Full&Default Power Mode Main PA

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.92	33.10	33.04	34.00	23.92	24.10	24.04	25.00
GPRS 1 Tx slot	32.95	33.13	33.06	34.00	23.95	24.13	24.06	25.00
GPRS 2 Tx slots	30.01	30.11	30.08	31.00	24.01	24.11	24.08	25.00
GPRS 3 Tx slots	28.27	28.31	28.17	29.00	24.01	24.05	23.91	24.74
GPRS 4 Tx slots	27.07	27.15	27.04	28.00	24.07	24.15	24.04	25.00
EDGE 1 Tx slot	27.19	27.32	27.29	28.00	18.19	18.32	18.29	19.00
EDGE 2 Tx slots	24.39	24.45	24.32	25.00	18.39	18.45	18.32	19.00
EDGE 3 Tx slots	22.60	22.71	22.57	23.50	18.34	18.45	18.31	19.24
EDGE 4 Tx slots	21.36	21.44	21.33	22.50	18.36	18.44	18.33	19.50

WCDMA V Ant0 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.34	24.35	24.28	25.00
3GPP Rel 99	RMC 12.2Kbps	24.37	24.42	24.34	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.45	23.49	24.00
3GPP Rel 6	HSDPA Subtest-2	23.47	23.43	23.42	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	23.05	23.02	23.50
3GPP Rel 6	HSDPA Subtest-4	22.90	22.88	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.40	23.52	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.36	23.50	23.27	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.79	22.86	22.85	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.78	22.93	22.86	23.50
3GPP Rel 6	HSUPA Subtest-1	23.22	23.37	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.40	21.45	21.43	22.00
3GPP Rel 6	HSUPA Subtest-3	22.41	22.58	22.47	23.00
3GPP Rel 6	HSUPA Subtest-4	21.39	21.39	21.33	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.51	23.37	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	21.09	21.05	21.50

Band 5 Ant0 Default

BW [MHz]	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	25.28	25.35	25.31	25.7	0
10	QPSK	1	25	25.21	25.27	25.18		
10	QPSK	1	49	25.19	25.33	25.29		
10	QPSK	25	0	24.15	24.28	24.22	24.7	1
10	QPSK	25	12	24.10	24.23	24.12		
10	QPSK	25	25	24.20	24.25	24.18		
10	QPSK	50	0	24.08	24.19	24.15		
10	16QAM	1	0	24.00	24.14	24.01	24.7	1
10	16QAM	1	25	24.01	24.10	24.00		
10	16QAM	1	49	23.97	24.05	23.94		
10	16QAM	25	0	23.16	23.26	23.22	23.7	2
10	16QAM	25	12	23.10	23.22	23.09		
10	16QAM	25	25	23.12	23.20	23.14		
10	16QAM	50	0	23.15	23.24	23.17		
10	64QAM	1	0	23.40	23.50	23.36	23.7	2
10	64QAM	1	25	23.31	23.43	23.40		
10	64QAM	1	49	23.44	23.49	23.38		
10	64QAM	25	0	22.16	22.25	22.22	22.7	3
10	64QAM	25	12	22.07	22.19	22.08		
10	64QAM	25	25	22.15	22.23	22.09		
10	64QAM	50	0	22.13	22.25	22.17		
10	256QAM	1	0	20.34	20.44	20.31	20.7	5
10	256QAM	1	25	20.26	20.29	20.24		
10	256QAM	1	49	20.28	20.38	20.29		
10	256QAM	25	0	20.17	20.25	20.12	20.7	5
10	256QAM	25	12	20.12	20.19	20.13		
10	256QAM	25	25	20.05	20.16	20.12		
10	256QAM	50	0	20.11	20.21	20.16		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.15	25.27	25.22	25.7	0
5	QPSK	1	12	25.17	25.14	25.15		
5	QPSK	1	24	25.05	25.29	25.20		
5	QPSK	12	0	24.11	24.23	24.18	24.7	1
5	QPSK	12	7	24.07	24.16	24.04		
5	QPSK	12	13	24.16	24.18	24.14		
5	QPSK	25	0	23.95	24.15	24.01		
5	16QAM	1	0	23.96	24.00	23.87	24.7	1
5	16QAM	1	12	23.87	24.04	23.89		
5	16QAM	1	24	23.87	23.93	23.90		
5	16QAM	12	0	23.12	23.22	23.13	23.7	2
5	16QAM	12	7	22.99	23.10	22.98		
5	16QAM	12	13	23.00	23.07	23.06		
5	16QAM	25	0	23.12	23.18	23.02		
5	64QAM	1	0	23.35	23.45	23.24	23.7	2
5	64QAM	1	12	23.18	23.30	23.28		
5	64QAM	1	24	23.34	23.39	23.31		
5	64QAM	12	0	22.03	22.10	22.09	22.7	3
5	64QAM	12	7	22.04	22.14	22.00		
5	64QAM	12	13	22.03	22.15	21.97		
5	64QAM	25	0	22.10	22.21	22.09		
5	256QAM	1	0	20.21	20.40	20.27	20.7	5
5	256QAM	1	12	20.11	20.25	20.18		
5	256QAM	1	24	20.19	20.32	20.25		
5	256QAM	12	0	20.08	20.15	20.03	20.7	5
5	256QAM	12	7	20.06	20.15	20.06		
5	256QAM	12	13	19.99	20.12	20.08		
5	256QAM	25	0	20.07	20.18	20.12		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.13	25.28	25.21	25.7	0
3	QPSK	1	8	25.15	25.22	25.10		
3	QPSK	1	14	25.08	25.22	25.18		
3	QPSK	8	0	24.04	24.16	24.12	24.7	1
3	QPSK	8	4	23.96	24.16	24.02		
3	QPSK	8	7	24.10	24.15	24.11		
3	QPSK	15	0	24.00	24.08	24.11		
3	16QAM	1	0	23.92	24.04	23.97	24.7	1
3	16QAM	1	8	23.98	23.96	23.87		
3	16QAM	1	14	23.91	23.96	23.88		
3	16QAM	8	0	23.11	23.19	23.17	23.7	2
3	16QAM	8	4	23.04	23.19	23.03		
3	16QAM	8	7	23.03	23.09	23.06		
3	16QAM	15	0	23.03	23.11	23.06		
3	64QAM	1	0	23.27	23.44	23.32	23.7	2
3	64QAM	1	8	23.22	23.38	23.32		
3	64QAM	1	14	23.31	23.34	23.23		
3	64QAM	8	0	22.02	22.22	22.18	22.7	3
3	64QAM	8	4	22.00	22.15	22.02		
3	64QAM	8	7	22.11	22.09	21.97		
3	64QAM	15	0	22.06	22.15	22.12		
3	256QAM	1	0	20.29	20.33	20.16	20.7	5
3	256QAM	1	8	20.18	20.19	20.17		
3	256QAM	1	14	20.16	20.35	20.25		
3	256QAM	8	0	20.13	20.12	20.00	20.7	5
3	256QAM	8	4	20.00	20.10	19.98		
3	256QAM	8	7	19.95	20.05	19.98		
3	256QAM	15	0	20.01	20.15	20.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.23	25.29	25.18	25.7	0
1.4	QPSK	1	3	25.13	25.21	25.04		
1.4	QPSK	1	5	25.16	25.27	25.24		
1.4	QPSK	3	0	25.22	25.23	25.20		
1.4	QPSK	3	1	25.17	25.24	25.15		
1.4	QPSK	3	3	25.05	25.26	25.25		
1.4	QPSK	6	0	24.06	24.14	24.17	24.7	1
1.4	16QAM	1	0	23.95	24.10	24.01	24.7	1
1.4	16QAM	1	3	24.15	24.13	24.11		
1.4	16QAM	1	5	23.99	24.13	24.05		
1.4	16QAM	3	0	23.89	24.02	23.93		
1.4	16QAM	3	1	23.89	24.00	23.92		
1.4	16QAM	3	3	23.84	24.01	23.83		
1.4	16QAM	6	0	23.12	23.13	23.14	23.7	2
1.4	64QAM	1	0	22.96	23.18	22.96	23.7	2
1.4	64QAM	1	3	22.97	23.10	23.10		
1.4	64QAM	1	5	23.12	23.09	23.12		
1.4	64QAM	3	0	23.26	23.36	23.31		
1.4	64QAM	3	1	23.22	23.35	23.36		
1.4	64QAM	3	3	23.31	23.35	23.23		
1.4	64QAM	6	0	22.04	22.22	22.07	22.7	3
1.4	256QAM	1	0	20.21	20.40	20.16	20.7	5
1.4	256QAM	1	3	20.13	20.21	20.17		
1.4	256QAM	1	5	20.16	20.34	20.16		
1.4	256QAM	3	0	20.03	20.22	19.98		
1.4	256QAM	3	1	20.06	20.16	20.00		
1.4	256QAM	3	3	19.98	20.04	20.05		
1.4	256QAM	6	0	19.96	20.13	20.03	20.7	5

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.12	33.25	33.23	34.50	24.12	24.25	24.23	25.50
GPRS 1 Tx slot	33.14	33.27	33.26	34.50	24.14	24.27	24.26	25.50
GPRS 2 Tx slots	30.14	30.29	30.15	31.50	24.14	24.29	24.15	25.50
GPRS 3 Tx slots	28.39	28.49	28.42	29.50	24.13	24.23	24.16	25.24
GPRS 4 Tx slots	27.26	27.35	27.24	28.50	24.26	24.35	24.24	25.50
EDGE 1 Tx slot	27.41	27.48	27.41	28.50	18.41	18.48	18.41	19.50
EDGE 2 Tx slots	24.60	24.65	24.57	25.50	18.60	18.65	18.57	19.50
EDGE 3 Tx slots	22.78	22.86	22.80	23.50	18.52	18.60	18.54	19.24
EDGE 4 Tx slots	21.51	21.64	21.54	22.50	18.51	18.64	18.54	19.50

GSM1900 Ant1 Default

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.67	29.79	29.75	31.50	20.67	20.79	20.75	22.50
GPRS 1 Tx slot	29.69	29.81	29.76	31.50	20.69	20.81	20.76	22.50
GPRS 2 Tx slots	26.72	26.84	26.76	28.50	20.72	20.84	20.76	22.50
GPRS 3 Tx slots	25.06	25.10	24.98	26.50	20.80	20.84	20.72	22.24
GPRS 4 Tx slots	23.68	23.78	23.68	25.50	20.68	20.78	20.68	22.50
EDGE 1 Tx slot	26.16	26.25	26.19	27.50	17.16	17.25	17.19	18.50
EDGE 2 Tx slots	23.17	23.31	23.19	24.50	17.17	17.31	17.19	18.50
EDGE 3 Tx slots	21.02	21.14	21.02	22.50	16.76	16.88	16.76	18.24
EDGE 4 Tx slots	21.08	21.22	21.15	22.50	18.08	18.22	18.15	19.50

WCDMA II Ant0 Default

WCDMA IV Ant0 Default

WCDMA V Ant0 Default

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.39	23.47	23.42	25.00	23.46	23.51	23.48	25.00	24.07	24.19	24.13	25.50
3GPP Rel 99	RMC 12.2Kbps	23.43	23.51	23.45	25.00	23.51	23.58	23.53	25.00	24.12	24.22	24.14	25.50
3GPP Rel 6	HSDPA Subtest-1	22.27	22.31	22.34	24.00	22.31	22.46	22.45	24.00	23.06	23.17	23.10	24.50
3GPP Rel 6	HSDPA Subtest-2	22.30	22.37	22.20	24.00	22.39	22.42	22.32	24.00	23.11	23.07	23.07	24.50
3GPP Rel 6	HSDPA Subtest-3	21.85	21.88	21.79	23.50	21.90	21.99	21.87	23.50	22.57	22.65	22.60	24.00
3GPP Rel 6	HSDPA Subtest-4	21.70	21.83	21.90	23.50	21.83	21.92	21.95	23.50	22.56	22.63	22.59	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.17	22.25	22.39	24.00	22.30	22.36	22.45	24.00	23.03	23.08	23.14	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.23	22.33	22.30	24.00	22.33	22.38	22.39	24.00	22.98	23.04	23.08	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.76	21.87	21.71	23.50	21.80	22.01	21.85	23.50	22.44	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.68	21.76	21.68	23.50	21.78	21.85	21.80	23.50	22.46	22.59	22.50	24.00
3GPP Rel 6	HSUPA Subtest-1	22.06	22.20	22.29	24.00	22.21	22.32	22.33	24.00	22.92	23.01	23.01	24.50
3GPP Rel 6	HSUPA Subtest-2	20.30	20.35	20.33	22.00	20.42	20.40	20.47	22.00	21.08	21.14	21.15	22.50
3GPP Rel 6	HSUPA Subtest-3	21.39	21.37	21.44	23.00	21.46	21.51	21.48	23.00	22.15	22.21	22.21	23.50
3GPP Rel 6	HSUPA Subtest-4	20.32	20.33	20.18	22.00	20.39	20.42	20.25	22.00	21.10	21.06	20.99	22.50
3GPP Rel 6	HSUPA Subtest-5	22.20	22.32	22.32	24.00	22.29	22.39	22.37	24.00	23.00	23.10	23.04	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.95	19.85	19.93	21.50	20.03	19.97	20.04	21.50	20.68	20.71	20.73	22.00

Band 2 Ant1 Default

BW [MHz]	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	24.29	24.35	24.33	25.5	0
20	QPSK	1	49	24.20	24.32	24.24		
20	QPSK	1	99	24.25	24.33	24.30		
20	QPSK	50	0	23.20	23.29	23.27		
20	QPSK	50	24	23.07	23.25	23.16	24.5	1
20	QPSK	50	50	23.15	23.21	23.19		
20	QPSK	100	0	23.14	23.18	23.17		
20	16QAM	1	0	23.01	23.10	23.01		
20	16QAM	1	49	23.07	23.10	22.96	24.5	1
20	16QAM	1	99	23.02	23.08	22.96		
20	16QAM	50	0	22.13	22.29	22.22		
20	16QAM	50	24	22.08	22.27	22.10	23.5	2
20	16QAM	50	50	22.07	22.25	22.12		
20	16QAM	100	0	22.12	22.25	22.22		
20	64QAM	1	0	22.44	22.57	22.39		
20	64QAM	1	49	22.31	22.49	22.36	23.5	2
20	64QAM	1	99	22.40	22.55	22.43		
20	64QAM	50	0	21.11	21.30	21.24		
20	64QAM	50	24	21.09	21.22	21.04	22.5	3
20	64QAM	50	50	21.16	21.19	21.07		
20	64QAM	100	0	21.08	21.24	21.18		
20	256QAM	1	0	19.35	19.41	19.36		
20	256QAM	1	49	19.23	19.33	19.23	20.5	5
20	256QAM	1	99	19.33	19.44	19.28		
20	256QAM	50	0	19.21	19.31	19.09		
20	256QAM	50	24	19.09	19.19	19.12	20.5	5
20	256QAM	50	50	19.07	19.13	19.14		
20	256QAM	100	0	19.12	19.24	19.23		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.25	24.30	24.20	25.5	0
15	QPSK	1	37	24.14	24.24	24.09		
15	QPSK	1	74	24.11	24.25	24.18		
15	QPSK	36	0	23.14	23.21	23.19		
15	QPSK	36	20	22.94	23.17	23.03	24.5	1
15	QPSK	36	39	23.06	23.10	23.07		
15	QPSK	75	0	23.04	23.15	23.14		
15	16QAM	1	0	22.93	23.06	22.95		
15	16QAM	1	37	22.95	23.01	22.83	24.5	1
15	16QAM	1	74	22.99	22.94	22.90		
15	16QAM	36	0	22.04	22.25	22.13		
15	16QAM	36	20	22.00	22.12	22.07	23.5	2
15	16QAM	36	39	21.97	22.11	22.06		
15	16QAM	75	0	22.05	22.22	22.15		
15	64QAM	1	0	22.37	22.49	22.24		
15	64QAM	1	37	22.18	22.45	22.27	23.5	2
15	64QAM	1	74	22.26	22.43	22.38		
15	64QAM	36	0	20.96	21.25	21.19		
15	64QAM	36	20	21.01	21.12	20.95	22.5	3
15	64QAM	36	39	21.07	21.05	21.02		
15	64QAM	75	0	20.96	21.17	21.04		
15	256QAM	1	0	19.29	19.30	19.28		
15	256QAM	1	37	19.16	19.22	19.18	20.5	5
15	256QAM	1	74	19.21	19.38	19.22		
15	256QAM	36	0	19.06	19.27	18.98		
15	256QAM	36	20	19.06	19.14	19.07	20.5	5
15	256QAM	36	39	18.94	19.06	19.10		
15	256QAM	75	0	19.01	19.10	19.10		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.23	24.26	24.19	25.5	0
10	QPSK	1	25	24.11	24.24	24.16		
10	QPSK	1	49	24.20	24.22	24.26		
10	QPSK	25	0	23.08	23.26	23.23		
10	QPSK	25	12	22.99	23.13	23.11	24.5	1
10	QPSK	25	25	23.04	23.07	23.12		
10	QPSK	50	0	23.00	23.09	23.05		
10	16QAM	1	0	22.93	23.00	22.97		
10	16QAM	1	25	22.97	22.96	22.87	24.5	1
10	16QAM	1	49	22.96	22.93	22.83		
10	16QAM	25	0	22.05	22.25	22.10		
10	16QAM	25	12	21.94	22.17	21.98	23.5	2
10	16QAM	25	25	21.95	22.14	22.06		
10	16QAM	50	0	22.07	22.11	22.10		
10	64QAM	1	0	22.32	22.44	22.27		
10	64QAM	1	25	22.21	22.36	22.26	23.5	2
10	64QAM	1	49	22.36	22.41	22.33		
10	64QAM	25	0	21.04	21.20	21.10		
10	64QAM	25	12	21.05	21.16	20.92	22.5	3
10	64QAM	25	25	21.08	21.08	20.96		
10	64QAM	50	0	20.96	21.16	21.03		
10	256QAM	1	0	19.31	19.31	19.26		
10	256QAM	1	25	19.16	19.30	19.18	20.5	5
10	256QAM	1	49	19.19	19.37	19.14		
10	256QAM	25	0	19.12	19.19	18.94		
10	256QAM	25	12	18.96	19.13	19.01	20.5	5
10	256QAM	25	25	18.95	19.03	19.05		
10	256QAM	50	0	19.09	19.20	19.15		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.17	24.29	24.18	25.5	0
5	QPSK	1	12	24.14	24.24	24.13		
5	QPSK	1	24	24.14	24.25	24.18		
5	QPSK	12	0	23.10	23.19	23.17	24.5	1
5	QPSK	12	7	22.95	23.17	23.06		
5	QPSK	12	13	23.00	23.11	23.10		
5	QPSK	25	0	23.11	23.04	23.05		
5	16QAM	1	0	22.94	22.96	22.87	24.5	1
5	16QAM	1	12	22.92	22.95	22.90		
5	16QAM	1	24	22.98	23.02	22.85		
5	16QAM	12	0	21.99	22.15	22.11	23.5	2
5	16QAM	12	7	21.99	22.12	21.96		
5	16QAM	12	13	22.04	22.12	22.07		
5	16QAM	25	0	22.01	22.22	22.10		
5	64QAM	1	0	22.29	22.48	22.32	23.5	2
5	64QAM	1	12	22.17	22.45	22.23		
5	64QAM	1	24	22.35	22.48	22.37		
5	64QAM	12	0	21.06	21.22	21.13	22.5	3
5	64QAM	12	7	20.97	21.12	20.99		
5	64QAM	12	13	21.07	21.04	20.96		
5	64QAM	25	0	21.00	21.17	21.05		
5	256QAM	1	0	19.23	19.35	19.25	20.5	5
5	256QAM	1	12	19.12	19.24	19.19		
5	256QAM	1	24	19.20	19.41	19.21		
5	256QAM	12	0	19.12	19.19	18.96	20.5	5
5	256QAM	12	7	18.99	19.09	19.09		
5	256QAM	12	13	18.98	19.08	19.06		
5	256QAM	25	0	19.02	19.19	19.11		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.20	24.31	24.19	25.5	0
3	QPSK	1	8	24.10	24.18	24.17		
3	QPSK	1	14	24.17	24.20	24.17		
3	QPSK	8	0	23.16	23.20	23.22	24.5	1
3	QPSK	8	4	23.02	23.18	23.04		
3	QPSK	8	7	23.08	23.18	23.09		
3	QPSK	15	0	23.03	23.06	23.09		
3	16QAM	1	0	22.90	22.99	22.87	24.5	1
3	16QAM	1	8	22.96	23.05	22.91		
3	16QAM	1	14	22.93	23.04	22.90		
3	16QAM	8	0	22.00	22.19	22.11	23.5	2
3	16QAM	8	4	21.98	22.16	22.05		
3	16QAM	8	7	21.99	22.13	22.07		
3	16QAM	15	0	22.01	22.13	22.09		
3	64QAM	1	0	22.34	22.50	22.30	23.5	2
3	64QAM	1	8	22.25	22.43	22.25		
3	64QAM	1	14	22.36	22.44	22.36		
3	64QAM	8	0	20.98	21.22	21.19	22.5	3
3	64QAM	8	4	20.95	21.12	20.94		
3	64QAM	8	7	21.05	21.15	21.00		
3	64QAM	15	0	21.00	21.16	21.10		
3	256QAM	1	0	19.31	19.33	19.27	20.5	5
3	256QAM	1	8	19.15	19.24	19.19		
3	256QAM	1	14	19.25	19.31	19.20		
3	256QAM	8	0	19.14	19.24	18.95	20.5	5
3	256QAM	8	4	18.96	19.16	18.99		
3	256QAM	8	7	18.94	19.02	19.08		
3	256QAM	15	0	19.00	19.10	19.15		
Channel				18607	18900	19192	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.22	24.25	24.27	25.5	0
1.4	QPSK	1	3	24.07	24.20	24.16		
1.4	QPSK	1	5	24.17	24.23	24.20		
1.4	QPSK	3	0	24.14	24.22	24.20		
1.4	QPSK	3	1	24.09	24.26	24.17		
1.4	QPSK	3	3	24.19	24.21	24.16		
1.4	QPSK	6	0	23.06	23.20	23.15	24.5	1
1.4	16QAM	1	0	22.96	23.13	23.01	24.5	1
1.4	16QAM	1	3	23.02	23.10	23.12		
1.4	16QAM	1	5	23.05	23.05	23.12		
1.4	16QAM	3	0	22.93	23.06	22.88		
1.4	16QAM	3	1	22.93	23.01	22.81		
1.4	16QAM	3	3	22.91	22.94	22.84		
1.4	16QAM	6	0	21.98	22.25	22.07	23.5	2
1.4	64QAM	1	0	21.94	22.23	21.97	23.5	2
1.4	64QAM	1	3	21.92	22.12	22.05		
1.4	64QAM	1	5	22.04	22.19	22.12		
1.4	64QAM	3	0	22.39	22.53	22.32		
1.4	64QAM	3	1	22.27	22.38	22.28		
1.4	64QAM	3	3	22.34	22.45	22.39		
1.4	64QAM	6	0	21.07	21.19	21.12	22.5	3
1.4	256QAM	1	0	19.25	19.31	19.21	20.5	5
1.4	256QAM	1	3	19.12	19.25	19.10		
1.4	256QAM	1	5	19.28	19.32	19.14		
1.4	256QAM	3	0	19.10	19.21	18.97		
1.4	256QAM	3	1	18.98	19.08	19.06		
1.4	256QAM	3	3	19.09	19.12	19.04		
1.4	256QAM	6	0	19.02	19.19	19.16	20.5	5

Band 4 Ant1 Default

BW [MHz]	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	24.15	24.31	24.19	25.5	0
20	QPSK	1	49	24.17	24.21	24.12		
20	QPSK	1	99	24.03	24.16	24.21		
20	QPSK	50	0	23.15	23.23	23.14		
20	QPSK	50	24	22.97	23.20	23.11	24.5	1
20	QPSK	50	50	23.09	23.14	23.08		
20	QPSK	100	0	23.07	23.14	23.10		
20	16QAM	1	0	22.97	23.01	22.93		
20	16QAM	1	49	22.98	23.07	22.89	24.5	1
20	16QAM	1	99	22.87	22.96	22.86		
20	16QAM	50	0	22.02	22.16	22.08		
20	16QAM	50	24	21.97	22.15	22.01	23.5	2
20	16QAM	50	50	21.95	22.22	22.07		
20	16QAM	100	0	22.02	22.11	22.11		
20	64QAM	1	0	22.37	22.46	22.29		
20	64QAM	1	49	22.22	22.39	22.25	23.5	2
20	64QAM	1	99	22.27	22.50	22.30		
20	64QAM	50	0	20.98	21.21	21.13		
20	64QAM	50	24	20.97	21.12	20.91	22.5	3
20	64QAM	50	50	21.06	21.11	20.97		
20	64QAM	100	0	20.94	21.20	21.04		
20	256QAM	1	0	19.31	19.26	19.25		
20	256QAM	1	49	19.20	19.29	19.16	20.5	5
20	256QAM	1	99	19.18	19.31	19.21		
20	256QAM	50	0	19.12	19.22	18.99		
20	256QAM	50	24	18.99	19.09	19.02	20.5	5
20	256QAM	50	50	18.98	19.07	19.07		
20	256QAM	100	0	18.99	19.20	19.20		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.07	24.19	24.13	25.5	0
15	QPSK	1	37	24.10	24.11	24.04		
15	QPSK	1	74	24.08	24.11	24.10		
15	QPSK	36	0	23.04	23.14	23.03		
15	QPSK	36	20	22.94	23.12	23.02	24.5	1
15	QPSK	36	39	22.96	23.11	22.93		
15	QPSK	75	0	22.94	23.06	23.05		
15	16QAM	1	0	22.86	22.98	22.88		
15	16QAM	1	37	22.88	23.03	22.82	24.5	1
15	16QAM	1	74	22.83	22.82	22.74		
15	16QAM	36	0	21.98	22.03	21.95		
15	16QAM	36	20	21.92	22.04	21.92	23.5	2
15	16QAM	36	39	21.82	22.16	21.96		
15	16QAM	75	0	21.92	22.05	21.97		
15	64QAM	1	0	22.33	22.31	22.22		
15	64QAM	1	37	22.15	22.26	22.19	23.5	2
15	64QAM	1	74	22.16	22.43	22.21		
15	64QAM	36	0	20.94	21.15	20.98		
15	64QAM	36	20	20.87	21.07	20.83	22.5	3
15	64QAM	36	39	20.99	21.02	20.89		
15	64QAM	75	0	20.80	21.14	20.93		
15	256QAM	1	0	19.17	19.20	19.19		
15	256QAM	1	37	19.07	19.18	19.09	20.5	5
15	256QAM	1	74	19.12	19.26	19.13		
15	256QAM	36	0	18.99	19.15	18.87		
15	256QAM	36	20	18.86	19.04	18.87	20.5	5
15	256QAM	36	39	18.88	18.98	18.87		
15	256QAM	75	0	18.91	19.15	19.15		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.02	24.27	24.13	25.5	0
10	QPSK	1	25	24.10	24.11	23.97		
10	QPSK	1	49	23.97	24.17	24.10		
10	QPSK	25	0	23.07	23.18	23.02		
10	QPSK	25	12	22.93	23.16	23.01	24.5	1
10	QPSK	25	25	22.96	23.02	22.95		
10	QPSK	50	0	22.92	23.06	23.03		
10	16QAM	1	0	22.82	22.90	22.82		
10	16QAM	1	25	22.93	23.01	22.81	24.5	1
10	16QAM	1	49	22.73	22.88	22.82		
10	16QAM	25	0	21.93	22.02	21.97		
10	16QAM	25	12	21.84	22.06	21.88	23.5	2
10	16QAM	25	25	21.89	22.14	21.98		
10	16QAM	50	0	21.98	22.04	22.01		
10	64QAM	1	0	22.26	22.40	22.14		
10	64QAM	1	25	22.13	22.30	22.20	23.5	2
10	64QAM	1	49	22.13	22.39	22.22		
10	64QAM	25	0	20.90	21.06	21.08		
10	64QAM	25	12	20.92	21.00	20.78	22.5	3
10	64QAM	25	25	20.91	21.02	20.93		
10	64QAM	50	0	20.89	21.10	20.99		
10	256QAM	1	0	19.16	19.19	19.18		
10	256QAM	1	25	19.09	19.25	19.08	20.5	5
10	256QAM	1	49	19.03	19.22	19.11		
10	256QAM	25	0	19.05	19.18	18.84		
10	256QAM	25	12	18.91	19.00	18.89	20.5	5
10	256QAM	25	25	18.88	18.93	18.94		
10	256QAM	50	0	18.85	19.16	19.05		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.00	24.21	24.05	25.5	0
5	QPSK	1	12	24.10	24.08	24.02		
5	QPSK	1	24	23.98	24.09	24.12		
5	QPSK	12	0	23.01	23.19	23.04	24.5	1
5	QPSK	12	7	22.84	23.06	23.07		
5	QPSK	12	13	23.03	23.01	22.93		
5	QPSK	25	0	22.88	23.11	23.05		
5	16QAM	1	0	22.85	22.91	22.81	24.5	1
5	16QAM	1	12	22.87	23.01	22.82		
5	16QAM	1	24	22.81	22.93	22.78		
5	16QAM	12	0	21.87	22.03	21.95	23.5	2
5	16QAM	12	7	21.85	22.10	21.93		
5	16QAM	12	13	21.89	22.18	21.96		
5	16QAM	25	0	21.94	22.02	22.02		
5	64QAM	1	0	22.31	22.40	22.25	23.5	2
5	64QAM	1	12	22.07	22.26	22.19		
5	64QAM	1	24	22.13	22.39	22.20		
5	64QAM	12	0	20.95	21.12	21.06	22.5	3
5	64QAM	12	7	20.89	21.02	20.82		
5	64QAM	12	13	21.02	20.98	20.93		
5	64QAM	25	0	20.79	21.16	20.90		
5	256QAM	1	0	19.21	19.23	19.13	20.5	5
5	256QAM	1	12	19.12	19.22	19.12		
5	256QAM	1	24	19.08	19.23	19.10		
5	256QAM	12	0	19.08	19.14	18.90	20.5	5
5	256QAM	12	7	18.87	19.05	18.99		
5	256QAM	12	13	18.88	18.93	18.95		
5	256QAM	25	0	18.93	19.15	19.14		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.11	24.23	24.05	25.5	0
3	QPSK	1	8	24.06	24.15	23.98		
3	QPSK	1	14	24.06	24.15	24.16		
3	QPSK	8	0	23.11	23.10	23.05	24.5	1
3	QPSK	8	4	22.96	23.14	22.98		
3	QPSK	8	7	22.97	23.06	22.95		
3	QPSK	15	0	22.93	23.07	22.96		
3	16QAM	1	0	22.87	22.95	22.81	24.5	1
3	16QAM	1	8	22.84	22.97	22.84		
3	16QAM	1	14	22.79	22.83	22.82		
3	16QAM	8	0	21.94	22.12	21.99	23.5	2
3	16QAM	8	4	21.85	22.03	21.88		
3	16QAM	8	7	21.81	22.14	21.98		
3	16QAM	15	0	21.91	21.97	22.06		
3	64QAM	1	0	22.32	22.37	22.21	23.5	2
3	64QAM	1	8	22.14	22.36	22.18		
3	64QAM	1	14	22.20	22.35	22.19		
3	64QAM	8	0	20.92	21.15	21.01	22.5	3
3	64QAM	8	4	20.83	21.00	20.82		
3	64QAM	8	7	20.97	21.02	20.92		
3	64QAM	15	0	20.83	21.11	20.92		
3	256QAM	1	0	19.18	19.22	19.17	20.5	5
3	256QAM	1	8	19.10	19.20	19.09		
3	256QAM	1	14	19.10	19.19	19.15		
3	256QAM	8	0	18.99	19.11	18.93	20.5	5
3	256QAM	8	4	18.88	19.02	18.94		
3	256QAM	8	7	18.85	18.96	18.97		
3	256QAM	15	0	18.95	19.09	19.12		
Channel				19937	20175	20413	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.02	24.24	24.12	25.5	0
1.4	QPSK	1	3	24.02	24.14	24.02		
1.4	QPSK	1	5	23.98	24.16	24.17		
1.4	QPSK	3	0	24.10	24.23	24.12		
1.4	QPSK	3	1	24.05	24.18	24.01		
1.4	QPSK	3	3	24.00	24.12	24.07		
1.4	QPSK	6	0	23.00	23.20	23.02	24.5	1
1.4	16QAM	1	0	22.86	23.07	23.02	24.5	1
1.4	16QAM	1	3	23.04	23.04	23.04		
1.4	16QAM	1	5	22.93	23.04	22.98		
1.4	16QAM	3	0	22.91	22.96	22.88		
1.4	16QAM	3	1	22.91	22.93	22.81		
1.4	16QAM	3	3	22.75	22.92	22.72		
1.4	16QAM	6	0	21.96	22.08	22.05	23.5	2
1.4	64QAM	1	0	21.89	22.10	21.87	23.5	2
1.4	64QAM	1	3	21.82	22.13	22.04		
1.4	64QAM	1	5	21.88	22.03	22.01		
1.4	64QAM	3	0	22.27	22.37	22.20		
1.4	64QAM	3	1	22.14	22.25	22.21		
1.4	64QAM	3	3	22.20	22.38	22.27		
1.4	64QAM	6	0	20.89	21.16	20.99	22.5	3
1.4	256QAM	1	0	19.20	19.20	19.21	20.5	5
1.4	256QAM	1	3	19.13	19.16	19.06		
1.4	256QAM	1	5	19.14	19.19	19.15		
1.4	256QAM	3	0	19.01	19.16	18.88		
1.4	256QAM	3	1	18.93	19.05	18.91		
1.4	256QAM	3	3	18.84	18.98	19.02		
1.4	256QAM	6	0	18.88	19.13	19.08	20.5	5

