10	26590	1905	NA	NA	1	49	Right Cheek	0mm	0.894	0.365	0.612	0.579	0.353	0.462	0.527	0.500	0.283	0.614	0.562	0.105	0.548	0.668
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	15	36	57	78	99	120	141	162	183	204	225	246	12
	FR1 N25	20M_BPSK_DFT-15	state 10	381000	1905	**235**	ID:93	1	1	Right Cheek	0mm	0.686	0.319	0.524	0.586	0.336	0.522	0.508	0.385	0.530	0.584	0.448	0.199	0.524	0.489
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	16	37	58	79	100	121	142	163	184	205	226	247	13
	LTE Band 30	10M_QPSK	state 10	27710	2310	NA	NA	1	49	Right Cheek	0mm	1.04	0.773	1.020	0.670	0.722	0.988	0.696	0.820	0.991	0.986	0.730	1.000	1.000	0.808
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	17	38	59	80	101	122	143	164	185	206	227	248	14
	LTE Band 7	20M_QPSK	state 10	21350	2560	NA	NA	1	99	Right Cheek	0mm	0.816	0.459	0.551	0.42	0.432	0.528	0.399	0.48	0.547	0.368	0.464	0.553	0.552	0.482
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	18	39	60	81	102	123	144	165	186	207	228	249	15
	LTE Band 41	20M_QPSK	state 10	41055	2636.5	NA	NA	1	49	Right Cheek	0mm	0.959	0.615	0.648	0.524	0.512	0.637	0.525	0.535	0.647	0.528	0.517	0.627	0.495	0.541
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	19	40	61	82	103	124	145	166	187	208	229	250	16
	FR1 N7	40M_BPSK_DFT-15	state 10	507000	2535	**195**	ID :93	108	54	Right Cheek	0mm	0.84	0.743	0.759	0.598	0.698	0.723	0.577	0.672	0.757	0.601	0.627	0.739	0.594	0.65
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	20	41	62	83	104	125	146	167	188	209	230	251	17
	FR1 N38	3040M_BPSK_DFT-15	state 10	519000	2595	**175**	ID :137	1	1	Right Cheek	0mm	0.807	0.594	0.255	0.442	0.592	0.568	0.423	0.489	0.591	0.437	0.478	0.568	0.422	0.496
Body	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	0	21	42	63	84	105	126	147	168	189	210	231	252
	LTE Band 71	20M_QPSK	state 13/14	133297	680.5	NA	NA	1	49	Front	15mm	0.147	0.079	0.050	0.001	0.001	0.001	0.001	0.049	0.144	0.001	0.001	0.001	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	1	22	43	64	85	106	127	148	169	190	211	232	253
	LTE Band 12	10M_QPSK	state 13/14	23095	707.5	NA	NA	1	49	Front	15mm	0.163	0.001	0.001	0.001	0.001	0.054	0.001	0.001	0.132	0.001	0.001	0.001	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	2	23	44	65	86	107	128	149	170	191	212	233	254
	LTE Band 13	10M_QPSK	state 13/14	23230	782	NA	NA	1	25	Front	15mm	0.131	0.001	0.001	0.001	0.001	0.121	0.056	0.115	0.062	0.001	0.001	0.053	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	3	24	45	66	87	108	129	150	171	192	213	234	0
	FR1 N12	15M_BPSK_DFT-15	state 13/14	141500	707.5	**245**	Path ID:17	1	40	Front	15mm	0.127	0.044	0.043	0.001	0.001	0.077	0.056	0.118	0.123	0.001	0.001	0.001	0.001	0.042
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	4	25	46	67	88	109	130	151	172	193	214	235	1
	FR1 N13	10M_BPSK_DFT-15	state 13/14	156400	782	**245**	Path ID:17	1	1	Front	15mm	0.087	0.001	0.001	0.001	0.085	0.083	0.001	0.080	0.066	0.001	0.001	0.073	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	5	26	47	68	89	110	131	152	173	194	215	236	2
	FR1 N71	20M_BPSK_DFT-15	state 13/14	136100	680.5	**240**	Path ID:17	1	1	Front	15mm	0.1	0.048	0.001	0.001	0.046	0.001	0.001	0.095	0.093	0.001	0.001	0.001	0.001	0.070
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	6	27	48	69	90	111	132	153	174	195	216	237	3
	WCDMA V	RMC 12.2Kbps	state 13/14	4233	846.6	NA	NA	NA	NA	Front	15mm	0.241	0.044	0.001	0.001	0.083	0.001	0.001	0.054	0.001	0.001	0.107	0.102	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	7	28	49	70	91	112	133	154	175	196	217	238	4