Band 5 Ant1 Default

BW [MHz]	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	25.07	25.15	25.11	25.7	0
10	QPSK	1	25	25.04	25.07	25.01		
10	QPSK	1	49	24.95	25.13	25.05		
10	QPSK	25	0	24.01	24.10	24.01		
10	QPSK	25	12	23.94	24.04	23.98	24.7	1
10	QPSK	25	25	24.03	24.03	23.97		
10	QPSK	50	0	23.92	24.05	23.92		
10	16QAM	1	0	23.79	24.01	23.83		
10	16QAM	1	25	23.79	23.91	23.76	24.7	1
10	16QAM	1	49

Band 7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.41	23.44	23.37	25	0
20	QPSK	1	49	23.36	23.37	23.25		
20	QPSK	1	99	23.33	23.43	23.31		
20	QPSK	50	0	22.26	22.42	22.37	24	1
20	QPSK	50	24	22.15	22.40	22.26		
20	QPSK	50	50	22.34	22.41	22.33		
20	QPSK	100	0	22.18	22.36	22.26		
20	16QAM	1	0	22.06	22.29	22.10	24	1
20	16QAM	1	49	22.17	22.15	22.07		
20	16QAM	1	99	22.03	22.15	22.07		
20	16QAM	50	0	21.24	21.38	21.36	23	2
20	16QAM	50	24	21.19	21.33	21.23		
20	16QAM	50	50	21.18	21.34	21.20		
20	16QAM	100	0	21.20	21.31	21.33		
20	64QAM	1	0	21.23	21.28	21.14	23	2
20	64QAM	1	49	21.11	21.22	21.15		
20	64QAM	1	99	21.21	21.26	21.17		
20	64QAM	50	0	20.32	20.32	20.35	22	3
20	64QAM	50	24	20.16	20.33	20.19		
20	64QAM	50	50	20.28	20.30	20.15		
20	64QAM	100	0	20.27	20.34	20.25		
20	256QAM	1	0	18.44	18.61	18.40	20	5
20	256QAM	1	49	18.42	18.44	18.40		
20	256QAM	1	99	18.35	18.49	18.43		
20	256QAM	50	0	18.27	18.36	18.21	20	5
20	256QAM	50	24	18.19	18.36	18.21		
20	256QAM	50	50	18.13	18.24	18.19		
20	256QAM	100	0	18.19	18.34	18.31		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.35	23.41	23.36	25	0
15	QPSK	1	37	23.32	23.36	23.20		
15	QPSK	1	74	23.31	23.42	23.32		
15	QPSK	36	0	22.21	22.33	22.30	24	1
15	QPSK	36	20	22.13	22.34	22.26		
15	QPSK	36	39	22.26	22.34	22.24		
15	QPSK	75	0	22.20	22.27	22.20		
15	16QAM	1	0	22.03	22.22	22.10	24	1
15	16QAM	1	37	22.14	22.06	22.01		
15	16QAM	1	74	22.00	22.17	22.09		
15	16QAM	36	0	21.18	21.28	21.29	23	2
15	16QAM	36	20	21.15	21.30	21.13		
15	16QAM	36	39	21.15	21.27	21.11		
15	16QAM	75	0	21.16	21.24	21.33		
15	64QAM	1	0	21.21	21.26	21.09	23	2
15	64QAM	1	37	21.03	21.15	21.12		
15	64QAM	1	74	21.19	21.21	21.15		
15	64QAM	36	0	20.34	20.23	20.27	22	3
15	64QAM	36	20	20.14	20.24	20.12		
15	64QAM	36	39	20.19	20.24	20.07		
15	64QAM	75	0	20.24	20.33	20.24		
15	256QAM	1	0	18.40	18.52	18.42	20	5
15	256QAM	1	37	18.36	18.45	18.37		
15	256QAM	1	74	18.27	18.42	18.34		
15	256QAM	36	0	18.19	18.32	18.22	20	5
15	256QAM	36	20	18.11	18.28	18.22		
15	256QAM	36	39	18.05	18.21	18.13		
15	256QAM	75	0	18.16	18.29	18.21		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.30	23.39	23.34	25	0
10	QPSK	1	25	23.23	23.32	23.19		
10	QPSK	1	49	23.29	23.38	23.22		
10	QPSK	25	0	22.25	22.37	22.38	24	1
10	QPSK	25	12	22.16	22.33	22.26		
10	QPSK	25	25	22.27	22.43	22.28		
10	QPSK	50	0	22.14	22.35	22.27		
10	16QAM	1	0	22.15	22.26	22.10	24	1
10	16QAM	1	25	22.09	22.06	22.03		
10	16QAM	1	49	22.02	22.12	22.02		
10	16QAM	25	0	21.17	21.40	21.38	23	2
10	16QAM	25	12	21.10	21.31	21.18		
10	16QAM	25	25	21.18	21.36	21.15		
10	16QAM	50	0	21.16	21.29	21.27		
10	64QAM	1	0	21.21	21.23	21.13	23	2
10	64QAM	1	25	21.04	21.18	21.12		
10	64QAM	1	49	21.18	21.20	21.09		
10	64QAM	25	0	20.31	20.28	20.33	22	3
10	64QAM	25	12	20.13	20.30	20.21		
10	64QAM	25	25	20.30	20.21	20.07		
10	64QAM	50	0	20.25	20.25	20.18		
10	256QAM	1	0	18.35	18.61	18.33	20	5
10	256QAM	1	25	18.39	18.34	18.37		
10	256QAM	1	49	18.28	18.46	18.36		
10	256QAM	25	0	18.28	18.36	18.21	20	5
10	256QAM	25	12	18.17	18.35	18.16		
10	256QAM	25	25	18.12	18.24	18.14		
10	256QAM	50	0	18.10	18.27	18.30		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.31	23.35	23.27	25	0
5	QPSK	1	12	23.26	23.31	23.21		
5	QPSK	1	24	23.22	23.26	23.20		
5	QPSK	12	0	22.18	22.37	22.35	24	1
5	QPSK	12	7	22.07	22.39	22.22		
5	QPSK	12	13	22.25	22.38	22.29		
5	QPSK	25	0	22.10	22.35	22.17		
5	16QAM	1	0	22.07	22.28	22.06	24	1
5	16QAM	1	12	22.11	22.13	22.05		
5	16QAM	1	24	22.04	22.15	22.06		
5	16QAM	12	0	21.19	21.28	21.34	23	2
5	16QAM	12	7	21.09	21.29	21.24		
5	16QAM	12	13	21.13	21.28	21.15		
5	16QAM	25	0	21.13	21.30	21.35		
5	64QAM	1	0	21.24	21.26	21.14	23	2
5	64QAM	1	12	21.09	21.16	21.16		
5	64QAM	1	24	21.21	21.22	21.15		
5	64QAM	12	0	20.24	20.26	20.36	22	3
5	64QAM	12	7	20.12	20.33	20.14		
5	64QAM	12	13	20.29	20.28	20.05		
5	64QAM	25	0	20.19	20.33	20.24		
5	256QAM	1	0	18.43	18.56	18.40	20	5
5	256QAM	1	12	18.33	18.44	18.33		
5	256QAM	1	24	18.28	18.44	18.41		
5	256QAM	12	0	18.20	18.29	18.15	20	5
5	256QAM	12	7	18.20	18.34	18.15		
5	256QAM	12	13	18.03	18.16	18.11		
5	256QAM	25	0	18.14	18.34	18.27		

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BW [MHz]	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	24.45	24.49	24.42	25.5	0
20	QPSK	1	49	24.28	24.43	24.31		
20	QPSK	1	99	24.27	24.46	24.38		
20	QPSK	50	0	23.29	23.36	23.31	24.5	1
20	QPSK	50	24	23.26	23.32	23.21		
20	QPSK	50	50	23.29	23.35	23.26		
20	QPSK	100	0	23.22	23.31	23.28		
20	16QAM	1	0	23.12	23.19	23.06	24.5	1
20	16QAM	1	49	23.16	23.26	23.17		
20	16QAM	1	99	23.07	23.22	23.02		
20	16QAM	50	0	22.29	22.33	22.38	23.5	2
20	16QAM	50	24	22.22	22.29	22.21		
20	16QAM	50	50	22.22	22.28	22.26		
20	16QAM	100	0	22.27	22.40	22.32		
20	64QAM	1	0	22.18	22.29	22.13	23.5	2
20	64QAM	1	49	22.14	22.19	22.18		
20	64QAM	1	99	22.26	22.26	22.21		
20	64QAM	50	0	21.22	21.31	21.38	22.5	3
20	64QAM	50	24	21.16	21.27	21.24		
20	64QAM	50	50	21.31	21.29	21.24		
20	64QAM	100	0	21.23	21.33	21.24		
20	256QAM	1	0	19.50	19.57	19.45	20.5	5
20	256QAM	1	49	19.43	19.43	19.41		
20	256QAM	1	99	19.36	19.47	19.39		
20	256QAM	50	0	19.24	19.42	19.25	20.5	5
20	256QAM	50	24	19.27	19.29	19.25		
20	256QAM	50	50	19.20	19.27	19.20		
20	256QAM	100	0	19.16	19.28	19.25		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.40	24.44	24.34	25.5	0
15	QPSK	1	37	24.21	24.38	24.22		
15	QPSK	1	74	24.15	24.36	24.34		
15	QPSK	36	0	23.22	23.28	23.18	24.5	1
15	QPSK	36	20	23.18	23.18	23.07		
15	QPSK	36	39	23.24	23.31	23.19		
15	QPSK	75	0	23.16	23.16	23.18		
15	16QAM	1	0	22.98	23.12	23.00	24.5	1
15	16QAM	1	37	23.10	23.17	23.11		
15	16QAM	1	74	22.96	23.16	22.91		
15	16QAM	36	0	22.19	22.22	22.23	23.5	2
15	16QAM	36	20	22.16	22.22	22.15		
15	16QAM	36	39	22.10	22.20	22.15		
15	16QAM	75	0	22.21	22.33	22.22		
15	64QAM	1	0	22.10	22.23	22.09	23.5	2
15	64QAM	1	37	22.06	22.13	22.04		
15	64QAM	1	74	22.12	22.18	22.16		
15	64QAM	36	0	21.15	21.16	21.30	22.5	3
15	64QAM	36	20	21.08	21.20	21.09		
15	64QAM	36	39	21.26	21.23	21.14		
15	64QAM	75	0	21.10	21.22	21.16		
15	256QAM	1	0	19.45	19.52	19.42	20.5	5
15	256QAM	1	37	19.36	19.38	19.30		
15	256QAM	1	74	19.26	19.39	19.34		
15	256QAM	36	0	19.14	19.35	19.12	20.5	5
15	256QAM	36	20	19.13	19.19	19.10		
15	256QAM	36	39	19.16	19.18	19.15		
15	256QAM	75	0	19.06	19.23	19.16		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	24.36	24.40	24.27	25.5	0
10	QPSK	1	25	24.25	24.36	24.21		
10	QPSK	1	49	24.13	24.35	24.34		
10	QPSK	25	0	23.26	23.31	23.24	24.5	1
10	QPSK	25	12	23.19	23.19	23.06		
10	QPSK	25	25	23.24	23.26	23.22		
10	QPSK	50	0	23.10	23.20	23.18		
10	16QAM	1	0	22.99	23.13	22.93	24.5	1
10	16QAM	1	25	23.06	23.12	23.07		
10	16QAM	1	49	22.96	23.12	22.93		
10	16QAM	25	0	22.16	22.25	22.32	23.5	2
10	16QAM	25	12	22.16	22.23	22.09		
10	16QAM	25	25	22.16	22.14	22.14		
10	16QAM	50	0	22.24	22.35	22.19		
10	64QAM	1	0	22.11	22.23	22.00	23.5	2
10	64QAM	1	25	21.99	22.07	22.11		
10	64QAM	1	49	22.15	22.13	22.07		
10	64QAM	25	0	21.13	21.20	21.23	22.5	3
10	64QAM	25	12	21.08	21.16	21.12		
10	64QAM	25	25	21.16	21.19	21.18		
10	64QAM	50	0	21.13	21.21	21.12		
10	256QAM	1	0	19.42	19.52	19.31	20.5	5
10	256QAM	1	25	19.39	19.36	19.30		
10	256QAM	1	49	19.25	19.36	19.28		
10	256QAM	25	0	19.15	19.30	19.22	20.5	5
10	256QAM	25	12	19.22	19.15	19.21		
10	256QAM	25	25	19.06	19.23	19.07		
10	256QAM	50	0	19.05	19.23	19.11		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	24.32	24.36	24.29	25.5	0
5	QPSK	1	12	24.14	24.37	24.19		
5	QPSK	1	24	24.20	24.42	24.31		
5	QPSK	12	0	23.21	23.27	23.25	24.5	1
5	QPSK	12	7	23.19	23.28	23.15		
5	QPSK	12	13	23.18	23.22	23.13		
5	QPSK	25	0	23.08	23.19	23.20		
5	16QAM	1	0	23.03	23.16	23.02	24.5	1
5	16QAM	1	12	23.11	23.23	23.10		
5	16QAM	1	24	22.99	23.08	22.87		
5	16QAM	12	0	22.14	22.29	22.31	23.5	2
5	16QAM	12	7	22.08	22.15	22.16		
5	16QAM	12	13	22.16	22.25	22.22		
5	16QAM	25	0	22.12	22.36	22.27		
5	64QAM	1	0	22.05	22.14	22.06	23.5	2
5	64QAM	1	12	22.04	22.10	22.11		
5	64QAM	1	24	22.16	22.19	22.08		
5	64QAM	12	0	21.16	21.22	21.30	22.5	3
5	64QAM	12	7	21.03	21.23	21.17		
5	64QAM	12	13	21.21	21.21	21.18		
5	64QAM	25	0	21.14	21.29	21.09		
5	256QAM	1	0	19.39	19.47	19.35	20.5	5
5	256QAM	1	12	19.28	19.31	19.28		
5	256QAM	1	24	19.26	19.38	19.26		
5	256QAM	12	0	19.13	19.35	19.16	20.5	5
5	256QAM	12	7	19.19	19.21	19.17		
5	256QAM	12	13	19.09	19.24	19.15		
5	256QAM	25	0	19.07	19.21	19.19		
Channel				131942	132322	132657	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	24.36	24.41	24.31	25.5	0
3	QPSK	1	8	24.23	24.30	24.16		
3	QPSK	1	14	24.24	24.39	24.39		
3	QPSK	8	0	23.18	23.24	23.21	24.5	1
3	QPSK	8	4	23.12	23.19	23.18		
3	QPSK	8	7	23.16	23.23	23.14		
3	QPSK	15	0	23.13	23.27	23.23		
3	16QAM	1	0	23.04	23.15	22.91	24.5	1
3	16QAM	1	8	23.02	23.13	23.07		
3	16QAM	1	14	22.94	23.15	22.97		
3	16QAM	8	0	22.17	22.19	22.32	23.5	2
3	16QAM	8	4	22.13	22.22	22.13		
3	16QAM	8	7	22.13	22.16	22.13		
3	16QAM	15	0	22.19	22.30	22.22		
3	64QAM	1	0	22.13	22.20	22.01	23.5	2
3	64QAM	1	8	22.07	22.13	22.04		
3	64QAM	1	14	22.13	22.20	22.08		
3	64QAM	8	0	21.17	21.23	21.33	22.5	3
3	64QAM	8	4	21.05	21.15	21.09		
3	64QAM	8	7	21.20	21.21	21.21		
3	64QAM	15	0	21.16	21.19	21.19		
3	256QAM	1	0	19.37	19.48	19.39	20.5	5
3	256QAM	1	8	19.31	19.35	19.36		
3	256QAM	1	14	19.28	19.43	19.28		
3	256QAM	8	0	19.19	19.31	19.11	20.5	5
3	256QAM	8	4	19.13	19.16	19.15		
3	256QAM	8	7	19.16	19.14	19.05		
3	256QAM	15	0	19.11	19.16	19.19		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	24.40	24.43	24.35	25.5	0
1.4	QPSK	1	3	24.18	24.30	24.27		
1.4	QPSK	1	5	24.23	24.41	24.36		
1.4	QPSK	3	0	24.37	24.38	24.38		
1.4	QPSK	3	1	24.24	24.30	24.20		
1.4	QPSK	3	3	24.14	24.39	24.39		
1.4	QPSK	6	0	23.22	23.22	23.21	24.5	1
1.4	16QAM	1	0	23.16	23.18	23.09	24.5	1
1.4	16QAM	1	3	23.22	23.24	23.13		
1.4	16QAM	1	5	23.15	23.28	23.14		
1.4	16QAM	3	0	22.98	23.13	22.97		
1.4	16QAM	3	1	23.13	23.13	23.06		
1.4	16QAM	3	3	22.94	23.08	22.90		
1.4	16QAM	6	0	22.20	22.19	22.28	23.5	2
1.4	64QAM	1	0	22.15	22.18	22.16	23.5	2
1.4	64QAM	1	3	22.12	22.23	22.13		
1.4	64QAM	1	5	22.19	22.25	22.23		
1.4	64QAM	3	0	22.09	22.21	22.09		
1.4	64QAM	3	1	22.02	22.13	22.09		
1.4	64QAM	3	3	22.15	22.19	22.06		
1.4	64QAM	6	0	21.07	21.18	21.33	22.5	3
1.4	256QAM	1	0	19.44	19.45	19.34	20.5	5
1.4	256QAM	1	3	19.28	19.37	19.27		
1.4	256QAM	1	5	19.30	19.33	19.25		
1.4	256QAM	3	0	19.17	19.37	19.15		
1.4	256QAM	3	1	19.21	19.17	19.15		
1.4	256QAM	3	3	19.06	19.19	19.11		
1.4	256QAM	6	0	19.02	19.16	19.16	20.5	5

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.70	24.84	24.76	25.5	0
20	QPSK	1	49	24.65	24.71	24.58		
20	QPSK	1	99	24.61	24.74	24.79		
20	QPSK	50	0	23.56	23.79	23.71	24.5	1
20	QPSK	50	24	23.61	23.67	23.58		
20	QPSK	50	50	23.69	23.68	23.62		
20	QPSK	100	0	23.53	23.69	23.63		
20	16QAM	1	0	23.43	23.61	23.49	24.5	1
20	16QAM	1	49	23.51	23.54	23.50		
20	16QAM	1	99	23.42	23.55	23.45		
20	16QAM	50	0	22.65	22.75	22.69	23.5	2
20	16QAM	50	24	22.59	22.64	22.49		
20	16QAM	50	50	22.53	22.66	22.61		
20	16QAM	100	0	22.66	22.76	22.66		
20	64QAM	1	0	22.55	22.59	22.46	23.5	2
20	64QAM	1	49	22.48	22.58	22.57		
20	64QAM	1	99	22.61	22.57	22.54		
20	64QAM	50	0	21.62	21.73	21.67	22.5	3
20	64QAM	50	24	21.56	21.59	21.53		
20	64QAM	50	50	21.59	21.73	21.49		
20	64QAM	100	0	21.54	21.77	21.61		
20	256QAM	1	0	19.74	19.87	19.83	20.5	5
20	256QAM	1	49	19.78	19.69	19.67		
20	256QAM	1	99	19.77	19.83	19.76		
20	256QAM	50	0	19.63	19.66	19.61	20.5	5
20	256QAM	50	24	19.56	19.63	19.62		
20	256QAM	50	50	19.46	19.64	19.56		
20	256QAM	100	0	19.57	19.70	19.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.60	24.81	24.66	25.5	0
15	QPSK	1	37	24.53	24.60	24.43		
15	QPSK	1	74	24.51	24.66	24.64		
15	QPSK	36	0	23.53	23.68	23.66	24.5	1
15	QPSK	36	20	23.52	23.55	23.52		
15	QPSK	36	39	23.59	23.64	23.47		
15	QPSK	75	0	23.42	23.57	23.52		
15	16QAM	1	0	23.40	23.53	23.41	24.5	1
15	16QAM	1	37	23.41	23.45	23.40		
15	16QAM	1	74	23.29	23.49	23.39		
15	16QAM	36	0	22.51	22.60	22.64	23.5	2
15	16QAM	36	20	22.48	22.53	22.41		
15	16QAM	36	39	22.44	22.57	22.51		
15	16QAM	75	0	22.56	22.61	22.56		
15	64QAM	1	0	22.41	22.51	22.42	23.5	2
15	64QAM	1	37	22.41	22.45	22.54		
15	64QAM	1	74	22.57	22.50	22.49		
15	64QAM	36	0	21.57	21.67	21.62	22.5	3
15	64QAM	36	20	21.48	21.51	21.38		
15	64QAM	36	39	21.50	21.59	21.41		
15	64QAM	75	0	21.41	21.69	21.53		
15	256QAM	1	0	19.70	19.74	19.79	20.5	5
15	256QAM	1	37	19.72	19.63	19.58		
15	256QAM	1	74	19.72	19.70	19.62		
15	256QAM	36	0	19.48	19.55	19.52	20.5	5
15	256QAM	36	20	19.49	19.54	19.55		
15	256QAM	36	39	19.37	19.58	19.50		
15	256QAM	75	0	19.46	19.66	19.56		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.66	24.79	24.69	25.5	0
10	QPSK	1	25	24.59	24.63	24.49		
10	QPSK	1	49	24.52	24.70	24.67		
10	QPSK	25	0	23.53	23.74	23.57	24.5	1
10	QPSK	25	12	23.56	23.53	23.54		
10	QPSK	25	25	23.56	23.54	23.49		
10	QPSK	50	0	23.43	23.59	23.52		
10	16QAM	1	0	23.36	23.56	23.38	24.5	1
10	16QAM	1	25	23.42	23.51	23.44		
10	16QAM	1	49	23.34	23.43	23.31		
10	16QAM	25	0	22.57	22.63	22.59	23.5	2
10	16QAM	25	12	22.52	22.49	22.43		
10	16QAM	25	25	22.39	22.62	22.52		
10	16QAM	50	0	22.54	22.66	22.61		
10	64QAM	1	0	22.49	22.55	22.32	23.5	2
10	64QAM	1	25	22.35	22.43	22.48		
10	64QAM	1	49	22.56	22.48	22.50		
10	64QAM	25	0	21.49	21.68	21.55	22.5	3
10	64QAM	25	12	21.43	21.52	21.44		
10	64QAM	25	25	21.51	21.61	21.34		
10	64QAM	50	0	21.46	21.66	21.57		
10	256QAM	1	0	19.68	19.81	19.71	20.5	5
10	256QAM	1	25	19.66	19.56	19.55		
10	256QAM	1	49	19.68	19.73	19.66		
10	256QAM	25	0	19.60	19.60	19.58	20.5	5
10	256QAM	25	12	19.42	19.56	19.54		
10	256QAM	25	25	19.34	19.59	19.45		
10	256QAM	50	0	19.44	19.64	19.56		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.61	24.74	24.64	25.5	0
5	QPSK	1	12	24.52	24.64	24.46		
5	QPSK	1	24	24.49	24.62	24.71		
5	QPSK	12	0	23.44	23.68	23.61	24.5	1
5	QPSK	12	7	23.50	23.54	23.50		
5	QPSK	12	13	23.62	23.57	23.51		
5	QPSK	25	0	23.39	23.59	23.58		
5	16QAM	1	0	23.32	23.51	23.36	24.5	1
5	16QAM	1	12	23.40	23.43	23.43		
5	16QAM	1	24	23.39	23.40	23.38		
5	16QAM	12	0	22.58	22.71	22.63	23.5	2
5	16QAM	12	7	22.53	22.58	22.39		
5	16QAM	12	13	22.41	22.57	22.49		
5	16QAM	25	0	22.61	22.68	22.51		
5	64QAM	1	0	22.50	22.52	22.39	23.5	2
5	64QAM	1	12	22.41	22.51	22.54		
5	64QAM	1	24	22.58	22.49	22.45		
5	64QAM	12	0	21.56	21.70	21.61	22.5	3
5	64QAM	12	7	21.44	21.49	21.42		
5	64QAM	12	13	21.48	21.64	21.44		
5	64QAM	25	0	21.45	21.73	21.48		
5	256QAM	1	0	19.62	19.83	19.77	20.5	5
5	256QAM	1	12	19.64	19.56	19.58		
5	256QAM	1	24	19.69	19.70	19.68		
5	256QAM	12	0	19.57	19.56	19.48	20.5	5
5	256QAM	12	7	19.47	19.48	19.50		
5	256QAM	12	13	19.42	19.49	19.44		
5	256QAM	25	0	19.49	19.62	19.54		

Band 41 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.26	25.18	25.36	25.31	25.22	25.7	0
20	QPSK	1	49	25.12	25.15	25.23	25.09	25.09		
20	QPSK	1	99	25.14	25.11	25.30	25.25	25.20		
20	QPSK	50	0	24.18	24.08	24.25	24.21	24.19	24.7	1
20	QPSK	50	24	24.14	24.06	24.18	24.10	24.14		
20	QPSK	50	50	24.17	24.16	24.21	24.11	24.06		
20	QPSK	100	0	24.05	23.99	24.18	24.12	24.10		
20	16QAM	1	0	23.94	23.94	24.15	23.95	23.97	24.7	1
20	16QAM	1	49	23.96	23.93	24.12	23.94	23.98		
20	16QAM	1	99	23.88	23.91	24.00	23.89	23.86		
20	16QAM	50	0	23.13	23.17	23.20	23.20	23.07	23.7	2
20	16QAM	50	24	23.02	23.03	23.19	23.06	23.14		
20	16QAM	50	50	23.07	23.03	23.10	23.14	23.11		
20	16QAM	100	0	23.05	23.08	23.15	23.10	23.05		
20	64QAM	1	0	23.02	23.08	23.06	22.92	23.03	23.7	2
20	64QAM	1	49	22.92	22.91	23.09	23.07	22.95		
20	64QAM	1	99	23.07	23.09	23.12	23.05	23.02		
20	64QAM	50	0	22.14	22.09	22.21	22.23	22.07	22.7	3
20	64QAM	50	24	22.02	22.02	22.17	22.03	22.03		
20	64QAM	50	50	22.05	22.12	22.14	22.05	22.05		
20	64QAM	100	0	22.15	22.06	22.25	22.09	22.15		
20	256QAM	1	0	20.30	20.27	20.34	20.23	20.32	20.7	5
20	256QAM	1	49	20.10	20.28	20.25	20.15	20.14		
20	256QAM	1	99	20.29	20.19	20.32	20.25	20.18		
20	256QAM	50	0	20.11	20.10	20.16	20.10	20.07	20.7	5
20	256QAM	50	24	20.01	20.03	20.15	20.05	20.00		
20	256QAM	50	50	20.06	19.96	20.10	20.10	19.99		
20	256QAM	100	0	20.08	20.12	20.16	20.18	20.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.20	25.14	25.31	25.25	25.12	26	0
15	QPSK	1	37	25.05	25.02	25.19	25.05	25.05		
15	QPSK	1	74	25.00	25.03	25.16	25.16	25.12		
15	QPSK	36	0	24.10	23.93	24.12	24.11	24.13	24.7	1
15	QPSK	36	20	24.06	24.03	24.03	24.04	24.03		
15	QPSK	36	39	24.13	24.08	24.20	24.07	23.92		
15	QPSK	75	0	24.02	23.89	24.03	24.08	24.05		
15	16QAM	1	0	23.79	23.86	24.03	23.82	23.91	24.7	1
15	16QAM	1	37	23.84	23.84	23.99	23.85	23.92		
15	16QAM	1	74	23.78	23.81	23.90	23.75	23.75		
15	16QAM	36	0	23.09	23.08	23.14	23.12	22.98	23.7	2
15	16QAM	36	20	22.92	22.98	23.10	22.96	23.03		
15	16QAM	36	39	22.97	22.98	22.98	23.02	22.98		
15	16QAM	75	0	22.95	23.03	23.07	23.07	22.97		
15	64QAM	1	0	22.96	23.04	22.99	22.88	22.99	23.7	2
15	64QAM	1	37	22.80	22.82	23.03	22.96	22.82		
15	64QAM	1	74	22.93	22.98	22.99	22.97	22.91		
15	64QAM	36	0	22.02	21.95	22.17	22.16	22.00	22.7	3
15	64QAM	36	20	21.93	21.98	22.03	21.89	21.89		
15	64QAM	36	39	21.90	22.04	22.02	21.94	22.00		
15	64QAM	75	0	22.10	21.94	22.13	22.03	22.08		
15	256QAM	1	0	20.22	20.15	20.24	20.16	20.22	20.7	5
15	256QAM	1	37	20.05	20.13	20.10	20.09	20.10		
15	256QAM	1	74	20.23	20.09	20.19	20.11	20.04		
15	256QAM	36	0	20.06	19.96	20.09	19.96	20.04	20.7	5
15	256QAM	36	20	19.87	19.98	20.06	19.98	19.96		
15	256QAM	36	39	19.96	19.90	20.03	20.01	19.90		
15	256QAM	75	0	19.99	19.99	20.03	20.04	20.00		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.16	25.08	25.23	25.27	25.16	26	0
10	QPSK	1	25	25.08	25.05	25.12	25.02	25.00		
10	QPSK	1	49	25.08	25.07	25.19	25.19	25.13		
10	QPSK	25	0	24.11	24.00	24.15	24.13	24.14	24.7	1
10	QPSK	25	12	24.03	24.03	24.13	23.99	24.06		
10	QPSK	25	25	24.05	24.01	24.20	23.99	24.03		
10	QPSK	50	0	24.01	23.92	24.13	24.05	23.97		
10	16QAM	1	0	23.80	23.88	24.00	23.86	23.85	24.7	1
10	16QAM	1	25	23.82	23.82	23.97	23.81	23.93		
10	16QAM	1	49	23.82	23.81	23.94	23.77	23.81		
10	16QAM	25	0	23.05	23.06	23.16	23.08	23.00	23.7	2
10	16QAM	25	12	22.91	22.88	23.13	22.92	23.04		
10	16QAM	25	25	22.95	22.96	23.06	23.03	23.01		
10	16QAM	50	0	23.01	23.01	23.08	23.02	22.91		
10	64QAM	1	0	22.96	23.01	22.96	22.84	22.90	23.7	2
10	64QAM	1	25	22.83	22.85	23.03	22.95	22.92		
10	64QAM	1	49	22.98	22.97	23.04	22.93	22.97		
10	64QAM	25	0	22.03	21.94	22.15	22.15	21.98	22.7	3
10	64QAM	25	12	21.88	21.87	22.14	21.91	21.89		
10	64QAM	25	25	21.96	22.07	22.00	21.94	22.00		
10	64QAM	50	0	22.02	21.94	22.19	22.01	22.05		
10	256QAM	1	0	20.17	20.14	20.26	20.13	20.24	20.7	5
10	256QAM	1	25	20.02	20.16	20.21	20.06	20.07		
10	256QAM	1	49	20.21	20.07	20.22	20.18	20.05		
10	256QAM	25	0	19.99	19.96	20.07	19.97	19.97	20.7	5
10	256QAM	25	12	19.93	19.96	20.01	19.99	19.90		
10	256QAM	25	25	19.93	19.82	20.00	20.05	19.86		
10	256QAM	50	0	19.94	20.06	20.04	20.13	20.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.17	25.09	25.26	25.24	25.19	26	0
5	QPSK	1	12	25.06	25.11	25.14	24.98	25.03		
5	QPSK	1	24	25.11	25.05	25.15	25.13	25.08		
5	QPSK	12	0	24.03	24.01	24.20	24.11	24.15	24.7	1
5	QPSK	12	7	24.03	23.99	24.13	23.97	24.03		
5	QPSK	12	13	24.13	24.07	24.14	24.05	23.95		
5	QPSK	25	0	23.96	23.91	24.11	24.07	24.03		
5	16QAM	1	0	23.86	23.85	24.12	23.91	23.91	24.7	1
5	16QAM	1	12	23.81	23.88	24.05	23.85	23.85		
5	16QAM	1	24	23.81	23.87	23.88	23.83	23.80		
5	16QAM	12	0	23.10	23.07	23.10	23.16	22.98	23.7	2
5	16QAM	12	7	22.90	22.89	23.14	22.98	23.09		
5	16QAM	12	13	22.98	23.00	23.06	23.07	23.04		
5	16QAM	25	0	22.97	23.05	23.08	23.05	22.92		
5	64QAM	1	0	22.97	22.96	23.00	22.78	23.00	23.7	2
5	64QAM	1	12	22.87	22.86	23.05	23.02	22.84		
5	64QAM	1	24	22.95	22.99	23.05	22.95	22.92		
5	64QAM	12	0	22.07	22.01	22.10	22.16	22.01	22.7	3
5	64QAM	12	7	21.87	21.87	22.13	21.96	21.90		
5	64QAM	12	13	21.94	22.06	22.01	21.97	21.96		
5	64QAM	25	0	22.01	21.97	22.20	22.06	22.08		
5	256QAM	1	0	20.25	20.18	20.20	20.11	20.17	20.7	5
5	256QAM	1	12	20.02	20.14	20.21	20.02	20.03		
5	256QAM	1	24	20.22	20.04	20.27	20.21	20.07		
5	256QAM	12	0	19.97	20.05	20.04	20.06	20.02	20.7	5
5	256QAM	12	7	19.88	19.91	20.07	19.91	19.93		
5	256QAM	12	13	19.93	19.84	19.95	19.97	19.85		
5	256QAM	25	0	19.95	20.03	20.05	20.13	19.98		

GSM1900 Ant2 Default

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.03	30.15	30.12	31.00	21.03	21.15	21.12	22.00
GPRS 1 Tx slot	30.08	30.16	30.14	31.00	21.06	21.16	21.14	22.00
GPRS 2 Tx slots	27.06	27.21	27.14	28.00	21.06	21.21	21.14	22.00
GPRS 3 Tx slots	25.35	25.46	25.37	26.00	21.09	21.20	21.11	21.74
GPRS 4 Tx slots	23.99	24.12	24.04	25.00	20.99	21.12	21.04	22.00
EDGE 1 Tx slot	26.42	26.50	26.38	27.00	17.42	17.50	17.38	18.00
EDGE 2 Tx slots	23.57	23.65	23.57	24.00	17.57	17.65	17.57	18.00
EDGE 3 Tx slots	21.46	21.51	21.36	22.00	17.20	17.25	17.10	17.74
EDGE 4 Tx slots	21.67	21.79	21.76	22.00	18.67	18.79	18.76	19.00

WCDMA II Ant2 Default

WCDMA IV Ant2 Default

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.8	
3GPP Rel 99	AMR 12.2Kbps	24.38	24.45	24.41	25.00	23.87	23.96	23.92	25.00
3GPP Rel 99	RMC 12.2Kbps	24.42	24.49	24.46	25.00	23.91	23.98	23.94	25.00
3GPP Rel 6	HSDPA Subtest-1	23.44	23.45	23.47	24.00	22.98	22.95	22.99	24.00
3GPP Rel 6	HSDPA Subtest-2	23.94	23.44	23.36	24.00	22.94	22.95	22.90	24.00
3GPP Rel 6	HSDPA Subtest-3	22.89	23.01	22.97	23.50	22.38	22.53	22.45	23.50
3GPP Rel 6	HSDPA Subtest-4	22.78	22.97	22.92	23.50	22.30	22.46	22.42	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.34	23.43	23.46	24.00	22.87	22.98	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.25	23.34	23.34	24.00	22.80	22.93	22.86	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.84	22.99	22.86	23.50	22.25	22.43	22.31	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.77	22.92	22.86	23.50	22.18	22.31	22.40	23.50
3GPP Rel 6	HSUPA Subtest-1	23.26	23.31	23.28	24.00	22.77	22.83	22.82	24.00
3GPP Rel 6	HSUPA Subtest-2	21.34	21.46	21.35	22.00	20.94	20.97	20.93	22.00
3GPP Rel 6	HSUPA Subtest-3	22.45	22.48	22.53	23.00	21.94	21.99	22.02	23.00
3GPP Rel 6	HSUPA Subtest-4	21.28	21.42	21.37	22.00	20.81	20.91	20.79	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.46	23.37	24.00	22.75	22.91	22.79	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.97	21.04	21.02	21.50	20.37	20.56	20.46	21.50

Band 4 Ant2 Default

BW [MHz]	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	24.84	24.88	24.77	25.7	0
20	QPSK	1	49	24.71	24.80	24.75		
20	QPSK	1	99	24.68	24.86	24.79		
20	QPSK	50	0	23.80	23.82	23.76	24.7	1
20	QPSK	50	24	23.62	23.78	23.69		
20	QPSK	50	50	23.65	23.75	23.67		
20	QPSK	100	0	23.71	23.79	23.60		
20	16QAM	1	0	23.46	23.68	23.51	24.7	1
20	16QAM	1	49	23.51	23.56	23.51		
20	16QAM	1	99	23.51	23.60	23.41		
20	16QAM	50	0	22.63	22.79	22.70	23.7	2
20	16QAM	50	24	22.64	22.71	22.54		
20	16QAM	50	50	22.64	22.73	22.66		
20	16QAM	100	0	22.69	22.72	22.70		
20	64QAM	1	0	22.54	22.70	22.47	23.7	2
20	64QAM	1	49	22.48	22.65	22.62		
20	64QAM	1	99	22.59	22.68	22.55		
20	64QAM	50	0	21.65	21.79	21.77	22.7	3
20	64QAM	50	24	21.53	21.70	21.60		
20	64QAM	50	50	21.69	21.70	21.60		
20	64QAM	100	0	21.62	21.73	21.66		
20	256QAM	1	0	19.86	19.89	19.78	20.7	5
20	256QAM	1	49	19.72	19.75	19.79		
20	256QAM	1	99	19.74	19.93	19.82		
20	256QAM	50	0	19.73	19.82	19.60	20.7	5
20	256QAM	50	24	19.62	19.76	19.68		
20	256QAM	50	50	19.62	19.73	19.65		
20	256QAM	100	0	19.68	19.71	19.67		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.80	24.83	24.66	25.7	0
15	QPSK	1	37	24.61	24.72	24.69		
15	QPSK	1	74	24.60	24.81	24.66		
15	QPSK	36	0	23.72	23.68	23.64	24.7	1
15	QPSK	36	20	23.49	23.69	23.61		
15	QPSK	36	39	23.58	23.71	23.55		
15	QPSK	75	0	23.64	23.68	23.50		
15	16QAM	1	0	23.40	23.63	23.40	24.7	1
15	16QAM	1	37	23.40	23.42	23.37		
15	16QAM	1	74	23.43	23.52	23.36		
15	16QAM	36	0	22.59	22.65	22.60	23.7	2
15	16QAM	36	20	22.59	22.66	22.43		
15	16QAM	36	39	22.58	22.62	22.63		
15	16QAM	75	0	22.59	22.62	22.66		
15	64QAM	1	0	22.48	22.61	22.43	23.7	2
15	64QAM	1	37	22.38	22.61	22.52		
15	64QAM	1	74	22.51	22.59	22.42		
15	64QAM	36	0	21.54	21.73	21.70	22.7	3
15	64QAM	36	20	21.47	21.57	21.46		
15	64QAM	36	39	21.66	21.62	21.45		
15	64QAM	75	0	21.51	21.68	21.58		
15	256QAM	1	0	19.80	19.85	19.63	20.7	5
15	256QAM	1	37	19.63	19.61	19.71		
15	256QAM	1	74	19.67	19.87	19.69		
15	256QAM	36	0	19.66	19.73	19.45	20.7	5
15	256QAM	36	20	19.48	19.68	19.60		
15	256QAM	36	39	19.50	19.61	19.55		
15	256QAM	75	0	19.64	19.61	19.53		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.78	24.80	24.73	25.7	0
10	QPSK	1	25	24.58	24.68	24.69		
10	QPSK	1	49	24.64	24.78	24.75		
10	QPSK	25	0	23.70	23.78	23.71	24.7	1
10	QPSK	25	12	23.55	23.71	23.65		
10	QPSK	25	25	23.52	23.67	23.58		
10	QPSK	50	0	23.66	23.73	23.49		
10	16QAM	1	0	23.38	23.63	23.48	24.7	1
10	16QAM	1	25	23.44	23.46	23.37		
10	16QAM	1	49	23.39	23.54	23.36		
10	16QAM	25	0	22.58	22.76	22.64	23.7	2
10	16QAM	25	12	22.55	22.65	22.42		
10	16QAM	25	25	22.56	22.60	22.55		
10	16QAM	50	0	22.66	22.68	22.65		
10	64QAM	1	0	22.44	22.65	22.33	23.7	2
10	64QAM	1	25	22.41	22.54	22.55		
10	64QAM	1	49	22.46	22.62	22.40		
10	64QAM	25	0	21.56	21.72	21.72	22.7	3
10	64QAM	25	12	21.50	21.63	21.50		
10	64QAM	25	25	21.59	21.58	21.50		
10	64QAM	50	0	21.51	21.61	21.56		
10	256QAM	1	0	19.78	19.83	19.66	20.7	5
10	256QAM	1	25	19.58	19.67	19.67		
10	256QAM	1	49	19.65	19.81	19.78		
10	256QAM	25	0	19.68	19.70	19.49	20.7	5
10	256QAM	25	12	19.55	19.67	19.56		
10	256QAM	25	25	19.59	19.66	19.58		
10	256QAM	50	0	19.62	19.57	19.62		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.74	24.85	24.73	25.7	0
5	QPSK	1	12	24.66	24.74	24.70		
5	QPSK	1	24	24.59	24.77	24.68		
5	QPSK	12	0	23.71	23.71	23.67	24.7	1
5	QPSK	12	7	23.54	23.68	23.59		
5	QPSK	12	13	23.61	23.60	23.54		
5	QPSK	25	0	23.62	23.73	23.49		
5	16QAM	1	0	23.36	23.55	23.45	24.7	1
5	16QAM	1	12	23.40	23.46	23.37		
5	16QAM	1	24	23.43	23.56	23.26		
5	16QAM	12	0	22.51	22.67	22.64	23.7	2
5	16QAM	12	7	22.59	22.64	22.49		
5	16QAM	12	13	22.58	22.65	22.56		
5	16QAM	25	0	22.63	22.57	22.64		
5	64QAM	1	0	22.44	22.66	22.32	23.7	2
5	64QAM	1	12	22.42	22.58	22.56		
5	64QAM	1	24	22.46	22.62	22.48		
5	64QAM	12	0	21.59	21.67	21.65	22.7	3
5	64QAM	12	7	21.43	21.64	21.52		
5	64QAM	12	13	21.54	21.59	21.53		
5	64QAM	25	0	21.50	21.61	21.62		
5	256QAM	1	0	19.79	19.81	19.74	20.7	5
5	256QAM	1	12	19.59	19.64	19.75		
5	256QAM	1	24	19.61	19.87	19.70		
5	256QAM	12	0	19.61	19.73	19.57	20.7	5
5	256QAM	12	7	19.48	19.70	19.61		
5	256QAM	12	13	19.58	19.67	19.59		
5	256QAM	25	0	19.62	19.66	19.63		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.78	24.80	24.70	25.7	0
3	QPSK	1	8	24.60	24.70	24.63		
3	QPSK	1	14	24.64	24.82	24.67		
3	QPSK	8	0	23.65	23.73	23.70	24.7	1
3	QPSK	8	4	23.50	23.69	23.61		
3	QPSK	8	7	23.61	23.62	23.62		
3	QPSK	15	0	23.67	23.65	23.54		
3	16QAM	1	0	23.42	23.59	23.37	24.7	1
3	16QAM	1	8	23.45	23.48	23.40		
3	16QAM	1	14	23.41	23.45	23.28		
3	16QAM	8	0	22.58	22.69	22.56	23.7	2
3	16QAM	8	4	22.60	22.60	22.48		
3	16QAM	8	7	22.55	22.64	22.58		
3	16QAM	15	0	22.64	22.68	22.63		
3	64QAM	1	0	22.47	22.56	22.33	23.7	2
3	64QAM	1	8	22.43	22.56	22.59		
3	64QAM	1	14	22.56	22.58	22.40		
3	64QAM	8	0	21.52	21.67	21.71	22.7	3
3	64QAM	8	4	21.40	21.60	21.50		
3	64QAM	8	7	21.57	21.60	21.57		
3	64QAM	15	0	21.53	21.59	21.60		
3	256QAM	1	0	19.80	19.86	19.71	20.7	5
3	256QAM	1	8	19.58	19.67	19.68		
3	256QAM	1	14	19.69	19.87	19.67		
3	256QAM	8	0	19.58	19.74	19.45	20.7	5
3	256QAM	8	4	19.51	19.69	19.54		
3	256QAM	8	7	19.48	19.61	19.54		
3	256QAM	15	0	19.61	19.61	19.59		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.81	24.84	24.62	25.7	0
1.4	QPSK	1	3	24.62	24.73	24.61		
1.4	QPSK	1	5	24.58	24.82	24.75		
1.4	QPSK	3	0	24.76	24.77	24.74		
1.4	QPSK	3	1	24.68	24.69	24.62		
1.4	QPSK	3	3	24.63	24.81	24.74		
1.4	QPSK	6	0	23.72	23.75	23.66	24.7	1
1.4	16QAM	1	0	23.48	23.70	23.56	24.7	1
1.4	16QAM	1	3	23.60	23.70	23.53		
1.4	16QAM	1	5	23.64	23.73	23.47		
1.4	16QAM	3	0	23.42	23.56	23.41		
1.4	16QAM	3	1	23.39	23.49	23.41		
1.4	16QAM	3	3	23.45	23.48	23.30		
1.4	16QAM	6	0	22.57	22.69	22.58	23.7	2
1.4	64QAM	1	0	22.56	22.60	22.49	23.7	2
1.4	64QAM	1	3	22.51	22.69	22.58		
1.4	64QAM	1	5	22.65	22.68	22.60		
1.4	64QAM	3	0	22.51	22.58	22.41		
1.4	64QAM	3	1	22.43	22.60	22.58		
1.4	64QAM	3	3	22.47	22.61	22.46		
1.4	64QAM	6	0	21.61	21.73	21.69	22.7	3
1.4	256QAM	1	0	19.71	19.84	19.67	20.7	5
1.4	256QAM	1	3	19.65	19.66	19.75		
1.4	256QAM	1	5	19.61	19.81	19.76		
1.4	256QAM	3	0	19.66	19.77	19.51		
1.4	256QAM	3	1	19.49	19.67	19.54		
1.4	256QAM	3	3	19.54	19.63	19.50		
1.4	256QAM	6	0	19.57	19.64	19.59	20.7	5

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.94	23.98	23.85	25.5	0
20	QPSK	1	49	23.82	23.96	23.83		
20	QPSK	1	99	23.76	23.91	23.90		
20	QPSK	50	0	22.85	22.93	22.90	24.5	1
20	QPSK	50	24	22.78	22.87	22.85		
20	QPSK	50	50	22.74	22.83	22.77		
20	QPSK	100	0	22.88	22.90	22.81		
20	16QAM	1	0	22.61	22.76	22.68	24.5	1
20	16QAM	1	49	22.67	22.62	22.59		
20	16QAM	1	99	22.57	22.72	22.58		
20	16QAM	50	0	21.69	21.93	21.82	23.5	2
20	16QAM	50	24	21.80	21.84	21.65		
20	16QAM	50	50	21.78	21.81	21.83		
20	16QAM	100	0	21.79	21.78	21.76		
20	64QAM	1	0	21.59	21.83	21.58	23.5	2
20	64QAM	1	49	21.55	21.71	21.77		
20	64QAM	1	99	21.75	21.79	21.63		
20	64QAM	50	0	20.75	20.92	20.83	22.5	3
20	64QAM	50	24	20.61	20.80	20.69		
20	64QAM	50	50	20.85	20.83	20.75		
20	64QAM	100	0	20.78	20.85	20.76		
20	256QAM	1	0	18.94	19.04	18.95	20.5	5
20	256QAM	1	49	18.76	18.88	18.92		
20	256QAM	1	99	18.80	19.02	18.90		
20	256QAM	50	0	18.79	18.97	18.73	20.5	5
20	256QAM	50	24	18.79	18.81	18.73		
20	256QAM	50	50	18.71	18.82	18.73		
20	256QAM	100	0	18.73	18.78	18.73		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.83	23.92	23.75	25.5	0
15	QPSK	1	37	23.69	23.91	23.75		
15	QPSK	1	74	23.64	23.83	23.86		
15	QPSK	36	0	22.70	22.84	22.82	24.5	1
15	QPSK	36	20	22.68	22.80	22.74		
15	QPSK	36	39	22.71	22.70	22.66		
15	QPSK	75	0	22.78	22.78	22.75		
15	16QAM	1	0	22.53	22.70	22.64	24.5	1
15	16QAM	1	37	22.58	22.62	22.60		
15	16QAM	1	74	22.52	22.64	22.54		
15	16QAM	36	0	21.66	21.79	21.75	23.5	2
15	16QAM	36	20	21.68	21.76	21.56		
15	16QAM	36	39	21.73	21.72	21.76		
15	16QAM	75	0	21.67	21.68	21.72		
15	64QAM	1	0	21.70	21.79	21.74	23.5	2
15	64QAM	1	37	21.55	21.65	21.58		
15	64QAM	1	74	21.60	21.68	21.54		
15	64QAM	36	0	20.70	20.82	20.74	22.5	3
15	64QAM	36	20	20.53	20.67	20.57		
15	64QAM	36	39	20.76	20.76	20.61		
15	64QAM	75	0	20.72	20.81	20.72		
15	256QAM	1	0	18.87	18.99	18.91	20.5	5
15	256QAM	1	37	18.72	18.75	18.79		
15	256QAM	1	74	18.77	18.90	18.84		
15	256QAM	36	0	18.69	18.86	18.60	20.5	5
15	256QAM	36	20	18.69	18.67	18.70		
15	256QAM	36	39	18.62	18.71	18.69		
15	256QAM	75	0	18.64	18.75	18.60		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.83	23.94	23.72	25.5	0
10	QPSK	1	25	23.68	23.89	23.74		
10	QPSK	1	49	23.64	23.86	23.81		
10	QPSK	25	0	22.74	22.83	22.78	24.5	1
10	QPSK	25	12	22.65	22.75	22.74		
10	QPSK	25	25	22.66	22.77	22.72		
10	QPSK	50	0	22.76	22.87	22.66		
10	16QAM	1	0	22.52	22.68	22.56	24.5	1
10	16QAM	1	25	22.61	22.55	22.51		
10	16QAM	1	49	22.52	22.59	22.54		
10	16QAM	25	0	21.58	21.83	21.68	23.5	2
10	16QAM	25	12	21.72	21.74	21.52		
10	16QAM	25	25	21.68	21.67	21.76		
10	16QAM	50	0	21.75	21.72	21.73		
10	64QAM	1	0	21.67	21.71	21.62	23.5	2
10	64QAM	1	25	21.55	21.63	21.64		
10	64QAM	1	49	21.61	21.65	21.51		
10	64QAM	25	0	20.68	20.80	20.71	22.5	3
10	64QAM	25	12	20.53	20.73	20.64		
10	64QAM	25	25	20.81	20.79	20.61		
10	64QAM	50	0	20.73	20.77	20.63		
10	256QAM	1	0	18.90	18.93	18.86	20.5	5
10	256QAM	1	25	18.74	18.80	18.86		
10	256QAM	1	49	18.68	18.89	18.85		
10	256QAM	25	0	18.67	18.87	18.64	20.5	5
10	256QAM	25	12	18.65	18.75	18.62		
10	256QAM	25	25	18.56	18.67	18.59		
10	256QAM	50	0	18.65	18.74	18.67		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.84	23.92	23.79	25.5	0
5	QPSK	1	12	23.73	23.92	23.75		
5	QPSK	1	24	23.68	23.86	23.78		
5	QPSK	12	0	22.81	22.86	22.82	24.5	1
5	QPSK	12	7	22.72	22.76	22.80		
5	QPSK	12	13	22.65	22.70	22.74		
5	QPSK	25	0	22.82	22.84	22.77		
5	16QAM	1	0	22.59	22.71	22.61	24.5	1
5	16QAM	1	12	22.57	22.55	22.54		
5	16QAM	1	24	22.51	22.61	22.52		
5	16QAM	12	0	21.57	21.81	21.68	23.5	2
5	16QAM	12	7	21.71	21.72	21.51		
5	16QAM	12	13	21.73	21.75	21.80		
5	16QAM	25	0	21.74	21.73	21.68		
5	64QAM	1	0	21.51	21.69	21.52	23.5	2
5	64QAM	1	12	21.61	21.68	21.64		
5	64QAM	1	24	21.69	21.73	21.57		
5	64QAM	12	0	20.64	20.85	20.79	22.5	3
5	64QAM	12	7	20.70	20.76	20.65		
5	64QAM	12	13	20.72	20.78	20.68		
5	64QAM	25	0	20.75	20.70	20.66		
5	256QAM	1	0	18.86	18.99	18.87	20.5	5
5	256QAM	1	12	18.71	18.76	18.79		
5	256QAM	1	24	18.75	18.91	18.82		
5	256QAM	12	0	18.69	18.91	18.65	20.5	5
5	256QAM	12	7	18.76	18.68	18.60		
5	256QAM	12	13	18.64	18.74	18.58		
5	256QAM	25	0	18.62	18.65	18.66		

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BW [MHz]	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	24.89	24.95	24.87	25.7	0
20	QPSK	1	49	24.73	24.82	24.72		
20	QPSK	1	99	24.76	24.93	24.80		
20	QPSK	50	0	23.73	23.89	23.75	24.7	1
20	QPSK	50	24	23.66	23.77	23.62		
20	QPSK	50	50	23.71	23.84	23.72		
20	QPSK	100	0	23.73	23.92	23.78		
20	16QAM	1	0	23.57	23.71	23.55	24.7	1
20	16QAM	1	49	23.60	23.60	23.60		
20	16QAM	1	99	23.55	23.66	23.50		
20	16QAM	50	0	22.71	22.81	22.80	23.7	2
20	16QAM	50	24	22.68	22.76	22.68		
20	16QAM	50	50	22.73	22.77	22.69		
20	16QAM	100	0	22.70	22.77	22.77		
20	64QAM	1	0	22.58	22.67	22.57	23.7	2
20	64QAM	1	49	22.55	22.68	22.64		
20	64QAM	1	99	22.62	22.66	22.59		
20	64QAM	50	0	21.72	21.75	21.74	22.7	3
20	64QAM	50	24	21.68	21.77	21.61		
20	64QAM	50	50	21.70	21.85	21.60		
20	64QAM	100	0	21.68	21.83	21.68		
20	256QAM	1	0	19.94	19.95	19.82	20.7	5
20	256QAM	1	49	19.76	19.89	19.79		
20	256QAM	1	99	19.80	19.94	19.82		
20	256QAM	50	0	19.67	19.82	19.64	20.7	5
20	256QAM	50	24	19.65	19.70	19.74		
20	256QAM	50	50	19.61	19.76	19.64		
20	256QAM	100	0	19.63	19.77	19.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.74	24.88	24.81	25.7	0
15	QPSK	1	37	24.59	24.76	24.61		
15	QPSK	1	74	24.62	24.86	24.67		
15	QPSK	36	0	23.58	23.85	23.66	24.7	1
15	QPSK	36	20	23.55	23.63	23.52		
15	QPSK	36	39	23.64	23.72	23.57		
15	QPSK	75	0	23.63	23.74	23.65		
15	16QAM	1	0	23.47	23.61	23.43	24.7	1
15	16QAM	1	37	23.47	23.55	23.50		
15	16QAM	1	74	23.44	23.62	23.41		
15	16QAM	36	0	22.64	22.72	22.76	23.7	2
15	16QAM	36	20	22.54	22.69	22.60		
15	16QAM	36	39	22.65	22.72	22.65		
15	16QAM	75	0	22.63	22.74	22.66		
15	64QAM	1	0	22.45	22.63	22.46	23.7	2
15	64QAM	1	37	22.41	22.62	22.54		
15	64QAM	1	74	22.54	22.53	22.52		
15	64QAM	36	0	21.58	21.61	21.70	22.7	3
15	64QAM	36	20	21.64	21.74	21.53		
15	64QAM	36	39	21.59	21.75	21.46		
15	64QAM	75	0	21.61	21.79	21.64		
15	256QAM	1	0	19.85	19.90	19.70	20.7	5
15	256QAM	1	37	19.74	19.76	19.72		
15	256QAM	1	74	19.74	19.80	19.72		
15	256QAM	36	0	19.57	19.71	19.51	20.7	5
15	256QAM	36	20	19.52	19.56	19.63		
15	256QAM	36	39	19.52	19.63	19.57		
15	256QAM	75	0	19.53	19.71	19.68		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	24.81	24.86	24.75	25.7	0
10	QPSK	1	25	24.62	24.72	24.63		
10	QPSK	1	49	24.62	24.82	24.73		
10	QPSK	25	0	23.69	23.79	23.60	24.7	1
10	QPSK	25	12	23.55	23.64	23.54		
10	QPSK	25	25	23.54	23.78	23.65		
10	QPSK	50	0	23.63	23.74	23.72		
10	16QAM	1	0	23.44	23.61	23.44	24.7	1
10	16QAM	1	25	23.56	23.46	23.47		
10	16QAM	1	49	23.44	23.56	23.41		
10	16QAM	25	0	22.56	22.70	22.74