	LTE Band 26	15M_QPSK	state 13/14	26865	831.5	NA	NA	1	37	Front	15mm	0.194	0.045	0.001	0.001	0.070	0.001	0.001	0.053	0.001	0.001	0.073	0.001	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	8	29	50	71	92	113	134	155	176	197	218	239	5
	FR1 N26	20M_BPSK_DFT-15	state 13/14	166300	831.5	**240**	Path ID:17	50	28	Front	15mm	0.148	0.048	0.001	0.001	0.063	0.001	0.001	0.058	0.001	0.001	0.069	0.088	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	9	30	51	72	93	114	135	156	177	198	219	240	6
	WCDMA IV	RMC 12.2Kbps	state 13/14	1312	1712.4	NA	NA	NA	NA	Back	15mm	0.087	0.001	0.043	0.001	0.040	0.043	0.001	0.001	0.046	0.001	0.001	0.049	0.001	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	10	31	52	73	94	115	136	157	178	199	220	241	7
	LTE Band 66	10M_QPSK	state 13/14	132572	1770	NA	NA	1	0	Back	15mm	0.065	0.001	0.050	0.001	0.001	0.051	0.001	0.055	0.057	0.001	0.047	0.049	0.001	0.050
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	11	32	53	74	95	116	137	158	179	200	221	242	8
	FR1 N66	40M_BPSK_DFT-15	state 13/14	349000	1745	**240**	Path ID:125	108	54	Back	15mm	0.06	0.055	0.001	0.055	0.001	0.059	0.051	0.001	0.056	0.046	0.053	0.058	0.001	0.050
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	12	33	54	75	96	117	138	159	180	201	222	243	9
	GSM1900	GPRS (2 Tx slots)	state 13/14	810	1909.8	NA	NA	NA	NA	Back	15mm	0.080	0.054	0.001	0.001	0.046	0.001	0.001	0.001	0.001	0.072	0.001	0.045	0.052	0.001
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	13	34	55	76	97	118	139	160	181	202	223	244	10
	WCDMA II	RMC 12.2Kbps	state 13/14	9538	1907.6	NA	NA	NA	NA	Back	15mm	0.134	0.065	0.096	0.104	0.078	0.001	0.095	0.115	0.001	0.110	0.046	0.068	0.093	0.059
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	14	35	56	77	98	119	140	161	182	203	224	245	11
	LTE Band 25	20M_QPSK	state 13/14	26590	1905	NA	NA	1	49	Back	15mm	0.131	0.062	0.095	0.094	0.062	0.065	0.085	0.084	0.041	0.103	0.090	0.001	0.086	0.100
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	15	36	57	78	99	120	141	162	183	204	225	246	12
	FR1 N25	20M_BPSK_DFT-15	state 13/14	372000	1860	**245**	Path ID:93	1	1	Back	15mm	0.118	0.050	0.079	0.080	0.051	0.072	0.072	0.058	0.083	0.085	0.066	0.001	0.071	0.075
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	16	37	58	79	100	121	142	163	184	205	226	247	13
	LTE Band 30	10M_QPSK	state 13/14	27710	2310	NA	NA	1	49	Back	15mm	0.316	0.234	0.265	0.181	0.206	0.271	0.181	0.239	0.235	0.242	0.212	0.253	0.256	0.231
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	17	38	59	80	101	122	143	164	185	206	227	248	14
	LTE Band 7	20M_QPSK	state 13/14	20850	2510	NA	NA	1	99	Back	15mm	0.281	0.164	0.178	0.151	0.155	0.177	0.149	0.170	0.174	0.128	0.163	0.171	0.173	0.164
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	18	39	60	81	102	123	144	165	186	207	228	249	15
	LTE Band 41	20M_QPSK	state 13/14	41490	2680	NA	NA	1	49	Back	15mm	0.319	0.177	0.159	0.143	0.124	0.165	0.150	0.131	0.178	0.164	0.129	0.165	0.169	0.128
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	19	40	61	82	103	124	145	166	187	208	229	250	16
	FR1 N7	40M_BPSK_DFT-15	state 13	507000	2535	**240**	Path ID :93	108	54	Back	15mm	0.416	0.329	0.355	0.302	0.304	0.342	0.302	0.325	0.358	0.305	0.307	0.359	0.299	0.315
	Band	Mode	Power Reduction	Channel	Frequency (MHz)	power setting	Path ID	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	20	41	62	83	104	125	146	167	188	209	230	251	17
	FR1 N38	3040M_BPSK_DFT-15	state 13	519000	2595	**230**	ID :137	1	1	Back	15mm	0.453	0.316	0.159	0.234	0.314	0.285	0.227	0.283	0.291	0.243	0.235	0.287	0.242	0.240