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.38	24.45	24.40		
20	QPSK	1	49	24.24	24.37	24.29	25.7	0
20	QPSK	1	99	24.31	24.41	24.38		
20	QPSK	50	0	23.37	23.39	23.33		
20	QPSK	50	24	23.21	23.28	23.20	24.7	1
20	QPSK	50	50	23.26	23.35	23.20		
20	QPSK	100	0	23.22	23.32	23.28		
20	16QAM	1	0	23.04	23.19	23.02		
20	16QAM	1	49	23.12	23.16	23.11	24.7	1
20	16QAM	1	99	23.01	23.11	23.00		
20	16QAM	50	0	22.23	22.35	22.23		
20	16QAM	50	24	22.12	22.32	22.16	23.7	2
20	16QAM	50	50	22.13	22.24	22.26		
20	16QAM	100	0	22.17	22.29	22.24		
20	64QAM	1	0	22.15	22.18	22.09		
20	64QAM	1	49	21.99	22.17	22.06	23.7	2
20	64QAM	1	99	22.15	22.23	22.07		
20	64QAM	50	0	21.23	21.35	21.25		
20	64QAM	50	24	21.12	21.30	21.09	22.7	3
20	64QAM	50	50	21.22	21.34	21.21		
20	64QAM	100	0	21.25	21.36	21.23		
20	256QAM	1	0	19.39	19.51	19.38		
20	256QAM	1	49	19.26	19.33	19.34	20.7	5
20	256QAM	1	99	19.28	19.47	19.30		
20	256QAM	50	0	19.22	19.26	19.24		
20	256QAM	50	24	19.19	19.26	19.21	20.7	5
20	256QAM	50	50	19.13	19.25	19.14		
20	256QAM	100	0	19.21	19.25	19.23		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.24	24.38	24.37		
15	QPSK	1	37	24.10	24.31	24.26	25.7	0
15	QPSK	1	74	24.24	24.36	24.30		
15	QPSK	36	0	23.34	23.29	23.22		
15	QPSK	36	20	23.10	23.21	23.11	24.7	1
15	QPSK	36	39	23.22	23.25	23.11		
15	QPSK	75	0	23.11	23.20	23.17		
15	16QAM	1	0	22.96	23.13	22.87		
15	16QAM	1	37	23.00	23.06	22.99	24.7	1
15	16QAM	1	74	22.93	23.07	22.92		
15	16QAM	36	0	22.18	22.24	22.10		
15	16QAM	36	20	22.03	22.29	22.08	23.7	2
15	16QAM	36	39	22.03	22.18	22.20		
15	16QAM	75	0	22.04	22.17	22.14		
15	64QAM	1	0	22.11	22.10	21.94		
15	64QAM	1	37	21.93	22.14	21.97	23.7	2
15	64QAM	1	74	22.06	22.09	22.01		
15	64QAM	36	0	21.10	21.32	21.13		
15	64QAM	36	20	20.98	21.27	21.02	22.7	3
15	64QAM	36	39	21.13	21.30	21.17		
15	64QAM	75	0	21.14	21.28	21.15		
15	256QAM	1	0	19.29	19.48	19.28		
15	256QAM	1	37	19.22	19.22	19.23	20.7	5
15	256QAM	1	74	19.15	19.42	19.15		
15	256QAM	36	0	19.10	19.20	19.14		
15	256QAM	36	20	19.10	19.17	19.07	20.7	5
15	256QAM	36	39	19.02	19.13	19.04		
15	256QAM	75	0	19.11	19.17	19.12		
Channel				37900	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.29	24.37	24.32		
10	QPSK	1	25	24.09	24.24	24.18	25.7	0
10	QPSK	1	49	24.22	24.37	24.31		
10	QPSK	25	0	23.28	23.34	23.24		
10	QPSK	25	12	23.12	23.19	23.11	24.7	1
10	QPSK	25	25	23.23	23.24	23.11		
10	QPSK	50	0	23.18	23.17	23.23		
10	16QAM	1	0	23.01	23.14	22.90		
10	16QAM	1	25	23.05	23.11	22.98	24.7	1
10	16QAM	1	49	22.90	23.02	22.88		
10	16QAM	25	0	22.11	22.26	22.17		
10	16QAM	25	12	22.04	22.18	22.11	23.7	2
10	16QAM	25	25	22.00	22.09	22.11		
10	16QAM	50	0	22.08	22.21	22.11		
10	64QAM	1	0	22.07	22.06	21.96		
10	64QAM	1	25	21.89	22.10	21.95	23.7	2
10	64QAM	1	49	22.03	22.18	21.96		
10	64QAM	25	0	21.19	21.27	21.18		
10	64QAM	25	12	20.99	21.16	21.01	22.7	3
10	64QAM	25	25	21.07	21.22	21.12		
10	64QAM	50	0	21.13	21.31	21.19		
10	256QAM	1	0	19.34	19.38	19.32		
10	256QAM	1	25	19.23	19.28	19.30	20.7	5
10	256QAM	1	49	19.14	19.39	19.24		
10	256QAM	25	0	19.13	19.19	19.16		
10	256QAM	25	12	19.16	19.15	19.12	20.7	5
10	256QAM	25	25	18.99	19.21	19.02		
10	256QAM	50	0	19.13	19.11	19.12		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.24	24.34	24.33		
5	QPSK	1	12	24.14	24.27	24.20	25.7	0
5	QPSK	1	24	24.17	24.38	24.28		
5	QPSK	12	0	23.29	23.30	23.26		
5	QPSK	12	7	23.14	23.15	23.12	24.7	1
5	QPSK	12	13	23.22	23.28	23.07		
5	QPSK	25	0	23.19	23.25	23.18		
5	16QAM	1	0	22.97	23.14	22.97		
5	16QAM	1	12	23.07	23.12	22.99	24.7	1
5	16QAM	1	24	22.93	23.06	22.93		
5	16QAM	12	0	22.11	22.31	22.15		
5	16QAM	12	7	22.01	22.23	22.13	23.7	2
5	16QAM	12	13	22.00	22.18	22.17		
5	16QAM	25	0	22.08	22.16	22.18		
5	64QAM	1	0	22.11	22.05	22.05		
5	64QAM	1	12	21.92	22.08	21.94	23.7	2
5	64QAM	1	24	22.02	22.18	21.93		
5	64QAM	12	0	21.16	21.24	21.20		
5	64QAM	12	7	21.00	21.22	21.02	22.7	3
5	64QAM	12	13	21.14	21.30	21.18		
5	64QAM	25	0	21.20	21.24	21.19		
5	256QAM	1	0	19.34	19.36	19.30		
5	256QAM	1	12	19.17	19.27	19.31	20.7	5
5	256QAM	1	24	19.13	19.35	19.21		
5	256QAM	12	0	19.16	19.13	19.14		
5	256QAM	12	7	19.05	19.14	19.17	20.7	5
5	256QAM	12	13	19.03	19.14	19.09		
5	256QAM	25	0	19.15	19.18	19.11		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2608	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.48	24.59	24.67	24.62	24.53		
20	QPSK	1	49	24.41	24.40	24.60	24.52	24.49	25.7	0
20	QPSK	1	99	24.39	24.58	24.58	24.57	24.55		
20	QPSK	50	0	23.46	23.59	23.62	23.56	23.54		
20	QPSK	50	24	23.40	23.51	23.59	23.53	23.54	24.7	1
20	QPSK	50	50	23.41	23.44	23.53	23.49	23.48		
20	QPSK	100	0	23.37	23.48	23.55	23.50	23.46		
20	16QAM	1	0	23.21	23.20	23.39	23.18	23.32		
20	16QAM	1	49	23.26	23.37	23.39	23.36	23.30	24.7	1
20	16QAM	1	99	23.19	23.23	23.30	23.19	23.23		
20	16QAM	50	0	22.42	22.50	22.60	22.57	22.51		
20	16QAM	50	24	22.45	22.43	22.58	22.46	22.52	23.7	2
20	16QAM	50	50	22.39	22.48	22.56	22.60	22.50		
20	16QAM	100	0	22.42	22.46	22.56	22.55	22.47		
20	64QAM	1	0	22.35	22.48	22.44	22.39	22.38		
20	64QAM	1	49	22.31	22.30	22.46	22.33	22.40	23.7	2
20	64QAM	1	99	22.40	22.45	22.59	22.35	22.55		
20	64QAM	50	0	21.47	21.55	21.70	21.60	21.57		
20	64QAM	50	24	21.37	21.41	21.56	21.37	21.42	22.7	3
20	64QAM	50	50	21.41	21.47	21.64	21.48	21.49		
20	64QAM	100	0	21.36	21.56	21.71	21.51	21.68		
20	256QAM	1	0	19.58	19.69	19.77	19.69	19.69		
20	256QAM	1	49	19.57	19.58	19.68	19.67	19.58	20.7	5
20	256QAM	1	99	19.58	19.64	19.75	19.64	19.70		
20	256QAM	50	0	19.40	19.56	19.57	19.57	19.43		
20	256QAM	50	24	19.50	19.55	19.60	19.50	19.57	20.7	5
20	256QAM	50	50	19.36	19.38	19.54	19.43	19.40		
20	256QAM	100	0	19.40	19.46	19.51	19.41	19.52		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2603.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.37	24.46	24.64	24.49	24.38		
15	QPSK	1	37	24.38	24.34	24.52	24.47	24.42	26	0
15	QPSK	1	74	24.27	24.47	24.53	24.51	24.50		
15	QPSK	36	0	23.36	23.45	23.58	23.44	23.47		
15	QPSK	36	20	23.27	23.41	23.50	23.49	23.48	24.7	1
15	QPSK	36	39	23.32	23.30	23.46	23.46	23.36		
15	QPSK	75	0	23.27	23.42	23.48	23.45	23.40		
15	16QAM	1	0	23.16	23.17	23.30	23.08	23.25		
15	16QAM	1	37	23.14	23.31	23.35	23.30	23.21	24.7	1
15	16QAM	1	74	23.06	23.14	23.24	23.15	23.10		
15	16QAM	36	0	22.37	22.39	22.48	22.44	22.38		
15	16QAM	36	20	22.32	22.36	22.43	22.39	22.40	23.7	2
15	16QAM	36	39	22.26	22.35	22.49	22.50	22.38		
15	16QAM	75	0	22.30	22.39	22.53	22.49	22.42		
15	64QAM	1	0	22.22	22.42	22.41	22.28	22.25		
15	64QAM	1	37	22.22	22.24	22.41	22.30	22.27	23.7	2
15	64QAM	1	74	22.28	22.39	22.52	22.21	22.44		
15	64QAM	36	0	21.43	21.50	21.58	21.57	21.53		
15	64QAM	36	20	21.25	21.37	21.50	21.24	21.36	22.7	3
15	64QAM	36	39	21.32	21.37	21.50	21.37	21.36		
15	64QAM	75	0	21.24	21.42	21.65	21.43	21.54		
15	256QAM	1	0	19.48	19.56	19.67	19.65	19.54		
15	256QAM	1	37	19.46	19.46	19.60	19.63	19.54	20.7	5
15	256QAM	1	74	19.45	19.52	19.68	19.54	19.66		
15	256QAM	36	0	19.32	19.48	19.47	19.48	19.38		
15	256QAM	36	20	19.42	19.50	19.51	19.36	19.49	20.7	5
15	256QAM	36	39	19.29	19.28	19.49	19.39	19.31		
15	256QAM	75	0	19.31	19.46	19.47	19.42	19.45		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.36	24.55	24.57	24.50	24.44		
10	QPSK	1	25	24.33	24.25	24.45	24.48	24.39	26	0
10	QPSK	1	49	24.26	24.54	24.52	24.48	24.44		
10	QPSK	25	0	23.39	23.53	23.52	23.50	23.41		
10	QPSK	25	12	23.35	23.39	23.52	23.40	23.45	24.7	1
10	QPSK	25	25	23.35	23.29	23.48	23.38	23.38		
10	QPSK	50	0	23.26	23.41	23.43	23.44	23.36		
10	16QAM	1	0	23.12	23.10	23.36	23.04	23.27		
10	16QAM	1	25	23.14	23.28	23.33	23.33	23.23	24.7	1
10	16QAM	1	49	23.05	23.18	23.17	23.07	23.18		
10	16QAM	25	0	22.31	22.42	22.45	22.53	22.38		
10	16QAM	25	12	22.35	22.33	22.52	22.41	22.40	23.7	2
10	16QAM	25	25	22.32	22.36	22.46	22.54	22.45		
10	16QAM	50	0	22.34	22.33	22.52	22.45	22.36		
10	64QAM	1	0	22.22	22.42	22.37	22.26	22.34		
10	64QAM	1	25	22.23	22.18	22.36	22.18	22.31	23.7	2
10	64QAM	1	49	22.33	22.40	22.52	22.21	22.48		
10	64QAM	25	0	21.43	21.50	21.58	21.55	21.43		
10	64QAM	25	12	21.30	21.28	21.47	21.29	21.33	22.7	3
10	64QAM	25	25	21.45	21.37	21.59	21.44	21.36		
10	64QAM	50	0	21.24	21.52	21.66	21.38	21.59		
10	256QAM	1	0	19.50	19.61	19.65	19.56	19.56		
10	256QAM	1	25	19.45	19.51	19.57	19.52	19.44	20.7	5
10	256QAM	1	49	19.44	19.50	19.62	19.52	19.61		
10	256QAM	25	0	19.27	19.45	19.43	19.44	19.33		
10	256QAM	25	12	19.38	19.48	19.50	19.35	19.43	20.7	5
10	256QAM	25	25	19.29	19.28	19.46	19.39	19.27		
10	256QAM	50	0	19.34	19.40	19.51	19.50	19.44		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.35	24.55	24.58	24.50	24.49		
5	QPSK	1	12	24.26	24.35	24.49	24.40	24.39	26	0
5	QPSK	1	24	24.31	24.49	24.52	24.48	24.42		
5	QPSK	12	0	23.36	23.50	23.58	23.43	23.43		
5	QPSK	12	7	23.28	23.39	23.45	23.43	23.42	24.7	1
5	QPSK	12	13	23.35	23.40	23.40	23.38	23.34		
5	QPSK	25	0	23.30	23.38	23.51	23.39	23.39		
5	16QAM	1	0	23.13	23.06	23.29	23.11	23.26		
5	16QAM	1	12	23.16	23.31	23.29	23.28	23.16	24.7	1
5	16QAM	1	24	23.09	23.13	23.20	23.08	23.17		
5	16QAM	12	0	22.30	22.42	22.56	22.45	22.42		
5	16QAM	12	7	22.31	22.40	22.47	22.40	22.46	23.7	2
5	16QAM	12	13	22.26	22.41	22.52	22.57	22.38		
5	16QAM	25	0	22.36	22.34	22.45	22.48	22.43		
5	64QAM	1	0	22.32	22.35	22.36	22.34	22.29		
5	64QAM	1	12	22.30	22.24	22.31	22.20	22.31	23.7	2
5	64QAM	1	24	22.28	22.41	22.48	22.31	22.43		
5	64QAM	12	0	21.42	21.49	21.64	21.57	21.45		
5	64QAM	12	7	21.26	21.30	21.45	21.32	21.36	22.7	3
5	64QAM	12	13	21.34	21.33	21.49	21.41	21.44		
5	64QAM	25	0	21.27	21.51	21.58	21.41	21.57		
5	256QAM	1	0	19.47	19.59	19.72	19.65	19.58		
5	256QAM	1	12	19.49	19.43	19.60	19.55	19.45	20.7	5
5	256QAM	1	24	19.52	19.50	19.62	19.54	19.57		
5	256QAM	12	0	19.36	19.43	19.51	19.50	19.30		
5	256QAM	12	7	19.38	19.48	19.52	19.45	19.43	20.7	5
5	256QAM	12	13	19.21	19.26	19.49	19.35	19.29		
5	256QAM	25	0	19.26	19.46	19.47	19.44	19.44		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.86	24.99	24.95	25.7	0
20	QPSK	1	49	24.83	24.86	24.76		
20	QPSK	1	99	24.83	24.91	24.92		
20	QPSK	50	0	23.88	23.91	23.82	24.7	1
20	QPSK	50	24	23.74	23.84	23.76		
20	QPSK	50	50	23.79	23.81	23.78		
20	QPSK	100	0	23.83	23.87	23.80		
20	16QAM	1	0	23.63	23.78	23.64	24.7	1
20	16QAM	1	49	23.58	23.76	23.64		
20	16QAM	1	99	23.60	23.62	23.57		
20	16QAM	50	0	22.77	22.93	22.89	23.7	2
20	16QAM	50	24	22.70	22.86	22.74		
20	16QAM	50	50	22.70	22.81	22.71		
20	16QAM	100	0	22.81	22.83	22.82		
20	64QAM	1	0	22.66	22.72	22.68	23.7	2
20	64QAM	1	49	22.55	22.65	22.61		
20	64QAM	1	99	22.69	22.80	22.63		
20	64QAM	50	0	21.76	21.82	21.85	22.7	3
20	64QAM	50	24	21.73	21.80	21.74		
20	64QAM	50	50	21.78	21.87	21.68		
20	64QAM	100	0	21.79	21.81	21.83		
20	256QAM	1	0	20.01	20.04	19.98	20.7	5
20	256QAM	1	49	19.82	19.87	19.79		
20	256QAM	1	99	19.84	20.03	19.85		
20	256QAM	50	0	19.73	19.84	19.73	20.7	5
20	256QAM	50	24	19.73	19.75	19.79		
20	256QAM	50	50	19.63	19.81	19.67		
20	256QAM	100	0	19.66	19.78	19.83		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.81	24.92	24.90	25.7	0
15	QPSK	1	37	24.71	24.72	24.69		
15	QPSK	1	74	24.74	24.83	24.86		
15	QPSK	36	0	23.82	23.86	23.73	24.7	1
15	QPSK	36	20	23.60	23.78	23.67		
15	QPSK	36	39	23.72	23.76	23.69		
15	QPSK	75	0	23.77	23.79	23.69		
15	16QAM	1	0	23.49	23.71	23.50	24.7	1
15	16QAM	1	37	23.45	23.66	23.58		
15	16QAM	1	74	23.46	23.59	23.49		
15	16QAM	36	0	22.68	22.79	22.80	23.7	2
15	16QAM	36	20	22.57	22.81	22.66		
15	16QAM	36	39	22.66	22.74	22.60		
15	16QAM	75	0	22.69	22.76	22.73		
15	64QAM	1	0	22.61	22.66	22.54	23.7	2
15	64QAM	1	37	22.46	22.51	22.57		
15	64QAM	1	74	22.61	22.67	22.50		
15	64QAM	36	0	21.72	21.76	21.71	22.7	3
15	64QAM	36	20	21.68	21.69	21.60		
15	64QAM	36	39	21.66	21.75	21.61		
15	64QAM	75	0	21.71	21.73	21.77		
15	256QAM	1	0	19.90	19.98	19.90	20.7	5
15	256QAM	1	37	19.74	19.72	19.66		
15	256QAM	1	74	19.76	19.99	19.71		
15	256QAM	36	0	19.69	19.71	19.66	20.7	5
15	256QAM	36	20	19.60	19.71	19.65		
15	256QAM	36	39	19.59	19.69	19.60		
15	256QAM	75	0	19.52	19.64	19.79		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.71	24.88	24.83	25.7	0
10	QPSK	1	25	24.72	24.76	24.71		
10	QPSK	1	49	24.75	24.81	24.86		
10	QPSK	25	0	23.75	23.85	23.75	24.7	1
10	QPSK	25	12	23.61	23.75	23.63		
10	QPSK	25	25	23.71	23.76	23.67		
10	QPSK	50	0	23.74	23.81	23.69		
10	16QAM	1	0	23.54	23.67	23.56	24.7	1
10	16QAM	1	25	23.45	23.69	23.59		
10	16QAM	1	49	23.51	23.57	23.51		
10	16QAM	25	0	22.69	22.88	22.75	23.7	2
10	16QAM	25	12	22.59	22.79	22.62		
10	16QAM	25	25	22.61	22.73	22.65		
10	16QAM	50	0	22.78	22.79	22.78		
10	64QAM	1	0	22.57	22.65	22.63	23.7	2
10	64QAM	1	25	22.45	22.60	22.50		
10	64QAM	1	49	22.57	22.73	22.52		
10	64QAM	25	0	21.68	21.72	21.77	22.7	3
10	64QAM	25	12	21.60	21.67	21.71		
10	64QAM	25	25	21.69	21.82	21.57		
10	64QAM	50	0	21.65	21.74	21.75		
10	256QAM	1	0	19.87	19.91	19.93	20.7	5
10	256QAM	1	25	19.74	19.78	19.71		
10	256QAM	1	49	19.77	19.89	19.73		
10	256QAM	25	0	19.66	19.69	19.65	20.7	5
10	256QAM	25	12	19.63	19.67	19.66		
10	256QAM	25	25	19.57	19.73	19.59		
10	256QAM	50	0	19.59	19.73	19.69		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.73	24.85	24.83	25.7	0
5	QPSK	1	12	24.68	24.75	24.62		
5	QPSK	1	24	24.70	24.85	24.83		
5	QPSK	12	0	23.80	23.82	23.78	24.7	1
5	QPSK	12	7	23.61	23.75	23.73		
5	QPSK	12	13	23.74	23.69	23.70		
5	QPSK	25	0	23.72	23.79	23.66		
5	16QAM	1	0	23.59	23.72	23.61	24.7	1
5	16QAM	1	12	23.55	23.73	23.55		
5	16QAM	1	24	23.54	23.48	23.45		
5	16QAM	12	0	22.65	22.84	22.84	23.7	2
5	16QAM	12	7	22.55	22.74	22.71		
5	16QAM	12	13	22.56	22.67	22.62		
5	16QAM	25	0	22.74	22.80	22.71		
5	64QAM	1	0	22.53	22.65	22.56	23.7	2
5	64QAM	1	12	22.43	22.52	22.53		
5	64QAM	1	24	22.55	22.70	22.49		
5	64QAM	12	0	21.66	21.68	21.80	22.7	3
5	64QAM	12	7	21.68	21.66	21.68		
5	64QAM	12	13	21.65	21.82	21.54		
5	64QAM	25	0	21.65	21.74	21.77		
5	256QAM	1	0	19.86	19.91	19.87	20.7	5
5	256QAM	1	12	19.72	19.73	19.69		
5	256QAM	1	24	19.69	19.97	19.76		
5	256QAM	12	0	19.67	19.70	19.70	20.7	5
5	256QAM	12	7	19.65	19.60	19.68		
5	256QAM	12	13	19.59	19.73	19.61		
5	256QAM	25	0	19.56	19.69	19.75		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.16	25.27	25.32	25.20	25.24	25.7	0
20	QPSK	1	49	25.10	25.06	25.28	25.18	25.16		
20	QPSK	1	99	25.05	25.28	25.23	25.12	25.25		
20	QPSK	50	0	24.21	24.32	24.34	24.24	24.31	24.7	1
20	QPSK	50	24	24.11	24.22	24.25	24.21	24.22		
20	QPSK	50	50	24.09	24.13	24.21	24.20	24.15		
20	QPSK	100	0	24.09	24.14	24.29	24.23	24.15		
20	16QAM	1	0	23.93	23.95	24.15	23.84	24.04	24.7	1
20	16QAM	1	49	24.02	24.11	24.07	24.03	23.97		
20	16QAM	1	99	23.91	23.96	23.96	23.87	23.94		
20	16QAM	50	0	22.97	23.13	23.16	23.17	23.15	23.7	2
20	16QAM	50	24	23.10	23.05	23.17	23.02	23.08		
20	16QAM	50	50	23.03	23.04	23.16	23.19	23.08		
20	16QAM	100	0	23.03	23.10	23.15	23.11	23.05		
20	64QAM	1	0	22.93	23.08	23.07	23.04	22.97	23.7	2
20	64QAM	1	49	22.93	22.87	23.02	22.89	23.03		
20	64QAM	1	99	22.98	23.10	23.18	22.98	23.14		
20	64QAM	50	0	22.12	22.17	22.35	22.16	22.13	22.7	3
20	64QAM	50	24	21.99	22.08	22.19	21.96	22.03		
20	64QAM	50	50	22.05	22.10	22.30	22.05	22.12		
20	64QAM	100	0	22.00	22.15	22.38	22.09	22.25		
20	256QAM	1	0	20.13	20.32	20.33	20.33	20.27	20.7	5
20	256QAM	1	49	20.22	20.21	20.24	20.28	20.20		
20	256QAM	1	99	20.15	20.25	20.36	20.28	20.36		
20	256QAM	50	0	19.98	20.20	20.20	20.23	20.00	20.7	5
20	256QAM	50	24	20.09	20.22	20.18	20.15	20.20		
20	256QAM	50	50	19.96	20.02	20.15	19.98	20.03		
20	256QAM	100	0	20.00	20.06	20.15	20.17	20.13		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.86	24.97	25.02	24.90	24.94	26	0
15	QPSK	1	37	24.80	24.76	24.98	24.88	24.86		
15	QPSK	1	74	24.75	24.98	24.93	24.82	24.95		
15	QPSK	36	0	23.91	24.02	24.04	23.94	24.01	24.7	1
15	QPSK	36	20	23.81	23.92	23.95	23.91	23.92		
15	QPSK	36	39	23.79	23.83	23.91	23.90	23.85		
15	QPSK	75	0	23.79	23.84	23.99	23.93	23.85		
15	16QAM	1	0	23.63	23.65	23.85	23.54	23.74	24.7	1
15	16QAM	1	37	23.72	23.81	23.77	23.73	23.67		
15	16QAM	1	74	23.61	23.66	23.66	23.57	23.64		
15	16QAM	36	0	22.67	22.83	22.86	22.87	22.85	23.7	2
15	16QAM	36	20	22.80	22.75	22.87	22.72	22.78		
15	16QAM	36	39	22.73	22.74	22.86	22.89	22.76		
15	16QAM	75	0	22.73	22.80	22.85	22.81	22.75		
15	64QAM	1	0	22.63	22.78	22.77	22.74	22.67	23.7	2
15	64QAM	1	37	22.63	22.57	22.72	22.59	22.73		
15	64QAM	1	74	22.68	22.80	22.88	22.68	22.84		
15	64QAM	36	0	21.82	21.87	22.05	21.86	21.83	22.7	3
15	64QAM	36	20	21.69	21.78	21.89	21.66	21.73		
15	64QAM	36	39	21.75	21.80	22.00	21.75	21.82		
15	64QAM	75	0	21.70	21.85	22.08	21.79	21.95		
15	256QAM	1	0	19.83	20.02	20.03	20.03	19.97	20.7	5
15	256QAM	1	37	19.92	19.91	19.94	19.98	19.90		
15	256QAM	1	74	19.85	19.95	20.06	19.98	20.06		
15	256QAM	36	0	19.68	19.90	19.90	19.93	19.70	20.7	5
15	256QAM	36	20	19.79	19.92	19.88	19.85	19.90		
15	256QAM	36	39	19.66	19.72	19.85	19.68	19.73		
15	256QAM	75	0	19.70	19.76	19.85	19.87	19.83		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.07	25.13	25.26	25.08	25.14	26	0
10	QPSK	1	25	24.98	24.92	25.21	25.12	25.07		
10	QPSK	1	49	25.00	25.21	25.10	24.97	25.21		
10	QPSK	25	0	24.18	24.23	24.29	24.20	24.21	24.7	1
10	QPSK	25	12	24.03	24.18	24.16	24.15	24.12		
10	QPSK	25	25	24.04	24.05	24.07	24.15	24.11		
10	QPSK	50	0	24.03	24.10	24.23	24.13	24.10		
10	16QAM	1	0	23.82	23.84	24.08	23.74	23.90	24.7	1
10	16QAM	1	25	23.88	24.07	23.96	23.97	23.90		
10	16QAM	1	49	23.85	23.82	23.92	23.79	23.87		
10	16QAM	25	0	22.86	23.02	23.13	23.02	23.03	23.7	2
10	16QAM	25	12	23.00	22.92	23.02	22.91	22.96		
10	16QAM	25	25	22.96	22.93	23.03	23.06	22.93		
10	16QAM	50	0	22.91	23.01	23.02	23.07	22.94		
10	64QAM	1	0	22.86	23.04	22.99	22.90	22.85	23.7	2
10	64QAM	1	25	22.78	22.79	22.98	22.76	22.92		
10	64QAM	1	49	22.90	23.05	23.07	22.90	22.99		
10	64QAM	25	0	22.00	22.04	22.22	22.07	22.02	22.7	3
10	64QAM	25	12	21.96	22.04	22.09	21.93	21.98		
10	64QAM	25	25	21.95	21.96	22.22	21.99	22.00		
10	64QAM	50	0	22.09	22.04	22.34	22.00	22.18		
10	256QAM	1	0	20.06	20.21	20.19	20.23	20.21	20.7	5
10	256QAM	1	25	20.12	20.17	20.18	20.25	20.08		
10	256QAM	1	49	20.12	20.20	20.27	20.18	20.29		
10	256QAM	25	0	19.87	20.09	20.06	20.13	19.94	20.7	5
10	256QAM	25	12	20.01	20.18	20.03	20.01	20.07		
10	256QAM	25	25	19.90	19.94	20.03	19.92	19.93		
10	256QAM	50	0	19.93	19.94	20.03	20.07	20.10		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.10	25.16	25.22	25.06	25.15	26	0
5	QPSK	1	12	25.03	25.03	25.17	25.12	25.12		
5	QPSK	1	24	24.95	25.14	25.17	25.02	25.10		
5	QPSK	12	0	24.07	24.23	24.22	24.18	24.23	24.7	1
5	QPSK	12	7	23.96	24.11	24.14	24.10	24.14		
5	QPSK	12	13	23.94	24.06	24.15	24.07	24.02		
5	QPSK	25	0	24.05	24.06	24.21	24.16	24.03		
5	16QAM	1	0	23.85	23.83	24.02	23.70	23.97	24.7	1
5	16QAM	1	12	23.90	24.04	23.99	23.95	23.83		
5	16QAM	1	24	23.83	23.89	23.92	23.74	23.87		
5	16QAM	12	0	22.83	23.00	23.02	23.06	23.01	23.7	2
5	16QAM	12	7	22.96	22.94	23.04	22.97	22.98		
5	16QAM	12	13	22.94	23.00	23.02	23.14	22.97		
5	16QAM	25	0	22.89	23.00	23.03	23.06	22.91		
5	64QAM	1	0	22.79	23.04	22.96	22.93	22.83	23.7	2
5	64QAM	1	12	22.84	22.74	22.91	22.77	22.92		
5	64QAM	1	24	22.88	23.04	23.05	22.91	23.07		
5	64QAM	12	0	22.04	22.05	22.28	22.13	22.10	22.7	3
5	64QAM	12	7	21.92	21.99	22.13	22.04	21.95		
5	64QAM	12	13	21.94	21.96	22.20	21.97	21.99		
5	64QAM	25	0	22.01	22.05	22.34	21.99	22.18		
5	256QAM	1	0	20.08	20.23	20.23	20.26	20.17	20.7	5
5	256QAM	1	12	20.10	20.08	20.19	20.24	20.10		
5	256QAM	1	24	20.10	20.19	20.29	20.17	20.31		
5	256QAM	12	0	19.86	20.13	20.12	20.11	19.97	20.7	5
5	256QAM	12	7	19.97	20.16	20.05	20.01	20.10		
5	256QAM	12	13	19.83	19.96	20.06	19.86	19.92		
5	256QAM	25	0	19.90	19.93	20.08	20.06	20.09		

Band 2 Ant4 Default

BW [MHz]	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	24.34	24.50	24.48		
20	QPSK	1	49	24.31	24.42	24.34	25.7	0
20	QPSK	1	99	24.36	24.39	24.35		
20	QPSK	50	0	23.27	23.44	23.37		
20	QPSK	50	24	23.20	23.30	23.24	24.7	1
20	QPSK	50	50	23.28	23.30	23.30		
20	QPSK	100	0	23.23	23.38	23.31		
20	16QAM	1	0	23.07	23.22	23.11		
20	16QAM	1	49	23.10	23.24	23.08	24.7	1
20	16QAM	1	99	23.04	23.16	23.02		
20	16QAM	50	0	22.24	22.40	22.30		
20	16QAM	50	24	22.25	22.29	22.20	23.7	2
20	16QAM	50	50	22.17	22.35	22.22		
20	16QAM	100	0	22.26	22.41	22.30		
20	64QAM	1	0	22.20	22.23	22.15		
20	64QAM	1	49	22.09	22.18	22.11	23.7	2
20	64QAM	1	99	22.27	22.23	22.16		
20	64QAM	50	0	21.33	21.39	21.34		
20	64QAM	50	24	21.15	21.28	21.20	22.7	3
20	64QAM	50	50	21.24	21.29	21.23		
20	64QAM	100	0	21.29	21.37	21.31		
20	256QAM	1	0	19.48	19.60	19.40		
20	256QAM	1	49	19.40	19.34	19.39	20.7	5
20	256QAM	1	99	19.34	19.48	19.45		
20	256QAM	50	0	19.32	19.42	19.23		
20	256QAM	50	24	19.18	19.26	19.23	20.7	5
20	256QAM	50	50	19.12	19.25	19.29		
20	256QAM	100	0	19.23	19.38	19.22		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.22	24.45	24.34		
15	QPSK	1	37	24.34	24.34	24.22	25.7	0
15	QPSK	1	74	24.25	24.25	24.21		
15	QPSK	36	0	23.15	23.36	23.32		
15	QPSK	36	20	23.14	23.24	23.18	24.7	1
15	QPSK	36	39	23.20	23.15	23.20		
15	QPSK	75	0	23.14	23.25	23.27		
15	16QAM	1	0	23.03	23.08	23.05		
15	16QAM	1	37	22.96	23.12	22.93	24.7	1
15	16QAM	1	74	22.97	23.07	22.98		
15	16QAM	36	0	22.12	22.29	22.17		
15	16QAM	36	20	22.20	22.23	22.15	23.7	2
15	16QAM	36	39	22.08	22.26	22.09		
15	16QAM	75	0	22.21	22.21	22.25		
15	64QAM	1	0	22.09	22.12	22.08		
15	64QAM	1	37	21.96	22.04	21.98	23.7	2
15	64QAM	1	74	22.15	22.19	22.13		
15	64QAM	36	0	21.21	21.29	21.23		
15	64QAM	36	20	21.02	21.14	21.10	22.7	3
15	64QAM	36	39	21.21	21.24	21.18		
15	64QAM	75	0	21.22	21.33	21.22		
15	256QAM	1	0	19.34	19.54	19.35		
15	256QAM	1	37	19.32	19.36	19.30	20.7	5
15	256QAM	1	74	19.30	19.40	19.30		
15	256QAM	36	0	19.21	19.33	19.09		
15	256QAM	36	20	19.13	19.14	19.19	20.7	5
15	256QAM	36	39	18.97	19.21	19.19		
15	256QAM	75	0	19.08	19.27	19.19		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.21	24.42	24.41		
10	QPSK	1	25	24.17	24.28	24.31	25.7	0
10	QPSK	1	49	24.22	24.24	24.27		
10	QPSK	25	0	23.14	23.30	23.23		
10	QPSK	25	12	23.07	23.15	23.20	24.7	1
10	QPSK	25	25	23.23	23.16	23.21		
10	QPSK	50	0	23.13	23.28	23.16		
10	16QAM	1	0	23.02	23.19	23.04		
10	16QAM	1	25	22.98	23.09	23.02	24.7	1
10	16QAM	1	49	22.95	23.13	22.88		
10	16QAM	25	0	22.21	22.36	22.24		
10	16QAM	25	12	22.20	22.25	22.13	23.7	2
10	16QAM	25	25	22.07	22.31	22.10		
10	16QAM	50	0	22.17	22.32	22.21		
10	64QAM	1	0	22.15	22.11	22.01		
10	64QAM	1	25	22.01	22.06	21.98	23.7	2
10	64QAM	1	49	22.18	22.15	22.03		
10	64QAM	25	0	21.23	21.31	21.21		
10	64QAM	25	12	21.05	21.20	21.11	22.7	3
10	64QAM	25	25	21.20	21.24	21.16		
10	64QAM	50	0	21.20	21.24	21.27		
10	256QAM	1	0	19.41	19.56	19.33		
10	256QAM	1	25	19.31	19.23	19.24	20.7	5
10	256QAM	1	49	19.20	19.38	19.34		
10	256QAM	25	0	19.24	19.27	19.15		
10	256QAM	25	12	19.07	19.17	19.14	20.7	5
10	256QAM	25	25	19.04	19.18	19.24		
10	256QAM	50	0	19.14	19.25	19.13		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.23	24.40	24.36		
5	QPSK	1	12	24.24	24.32	24.30	25.7	0
5	QPSK	1	24	24.29	24.33	24.22		
5	QPSK	12	0	23.20	23.34	23.33		
5	QPSK	12	7	23.12	23.17	23.13	24.7	1
5	QPSK	12	13	23.21	23.21	23.19		
5	QPSK	25	0	23.10	23.33	23.26		
5	16QAM	1	0	22.99	23.16	22.99		
5	16QAM	1	12	22.98	23.14	23.04	24.7	1
5	16QAM	1	24	22.98	23.09	22.95		
5	16QAM	12	0	22.21	22.29	22.16		
5	16QAM	12	7	22.14	22.25	22.05	23.7	2
5	16QAM	12	13	22.10	22.28	22.13		
5	16QAM	25	0	22.21	22.33	22.22		
5	64QAM	1	0	22.16	22.15	22.03		
5	64QAM	1	12	21.95	22.06	22.07	23.7	2
5	64QAM	1	24	22.24	22.10	22.04		
5	64QAM	12	0	21.28	21.28	21.27		
5	64QAM	12	7	21.01	21.23	21.07	22.7	3
5	64QAM	12	13	21.13	21.16	21.15		
5	64QAM	25	0	21.15	21.25	21.23		
5	256QAM	1	0	19.42	19.51	19.26		
5	256QAM	1	12	19.36	19.20	19.30	20.7	5
5	256QAM	1	24	19.28	19.34	19.35		
5	256QAM	12	0	19.18	19.33	19.19		
5	256QAM	12	7	19.11	19.17	19.14	20.7	5
5	256QAM	12	13	19.02	19.22	19.17		
5	256QAM	25	0	19.11	19.28	19.13		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.30	24.44	24.34		
3	QPSK	1	8	24.24	24.30	24.27	25.7	0
3	QPSK	1	14	24.32	24.35	24.21		
3	QPSK	8	0	23.19	23.32	23.31		
3	QPSK	8	4	23.14	23.20	23.12	24.7	1
3	QPSK	8	7	23.24	23.24	23.23		
3	QPSK	15	0	23.20	23.26	23.17		
3	16QAM	1	0	23.03	23.10	23.00		
3	16QAM	1	8	23.03	23.19	23.02	24.7	1
3	16QAM	1	14	22.92	23.02	22.92		
3	16QAM	8	0	22.15	22.37	22.19		
3	16QAM	8	4	22.09	22.20	22.08	23.7	2
3	16QAM	8	7	22.10	22.28	22.12		
3	16QAM	15	0	22.22	22.30	22.26		
3	64QAM	1	0	22.15	22.17	22.05		
3	64QAM	1	8	22.29	22.07	22.04	23.7	2
3	64QAM	1	14	22.14	22.15	22.02		
3	64QAM	8	0	21.25	21.29	21.25		
3	64QAM	8	4	21.04	21.20	21.09	22.7	3
3	64QAM	8	7	21.20	21.18	21.17		
3	64QAM	15	0	21.19	21.22	21.27		
3	256QAM	1	0	19.41	19.56	19.31		
3	256QAM	1	8	19.25	19.29	19.26	20.7	5
3	256QAM	1	14	19.21	19.43	19.32		
3	256QAM	8	0	19.24	19.30	19.10		
3	256QAM	8	4	19.07	19.13	19.09	20.7	5
3	256QAM	8	7	19.03	19.13	19.23		
3	256QAM	15	0	19.14	19.32	19.13		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.21	24.38	24.35		
1.4	QPSK	1	3	24.24	24.37	24.27		
1.4	QPSK	1	5	24.32	24.31	24.23	25.7	0
1.4	QPSK	3	0	24.29	24.36	24.42		
1.4	QPSK	3	1	24.18	24.31	24.21		
1.4	QPSK	3	3	24.26	24.33	24.30		
1.4	QPSK	6	0	23.14	23.32	23.28	24.7	1
1.4	16QAM	1	0	23.12	23.25	23.19		
1.4	16QAM	1	3	23.23	23.20	23.17		
1.4	16QAM	1	5	23.14	23.34	23.28	24.7	1
1.4	16QAM	3	0	23.02	23.10	22.96		
1.4	16QAM	3	1	23.02	23.16	22.96		
1.4	16QAM	3	3	22.95	23.05	22.92		
1.4	16QAM	6	0	22.17	22.27	22.21	23.7	2
1.4	64QAM	1	0	22.14	22.21	22.12		
1.4	64QAM	1	3	22.13	22.32	22.14		
1.4	64QAM	1	5	22.12	22.29	22.16	23.7	2
1.4	64QAM	3	0	22.10	22.19	22.09		
1.4	64QAM	3	1	21.97	22.05	22.00		
1.4	64QAM	3	3	22.14	22.11	22.03		
1.4	64QAM	6	0	21.18	21.27	21.23	22.7	3
1.4	256QAM	1	0	19.37	19.47	19.31		
1.4	256QAM	1	3	19.36	19.23	19.34		
1.4	256QAM	1	5	19.22	19.41	19.42	20.7	5
1.4	256QAM	3	0	19.26	19.36	19.16		
1.4	256QAM	3	1	19.03	19.14	19.19		
1.4	256QAM	3	3	18.99	19.21	19.18		
1.4	256QAM	6	0	19.15	19.29	19.16	20.7	5

Band 4 Ant4 Default

BW [MHz]	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	24.73	24.79	24.67		
20	QPSK	1	49	24.62	24.52	24.64	25.7	0
20	QPSK	1	99	24.62	24.70	24.68		
20	QPSK	50	0	23.60	23.74	23.67		
20	QPSK	50	24	23.46	23.61	23.56	24.7	1
20	QPSK	50	50	23.65	23.64	23.62		
20	QPSK	100	0	23.55	23.66	23.62		
20	16QAM	1	0	23.45	23.51	23.46		
20	16QAM	1	49	23.47	23.48	23.43	24.7	1
20	16QAM	1	99	23.38	23.46	23.36		
20	16QAM	50	0	22.57	22.70	22.66		
20	16QAM	50	24	22.51	22.65	22.47	23.7	2
20	16QAM	50	50	22.58	22.55	22.54		
20	16QAM	100	0	22.59	22.66	22.59		
20	64QAM	1	0	22.44	22.54	22.46		
20	64QAM	1	49	22.35	22.54	22.48	23.7	2
20	64QAM	1	99	22.49	22.60	22.41		
20	64QAM	50	0	21.62	21.65	21.60		
20	64QAM	50	24	21.43	21.56	21.46	22.7	3
20	64QAM	50	50	21.57	21.64	21.55		
20	64QAM	100	0	21.49	21.61	21.54		
20	256QAM	1	0	19.70	19.80	19.69		
20	256QAM	1	49	19.61	19.75	19.65	20.7	5
20	256QAM	1	99	19.73	19.76	19.68		
20	256QAM	50	0	19.53	19.62	19.57		
20	256QAM	50	24	19.58	19.61	19.50	20.7	5
20	256QAM	50	50	19.46	19.59	19.55		
20	256QAM	100	0	19.55	19.63	19.62		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.64	24.70	24.61		
15	QPSK	1	37	24.57	24.57	24.54	25.7	0
15	QPSK	1	74	24.56	24.56	24.58		
15	QPSK	36	0	23.52	23.64	23.63		
15	QPSK	36	20	23.36	23.58	23.44	24.7	1
15	QPSK	36	39	23.52	23.57	23.55		
15	QPSK	75	0	23.51	23.56	23.49		
15	16QAM	1	0	23.37	23.47	23.42		
15	16QAM	1	37	23.43	23.40	23.37	24.7	1
15	16QAM	1	74	23.23	23.34	23.29		
15	16QAM	36	0	22.53	22.65	22.63		
15	16QAM	36	20	22.44	22.62	22.35	23.7	2
15	16QAM	36	39	22.47	22.44	22.48		
15	16QAM	75	0	22.54	22.72	22.46		
15	64QAM	1	0	22.35	22.48	22.32		
15	64QAM	1	37	22.22	22.41	22.44	23.7	2
15	64QAM	1	74	22.36	22.46	22.37		
15	64QAM	36	0	21.55	21.56	21.54		
15	64QAM	36	20	21.34	21.47	21.32	22.7	3
15	64QAM	36	39	21.47	21.54	21.44		
15	64QAM	75	0	21.41	21.47	21.46		
15	256QAM	1	0	19.63	19.75	19.62		
15	256QAM	1	37	19.52	19.63	19.54	20.7	5
15	256QAM	1	74	19.68	19.65	19.64		
15	256QAM	36	0	19.44	19.57	19.51		
15	256QAM	36	20	19.45	19.47	19.41	20.7	5
15	256QAM	36	39	19.33	19.49	19.44		
15	256QAM	75	0	19.45	19.55	19.48		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.68	24.72	24.60		
10	QPSK	1	25	24.52	24.52	24.52	25.7	0
10	QPSK	1	49	24.58	24.62	24.53		
10	QPSK	25	0	23.53	23.61	23.61		
10	QPSK	25	12	23.35	23.55	23.53	24.7	1
10	QPSK	25	25	23.50	23.54	23.53		
10	QPSK	50	0	23.49	23.52	23.54		
10	16QAM	1	0	23.41	23.39	23.34		
10	16QAM	1	25	23.39	23.42	23.33	24.7	1
10	16QAM	1	49	23.25	23.37	23.24		
10	16QAM	25	0	22.49	22.55	22.57		
10	16QAM	25	12	22.38	22.57	22.38	23.7	2
10	16QAM	25	25	22.45	22.46	22.46		
10	16QAM	50	0	22.54	22.57	22.51		
10	64QAM	1	0	22.38	22.43	22.43		
10	64QAM	1	25	22.29	22.45	22.38	23.7	2
10	64QAM	1	49	22.42	22.47	22.31		
10	64QAM	25	0	21.57	21.57	21.54		
10	64QAM	25	12	21.34	21.45	21.33	22.7	3
10	64QAM	25	25	21.47	21.54	21.45		
10	64QAM	50	0	21.44	21.49	21.42		
10	256QAM	1	0	19.56	19.73	19.54		
10	256QAM	1	25	19.56	19.61	19.60	20.7	5
10	256QAM	1	49	19.60	19.73	19.54		
10	256QAM	25	0	19.46	19.53	19.53		
10	256QAM	25	12	19.37	19.52	19.38	20.7	5
10	256QAM	25	25	19.36	19.40	19.45		
10	256QAM	50	0	19.46	19.54	19.54		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.68	24.66	24.60		
5	QPSK	1	12	24.52	24.48	24.52	25.7	0
5	QPSK	1	24	24.47	24.58	24.53		
5	QPSK	12	0	23.53	23.64	23.58		
5	QPSK	12	7	23.34	23.48	23.45	24.7	1
5	QPSK	12	13	23.59	23.49	23.57		
5	QPSK	25	0	23.40	23.55	23.47		
5	16QAM	1	0	23.32	23.42	23.37		
5	16QAM	1	12	23.33	23.39	23.28	24.7	1
5	16QAM	1	24	23.33	23.43	23.32		
5	16QAM	12	0	22.46	22.65	22.57		
5	16QAM	12	7	22.43	22.53	22.43		
5	16QAM	12	13	22.55	22.47	22.44	23.7	2
5	16QAM	25	0	22.44	22.56	22.55		
5	64QAM	1	0	22.36	22.45	22.41		
5	64QAM	1	12	22.21	22.46	22.39	23.7	2
5	64QAM	1	24	22.38	22.47	22.32		
5	64QAM	12	0	21.57	21.57	21.55		
5	64QAM	12	7	21.38	21.43	21.34	22.7	3
5	64QAM	12	13	21.43	21.51	21.47		
5	64QAM	25	0	21.37	21.58	21.47		
5	256QAM	1	0	19.64	19.73	19.58		
5	256QAM	1	12	19.52	19.68	19.53	20.7	5
5	256QAM	1	24	19.67	19.69	19.56		
5	256QAM	12	0	19.47	19.57	19.53		
5	256QAM	12	7	19.52	19.53	19.42	20.7	5
5	256QAM	12	13	19.39	19.43	19.51		
5	256QAM	25	0	19.45	19.49	19.50		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.61	24.71	24.60		
3	QPSK	1	8	24.48	24.50	24.56	25.7	0
3	QPSK	1	14	24.47	24.57	24.62		
3	QPSK	8	0	23.52	23.52	23.54		
3	QPSK	8	4	23.41	23.57	23.46	24.7	1
3	QPSK	8	7	23.53	23.54	23.50		
3	QPSK	15	0	23.44	23.58	23.56		
3	16QAM	1	0	23.30	23.45	23.31		
3	16QAM	1	8	23.44	23.44	23.34	24.7	1
3	16QAM	1	14	23.32	23.36	23.30		
3	16QAM	8	0	22.48	22.61	22.56		
3	16QAM	8	4	22.40	22.57	22.43	23.7	2
3	16QAM	8	7	22.50	22.41	22.41		
3	16QAM	15	0	22.46	22.62	22.54		
3	64QAM	1	0	22.41	22.51	22.38		
3	64QAM	1	8	22.25	22.39	22.45	23.7	2
3	64QAM	1	14	22.34	22.54	22.31		
3	64QAM	8	0	21.48	21.55	21.46		
3	64QAM	8	4	21.32	21.47	21.41	22.7	3
3	64QAM	8	7	21.45	21.53	21.42		
3	64QAM	15	0	21.43	21.47	21.46		
3	256QAM	1	0	19.55	19.72	19.59		
3	256QAM	1	8	19.54	19.70	19.54	20.7	5
3	256QAM	1	14	19.65	19.72	19.61		
3	256QAM	8	0	19.40	19.56	19.47		
3	256QAM	8	4	19.47	19.52	19.37	20.7	5
3	256QAM	8	7	19.32	19.44	19.51		
3	256QAM	15	0	19.51	19.54	19.48		
Channel				19901	20175	20449	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.65	24.74	24.54		
1.4	QPSK	1	3	24.59	24.55	24.55		
1.4	QPSK	1	5	24.57	24.61	24.65	25.7	0
1.4	QPSK	3	0	24.64	24.68	24.61		
1.4	QPSK	3	1	24.50	24.48	24.52		
1.4	QPSK	3	3	24.50	24.64	24.54		
1.4	QPSK	6	0	23.45	23.70	23.61	24.7	1
1.4	16QAM	1	0	23.39	23.53	23.48		
1.4	16QAM	1	3	23.52	23.60	23.58		
1.4	16QAM	1	5	23.43	23.56	23.54	24.7	1
1.4	16QAM	3	0	23.35	23.43	23.34		
1.4	16QAM	3	1	23.41	23.44	23.31		
1.4	16QAM	3	3	23.27	23.34	23.23		
1.4	16QAM	6	0	22.53	22.56	22.51	23.7	2
1.4	64QAM	1	0	22.43	22.53	22.38		
1.4	64QAM	1	3	22.44	22.47	22.46		
1.4	64QAM	1	5	22.48	22.59	22.50	23.7	2
1.4	64QAM	3	0	22.41	22.48	22.35		
1.4	64QAM	3	1	22.25	22.44	22.42		
1.4	64QAM	3	3	22.35	22.39	22.31		
1.4	64QAM	6	0	21.53	21.58	21.43	22.7	3
1.4	256QAM	1	0	19.61	19.69	19.57		
1.4	256QAM	1	3	19.48	19.66	19.60		
1.4	256QAM	1	5	19.62	19.71	19.62	20.7	5
1.4	256QAM	3	0	19.38	19.56	19.45		
1.4	256QAM	3	1	19.53	19.57	19.42		
1.4	256QAM	3	3	19.31	19.48	19.44		
1.4	256QAM	6	0	19.46	19.52	19.53	20.7	5

Band 7 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.87	23.96	23.92		
20	QPSK	1	49	23.84	23.84	23.84	25.5	0
20	QPSK	1	99	23.82	23.88	23.80		
20	QPSK	50	0	22.82	22.92	22.78		
20	QPSK	50	24	22.65	22.83	22.69	24.5	1
20	QPSK	50	50	22.85	22.89	22.81		
20	QPSK	100	0	22.71	22.89	22.79		
20	16QAM	1	0	22.56	22.73	22.63		
20	16QAM	1	49	22.61	22.73	22.59	24.5	1
20	16QAM	1	99

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.81	24.88	24.78	25.7	0
20	QPSK	1	49	24.78	24.78	24.66		
20	QPSK	1	99	24.71	24.82	24.81		
20	QPSK	50	0	23.71	23.82	23.78	24.7	1
20	QPSK	50	24	23.64	23.77	23.67		
20	QPSK	50	50	23.74	23.77	23.64		
20	QPSK	100	0	23.57	23.76	23.69		
20	16QAM	1	0	23.46	23.64	23.56	24.7	1
20	16QAM	1	49	23.55	23.66	23.57		
20	16QAM	1	99	23.49	23.50	23.45		
20	16QAM	50	0	22.68	22.79	22.71	23.7	2
20	16QAM	50	24	22.66	22.68	22.60		
20	16QAM	50	50	22.66	22.66	22.67		
20	16QAM	100	0	22.66	22.70	22.67		
20	64QAM	1	0	22.55	22.62	22.53	23.7	2
20	64QAM	1	49	22.45	22.58	22.60		
20	64QAM	1	99	22.64	22.67	22.53		
20	64QAM	50	0	21.71	21.82	21.76	22.7	3
20	64QAM	50	24	21.57	21.72	21.58		
20	64QAM	50	50	21.71	21.75	21.58		
20	64QAM	100	0	21.63	21.78	21.64		
20	256QAM	1	0	19.80	19.99	19.76	20.7	5
20	256QAM	1	49	19.73	19.83	19.71		
20	256QAM	1	99	19.82	19.94	19.74		
20	256QAM	50	0	19.68	19.82	19.60	20.7	5
20	256QAM	50	24	19.68	19.70	19.63		
20	256QAM	50	50	19.51	19.63	19.62		
20	256QAM	100	0	19.68	19.71	19.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.68	24.84	24.72	25.7	0
15	QPSK	1	37	24.65	24.64	24.59		
15	QPSK	1	74	24.57	24.73	24.75		
15	QPSK	36	0	23.60	23.69	23.68	24.7	1
15	QPSK	36	20	23.53	23.63	23.64		
15	QPSK	36	39	23.61	23.66	23.59		
15	QPSK	75	0	23.50	23.64	23.65		
15	16QAM	1	0	23.41	23.52	23.46	24.7	1
15	16QAM	1	37	23.50	23.54	23.45		
15	16QAM	1	74	23.43	23.44	23.35		
15	16QAM	36	0	22.63	22.71	22.59	23.7	2
15	16QAM	36	20	22.56	22.63	22.46		
15	16QAM	36	39	22.58	22.54	22.54		
15	16QAM	75	0	22.59	22.61	22.52		
15	64QAM	1	0	22.48	22.51	22.41	23.7	2
15	64QAM	1	37	22.35	22.49	22.48		
15	64QAM	1	74	22.60	22.60	22.44		
15	64QAM	36	0	21.66	21.72	21.69	22.7	3
15	64QAM	36	20	21.51	21.67	21.45		
15	64QAM	36	39	21.57	21.67	21.48		
15	64QAM	75	0	21.49	21.73	21.51		
15	256QAM	1	0	19.65	19.93	19.71	20.7	5
15	256QAM	1	37	19.61	19.72	19.64		
15	256QAM	1	74	19.78	19.90	19.70		
15	256QAM	36	0	19.56	19.75	19.57	20.7	5
15	256QAM	36	20	19.57	19.57	19.48		
15	256QAM	36	39	19.40	19.53	19.55		
15	256QAM	75	0	19.62	19.58	19.55		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.68	24.80	24.66	25.7	0
10	QPSK	1	25	24.63	24.72	24.56		
10	QPSK	1	49	24.67	24.70	24.70		
10	QPSK	25	0	23.63	23.76	23.71	24.7	1
10	QPSK	25	12	23.59	23.67	23.63		
10	QPSK	25	25	23.67	23.69	23.58		
10	QPSK	50	0	23.51	23.65	23.64		
10	16QAM	1	0	23.39	23.54	23.47	24.7	1
10	16QAM	1	25	23.44	23.62	23.49		
10	16QAM	1	49	23.36	23.43	23.40		
10	16QAM	25	0	22.57	22.66	22.66	23.7	2
10	16QAM	25	12	22.58	22.54	22.47		
10	16QAM	25	25	22.52	22.61	22.61		
10	16QAM	50	0	22.57	22.63	22.64		
10	64QAM	1	0	22.47	22.53	22.42	23.7	2
10	64QAM	1	25	22.31	22.47	22.45		
10	64QAM	1	49	22.51	22.56	22.41		
10	64QAM	25	0	21.58	21.73	21.69	22.7	3
10	64QAM	25	12	21.44	21.60	21.53		
10	64QAM	25	25	21.64	21.72	21.49		
10	64QAM	50	0	21.57	21.68	21.57		
10	256QAM	1	0	19.74	19.92	19.66	20.7	5
10	256QAM	1	25	19.67	19.78	19.65		
10	256QAM	1	49	19.70	19.91	19.60		
10	256QAM	25	0	19.55	19.77	19.55	20.7	5
10	256QAM	25	12	19.55	19.64	19.49		
10	256QAM	25	25	19.44	19.61	19.53		
10	256QAM	50	0	19.55	19.62	19.54		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.68	24.76	24.71	25.7	0
5	QPSK	1	12	24.71	24.74	24.57		
5	QPSK	1	24	24.61	24.73	24.70		
5	QPSK	12	0	23.57	23.73	23.64	24.7	1
5	QPSK	12	7	23.49	23.64	23.62		
5	QPSK	12	13	23.61	23.69	23.58		
5	QPSK	25	0	23.50	23.71	23.62		
5	16QAM	1	0	23.40	23.54	23.51	24.7	1
5	16QAM	1	12	23.47	23.58	23.50		
5	16QAM	1	24	23.39	23.41	23.37		
5	16QAM	12	0	22.59	22.73	22.66	23.7	2
5	16QAM	12	7	22.63	22.54	22.53		
5	16QAM	12	13	22.61	22.57	22.54		
5	16QAM	25	0	22.55	22.60	22.63		
5	64QAM	1	0	22.42	22.55	22.40	23.7	2
5	64QAM	1	12	22.36	22.51	22.54		
5	64QAM	1	24	22.54	22.53	22.40		
5	64QAM	12	0	21.59	21.73	21.70	22.7	3
5	64QAM	12	7	21.42	21.55	21.48		
5	64QAM	12	13	21.62	21.61	21.55		
5	64QAM	25	0	21.49	21.68	21.55		
5	256QAM	1	0	19.68	19.92	19.64	20.7	5
5	256QAM	1	12	19.59	19.72	19.67		
5	256QAM	1	24	19.68	19.81	19.60		
5	256QAM	12	0	19.58	19.70	19.57	20.7	5
5	256QAM	12	7	19.55	19.61	19.53		
5	256QAM	12	13	19.36	19.52	19.50		
5	256QAM	25	0	19.58	19.66	19.56		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.24	25.29	25.33	25.23	25.28	25.7	0
20	QPSK	1	49	25.21	25.20	25.29	25.12	25.22		
20	QPSK	1	99	25.24	25.16	25.29	25.26	25.23		
20	QPSK	50	0	24.16	24.08	24.30	24.20	24.25	24.7	1
20	QPSK	50	24	24.20	24.05	24.25	24.03	24.15		
20	QPSK	50	50	24.18	24.14	24.24	24.14	24.21		
20	QPSK	100	0	24.15	24.09	24.22	24.15	24.08		
20	16QAM	1	0	23.99	24.00	24.09	24.01	24.06	24.7	1
20	16QAM	1	49	23.92	23.93	24.04	23.98	23.99		
20	16QAM	1	99	24.00	23.87	24.05	23.91	23.90		
20	16QAM	50	0	23.17	23.17	23.22	23.23	23.15	23.7	2
20	16QAM	50	24	23.15	23.10	23.23	23.03	23.12		
20	16QAM	50	50	23.08	23.11	23.20	23.06	23.16		
20	16QAM	100	0	23.11	23.12	23.25	23.08	23.16		
20	64QAM	1	0	23.02	22.98	23.12	23.02	23.07	23.7	2
20	64QAM	1	49	23.02	22.88	23.10	22.96	23.04		
20	64QAM	1	99	22.97	23.07	23.06	22.95	22.98		
20	64QAM	50	0	22.10	22.06	22.21	22.13	22.18	22.7	3
20	64QAM	50	24	22.11	22.04	22.21	22.00	22.12		
20	64QAM	50	50	22.10	22.13	22.15	22.07	22.06		
20	64QAM	100	0	22.11	22.15	22.17	22.16	22.03		
20	256QAM	1	0	20.39	20.25	20.43	20.30	20.30	20.7	5
20	256QAM	1	49	20.12	20.21	20.25	20.16	20.12		
20	256QAM	1	99	20.23	20.25	20.29	20.19	20.25		
20	256QAM	50	0	20.17	20.16	20.22	20.12	20.10	20.7	5
20	256QAM	50	24	20.07	20.13	20.17	20.04	20.07		
20	256QAM	50	50	20.00	20.05	20.10	20.02	20.07		
20	256QAM	100	0	20.04	20.12	20.12	20.09	20.02		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.13	25.18	25.24	25.19	25.17	26	0
15	QPSK	1	37	25.10	25.07	25.18	25.03	25.10		
15	QPSK	1	74	25.12	25.13	25.25	25.20	25.09		
15	QPSK	36	0	24.07	23.96	24.17	24.12	24.21	24.7	1
15	QPSK	36	20	24.08	23.97	24.12	23.94	24.01		
15	QPSK	36	39	24.07	23.99	24.13	24.00	24.08		
15	QPSK	75	0	24.04	24.01	24.14	24.08	23.99		
15	16QAM	1	0	23.93	23.87	23.98	23.90	23.92	24.7	1
15	16QAM	1	37	23.81	23.84	23.97	23.92	23.91		
15	16QAM	1	74	23.94	23.81	23.91	23.79	23.78		
15	16QAM	36	0	23.05	23.07	23.12	23.15	23.12	23.7	2
15	16QAM	36	20	23.03	22.97	23.17	22.96	23.07		
15	16QAM	36	39	22.95	23.06	23.14	22.95	23.05		
15	16QAM	75	0	23.02	23.07	23.18	22.97	23.12		
15	64QAM	1	0	22.96	22.91	23.00	22.90	23.03	23.7	2
15	64QAM	1	37	22.90	22.83	23.07	22.83	22.99		
15	64QAM	1	74	22.92	22.94	23.02	22.86	22.92		
15	64QAM	36	0	21.99	21.94	22.12	22.04	22.10	22.7	3
15	64QAM	36	20	21.97	21.96	22.09	21.96	22.07		
15	64QAM	36	39	21.97	22.06	22.07	21.95	21.94		
15	64QAM	75	0	22.03	22.05	22.12	22.06	21.98		
15	256QAM	1	0	20.30	20.17	20.35	20.23	20.27	20.7	5
15	256QAM	1	37	20.03	20.10	20.12	20.10	20.01		
15	256QAM	1	74	20.09	20.21	20.25	20.05	20.14		
15	256QAM	36	0	20.02	20.06	20.17	20.00	19.99	20.7	5
15	256QAM	36	20	19.93	20.06	20.02	19.96	19.93		
15	256QAM	36	39	19.89	19.99	20.01	19.89	19.94		
15	256QAM	75	0	19.90	20.05	20.06	19.99	19.98		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.10	25.23	25.23	25.12	25.21	26	0
10	QPSK	1	25	25.12	25.05	25.21	25.00	25.17		
10	QPSK	1	49	25.11	25.07	25.16	25.15	25.20		
10	QPSK	25	0	24.01	23.99	24.25	24.11	24.14	24.7	1
10	QPSK	25	12	24.09	23.97	24.19	23.91	24.04		
10	QPSK	25	25	24.08	24.03	24.18	24.03	24.17		
10	QPSK	50	0	24.11	23.97	24.19	24.07	23.94		
10	16QAM	1	0	23.92	23.86	24.04	23.94	23.92	24.7	1
10	16QAM	1	25	23.79	23.80	23.97	23.84	23.91		
10	16QAM	1	49	23.92	23.81	23.96	23.76	23.85		
10	16QAM	25	0	23.02	23.09	23.12	23.18	23.07	23.7	2
10	16QAM	25	12	23.11	23.04	23.15	22.93	23.05		
10	16QAM	25	25	23.00	23.03	23.10	22.92	23.03		
10	16QAM	50	0	22.97	23.04	23.16	23.05	23.08		
10	64QAM	1	0	22.91	22.90	23.01	22.88	23.02	23.7	2
10	64QAM	1	25	22.89	22.75	23.04	22.87	22.99		
10	64QAM	1	49	22.82	23.03	22.96	22.88	22.85		
10	64QAM	25	0	22.01	21.95	22.15	22.09	22.05	22.7	3
10	64QAM	25	12	22.08	21.90	22.17	21.85	22.03		
10	64QAM	25	25	22.03	22.10	22.07	21.93	21.94		
10	64QAM	50	0	22.07	22.03	22.12	22.06	21.95		
10	256QAM	1	0	20.29	20.11	20.39	20.22	20.21	20.7	5
10	256QAM	1	25	19.97	20.17	20.14	20.04	19.98		
10	256QAM	1	49	20.14	20.17	20.15	20.12	20.15		
10	256QAM	25	0	20.09	20.06	20.15	20.04	20.03	20.7	5
10	256QAM	25	12	20.03	20.00	20.08	19.99	19.96		
10	256QAM	25	25	19.89	19.90	20.05	19.93	19.96		
10	256QAM	50	0	20.00	20.03	20.07	20.05	19.95		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.17	25.24	25.30	25.18	25.17	26	0
5	QPSK	1	12	25.11	25.15	25.18	25.02	25.18		
5	QPSK	1	24	25.10	25.09	25.23	25.21	25.19		
5	QPSK	12	0	24.08	24.05	24.27	24.07	24.17	24.7	1
5	QPSK	12	7	24.09	23.95	24.19	23.99	24.11		
5	QPSK	12	13	24.15	24.09	24.18	24.02	24.12		
5	QPSK	25	0	24.04	24.03	24.17	24.01	24.03		
5	16QAM	1	0	23.93	23.87	23.97	23.98	23.97	24.7	1
5	16QAM	1	12	23.82	23.81	23.98	23.94	23.88		
5	16QAM	1	24	23.95	23.82	23.98	23.81	23.76		
5	16QAM	12	0	23.08	23.14	23.18	23.18	23.06	23.7	2
5	16QAM	12	7	23.11	23.02	23.17	22.99	23.01		
5	16QAM	12	13	22.97	23.08	23.12	22.98	23.07		
5	16QAM	25	0	23.04	22.99	23.12	23.02	23.08		
5	64QAM	1	0	22.97	22.86	23.00	22.96	23.03	23.7	2
5	64QAM	1	12	22.96	22.83	22.97	22.86	22.92		
5	64QAM	1	24	22.92	23.03	22.95	22.88	22.84		
5	64QAM	12	0	22.02	21.93	22.09	22.08	22.13	22.7	3
5	64QAM	12	7	22.05	21.99	22.16	21.87	22.06		
5	64QAM	12	13	22.03	22.01	22.08	21.97	21.94		
5	64QAM	25	0	22.00	22.06	22.03	22.04	21.98		
5	256QAM	1	0	20.33	20.16	20.37	20.26	20.22	20.7	5
5	256QAM	1	12	19.98	20.12	20.18	20.09	19.98		
5	256QAM	1	24	20.12	20.16	20.15	20.12	20.15		
5	256QAM	12	0	20.07	20.04	20.07	19.98	20.01	20.7	5
5	256QAM	12	7	19.97	20.04	20.11	19.92	19.99		
5	256QAM	12	13	19.89	19.99	19.96	19.87	19.93		
5	256QAM	25	0	19.93	20.09	20.00	20.03	19.88		

Band 48 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3690		
20	QPSK	1	0	23.32	23.37	23.34	23.27	24	0
20	QPSK	1	49	23.22	23.28	23.23	23.18		
20	QPSK	1	99	23.19	23.30	23.24	23.13		
20	QPSK	50	0	22.22	22.32	22.18	22.04	23	1
20	QPSK	50	24	22.15	22.24	22.15	22.04		
20	QPSK	50	50	22.24	22.27	22.20	22.15		
20	QPSK	100	0	22.13	22.22	22.18	22.15		
20	16QAM	1	0	21.97	22.15	22.03	21.94	23	1
20	16QAM	1	49	21.96	22.08	22.07	21.95		
20	16QAM	1	99	22.03	22.01	21.91	21.81		
20	16QAM	50	0	21.12	21.28	21.22	21.11	22	2
20	16QAM	50	24	21.11	21.19	21.09	21.04		
20	16QAM	50	50	21.13	21.26	21.13	21.01		
20	16QAM	100	0	21.13	21.23	21.22	21.13		
20	64QAM	1	0	21.02	21.20	21.09	21.03	22	2
20	64QAM	1	49	20.92	21.08	21.12	20.97		
20	64QAM	1	99	21.14	21.17	21.06	20.98		
20	64QAM	50	0	20.20	20.30	20.22	20.14	21	3
20	64QAM	50	24	20.09	20.20	20.06	19.99		
20	64QAM	50	50	20.11	20.27	20.14	20.09		
20	64QAM	100	0	20.17	20.23	20.21	20.17		
20	256QAM	1	0	18.38	18.50	18.38	18.31	19	5
20	256QAM	1	49	18.30	18.27	18.24	18.19		
20	256QAM	1	99	18.25	18.38	18.32	18.18		
20	256QAM	50	0	18.17	18.21	18.10	17.95	19	5
20	256QAM	50	24	18.17	18.18	18.13	18.03		
20	256QAM	50	50	18.00	18.11	18.08	17.95		
20	256QAM	100	0	18.10	18.21	18.14	18.06		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	23.19	23.32	23.24	23.20	24	0
15	QPSK	1	37	23.09	23.17	23.11	23.12		
15	QPSK	1	74	23.04	23.18	23.18	22.98		
15	QPSK	36	0	22.12	22.19	22.11	21.96	23	1
15	QPSK	36	20	22.06	22.10	22.10	21.93		
15	QPSK	36	39	22.17	22.12	22.15	22.09		
15	QPSK	75	0	22.01	22.08	22.12	22.10		
15	16QAM	1	0	21.89	22.00	21.95	21.85	23	1
15	16QAM	1	37	21.90	22.00	22.00	21.92		
15	16QAM	1	74	21.98	21.94	21.82	21.67		
15	16QAM	36	0	20.97	21.19	21.14	21.03	22	2
15	16QAM	36	20	20.97	21.07	20.99	20.94		
15	16QAM	36	39	21.07	21.11	21.09	20.97		
15	16QAM	75	0	21.10	21.09	21.08	21.07		
15	64QAM	1	0	20.96	21.11	20.94	20.90	22	2
15	64QAM	1	37	20.81	20.99	21.03	20.85		
15	64QAM	1	74	20.99	21.10	21.01	20.86		
15	64QAM	36	0	20.08	20.21	20.13	20.04	21	3
15	64QAM	36	20	20.00	20.09	19.94	19.86		
15	64QAM	36	39	19.97	20.18	20.07	19.97		
15	64QAM	75	0	20.03	20.17	20.10	20.04		
15	256QAM	1	0	18.25	18.36	18.29	18.18	19	5
15	256QAM	1	37	18.25	18.17	18.11	18.10		
15	256QAM	1	74	18.19	18.25	18.29	18.14		
15	256QAM	36	0	18.08	18.16	18.02	17.83	19	5
15	256QAM	36	20	18.13	18.10	18.00	17.88		
15	256QAM	36	39	17.86	18.06	17.98	17.82		
15	256QAM	75	0	18.07	18.16	18.06	17.97		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3692		
10	QPSK	1	0	23.22	23.30	23.30	23.17	24	0
10	QPSK	1	25	23.10	23.20	23.13	23.12		
10	QPSK	1	49	23.10	23.25	23.17	23.10		
10	QPSK	25	0	22.18	22.27	22.07	21.95	23	1
10	QPSK	25	12	22.01	22.16	22.05	21.96		
10	QPSK	25	25	22.19	22.17	22.16	22.01		
10	QPSK	50	0	22.00	22.11	22.05	22.07		
10	16QAM	1	0	21.84	22.05	21.89	21.84	23	1
10	16QAM	1	25	21.91	22.02	21.93	21.84		
10	16QAM	1	49	21.89	21.95	21.84	21.68		
10	16QAM	25	0	21.01	21.18	21.13	20.97	22	2
10	16QAM	25	12	20.97	21.09	20.95	20.99		
10	16QAM	25	25	20.99	21.16	21.02	20.90		
10	16QAM	50	0	21.08	21.10	21.18	20.99		
10	64QAM	1	0	20.96	21.06	21.03	21.00	22	2
10	64QAM	1	25	20.86	21.03	20.98	20.91		
10	64QAM	1	49	21.03	21.04	20.96	20.88		
10	64QAM	25	0	20.12	20.16	20.13	20.11	21	3
10	64QAM	25	12	20.00	20.12	20.02	19.89		
10	64QAM	25	25	20.03	20.17	20.04	20.04		
10	64QAM	50	0	20.12	20.13	20.12	20.11		
10	256QAM	1	0	18.33	18.39	18.31	18.27	19	5
10	256QAM	1	25	18.17	18.16	18.21	18.07		
10	256QAM	1	49	18.20	18.25	18.20	18.10		
10	256QAM	25	0	18.03	18.12	18.05	17.83	19	5
10	256QAM	25	12	18.13	18.13	18.01	17.91		
10	256QAM	25	25	17.96	18.02	17.99	17.91		
10	256QAM	50	0	18.02	18.09	18.07	18.00		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3643	3697.5		
5	QPSK	1	0	23.25	23.27	23.29	23.19	24	0
5	QPSK	1	12	23.16	23.16	23.15	23.11		
5	QPSK	1	24	23.12	23.21	23.10	23.07		
5	QPSK	12	0	22.08	22.26	22.09	21.90	23	1
5	QPSK	12	7	22.03	22.15	22.04	22.01		
5	QPSK	12	13	22.16	22.15	22.09	22.05		
5	QPSK	25	0	22.04	22.12	22.05	22.04		
5	16QAM	1	0	21.91	22.05	21.91	21.80	23	1
5	16QAM	1	12	21.87	21.94	21.93	21.83		
5	16QAM	1	24	21.89	21.93	21.87	21.72		
5	16QAM	12	0	21.04	21.23	21.08	21.06	22	2
5	16QAM	12	7	21.00	21.16	21.05	20.92		
5	16QAM	12	13	21.07	21.15	21.00	20.92		
5	16QAM	25	0	21.09	21.18	21.13	21.04		
5	64QAM	1	0	20.90	21.14	21.00	20.90	22	2
5	64QAM	1	12	20.88	20.99	21.02	20.83		
5	64QAM	1	24	21.07	21.11	20.94	20.83		
5	64QAM	12	0	20.14	20.16	20.16	20.09	21	3
5	64QAM	12	7	20.05	20.14	19.99	19.94		
5	64QAM	12	13	20.02	20.19	20.07	20.03		
5	64QAM	25	0	20.10	20.18	20.13	20.10		
5	256QAM	1	0	18.33	18.36	18.25	18.22	19	5
5	256QAM	1	12	18.18	18.15	18.15	18.13		
5	256QAM	1	24	18.13	18.29	18.25	18.10		
5	256QAM	12	0	18.06	18.09	18.00	17.92	19	5
5	256QAM	12	7	18.06	18.08	18.08	17.96		
5	256QAM	12	13	17.91	18.07	17.96	17.85		
5	256QAM	25	0	18.02	18.09	18.02	17.92		

Band 48 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3696		
20	QPSK	1	0	21.24	21.29	21.20	21.18	22.5	0
20	QPSK	1	49	21.11	21.15	21.09	21.13		
20	QPSK	1	99	21.15	21.24	21.13	21.09		
20	QPSK	50	0	20.14	20.25	20.10	19.94	21.5	1
20	QPSK	50	24	20.09	20.12	20.03	19.91		
20	QPSK	50	50	20.14	20.22	20.07	20.10		
20	QPSK	100	0	20.06	20.20	20.10	20.09		
20	16QAM	1	0	19.91	20.09	19.93	19.86	21.5	1
20	16QAM	1	49	19.92	20.00	20.01	19.86		
20	16QAM	1	99	19.96	19.87	19.82	19.67		
20	16QAM	50	0	18.99	19.17	19.16	18.99	20.5	2
20	16QAM	50	24	19.01	19.10	18.99	18.93		
20	16QAM	50	50	19.09	19.14	19.09	18.87		
20	16QAM	100	0	19.08	19.17	19.14	19.03		
20	64QAM	1	0	18.92	19.17	18.97	18.89	20.5	2
20	64QAM	1	49	18.82	18.96	19.03	18.93		
20	64QAM	1	99	19.04	19.10	18.91	18.87		
20	64QAM	50	0	18.11	18.25	18.16	18.09	19.5	3
20	64QAM	50	24	17.98	18.09	18.01	17.90		
20	64QAM	50	50	17.98	18.17	18.06	18.02		
20	64QAM	100	0	18.11	18.12	18.08	18.11		
20	256QAM	1	0	16.31	16.41	16.32	16.23	17.5	5
20	256QAM	1	49	16.15	16.13	16.17	16.15		
20	256QAM	1	99	16.21	16.35	16.19	16.14		
20	256QAM	50	0	16.05	16.15	16.03	15.91	17.5	5
20	256QAM	50	24	16.11	16.05	16.06	15.94		
20	256QAM	50	50	15.95	16.03	15.93	15.91		
20	256QAM	100	0	16.02	16.14	16.01	15.98		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	21.11	21.20	21.08	21.10	22.5	0
15	QPSK	1	37	21.02	21.12	21.05	21.08		
15	QPSK	1	74	21.06	21.15	20.98	21.02		
15	QPSK	36	0	20.07	20.12	19.96	19.88	21.5	1
15	QPSK	36	20	20.05	20.08	19.95	19.80		
15	QPSK	36	39	20.07	20.16	19.99	19.98		
15	QPSK	75	0	19.91	20.12	19.97	19.97		
15	16QAM	1	0	19.82	20.05	19.86	19.82	21.5	1
15	16QAM	1	37	19.78	19.91	19.92	19.76		
15	16QAM	1	74	19.86	19.74	19.74	19.59		
15	16QAM	36	0	18.86	19.11	19.02	18.90	20.5	2
15	16QAM	36	20	18.96	18.96	18.92	18.80		
15	16QAM	36	39	19.05	19.11	19.00	18.73		
15	16QAM	75	0	18.99	19.08	19.06	18.88		
15	64QAM	1	0	18.88	19.07	18.91	18.77	20.5	2
15	64QAM	1	37	18.73	18.92	18.91	18.87		
15	64QAM	1	74	18.92	19.02	18.81	18.81		
15	64QAM	36	0	18.07	18.16	18.02	17.95	19.5	3
15	64QAM	36	20	17.89	17.95	17.95	17.76		
15	64QAM	36	39	17.88	18.03	17.97	17.91		
15	64QAM	75	0	17.99	18.01	17.99	17.98		
15	256QAM	1	0	16.16	16.34	16.22	16.19	17.5	5
15	256QAM	1	37	16.05	15.98	16.04	16.01		
15	256QAM	1	74	16.10	16.31	16.07	16.10		
15	256QAM	36	0	15.91	16.04	15.88	15.88	17.5	5
15	256QAM	36	20	16.06	15.95	15.96	15.90		
15	256QAM	36	39	15.86	15.92	15.86	15.81		
15	256QAM	75	0	15.90	16.05	15.90	15.90		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3695		
10	QPSK	1	0	21.12	21.25	21.16	21.13	22.5	0
10	QPSK	1	25	20.98	21.07	20.95	21.05		
10	QPSK	1	49	21.10	21.12	21.03	20.96		
10	QPSK	25	0	20.03	20.20	20.02	19.91	21.5	1
10	QPSK	25	12	19.98	20.02	19.95	19.85		
10	QPSK	25	25	20.10	20.16	19.98	19.99		
10	QPSK	50	0	19.92	20.07	20.02	19.99		
10	16QAM	1	0	19.86	20.01	19.88	19.82	21.5	1
10	16QAM	1	25	19.78	19.90	19.96	19.73		
10	16QAM	1	49	19.85	19.81	19.67	19.54		
10	16QAM	25	0	18.93	19.07	19.13	18.85	20.5	2
10	16QAM	25	12	18.93	19.01	18.93	18.79		
10	16QAM	25	25	18.98	19.07	18.94	18.81		
10	16QAM	50	0	19.05	19.06	19.02	19.00		
10	64QAM	1	0	18.86	19.09	18.82	18.85	20.5	2
10	64QAM	1	25	18.76	18.89	18.94	18.80		
10	64QAM	1	49	18.92	18.99	18.79	18.78		
10	64QAM	25	0	18.08	18.13	18.07	18.05	19.5	3
10	64QAM	25	12	17.91	17.96	17.92	17.87		
10	64QAM	25	25	17.85	18.06	18.00	17.97		
10	64QAM	50	0	17.97	17.98	18.04	18.04		
10	256QAM	1	0	16.24	16.30	16.24	16.12	17.5	5
10	256QAM	1	25	16.03	16.02	16.03	16.03		
10	256QAM	1	49	16.12	16.25	16.15	16.02		
10	256QAM	25	0	15.98	16.02	15.89	15.85	17.5	5
10	256QAM	25	12	16.04	15.93	15.94	15.80		
10	256QAM	25	25	15.87	15.92	15.78	15.81		
10	256QAM	50	0	15.94	16.05	15.94	15.87		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3643	3697.5		
5	QPSK	1	0	21.16	21.19	21.08	21.07	22.5	0
5	QPSK	1	12	21.00	21.03	20.97	21.02		
5	QPSK	1	24	21.06	21.09	20.99	21.01		
5	QPSK	12	0	20.08	20.14	19.98	19.89	21.5	1
5	QPSK	12	7	20.04	20.06	20.00	19.79		
5	QPSK	12	13	20.11	20.15	20.02	19.95		
5	QPSK	25	0	20.03	20.08	19.98	19.95		
5	16QAM	1	0	19.79	20.00	19.80	19.78	21.5	1
5	16QAM	1	12	19.82	19.87	19.93	19.82		
5	16QAM	1	24	19.86	19.73	19.71	19.56		
5	16QAM	12	0	18.89	19.08	19.06	18.89	20.5	2
5	16QAM	12	7	18.89	19.06	18.88	18.82		
5	16QAM	12	13	18.98	19.03	19.05	18.79		
5	16QAM	25	0	19.01	19.06	19.08	18.92		
5	64QAM	1	0	18.78	19.11	18.83	18.83	20.5	2
5	64QAM	1	12	18.74	18.82	18.92	18.84		
5	64QAM	1	24	18.93	18.99	18.84	18.76		
5	64QAM	12	0	17.97	18.19	18.05	18.05	19.5	3
5	64QAM	12	7	17.92	17.95	17.95	17.81		
5	64QAM	12	13	17.93	18.07	18.02	17.98		
5	64QAM	25	0	18.03	18.01	17.94	17.99		
5	256QAM	1	0	16.23	16.37	16.28	16.14	17.5	5
5	256QAM	1	12	16.05	16.01	16.11	16.11		
5	256QAM	1	24	16.13	16.23	16.05	16.02		
5	256QAM	12	0	15.99	16.02	15.91	15.81	17.5	5
5	256QAM	12	7	15.99	16.02	16.01	15.82		
5	256QAM	12	13	15.92	15.89	15.86	15.81		
5	256QAM	25	0	15.96	16.08	15.88	15.91		

Band 48 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3680	3609	3641	3690		
20	QPSK	1	0	21.31	21.36	21.34	21.27	22.5	0
20	QPSK	1	49	21.22	21.25	21.16	21.29		
20	QPSK	1	99	21.24	21.35	21.19	21.15		
20	QPSK	50	0	20.27	20.33	20.19	20.08	21.5	1
20	QPSK	50	24	20.21	20.21	20.08	20.05		
20	QPSK	50	50	20.23	20.30	20.18	20.19		
20	QPSK	100	0	20.15	20.36	20.26	20.21		
20	16QAM	1	0	19.98	20.24	20.09	20.01	21.5	1
20	16QAM	1	49	19.98	20.14	20.10	19.96		
20	16QAM	1	99	20.12	20.19	20.08	20.10		
20	16QAM	50	0	19.12	19.23	19.22	19.11	20.5	2
20	16QAM	50	24	19.17	19.23	19.07	19.03		
20	16QAM	50	50	19.16	19.21	19.14	19.01		
20	16QAM	100	0	19.21	19.24	19.24	19.15		
20	64QAM	1	0	19.07	19.29	19.12	18.98	20.5	2
20	64QAM	1	49	18.99	19.11	19.14	19.07		
20	64QAM	1	99	19.10	19.26	19.02	18.98		
20	64QAM	50	0	18.22	18.34	18.31	18.15	19.5	3
20	64QAM	50	24	18.05	18.17	18.07	18.03		
20	64QAM	50	50	18.10	18.31	18.23	18.14		
20	64QAM	100	0	18.22	18.21	18.20	18.18		
20	256QAM	1	0	16.43	16.54	16.40	16.36	17.5	5
20	256QAM	1	49	16.27	16.20	16.32	16.32		
20	256QAM	1	99	16.34	16.51	16.30	16.31		
20	256QAM	50	0	16.11	16.20	16.18	16.00	17.5	5
20	256QAM	50	24	16.22	16.11	16.15	16.11		
20	256QAM	50	50	16.04	16.11	16.00	16.08		
20	256QAM	100	0	16.18	16.25	16.15	16.14		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.21	21.28	21.20	21.16	22.5	0
15	QPSK	1	37	21.14	21.11	21.07	21.24		
15	QPSK	1	74	21.12	21.22	21.08	21.02		
15	QPSK	36	0	20.18	20.18	20.11	19.99	21.5	1
15	QPSK	36	20	20.14	20.13	20.04	19.91		
15	QPSK	36	39	20.14	20.16	20.11	20.09		
15	QPSK	75	0	20.03	20.25	20.17	20.10		
15	16QAM	1	0	19.94	20.13	20.00	19.87	21.5	1
15	16QAM	1	37	19.89	20.01	20.03	19.89		
15	16QAM	1	74	19.99	20.07	19.99	19.98		
15	16QAM	36	0	19.08	19.09	19.17	19.04	20.5	2
15	16QAM	36	20	19.02	19.19	18.93	18.99		
15	16QAM	36	39	19.03	19.13	19.00	18.87		
15	16QAM	75	0	19.11	19.15	19.20	19.10		
15	64QAM	1	0	18.92	19.15	18.98	18.88	20.5	2
15	64QAM	1	37	18.94	19.04	19.05	18.97		
15	64QAM	1	74	19.00	19.13	18.95	18.91		
15	64QAM	36	0	18.14	18.19	18.21	18.08	19.5	3
15	64QAM	36	20	17.97	18.14	17.96	17.94		
15	64QAM	36	39	18.00	18.17	18.13	18.09		
15	64QAM	75	0	18.09	18.13	18.13	18.06		
15	256QAM	1	0	16.36	16.40	16.34	16.30	17.5	5
15	256QAM	1	37	16.23	16.15	16.20	16.24		
15	256QAM	1	74	16.27	16.36	16.21	16.20		
15	256QAM	36	0	16.02	16.07	16.11	15.93	17.5	5
15	256QAM	36	20	16.14	16.01	16.03	16.03		
15	256QAM	36	39	16.00	16.03	15.89	15.95		
15	256QAM	75	0	16.07	16.14	16.07	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.27	21.32	21.23	21.22	22.5	0
10	QPSK	1	25	21.09	21.20	21.10	21.21		
10	QPSK	1	49	21.13	21.22	21.15	21.10		
10	QPSK	25	0	20.20	20.24	20.10	19.93	21.5	1
10	QPSK	25	12	20.18	20.16	19.94	19.94		
10	QPSK	25	25	20.09	20.22	20.12	20.11		
10	QPSK	50	0	20.09	20.27	20.22	20.11		
10	16QAM	1	0	19.91	20.12	19.99	19.94	21.5	1
10	16QAM	1	25	19.86	20.02	20.05	19.87		
10	16QAM	1	49	20.03	20.15	20.03	19.99		
10	16QAM	25	0	19.02	19.17	19.16	18.99	20.5	2
10	16QAM	25	12	19.12	19.11	18.94	19.00		
10	16QAM	25	25	19.03	19.08	19.07	18.89		
10	16QAM	50	0	19.14	19.13	19.12	19.07		
10	64QAM	1	0	18.92	19.16	19.08	18.85	20.5	2
10	64QAM	1	25	18.92	19.00	19.10	18.98		
10	64QAM	1	49	19.02	19.17	18.91	18.87		
10	64QAM	25	0	18.08	18.23	18.24	18.09	19.5	3
10	64QAM	25	12	17.95	18.09	17.92	17.93		
10	64QAM	25	25	18.05	18.24	18.18	18.03		
10	64QAM	50	0	18.12	18.07	18.15	18.06		
10	256QAM	1	0	16.35	16.48	16.30	16.33	17.5	5
10	256QAM	1	25	16.24	16.06	16.29	16.18		
10	256QAM	1	49	16.26	16.46	16.25	16.17		
10	256QAM	25	0	15.97	16.15	16.06	15.93	17.5	5
10	256QAM	25	12	16.16	16.02	16.04	16.03		
10	256QAM	25	25	16.00	16.03	15.93	15.98		
10	256QAM	50	0	16.12	16.19	16.11	16.02		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3645	3697.5		
5	QPSK	1	0	21.19	21.28	21.25	21.24	22.5	0
5	QPSK	1	12	21.12	21.17	21.03	21.25		
5	QPSK	1	24	21.16	21.28	21.09	21.04		
5	QPSK	12	0	20.20	20.24	20.14	19.93	21.5	1
5	QPSK	12	7	20.06	20.07	19.93	19.96		
5	QPSK	12	13	20.18	20.26	20.10	20.15		
5	QPSK	25	0	20.11	20.25	20.12	20.08		
5	16QAM	1	0	19.86	20.15	20.04	19.91	21.5	1
5	16QAM	1	12	19.84	20.01	19.98	19.90		
5	16QAM	1	24	20.08	20.05	20.04	20.06		
5	16QAM	12	0	19.05	19.18	19.15	19.06	20.5	2
5	16QAM	12	7	19.03	19.19	19.04	18.96		
5	16QAM	12	13	19.01	19.11	19.06	18.86		
5	16QAM	25	0	19.12	19.18	19.09	19.10		
5	64QAM	1	0	19.03	19.23	19.04	18.87	20.5	2
5	64QAM	1	12	18.92	19.02	19.00	18.96		
5	64QAM	1	24	19.01	19.14	18.96	18.83		
5	64QAM	12	0	18.14	18.21	18.19	18.01	19.5	3
5	64QAM	12	7	18.01	18.06	18.01	17.99		
5	64QAM	12	13	18.00	18.28	18.12	18.09		
5	64QAM	25	0	18.16	18.15	18.12	18.08		
5	256QAM	1	0	16.28	16.44	16.32	16.33	17.5	5
5	256QAM	1	12	16.20	16.17	16.29	16.19		
5	256QAM	1	24	16.23	16.46	16.25	16.26		
5	256QAM	12	0	16.02	16.16	16.15	15.86	17.5	5
5	256QAM	12	7	16.12	15.99	16.06	16.02		
5	256QAM	12	13	15.92	15.97	15.95	15.94		
5	256QAM	25	0	16.06	16.15	16.07	16.11		

Band 48 Ant8 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3690		
20	QPSK	1	0	21.29	21.40	21.36	21.25	22.5	0
20	QPSK	1	49	21.17	21.25	21.13	21.30		
20	QPSK	1	99	21.15	21.34	21.13	21.12		
20	QPSK	50	0	20.19	20.38	20.21	20.04	21.5	1
20	QPSK	50	24	20.13	20.18	19.98	20.06		
20	QPSK	50	50	20.13	20.32	20.18	20.09		
20	QPSK	100	0	20.13	20.38	20.28	20.20		
20	16QAM	1	0	19.96	20.21	20.03	19.89	21.5	1
20	16QAM	1	49	19.92	20.04	20.13	19.94		
20	16QAM	1	99	20.00	20.15	20.04	20.04		
20	16QAM	50	0	19.05	19.18	19.17	19.15	20.5	2
20	16QAM	50	24	19.24	19.14	19.07	19.01		
20	16QAM	50	50	19.10	19.23	19.14	19.04		
20	16QAM	100	0	19.22	19.19	19.18	19.15		
20	64QAM	1	0	19.09	19.24	19.19	18.88	20.5	2
20	64QAM	1	49	19.06	19.02	19.15	19.09		
20	64QAM	1	99	19.05	19.19	18.92	19.02		
20	64QAM	50	0	18.18	18.34	18.33	18.08	19.5	3
20	64QAM	50	24	17.95	18.10	18.00	17.98		
20	64QAM	50	50	18.00	18.28	18.24	18.18		
20	64QAM	100	0	18.17	18.15	18.15	18.14		
20	256QAM	1	0	16.46	16.53	16.40	16.41	17.5	5
20	256QAM	1	49	16.23	16.10	16.31	16.25		
20	256QAM	1	99	16.27	16.51	16.25	16.23		
20	256QAM	50	0	16.11	16.10	16.07	15.89	17.5	5
20	256QAM	50	24	16.24	16.15	16.07	16.03		
20	256QAM	50	50	15.99	16.08	16.08	15.95		
20	256QAM	100	0	16.13	16.21	16.03	16.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	21.31	21.32	21.34	21.22	22.5	0
15	QPSK	1	37	21.09	21.26	21.08	21.30		
15	QPSK	1	74	21.23	21.25	21.21	21.15		
15	QPSK	36	0	20.22	20.32	20.20	20.01	21.5	1
15	QPSK	36	20	20.16	20.20	20.02	20.01		
15	QPSK	36	39	20.16	20.31	20.19	20.12		
15	QPSK	75	0	20.07	20.30	20.28	20.16		
15	16QAM	1	0	19.98	20.20	20.07	19.87	21.5	1
15	16QAM	1	37	19.90	20.05	20.12	19.93		
15	16QAM	1	74	20.05	20.25	20.06	20.01		
15	16QAM	36	0	19.08	19.25	19.22	19.12	20.5	2
15	16QAM	36	20	19.15	19.20	19.10	18.90		
15	16QAM	36	39	19.06	19.17	19.04	18.98		
15	16QAM	75	0	19.12	19.20	19.21	19.08		
15	64QAM	1	0	19.15	19.34	19.16	18.95	20.5	2
15	64QAM	1	37	19.05	19.12	19.18	19.06		
15	64QAM	1	74	19.07	19.17	18.91	19.02		
15	64QAM	36	0	18.22	18.39	18.31	18.13	19.5	3
15	64QAM	36	20	17.93	18.07	17.99	17.97		
15	64QAM	36	39	18.10	18.33	18.21	18.18		
15	64QAM	75	0	18.13	18.18	18.06	18.14		
15	256QAM	1	0	16.43	16.47	16.43	16.32	17.5	5
15	256QAM	1	37	16.23	16.08	16.27	16.27		
15	256QAM	1	74	16.32	16.41	16.24	16.25		
15	256QAM	36	0	16.03	16.12	16.11	15.96	17.5	5
15	256QAM	36	20	16.19	16.08	16.08	16.00		
15	256QAM	36	39	16.03	16.06	16.06	15.96		
15	256QAM	75	0	16.13	16.20	16.05	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3695		
10	QPSK	1	0	21.25	21.34	21.28	21.19	22.5	0
10	QPSK	1	25	21.16	21.19	21.06	21.32		
10	QPSK	1	49	21.17	21.31	21.11	21.13		
10	QPSK	25	0	20.17	20.30	20.21	20.03	21.5	1
10	QPSK	25	12	20.19	20.21	20.06	20.05		
10	QPSK	25	25	20.16	20.31	20.20	20.10		
10	QPSK	50	0	20.13	20.34	20.29	20.15		
10	16QAM	1	0	19.97	20.26	20.08	19.97	21.5	1
10	16QAM	1	25	19.87	20.12	20.04	19.89		
10	16QAM	1	49	20.06	20.17	19.97	20.03		
10	16QAM	25	0	19.08	19.20	19.24	19.10	20.5	2
10	16QAM	25	12	19.17	19.17	19.07	18.96		
10	16QAM	25	25	19.06	19.14	19.05	19.07		
10	16QAM	50	0	19.15	19.25	19.18	19.11		
10	64QAM	1	0	19.11	19.35	19.17	18.90	20.5	2
10	64QAM	1	25	19.00	19.10	19.17	19.03		
10	64QAM	1	49	19.03	19.25	18.91	18.91		
10	64QAM	25	0	18.24	18.40	18.31	18.09	19.5	3
10	64QAM	25	12	17.91	18.08	17.97	17.99		
10	64QAM	25	25	18.05	18.28	18.26	18.17		
10	64QAM	50	0	18.13	18.14	18.14	18.19		
10	256QAM	1	0	16.44	16.51	16.43	16.35	17.5	5
10	256QAM	1	25	16.31	16.08	16.27	16.22		
10	256QAM	1	49	16.23	16.40	16.34	16.28		
10	256QAM	25	0	16.02	16.09	16.11	15.99	17.5	5
10	256QAM	25	12	16.21	16.05	16.04	15.98		
10	256QAM	25	25	15.97	16.07	16.06	16.00		
10	256QAM	50	0	16.14	16.23	16.10	16.11		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3645	3697.5		
5	QPSK	1	0	21.14	21.34	21.29	21.20	22.5	0
5	QPSK	1	12	21.10	21.14	21.00	21.23		
5	QPSK	1	24	21.10	21.22	21.03	21.04		
5	QPSK	12	0	20.15	20.26	20.08	19.92	21.5	1
5	QPSK	12	7	20.07	20.08	19.85	19.94		
5	QPSK	12	13	20.08	20.18	20.08	19.95		
5	QPSK	25	0	20.04	20.33	20.17	20.07		
5	16QAM	1	0	19.93	20.13	19.96	19.82	21.5	1
5	16QAM	1	12	19.78	19.90	20.09	19.82		
5	16QAM	1	24	19.93	20.07	19.92	19.91		
5	16QAM	12	0	18.96	19.12	19.11	19.03	20.5	2
5	16QAM	12	7	19.16	19.11	19.02	18.95		
5	16QAM	12	13	19.01	19.09	19.05	18.94		
5	16QAM	25	0	19.10	19.10	19.07	19.07		
5	64QAM	1	0	19.04	19.20	19.15	18.75	20.5	2
5	64QAM	1	12	18.93	18.95	19.03	19.04		
5	64QAM	1	24	18.92	19.14	18.80	18.97		
5	64QAM	12	0	18.09	18.24	18.22	18.02	19.5	3
5	64QAM	12	7	17.85	17.99	17.93	17.91		
5	64QAM	12	13	17.91	18.13	18.19	18.08		
5	64QAM	25	0	18.07	18.05	18.09	18.03		
5	256QAM	1	0	16.41	16.39	16.35	16.37	17.5	5
5	256QAM	1	12	16.18	16.02	16.25	16.12		
5	256QAM	1	24	16.21	16.37	16.11	16.19		
5	256QAM	12	0	15.99	16.03	16.00	15.83	17.5	5
5	256QAM	12	7	16.21	16.12	15.96	15.97		
5	256QAM	12	13	15.87	16.04	16.01	15.87		
5	256QAM	25	0	15.99	16.11	15.89	16.14		

Reduced Power Mode for Main PA ECI1

GSM850 Ant0 ECI1

GSM850	Burst Average Power (dBm)			Tune-up	Frame-Average Power (dBm)			Tune-up
TX Channel	128	189	251	Limit	128	189	251	Limit
Frequency (MHz)	824.2	836.4	848.8	(dBm)	824.2	836.4	848.8	(dBm)
GSM 1 Tx slot	32.92	33.10	33.04	34.00	23.92	24.10	24.04	25.00
GPRS 1 Tx slot	32.95	33.13	33.06	34.00	23.95	24.13	24.06	25.00
GPRS 2 Tx slots	30.01	30.11	30.08	31.00	24.01	24.11	24.08	25.00
GPRS 3 Tx slots	28.27	28.31	28.17	29.00	24.01	24.05	23.91	24.74
GPRS 4 Tx slots	27.07	27.15	27.04	28.00	24.07	24.15	24.04	25.00
EDGE 1 Tx slot	27.19	27.32	27.29	28.00	18.19	18.32	18.29	19.00
EDGE 2 Tx slots	24.39	24.45	24.32	25.00	18.39	18.45	18.32	19.00
EDGE 3 Tx slots	22.60	22.71	22.57	23.50	18.34	18.45	18.31	19.24
EDGE 4 Tx slots	21.36	21.44	21.33	22.50	18.36	18.44	18.33	19.50

WCDMA V Ant0 ECI1

Band		WCDMA V			Tune-up
TX Channel		4132	4182	4233	Limit
Rx Channel		4357	4407	4458	(dBm)
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.34	24.35	24.28	25.00
3GPP Rel 99	RMC 12.2Kbps	24.37	24.42	24.34	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.45	23.49	24.00
3GPP Rel 6	HSDPA Subtest-2	23.47	23.43	23.42	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	23.05	23.02	23.50
3GPP Rel 6	HSDPA Subtest-4	22.90	22.88	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.40	23.52	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.36	23.50	23.27	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.79	22.86	22.85	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.78	22.93	22.86	23.50
3GPP Rel 6	HSUPA Subtest-1	23.22	23.37	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.40	21.46	21.43	22.00
3GPP Rel 6	HSUPA Subtest-3	22.41	22.58	22.47	23.00
3GPP Rel 6	HSUPA Subtest-4	21.39	21.39	21.33	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.51	23.37	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	21.09	21.05	21.50

Band 5 Ant0 ECI1

BW [MHz]	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	25.28	25.35	25.31	25.7	0
10	QPSK	1	25	25.21	25.27	25.18		
10	QPSK	1	49	25.19	25.33	25.29		
10	QPSK	25	0	24.15	24.28	24.22	24.7	1
10	QPSK	25	12	24.10	24.23	24.12		
10	QPSK	25	25	24.20	24.25	24.18		
10	QPSK	50	0	24.08	24.19	24.15		
10	16QAM	1	0	24.00	24.14	24.01	24.7	1
10	16QAM	1	25	24.01	24.10	24.00		
10	16QAM	1	49	23.97	24.05	23.94		
10	16QAM	25	0	23.16	23.26	23.22	23.7	2
10	16QAM	25	12	23.10	23.22	23.09		
10	16QAM	25	25	23.12	23.20	23.14		
10	16QAM	50	0	23.15	23.24	23.17		
10	64QAM	1	0	23.40	23.50	23.36	23.7	2
10	64QAM	1	25	23.31	23.43	23.40		
10	64QAM	1	49	23.44	23.49	23.38		
10	64QAM	25	0	22.16	22.25	22.22	22.7	3
10	64QAM	25	12	22.07	22.19	22.08		
10	64QAM	25	25	22.15	22.23	22.09		
10	64QAM	50	0	22.13	22.25	22.17		
10	256QAM	1	0	20.34	20.44	20.31	20.7	5
10	256QAM	1	25	20.26	20.29	20.24		
10	256QAM	1	49	20.28	20.38	20.29		
10	256QAM	25	0	20.17	20.25	20.12	20.7	5
10	256QAM	25	12	20.12	20.19	20.13		
10	256QAM	25	25	20.05	20.16	20.12		
10	256QAM	50	0	20.11	20.21	20.16		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.15	25.27	25.22	25.7	0
5	QPSK	1	12	25.17	25.14	25.15		
5	QPSK	1	24	25.05	25.29	25.20		
5	QPSK	12	0	24.11	24.23	24.18	24.7	1
5	QPSK	12	7	24.07	24.16	24.04		
5	QPSK	12	13	24.16	24.18	24.14		
5	QPSK	25	0	23.95	24.15	24.01		
5	16QAM	1	0	23.96	24.00	23.87	24.7	1
5	16QAM	1	12	23.87	24.04	23.89		
5	16QAM	1	24	23.87	23.93	23.90		
5	16QAM	12	0	23.12	23.22	23.13	23.7	2
5	16QAM	12	7	22.99	23.10	22.98		
5	16QAM	12	13	23.00	23.07	23.06		
5	16QAM	25	0	23.12	23.18	23.02		
5	64QAM	1	0	23.35	23.45	23.24	23.7	2
5	64QAM	1	12	23.18	23.30	23.28		
5	64QAM	1	24	23.34	23.39	23.31		
5	64QAM	12	0	22.03	22.10	22.09	22.7	3
5	64QAM	12	7	22.04	22.14	22.00		
5	64QAM	12	13	22.03	22.15	21.97		
5	64QAM	25	0	22.10	22.21	22.09		
5	256QAM	1	0	20.21	20.40	20.27	20.7	5
5	256QAM	1	12	20.11	20.25	20.18		
5	256QAM	1	24	20.19	20.32	20.25		
5	256QAM	12	0	20.08	20.15	20.03	20.7	5
5	256QAM	12	7	20.06	20.15	20.06		
5	256QAM	12	13	19.99	20.12	20.08		
5	256QAM	25	0	20.07	20.18	20.12		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				823.5	836.5	847.5		
3	QPSK	1	0	25.13	25.28	25.21	25.7	0
3	QPSK	1	8	25.15	25.22	25.10		
3	QPSK	1	14	25.08	25.22	25.18		
3	QPSK	8	0	24.04	24.16	24.12	24.7	1
3	QPSK	8	4	23.96	24.16	24.02		
3	QPSK	8	7	24.10	24.15	24.11		
3	QPSK	15	0	24.00	24.08	24.11		
3	16QAM	1	0	23.92	24.04	23.97	24.7	1
3	16QAM	1	8	23.98	23.96	23.87		
3	16QAM	1	14	23.91	23.96	23.88		
3	16QAM	8	0	23.11	23.19	23.17	23.7	2
3	16QAM	8	4	23.04	23.19	23.03		
3	16QAM	8	7	23.03	23.09	23.06		
3	16QAM	15	0	23.03	23.11	23.06		
3	64QAM	1	0	23.27	23.44	23.32	23.7	2
3	64QAM	1	8	23.22	23.38	23.32		
3	64QAM	1	14	23.31	23.34	23.23		
3	64QAM	8	0	22.02	22.22	22.18	22.7	3
3	64QAM	8	4	22.00	22.15	22.02		
3	64QAM	8	7	22.11	22.09	21.97		
3	64QAM	15	0	22.06	22.15	22.12		
3	256QAM	1	0	20.29	20.33	20.16	20.7	5
3	256QAM	1	8	20.18	20.19	20.17		
3	256QAM	1	14	20.16	20.35	20.25		
3	256QAM	8	0	20.13	20.12	20.00	20.7	5
3	256QAM	8	4	20.00	20.10	19.98		
3	256QAM	8	7	19.95	20.05	19.98		
3	256QAM	15	0	20.01	20.15	20.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.23	25.29	25.18	25.7	0
1.4	QPSK	1	3	25.13	25.21	25.04		
1.4	QPSK	1	5	25.16	25.27	25.24		
1.4	QPSK	3	0	25.22	25.23	25.20		
1.4	QPSK	3	1	25.17	25.24	25.15		
1.4	QPSK	3	3	25.05	25.26	25.25		
1.4	QPSK	6	0	24.06	24.14	24.17	24.7	1
1.4	16QAM	1	0	23.95	24.10	24.01	24.7	1
1.4	16QAM	1	3	24.15	24.13	24.11		
1.4	16QAM	1	5	23.99	24.13	24.05		
1.4	16QAM	3	0	23.89	24.02	23.93		
1.4	16QAM	3	1	23.89	24.00	23.92		
1.4	16QAM	3	3	23.84	24.01	23.83		
1.4	16QAM	6	0	23.12	23.13	23.14	23.7	2
1.4	64QAM	1	0	22.96	23.18	22.96	23.7	2
1.4	64QAM	1	3	22.97	23.10	23.10		
1.4	64QAM	1	5	23.12	23.09	23.12		
1.4	64QAM	3	0	23.26	23.36	23.31		
1.4	64QAM	3	1	23.22	23.35	23.36		
1.4	64QAM	3	3	23.31	23.35	23.23		
1.4	64QAM	6	0	22.04	22.22	22.07	22.7	3
1.4	256QAM	1	0	20.21	20.40	20.16	20.7	5
1.4	256QAM	1	3	20.13	20.21	20.17		
1.4	256QAM	1	5	20.16	20.34	20.16		
1.4	256QAM	3	0	20.03	20.22	19.98		
1.4	256QAM	3	1	20.06	20.16	20.00		
1.4	256QAM	3	3	19.98	20.04	20.05		
1.4	256QAM	6	0	19.96	20.13	20.03	20.7	5

GSM850 Ant1 EC1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.12	33.25	33.23	34.50	24.12	24.25	24.23	25.50
GPRS 1 Tx slot	33.14	33.27	33.26	34.50	24.14	24.27	24.26	25.50
GPRS 2 Tx slots	30.14	30.29	30.15	31.50	24.14	24.29	24.15	25.50
GPRS 3 Tx slots	28.39	28.49	28.42	29.50	24.13	24.23	24.16	25.24
GPRS 4 Tx slots	27.26	27.35	27.24	28.50	24.26	24.35	24.24	25.50
EDGE 1 Tx slot	27.41	27.48	27.41	28.50	18.41	18.48	18.41	19.50
EDGE 2 Tx slots	24.60	24.65	24.57	25.50	18.60	18.65	18.57	19.50
EDGE 3 Tx slots	22.78	22.86	22.80	23.50	18.52	18.60	18.54	19.24
EDGE 4 Tx slots	21.51	21.64	21.54	22.50	18.51	18.64	18.54	19.50

GSM1900 Ant1 EC1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.91	26.21	26.17	28.00	16.91	17.21	17.17	19.00
GPRS 1 Tx slot	25.92	26.26	26.13	28.00	16.92	17.26	17.13	19.00
GPRS 2 Tx slots	22.93	23.31	23.16	25.00	16.93	17.31	17.16	19.00
GPRS 3 Tx slots	21.12	21.52	21.38	23.00	16.86	17.26	17.12	18.74
GPRS 4 Tx slots	20.12	20.30	20.18	22.00	17.12	17.30	17.18	19.00
EDGE 1 Tx slot	22.76	22.91	22.73	24.00	13.76	13.91	13.73	15.00
EDGE 2 Tx slots	19.57	19.60	19.42	21.00	13.57	13.60	13.42	15.00
EDGE 3 Tx slots	17.42	17.23	17.16	19.00	13.16	12.97	12.90	14.74
EDGE 4 Tx slots	15.60	15.61	15.82	17.00	12.60	12.61	12.82	14.00

		WCDMA II Ant1 EC1				WCDMA IV Ant1 EC1				WCDMA V Ant1 EC1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	17.57	17.63	17.59	19.00	17.98	18.09	18.03	19.50	23.66	23.74	23.69	25.00
3GPP Rel 99	RMC 12.2Kbps	17.64	17.66	17.62	19.00	18.00	18.12	18.06	19.50	23.68	23.79	23.72	25.00
3GPP Rel 6	HSDPA Subtest-1	16.44	16.46	16.55	18.00	16.86	17.00	16.92	18.50	22.62	22.73	22.64	24.00
3GPP Rel 6	HSDPA Subtest-2	16.46	16.55	16.34	18.00	16.83	16.91	16.81	18.50	22.59	22.55	22.60	24.00
3GPP Rel 6	HSDPA Subtest-3	16.02	16.05	16.00	17.50	16.47	16.54	16.35	18.00	22.09	22.16	22.09	23.50
3GPP Rel 6	HSDPA Subtest-4	15.87	16.08	16.10	17.50	16.30	16.47	16.44	18.00	22.05	22.19	22.10	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.36	16.43	16.63	18.00	16.77	16.92	16.88	18.50	22.55	22.64	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.42	16.53	16.43	18.00	16.79	16.91	16.84	18.50	22.47	22.55	22.60	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.95	16.09	15.90	17.50	16.35	16.50	16.38	18.00	21.98	22.10	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.82	15.94	15.86	17.50	16.25	16.40	16.32	18.00	21.96	22.05	22.06	23.50
3GPP Rel 6	HSUPA Subtest-1	16.29	16.32	16.51	18.00	16.70	16.81	16.90	18.50	22.45	22.51	22.57	24.00
3GPP Rel 6	HSUPA Subtest-2	14.55	14.49	14.54	16.00	14.97	14.89	14.96	16.50	20.64	20.59	20.67	22.00
3GPP Rel 6	HSUPA Subtest-3	15.62	15.60	15.59	17.00	15.93	16.00	15.96	17.50	21.59	21.77	21.73	23.00
3GPP Rel 6	HSUPA Subtest-4	14.55	14.45	14.32	16.00	14.86	14.89	14.68	16.50	20.62	20.56	20.54	22.00
3GPP Rel 6	HSUPA Subtest-5	16.36	16.44	16.45	18.00	16.84	16.86	16.83	18.50	22.46	22.58	22.48	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	14.12	14.04	14.10	15.50	14.53	14.53	14.48	16.00	20.12	20.27	20.22	21.50

Band 2 Ant1 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.91	18.07	17.99		
20	QPSK	1	49	17.80	17.94	17.79	19	0
20	QPSK	1	99	17.90	17.89	17.83		
20	QPSK	50	0	18.04	18.05	17.87		
20	QPSK	50	24	17.68	17.85	17.79	19	0
20	QPSK	50	50	17.63	17.93	17.74		
20	QPSK	100	0	17.71	17.95	17.90		
20	16QAM	1	0	17.67	17.77	17.79		
20	16QAM	1	49	17.68	17.94	17.73	19	0
20	16QAM	1	99	17.87	17.81	17.86		
20	16QAM	50	0	17.83	17.90	17.76		
20	16QAM	50	24	17.58	17.85	17.68	19	0
20	16QAM	50	50	17.69	17.82	17.63		
20	16QAM	100	0	17.69	17.71	17.59		
20	64QAM	1	0	17.79	17.77	17.74		
20	64QAM	1	49	17.73	17.82	17.85	19	0
20	64QAM	1	99	17.70	17.95	17.86		
20	64QAM	50	0	17.64	17.70	17.66		
20	64QAM	50	24	17.94	17.87	17.95	19	0
20	64QAM	50	50	17.76	17.81	17.91		
20	64QAM	100	0	17.76	17.75	17.64		
20	256QAM	1	0	17.71	17.83	17.89		
20	256QAM	1	49	17.72	17.75	17.80	19	0
20	256QAM	1	99	17.72	17.97	17.75		
20	256QAM	50	0	17.82	17.91	17.74		
20	256QAM	50	24	17.54	17.71	17.60	19	0
20	256QAM	50	50	17.80	17.68	17.68		
20	256QAM	100	0	17.48	17.74	17.76		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.73	17.97	17.97		
15	QPSK	1	37	17.70	17.90	17.76	19	0
15	QPSK	1	74	17.70	17.71	17.71		
15	QPSK	36	0	17.88	17.83	17.87		
15	QPSK	36	20	17.67	17.69	17.68	19	0
15	QPSK	36	39	17.57	17.72	17.60		
15	QPSK	75	0	17.57	17.94	17.88		
15	16QAM	1	0	17.48	17.77	17.64		
15	16QAM	1	37	17.47	17.78	17.58	19	0
15	16QAM	1	74	17.73	17.65	17.83		
15	16QAM	36	0	17.75	17.74	17.56		
15	16QAM	36	20	17.41	17.72	17.58	19	0
15	16QAM	36	39	17.65	17.69	17.44		
15	16QAM	75	0	17.62	17.66	17.42		
15	64QAM	1	0	17.73	17.70	17.56		
15	64QAM	1	37	17.70	17.78	17.80	19	0
15	64QAM	1	74	17.52	17.75	17.77		
15	64QAM	36	0	17.47	17.58	17.60		
15	64QAM	36	20	17.79	17.82	17.73	19	0
15	64QAM	36	39	17.75	17.64	17.82		
15	64QAM	75	0	17.56	17.72	17.64		
15	256QAM	1	0	17.61	17.75	17.80		
15	256QAM	1	37	17.57	17.76	17.80	19	0
15	256QAM	1	74	17.73	17.78	17.73		
15	256QAM	36	0	17.77	17.73	17.56		
15	256QAM	36	20	17.43	17.64	17.56	19	0
15	256QAM	36	39	17.66	17.62	17.57		
15	256QAM	75	0	17.43	17.73	17.60		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.71	18.00	17.91		
10	QPSK	1	25	17.67	17.79	17.62	19	0
10	QPSK	1	49	17.81	17.78	17.63		
10	QPSK	25	0	17.87	17.99	17.72		
10	QPSK	25	12	17.60	17.68	17.79	19	0
10	QPSK	25	25	17.42	17.83	17.64		
10	QPSK	50	0	17.72	17.78	17.82		
10	16QAM	1	0	17.66	17.75	17.68		
10	16QAM	1	25	17.50	17.81	17.70	19	0
10	16QAM	1	49	17.83	17.59	17.78		
10	16QAM	25	0	17.81	17.88	17.77		
10	16QAM	25	12	17.36	17.78	17.54	19	0
10	16QAM	25	25	17.59	17.69	17.50		
10	16QAM	50	0	17.60	17.69	17.38		
10	64QAM	1	0	17.68	17.72	17.59		
10	64QAM	1	25	17.71	17.79	17.84	19	0
10	64QAM	1	49	17.52	17.86	17.84		
10	64QAM	25	0	17.64	17.56	17.58		
10	64QAM	25	12	17.95	17.69	17.94	19	0
10	64QAM	25	25	17.74	17.77	17.88		
10	64QAM	50	0	17.64	17.61	17.51		
10	256QAM	1	0	17.65	17.82	17.82		
10	256QAM	1	25	17.69	17.60	17.75	19	0
10	256QAM	1	49	17.52	17.94	17.57		
10	256QAM	25	0	17.64	17.71	17.58		
10	256QAM	25	12	17.33	17.62	17.56	19	0
10	256QAM	25	25	17.68	17.57	17.53		
10	256QAM	50	0	17.32	17.62	17.54		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.87	17.90	18.00		
5	QPSK	1	12	17.79	17.92	17.67	19	0
5	QPSK	1	24	17.91	17.84	17.77		
5	QPSK	12	0	17.88	17.90	17.81		
5	QPSK	12	7	17.62	17.76	17.76	19	0
5	QPSK	12	13	17.43	17.93	17.62		
5	QPSK	25	0	17.72	17.96	17.82		
5	16QAM	1	0	17.63	17.69	17.58		
5	16QAM	1	12	17.68	17.73	17.60	19	0
5	16QAM	1	24	17.81	17.77	17.85		
5	16QAM	12	0	17.78	17.85	17.70		
5	16QAM	12	7	17.55	17.74	17.56	19	0
5	16QAM	12	13	17.63	17.75	17.57		
5	16QAM	25	0	17.49	17.71	17.46		
5	64QAM	1	0	17.67	17.55	17.53		
5	64QAM	1	12	17.66	17.65	17.81	19	0
5	64QAM	1	24	17.54	17.82	17.68		
5	64QAM	12	0	17.48	17.61	17.54		
5	64QAM	12	7	17.88	17.78	17.89	19	0
5	64QAM	12	13	17.61	17.66	17.81		
5	64QAM	25	0	17.73	17.53	17.57		
5	256QAM	1	0	17.56	17.66	17.88		
5	256QAM	1	12	17.68	17.70	17.59	19	0
5	256QAM	1	24	17.96	17.77	17.74		
5	256QAM	12	0	17.83	17.79	17.63		
5	256QAM	12	7	17.40	17.62	17.53	19	0
5	256QAM	12	13	17.68	17.58	17.56		
5	256QAM	25	0	17.28	17.70	17.78		
Channel				18815	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.83	17.99	17.88		
3	QPSK	1	8	17.82	17.94	17.61	19	0
3	QPSK	1	14	17.78	17.68	17.82		
3	QPSK	8	0	17.85	17.84	17.70		
3	QPSK	8	4	17.54	17.87	17.57	19	0
3	QPSK	8	7	17.54	17.85	17.69		
3	QPSK	15	0	17.67	17.91	17.83		
3	16QAM	1	0	17.64	17.79	17.65		
3	16QAM	1	8	17.55	17.78	17.67	19	0
3	16QAM	1	14	17.80	17.65	17.78		
3	16QAM	8	0	17.79	17.75	17.75		
3	16QAM	8	4	17.49	17.81	17.50	19	0
3	16QAM	8	7	17.49	17.67	17.62		
3	16QAM	15	0	17.64	17.58	17.38		
3	64QAM	1	0	17.64	17.66	17.53		
3	64QAM	1	8	17.67	17.66	17.86	19	0
3	64QAM	1	14	17.58	17.82	17.65		
3	64QAM	8	0	17.48	17.51	17.54		
3	64QAM	8	4	17.81	17.81	17.90	19	0
3	64QAM	8	7	17.72	17.79	17.75		
3	64QAM	15	0	17.70	17.77	17.65		
3	256QAM	1	0	17.72	17.71	17.78		
3	256QAM	1	8	17.53	17.73	17.66	19	0
3	256QAM	1	14	17.72	17.79	17.67		
3	256QAM	8	0	17.67	17.73	17.68		
3	256QAM	8	4	17.38	17.51	17.50	19	0
3	256QAM	8	7	17.74	17.56	17.57		
3	256QAM	15	0	17.45	17.75	17.55		
Channel				18907	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.89	17.98	17.84		
1.4	QPSK	1	3	17.65	17.88	17.79		
1.4	QPSK	1	5	17.88	17.84	17.63	19	0
1.4	QPSK	3	0	18.05	17.99	17.66		
1.4	QPSK	3	1	17.66	17.82	17.75		
1.4	QPSK	3	3	17.54	17.94	17.71		
1.4	QPSK	6	0	17.64	17.84	17.78	19	0
1.4	16QAM	1	0	17.52	17.71	17.80		
1.4	16QAM	1	3	17.63	17.81	17.70		
1.4	16QAM	1	5	17.82	17.62	17.88	19	0
1.4	16QAM	3	0	17.67	17.74	17.67		
1.4	16QAM	3	1	17.39	17.71	17.53		
1.4	16QAM	3	3	17.54	17.72	17.58		
1.4	16QAM	6	0	17.58	17.71	17.40	19	0
1.4	64QAM	1	0	17.69	17.65	17.65		
1.4	64QAM	1	3	17.62	17.66	17.79		
1.4	64QAM	1	5	17.72	17.73	17.83	19	0
1.4	64QAM	3	0	17.55	17.69	17.48		
1.4	64QAM	3	1	17.87	17.85	17.95		
1.4	64QAM	3	3	17.70	17.78	17.81		
1.4	64QAM	6	0	17.65	17.56	17.51	19	0
1.4	256QAM	1	0	17.63	17.80	17.83		
1.4	256QAM	1	3	17.71	17.61	17.66		
1.4	256QAM	1	5	17.54	17.78	17.66	19	0
1.4	256QAM	3	0	17.66	17.83	17.58		
1.4	256QAM	3	1	17.46	17.67	17.51		
1.4	256QAM	3	3	17.74	17.64	17.67		
1.4	256QAM	6	0	17.46	17.62	17.78	19	0

Band 4 Ant1 ECI1

BW [MHz]	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	18.35	18.46	18.33		
20	QPSK	1	49	18.18	18.24	18.19	19.5	0
20	QPSK	1	99	18.16	18.26	18.20		
20	QPSK	50	0	18.29	18.39	18.25		
20	QPSK	50	24	18.09	18.34	18.22	19.5	0
20	QPSK	50	50	18.15	18.23	18.06		
20	QPSK	100	0	18.25	18.32	18.25		
20	16QAM	1	0	18.22	18.19	18.15		
20	16QAM	1	49	18.18	18.26	18.18	19.5	0
20	16QAM	1	99	18.07	18.26	18.04		
20	16QAM	50	0	17.94	18.13	17.97		
20	16QAM	50	24	18.03	18.08	18.07	19.5	0
20	16QAM	50	50	17.98	17.98	17.96		
20	16QAM	100	0	18.03	18.12	17.97		
20	64QAM	1	0	18.08	18.16	17.96		
20	64QAM	1	49	18.01	18.02	17.99	19.5	0
20	64QAM	1	99	18.13	18.06	18.01		
20	64QAM	50	0	18.06	18.11	18.04		
20	64QAM	50	24	18.25	18.24	18.20	19.5	0
20	64QAM	50	50	18.04	18.23	18.16		
20	64QAM	100	0	18.12	18.23	18.11		
20	256QAM	1	0	18.22	18.26	18.20		
20	256QAM	1	49	18.23	18.25	18.14	19.5	0
20	256QAM	1	99	18.24	18.20	18.26		
20	256QAM	50	0	18.09	18.28	18.00		
20	256QAM	50	24	17.94	18.14	18.07	19.5	0
20	256QAM	50	50	17.96	18.05	17.96		
20	256QAM	100	0	18.01	18.24	18.21		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.17	18.32	18.16		
15	QPSK	1	37	18.07	18.09	18.10	19.5	0
15	QPSK	1	74	18.09	18.27	18.10		
15	QPSK	36	0	18.10	18.22	18.11		
15	QPSK	36	20	18.07	18.22	18.13	19.5	0
15	QPSK	36	39	18.00	18.07	17.94		
15	QPSK	75	0	18.07	18.17	18.16		
15	16QAM	1	0	18.07	18.08	18.10		
15	16QAM	1	37	17.96	18.08	18.06	19.5	0
15	16QAM	1	74	18.03	18.10	18.02		
15	16QAM	36	0	17.95	18.01	18.00		
15	16QAM	36	20	18.03	18.01	17.94	19.5	0
15	16QAM	36	39	17.77	17.88	17.77		
15	16QAM	75	0	17.92	18.05	17.90		
15	64QAM	1	0	17.95	18.13	17.96		
15	64QAM	1	37	17.96	17.95	17.88	19.5	0
15	64QAM	1	74	18.06	18.01	17.93		
15	64QAM	36	0	17.96	17.97	17.91		
15	64QAM	36	20	18.11	18.19	18.03	19.5	0
15	64QAM	36	39	17.86	18.10	17.98		
15	64QAM	75	0	18.09	18.06	18.04		
15	256QAM	1	0	18.17	18.13	18.22		
15	256QAM	1	37	18.13	18.12	18.00	19.5	0
15	256QAM	1	74	18.14	18.13	18.09		
15	256QAM	36	0	18.08	18.18	17.83		
15	256QAM	36	20	17.92	17.97	17.88	19.5	0
15	256QAM	36	39	17.84	17.95	17.95		
15	256QAM	75	0	17.84	18.17	18.14		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.19	18.31	18.15		
10	QPSK	1	25	18.03	18.14	17.99	19.5	0
10	QPSK	1	49	18.01	18.22	18.08		
10	QPSK	25	0	18.12	18.21	18.12		
10	QPSK	25	12	17.95	18.25	18.08	19.5	0
10	QPSK	25	25	17.97	18.00	17.93		
10	QPSK	50	0	18.15	18.23	18.10		
10	16QAM	1	0	18.05	18.18	18.05		
10	16QAM	1	25	18.05	18.13	18.08	19.5	0
10	16QAM	1	49	17.99	18.06	18.05		
10	16QAM	25	0	17.88	18.01	17.91		
10	16QAM	25	12	17.99	17.89	18.07	19.5	0
10	16QAM	25	25	17.81	17.92	17.77		
10	16QAM	50	0	17.89	18.02	17.81		
10	64QAM	1	0	18.07	18.14	17.88		
10	64QAM	1	25	17.92	17.94	17.96	19.5	0
10	64QAM	1	49	18.00	17.93	17.96		
10	64QAM	25	0	17.89	18.02	17.96		
10	64QAM	25	12	18.15	18.13	18.03	19.5	0
10	64QAM	25	25	17.94	18.04	17.96		
10	64QAM	50	0	18.06	18.03	17.94		
10	256QAM	1	0	18.09	18.13	18.15		
10	256QAM	1	25	18.09	18.22	18.08	19.5	0
10	256QAM	1	49	18.08	18.07	18.05		
10	256QAM	25	0	18.04	18.13	17.83		
10	256QAM	25	12	17.86	18.01	17.87	19.5	0
10	256QAM	25	25	17.89	18.02	17.90		
10	256QAM	50	0	17.94	18.11	18.05		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.14	18.31	18.08		
5	QPSK	1	12	18.06	18.03	18.10	19.5	0
5	QPSK	1	24	18.07	18.27	18.06		
5	QPSK	12	0	18.08	18.20	18.15		
5	QPSK	12	7	18.02	18.18	18.01	19.5	0
5	QPSK	12	13	18.04	18.06	17.98		
5	QPSK	25	0	18.07	18.23	18.03		
5	16QAM	1	0	18.04	18.07	18.13		
5	16QAM	1	12	17.95	18.16	18.06	19.5	0
5	16QAM	1	24	17.94	18.15	17.94		
5	16QAM	12	0	17.96	18.08	17.89		
5	16QAM	12	7	17.90	17.94	18.02	19.5	0
5	16QAM	12	13	17.87	17.95	17.77		
5	16QAM	25	0	17.96	18.04	17.87		
5	64QAM	1	0	18.02	18.07	17.88		
5	64QAM	1	12	17.87	17.97	17.97	19.5	0
5	64QAM	1	24	18.00	17.97	17.89		
5	64QAM	12	0	17.86	17.97	17.89		
5	64QAM	12	7	18.07	18.14	18.05	19.5	0
5	64QAM	12	13	17.94	18.12	18.04		
5	64QAM	25	0	18.00	18.10	17.96		
5	256QAM	1	0	18.10	18.20	18.10		
5	256QAM	1	12	18.09	18.24	18.13	19.5	0
5	256QAM	1	24	18.11	18.20	18.07		
5	256QAM	12	0	18.02	18.13	17.83		
5	256QAM	12	7	17.88	17.98	17.98	19.5	0
5	256QAM	12	13	17.84	18.02	17.96		
5	256QAM	25	0	17.89	18.10	18.10		
Channel				19925	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.12	18.24	18.20		
3	QPSK	1	8	18.01	18.14	18.09	19.5	0
3	QPSK	1	14	18.11	18.19	18.12		
3	QPSK	8	0	18.13	18.27	18.17		
3	QPSK	8	4	18.07	18.14	18.01	19.5	0
3	QPSK	8	7	17.91	18.00	18.00		
3	QPSK	15	0	18.15	18.14	18.09		
3	16QAM	1	0	18.06	18.20	18.12		
3	16QAM	1	8	18.07	18.14	18.01	19.5	0
3	16QAM	1	14	18.02	18.07	18.00		
3	16QAM	8	0	17.92	18.12	17.96		
3	16QAM	8	4	18.01	17.99	18.02	19.5	0
3	16QAM	8	7	17.83	17.85	17.73		
3	16QAM	15	0	17.87	17.95	17.79		
3	64QAM	1	0	18.01	18.02	17.91		
3	64QAM	1	8	17.95	18.01	17.87	19.5	0
3	64QAM	1	14	18.07	18.00	17.94		
3	64QAM	8	0	17.93	17.97	17.87		
3	64QAM	8	4	18.14	18.18	18.05	19.5	0
3	64QAM	8	7	17.97	18.04	18.05		
3	64QAM	15	0	18.03	18.10	17.98		
3	256QAM	1	0	18.08	18.24	18.21		
3	256QAM	1	8	18.09	18.23	18.01	19.5	0
3	256QAM	1	14	18.03	18.15	18.05		
3	256QAM	8	0	18.04	18.10	17.95		
3	256QAM	8	4	17.84	17.98	17.85	19.5	0
3	256QAM	8	7	17.89	17.95	17.95		
3	256QAM	15	0	17.91	18.14	18.12		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.14	18.28	18.15		
1.4	QPSK	1	3	17.99	18.11	18.01		
1.4	QPSK	1	5	18.02	18.22	18.09	19.5	0
1.4	QPSK	3	0	18.15	18.17	18.11		
1.4	QPSK	3	1	18.07	18.20	18.12		
1.4	QPSK	3	3	17.91	18.01	18.03		
1.4	QPSK	6	0	18.10	18.12	18.09	19.5	0
1.4	16QAM	1	0	18.12	18.07	18.12		
1.4	16QAM	1	3	18.00	18.08	17.97		
1.4	16QAM	1	5	17.94	18.13	18.06	19.5	0
1.4	16QAM	3	0	17.84	18.04	17.95		
1.4	16QAM	3	1	17.92	18.00	17.93		
1.4	16QAM	3	3	17.88	17.94	17.81		
1.4	16QAM	6	0	17.86	17.97	17.87	19.5	0
1.4	64QAM	1	0	17.98	18.15	17.94		
1.4	64QAM	1	3	17.84	18.05	17.89		
1.4	64QAM	1	5	18.07	17.93	17.99	19.5	0
1.4	64QAM	3	0	17.85	18.02	17.88		
1.4	64QAM	3	1	18.15	18.24	18.07		
1.4	64QAM	3	3	17.86	18.10	17.98		
1.4	64QAM	6	0	18.03	18.11	17.99	19.5	0
1.4	256QAM	1	0	18.18	18.20	18.08		
1.4	256QAM	1	3	18.03	18.19	18.03		
1.4	256QAM	1	5	18.11	18.11	18.13	19.5	0
1.4	256QAM	3	0	17.98	18.15	17.93		
1.4	256QAM	3	1	17.85	18.01	17.88		
1.4	256QAM	3	3	17.84	18.03	17.96		
1.4	256QAM	6	0	17.92	18.13	18.05	19.5	0

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BW [MHz]	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	25.07	25.15	25.11		
10	QPSK	1	25	25.04	25.07	25.01	25.7	0
10	QPSK	1	49	24.95	25.13	25.05		
10	QPSK	25	0	24.01	24.10	24.01		
10	QPSK	25	12	23.94	24.04	23.98	24.7	1
10	QPSK	25	25	24.03	24.03	23.97		
10	QPSK	50	0	23.92	24.05	23.92		
10	16QAM	1	0	23.79	24.01	23.83		
10	16QAM	1	25	23.79	23.91	23.76	24.7	1
10	16QAM	1	49	23.81	23.87	23.72		
10	16QAM	25	0	22.98	23.06	23.08		
10	16QAM	25	12	22.97	22.99

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BW [MHz]	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	17.44	17.48	17.29		
20	QPSK	1	49	17.22	17.31	17.23	18.5	0
20	QPSK	1	99	17.27	17.46	17.32		
20	QPSK	50	0	17.33	17.41	17.23		
20	QPSK	50	24	17.20	17.28	17.19	18.5	0
20	QPSK	50	50	17.14	17.30	17.16		
20	QPSK	100	0	17.31	17.36	17.24		
20	16QAM	1	0	17.15	17.29	17.12		
20	16QAM	1	49	17.24	17.31	17.20	18.5	0
20	16QAM	1	99	17.29	17.29	17.22		
20	16QAM	50	0	17.12	17.24	17.13		
20	16QAM	50	24	17.12	17.15	17.14	18.5	0
20	16QAM	50	50	17.05	17.19	17.03		
20	16QAM	100	0	17.06	17.07	16.92		
20	64QAM	1	0	17.16	17.26	17.16		
20	64QAM	1	49	17.13	17.23	17.18	18.5	0
20	64QAM	1	99	17.18	17.23	17.12		
20	64QAM	50	0	17.11	17.29	17.17		
20	64QAM	50	24	17.29	17.28	17.28	18.5	0
20	64QAM	50	50	17.17	17.30	17.22		
20	64QAM	100	0	17.15	17.24	17.14		
20	256QAM	1	0	17.20	17.30	17.24		
20	256QAM	1	49	17.13	17.30	17.07	18.5	0
20	256QAM	1	99	17.17	17.23	17.17		
20	256QAM	50	0	17.18	17.17	17.11		
20	256QAM	50	24	17.05	17.22	16.96	18.5	0
20	256QAM	50	50	17.08	17.15	16.99		
20	256QAM	100	0	17.05	17.09	17.00		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.31	17.42	17.18		
15	QPSK	1	37	17.08	17.20	17.09	18.5	0
15	QPSK	1	74	17.20	17.30	17.20		
15	QPSK	36	0	17.21	17.31	17.14		
15	QPSK	36	20	17.12	17.14	17.12	18.5	0
15	QPSK	36	39	17.01	17.18	17.01		
15	QPSK	75	0	17.19	17.25	17.08		
15	16QAM	1	0	16.99	17.17	17.00		
15	16QAM	1	37	17.12	17.21	17.04	18.5	0
15	16QAM	1	74	17.14	17.23	17.12		
15	16QAM	36	0	17.02	17.09	17.09		
15	16QAM	36	20	17.04	17.11	16.99	18.5	0
15	16QAM	36	39	16.94	17.15	16.87		
15	16QAM	75	0	16.89	16.93	16.84		
15	64QAM	1	0	17.06	17.19	17.07		
15	64QAM	1	37	17.07	17.16	17.13	18.5	0
15	64QAM	1	74	17.04	17.11	16.98		
15	64QAM	36	0	16.96	17.15	17.12		
15	64QAM	36	20	17.25	17.15	17.16	18.5	0
15	64QAM	36	39	17.10	17.21	17.16		
15	64QAM	75	0	16.99	17.14	17.08		
15	256QAM	1	0	17.03	17.15	17.14		
15	256QAM	1	37	17.07	17.27	16.92	18.5	0
15	256QAM	1	74	17.06	17.07	17.01		
15	256QAM	36	0	17.03	17.11	17.05		
15	256QAM	36	20	17.01	17.12	16.82	18.5	0
15	256QAM	36	39	16.94	17.08	16.85		
15	256QAM	75	0	16.99	16.96	16.90		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.30	17.31	17.16		
10	QPSK	1	25	17.14	17.15	17.19	18.5	0
10	QPSK	1	49	17.19	17.34	17.15		
10	QPSK	25	0	17.29	17.30	17.09		
10	QPSK	25	12	17.05	17.21	17.14	18.5	0
10	QPSK	25	25	17.09	17.18	17.05		
10	QPSK	50	0	17.23	17.23	17.19		
10	16QAM	1	0	17.01	17.22	17.09		
10	16QAM	1	25	17.19	17.23	17.12	18.5	0
10	16QAM	1	49	17.14	17.21	17.11		
10	16QAM	25	0	16.98	17.13	17.03		
10	16QAM	25	12	16.99	17.06	16.99	18.5	0
10	16QAM	25	25	16.94	17.13	16.89		
10	16QAM	50	0	16.98	16.91	16.75		
10	64QAM	1	0	17.06	17.18	17.13		
10	64QAM	1	25	17.01	17.11	17.06	18.5	0
10	64QAM	1	49	17.02	17.08	17.04		
10	64QAM	25	0	17.00	17.18	17.07		
10	64QAM	25	12	17.24	17.13	17.22	18.5	0
10	64QAM	25	25	17.09	17.16	17.08		
10	64QAM	50	0	17.09	17.08	17.01		
10	256QAM	1	0	17.03	17.20	17.09		
10	256QAM	1	25	17.06	17.14	17.01	18.5	0
10	256QAM	1	49	17.04	17.07	17.13		
10	256QAM	25	0	17.05	17.08	17.02		
10	256QAM	25	12	16.89	17.11	16.86	18.5	0
10	256QAM	25	25	16.98	17.06	16.86		
10	256QAM	50	0	16.90	16.95	16.89		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.29	17.44	17.14		
5	QPSK	1	12	17.16	17.17	17.18	18.5	0
5	QPSK	1	24	17.12	17.29	17.24		
5	QPSK	12	0	17.17	17.26	17.09		
5	QPSK	12	7	17.05	17.19	17.03	18.5	0
5	QPSK	12	13	17.03	17.26	17.13		
5	QPSK	25	0	17.24	17.29	17.17		
5	16QAM	1	0	17.07	17.24	17.08		
5	16QAM	1	12	17.16	17.21	17.07	18.5	0
5	16QAM	1	24	17.24	17.21	17.10		
5	16QAM	12	0	17.04	17.21	17.10		
5	16QAM	12	7	17.02	16.99	17.11	18.5	0
5	16QAM	12	13	16.97	17.05	16.96		
5	16QAM	25	0	16.93	16.90	16.86		
5	64QAM	1	0	17.02	17.22	17.04		
5	64QAM	1	12	17.05	17.13	17.02	18.5	0
5	64QAM	1	24	17.07	17.08	17.02		
5	64QAM	12	0	17.07	17.20	17.11		
5	64QAM	12	7	17.14	17.22	17.21	18.5	0
5	64QAM	12	13	17.08	17.23	17.19		
5	64QAM	25	0	17.00	17.18	17.10		
5	256QAM	1	0	17.13	17.20	17.07		
5	256QAM	1	12	17.02	17.22	16.99	18.5	0
5	256QAM	1	24	17.12	17.07	17.11		
5	256QAM	12	0	17.14	17.08	17.07		
5	256QAM	12	7	16.96	17.13	16.88	18.5	0
5	256QAM	12	13	16.91	17.03	16.84		
5	256QAM	25	0	16.89	17.03	16.83		

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BW [MHz]	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	18.49	18.58	18.50		
20	QPSK	1	49	18.43	18.42	18.41	19.5	0
20	QPSK	1	99	18.49	18.55	18.37		
20	QPSK	50	0	18.40	18.57	18.48		
20	QPSK	50	24	18.25	18.46	18.30	19.5	0
20	QPSK	50	50	18.30	18.44	18.33		
20	QPSK	100	0	18.48	18.51	18.43		
20	16QAM	1	0	18.25	18.34	18.26		
20	16QAM	1	49	18.28	18.33	18.21	19.5	0
20	16QAM	1	99	18.32	18.50	18.20		
20	16QAM	50	0	18.22	18.33	18.35		
20	16QAM	50	24	18.21	18.30	18.24	19.5	0
20	16QAM	50	50	18.12	18.15	18.15		
20	16QAM	100	0	18.08	18.18	18.09		
20	64QAM	1	0	18.38	18.35	18.30		
20	64QAM	1	49	18.22	18.31	18.11	19.5	0
20	64QAM	1	99	18.29	18.35	18.25		
20	64QAM	50	0	18.23	18.32	18.29		
20	64QAM	50	24	18.42	18.36	18.35	19.5	0
20	64QAM	50	50	18.29	18.40	18.35		
20	64QAM	100	0	18.22	18.27	18.30		
20	256QAM	1	0	18.23	18.39	18.21		
20	256QAM	1	49	18.23	18.28	18.21	19.5	0
20	256QAM	1	99	18.27	18.28	18.25		
20	256QAM	50	0	18.26	18.33	18.17		
20	256QAM	50	24	18.14	18.23	18.04	19.5	0
20	256QAM	50	50	18.11	18.32	18.15		
20	256QAM	100	0	18.06	18.22	18.19		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.33	18.53	18.40		
15	QPSK	1	37	18.36	18.34	18.41	19.5	0
15	QPSK	1	74	18.30	18.49	18.23		
15	QPSK	36	0	18.32	18.45	18.22		
15	QPSK	36	20	18.24	18.30	18.32	19.5	0
15	QPSK	36	39	18.10	18.36	18.17		
15	QPSK	75	0	18.29	18.32	18.37		
15	16QAM	1	0	18.12	18.34	18.19		
15	16QAM	1	37	18.24	18.26	18.17	19.5	0
15	16QAM	1	74	18.30	18.35	18.13		
15	16QAM	36	0	18.13	18.19	18.26		
15	16QAM	36	20	18.05	18.19	18.02	19.5	0
15	16QAM	36	39	18.12	18.14	18.12		
15	16QAM	75	0	17.97	18.19	18.10		
15	64QAM	1	0	18.31	18.16	18.17		
15	64QAM	1	37	18.10	18.20	18.06	19.5	0
15	64QAM	1	74	18.19	18.22	18.17		
15	64QAM	36	0	18.18	18.20	18.17		
15	64QAM	36	20	18.28	18.26	18.32	19.5	0
15	64QAM	36	39	18.21	18.27	18.27		
15	64QAM	75	0	18.16	18.23	18.15		
15	256QAM	1	0	18.10	18.25	18.12		
15	256QAM	1	37	18.12	18.13	18.21	19.5	0
15	256QAM	1	74	18.20	18.24	18.16		
15	256QAM	36	0	18.15	18.13	18.07		
15	256QAM	36	20	18.14	18.26	17.99	19.5	0
15	256QAM	36	39	17.98	18.08	18.09		
15	256QAM	75	0	18.04	18.19	18.04		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.30	18.46	18.48		
10	QPSK	1	25	18.26	18.46	18.30	19.5	0
10	QPSK	1	49	18.34	18.39	18.25		
10	QPSK	25	0	18.20	18.46	18.18		
10	QPSK	25	12	18.22	18.35	18.33	19.5	0
10	QPSK	25	25	18.15	18.31	18.20		
10	QPSK	50	0	18.38	18.43	18.35		
10	16QAM	1	0	18.16	18.34	18.16		
10	16QAM	1	25	18.11	18.23	18.19	19.5	0
10	16QAM	1	49	18.26	18.31	18.15		
10	16QAM	25	0	18.16	18.16	18.16		
10	16QAM	25	12	18.12	18.21	18.06	19.5	0
10	16QAM	25	25	18.04	18.08	18.08		
10	16QAM	50	0	18.02	18.14	18.01		
10	64QAM	1	0	18.26	18.21	18.26		
10	64QAM	1	25	18.20	18.31	18.10	19.5	0
10	64QAM	1	49	18.18	18.20	18.16		
10	64QAM	25	0	18.07	18.25	18.16		
10	64QAM	25	12	18.36	18.37	18.31	19.5	0
10	64QAM	25	25	18.15	18.33	18.15		
10	64QAM	50	0	18.23	18.21	18.12		
10	256QAM	1	0	18.15	18.25	18.06		
10	256QAM	1	25	18.16	18.11	18.12	19.5	0
10	256QAM	1	49	18.12	18.18	18.03		
10	256QAM	25	0	18.22	18.20	18.06		
10	256QAM	25	12	18.13	18.18	17.96	19.5	0
10	256QAM	25	25	17.99	18.20	18.09		
10	256QAM	50	0	18.07	18.24	18.04		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.38	18.46	18.48		
5	QPSK	1	12	18.25	18.35	18.35	19.5	0
5	QPSK	1	24	18.36	18.44	18.29		
5	QPSK	12	0	18.28	18.49	18.18		
5	QPSK	12	7	18.20	18.30	18.22	19.5	0
5	QPSK	12	13	18.12	18.34	18.21		
5	QPSK	25	0	18.35	18.36	18.31		
5	16QAM	1	0	18.16	18.26	18.25		
5	16QAM	1	12	18.23	18.21	18.15	19.5	0
5	16QAM	1	24	18.20	18.29	18.18		
5	16QAM	12	0	18.07	18.21	18.21		
5	16QAM	12	7	18.11	18.12	18.11	19.5	0
5	16QAM	12	13	18.08	18.14	18.11		
5	16QAM	25	0	18.06	18.12	18.04		
5	64QAM	1	0	18.22	18.17	18.17		
5	64QAM	1	12	18.19	18.28	18.07	19.5	0
5	64QAM	1	24	18.21	18.23	18.20		
5	64QAM	12	0	18.08	18.26	18.21		
5	64QAM	12	7	18.25	18.28	18.31	19.5	0
5	64QAM	12	13	18.23	18.27	18.14		
5	64QAM	25	0	18.24	18.16	18.22		
5	256QAM	1	0	18.13	18.30	18.14		
5	256QAM	1	12	18.13	18.25	18.10	19.5	0
5	256QAM	1	24	18.21	18.23	18.07		
5	256QAM	12	0	18.28	18.25	18.10		
5	256QAM	12	7	18.10	18.16	17.99	19.5	0
5	256QAM	12	13	17.99	18.20	18.12		
5	256QAM	25	0	18.03	18.19	18.01		
Channel				131982	132322	132662	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.32	18.52	18.36		
3	QPSK	1	8	18.27	18.38	18.40	19.5	0
3	QPSK	1	14	18.37	18.43	18.35		
3	QPSK	8	0	18.25	18.51	18.21		
3	QPSK	8	4	18.22	18.31	18.22	19.5	0
3	QPSK	8	7	18.17	18.31	18.25		
3	QPSK	15	0	18.35	18.35	18.29		
3	16QAM	1	0	18.18	18.34	18.18		
3	16QAM	1	8	18.14	18.21	18.19	19.5	0
3	16QAM	1	14	18.27	18.40	18.23		
3	16QAM	8	0	18.12	18.17	18.18		
3	16QAM	8	4	18.04	18.17	18.08	19.5	0
3	16QAM	8	7	18.08	18.10	18.13		
3	16QAM	15	0	18.02	18.10	18.08		
3	64QAM	1	0	18.31	18.21	18.14		
3	64QAM	1	8	18.14	18.29	18.06	19.5	0
3	64QAM	1	14	18.24	18.27	18.17		
3	64QAM	8	0	18.13	18.21	18.20		
3	64QAM	8	4	18.37	18.26	18.22	19.5	0
3	64QAM	8	7	18.29	18.28	18.26		
3	64QAM	15	0	18.11	18.14	18.19		
3	256QAM	1	0	18.11	18.26	18.14		
3	256QAM	1	8	18.20	18.21	18.16	19.5	0
3	256QAM	1	14	18.23	18.22	18.14		
3	256QAM	8	0	18.19	18.22	18.09		
3	256QAM	8	4	18.07	18.23	17.94	19.5	0
3	256QAM	8	7	18.06	18.19	18.08		
3	256QAM	15	0	17.94	18.13	18.08		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.39	18.54	18.42		
1.4	QPSK	1	3	18.31	18.46	18.39		
1.4	QPSK	1	5	18.31	18.48	18.29	19.5	0
1.4	QPSK	3	0	18.21	18.47	18.19		
1.4	QPSK	3	1	18.22	18.42	18.23		
1.4	QPSK	3	3	18.23	18.37	18.23		
1.4	QPSK	6	0	18.29	18.30	18.30	19.5	0
1.4	16QAM	1	0	18.20	18.31	18.20		
1.4	16QAM	1	3	18.15	18.20	18.16		
1.4	16QAM	1	5	18.25	18.33	18.17	19.5	0
1.4	16QAM	3	0	18.17	18.18	18.23		
1.4	16QAM	3	1	18.14	18.08	18.08		
1.4	16QAM	3	3	18.06	18.06	18.11		
1.4	16QAM	6	0	18.05	18.20	18.01	19.5	0
1.4	64QAM	1	0	18.34	18.29	18.16		
1.4	64QAM	1	3	18.11	18.28	18.04		
1.4	64QAM	1	5	18.19	18.24	18.27	19.5	0
1.4	64QAM	3	0	18.09	18.25	18.16		
1.4	64QAM	3	1	18.25	18.27	18.33		
1.4	64QAM	3	3	18.17	18.35	18.16		
1.4	64QAM	6	0	18.15	18.24	18.17	19.5	0
1.4	256QAM	1	0	18.17	18.27	18.11		
1.4	256QAM	1	3	18.15	18.22	18.16		
1.4	256QAM	1	5	18.20	18.26	18.07	19.5	0
1.4	256QAM	3	0	18.23	18.25	18.12		
1.4	256QAM	3	1	18.04	18.13	17.97		
1.4	256QAM	3	3	18.06	18.21	18.02		
1.4	256QAM	6	0	18.05	18.12	18.04	19.5	0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.85	19.94	19.88	20.5	0
20	QPSK	1	49	19.73	19.87	19.77		
20	QPSK	1	99	19.72	19.90	19.79		
20	QPSK	50	0	19.77	19.91	19.70	20.5	0
20	QPSK	50	24	19.63	19.78	19.74		
20	QPSK	50	50	19.64	19.78	19.70		
20	QPSK	100	0	19.70	19.86	19.72		
20	16QAM	1	0	19.69	19.83	19.72	20.5	0
20	16QAM	1	49	19.67	19.80	19.66		
20	16QAM	1	99	19.71	19.77	19.77		
20	16QAM	50	0	19.70	19.68	19.68	20.5	0
20	16QAM	50	24	19.64	19.67	19.63		
20	16QAM	50	50	19.56	19.72	19.56		
20	16QAM	100	0	19.58	19.56	19.52		
20	64QAM	1	0	19.74	19.83	19.64	20.5	0
20	64QAM	1	49	19.64	19.69	19.59		
20	64QAM	1	99	19.68	19.74	19.68		
20	64QAM	50	0	19.63	19.68	19.64	20.5	0
20	64QAM	50	24	19.83	19.83	19.75		
20	64QAM	50	50	19.60	19.82	19.77		
20	64QAM	100	0	19.61	19.72	19.62		
20	256QAM	1	0	19.74	19.87	19.83	20.5	0
20	256QAM	1	49	19.78	19.69	19.67		
20	256QAM	1	99	19.77	19.83	19.76		
20	256QAM	50	0	19.63	19.66	19.61	20.5	0
20	256QAM	50	24	19.56	19.63	19.62		
20	256QAM	50	50	19.46	19.64	19.56		
20	256QAM	100	0	19.57	19.70	19.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.81	19.88	19.79	20.5	0
15	QPSK	1	37	19.58	19.78	19.68		
15	QPSK	1	74	19.67	19.76	19.71		
15	QPSK	36	0	19.72	19.77	19.60	20.5	0
15	QPSK	36	20	19.57	19.75	19.63		
15	QPSK	36	39	19.59	19.70	19.54		
15	QPSK	75	0	19.66	19.77	19.64		
15	16QAM	1	0	19.53	19.80	19.56	20.5	0
15	16QAM	1	37	19.53	19.63	19.57		
15	16QAM	1	74	19.66	19.63	19.69		
15	16QAM	36	0	19.60	19.53	19.63	20.5	0
15	16QAM	36	20	19.60	19.55	19.53		
15	16QAM	36	39	19.41	19.66	19.48		
15	16QAM	75	0	19.48	19.46	19.42		
15	64QAM	1	0	19.66	19.73	19.49	20.5	0
15	64QAM	1	37	19.56	19.54	19.50		
15	64QAM	1	74	19.52	19.69	19.52		
15	64QAM	36	0	19.57	19.57	19.56	20.5	0
15	64QAM	36	20	19.69	19.74	19.61		
15	64QAM	36	39	19.47	19.71	19.69		
15	64QAM	75	0	19.45	19.58	19.57		
15	256QAM	1	0	19.70	19.74	19.79	20.5	0
15	256QAM	1	37	19.72	19.63	19.58		
15	256QAM	1	74	19.72	19.70	19.62		
15	256QAM	36	0	19.48	19.55	19.52	20.5	0
15	256QAM	36	20	19.49	19.54	19.55		
15	256QAM	36	39	19.37	19.58	19.50		
15	256QAM	75	0	19.46	19.66	19.56		
Channel				37900	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.70	19.82	19.76	20.5	0
10	QPSK	1	25	19.70	19.81	19.70		
10	QPSK	1	49	19.63	19.80	19.65		
10	QPSK	25	0	19.66	19.88	19.54	20.5	0
10	QPSK	25	12	19.47	19.67	19.64		
10	QPSK	25	25	19.48	19.68	19.58		
10	QPSK	50	0	19.60	19.81	19.65		
10	16QAM	1	0	19.65	19.76	19.66	20.5	0
10	16QAM	1	25	19.58	19.77	19.53		
10	16QAM	1	49	19.62	19.64	19.73		
10	16QAM	25	0	19.66	19.54	19.59	20.5	0
10	16QAM	25	12	19.60	19.61	19.50		
10	16QAM	25	25	19.45	19.59	19.52		
10	16QAM	50	0	19.43	19.49	19.37		
10	64QAM	1	0	19.62	19.79	19.51	20.5	0
10	64QAM	1	25	19.58	19.55	19.43		
10	64QAM	1	49	19.58	19.57	19.56		
10	64QAM	25	0	19.53	19.55	19.55	20.5	0
10	64QAM	25	12	19.80	19.75	19.63		
10	64QAM	25	25	19.46	19.66	19.69		
10	64QAM	50	0	19.55	19.59	19.50		
10	256QAM	1	0	19.68	19.81	19.71	20.5	0
10	256QAM	1	25	19.66	19.56	19.55		
10	256QAM	1	49	19.68	19.73	19.66		
10	256QAM	25	0	19.60	19.60	19.58	20.5	0
10	256QAM	25	12	19.42	19.56	19.54		
10	256QAM	25	25	19.34	19.59	19.45		
10	256QAM	50	0	19.44	19.64	19.56		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.82	19.84	19.74	20.5	0
5	QPSK	1	12	19.58	19.84	19.62		
5	QPSK	1	24	19.57	19.84	19.66		
5	QPSK	12	0	19.65	19.82	19.67	20.5	0
5	QPSK	12	7	19.51	19.74	19.65		
5	QPSK	12	13	19.54	19.67	19.54		
5	QPSK	25	0	19.58	19.73	19.57		
5	16QAM	1	0	19.64	19.74	19.65	20.5	0
5	16QAM	1	12	19.51	19.77	19.57		
5	16QAM	1	24	19.54	19.62	19.70		
5	16QAM	12	0	19.58	19.64	19.62	20.5	0
5	16QAM	12	7	19.56	19.63	19.56		
5	16QAM	12	13	19.52	19.59	19.42		
5	16QAM	25	0	19.42	19.40	19.35		
5	64QAM	1	0	19.63	19.79	19.61	20.5	0
5	64QAM	1	12	19.60	19.56	19.46		
5	64QAM	1	24	19.59	19.65	19.53		
5	64QAM	12	0	19.57	19.55	19.57	20.5	0
5	64QAM	12	7	19.71	19.72	19.70		
5	64QAM	12	13	19.46	19.72	19.63		
5	64QAM	25	0	19.50	19.57	19.57		
5	256QAM	1	0	19.62	19.83	19.77	20.5	0
5	256QAM	1	12	19.64	19.56	19.58		
5	256QAM	1	24	19.69	19.70	19.68		
5	256QAM	12	0	19.57	19.56	19.48	20.5	0
5	256QAM	12	7	19.47	19.48	19.50		
5	256QAM	12	13	19.42	19.49	19.44		
5	256QAM	25	0	19.49	19.62	19.54		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2508	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.40	20.43	20.49	20.37	20.35	20.7	0
20	QPSK	1	49	20.27	20.34	20.33	20.27	20.32		
20	QPSK	1	99	20.30	20.22	20.35	20.35	20.26		
20	QPSK	50	0	20.21	20.33	20.44	20.18	20.27	20.7	0
20	QPSK	50	24	20.23	20.20	20.30	20.16	20.13		
20	QPSK	50	50	20.12	20.09	20.32	20.25	20.12		
20	QPSK	100	0	20.32	20.26	20.38	20.21	20.30		
20	16QAM	1	0	20.22	20.19	20.27	20.20	20.16	20.7	0
20	16QAM	1	49	20.27	20.24	20.23	20.20	20.29		
20	16QAM	1	99	20.21	20.23	20.37	20.23	20.17		
20	16QAM	50	0	20.13	20.17	20.19	20.24	20.11	20.7	0
20	16QAM	50	24	20.12	20.16	20.17	20.09	20.12		
20	16QAM	50	50	20.01	20.11	20.08	20.08	20.04		
20	16QAM	100	0	20.06	20.10	20.09	19.98	20.08		
20	64QAM	1	0	20.20	20.25	20.23	20.12	20.18	20.7	0
20	64QAM	1	49	20.09	20.21	20.18	20.07	20.18		
20	64QAM	1	99	20.17	20.18	20.24	20.23	20.25		
20	64QAM	50	0	20.07	20.13	20.17	20.06	20.14	20.7	0
20	64QAM	50	24	20.21	20.30	20.40	20.27	20.22		
20	64QAM	50	50	20.15	20.17	20.26	20.17	20.10		
20	64QAM	100	0	20.18	20.16	20.14	20.10	20.07		
20	256QAM	1	0	20.30	20.27	20.34	20.23	20.32	20.7	0
20	256QAM	1	49	20.10	20.28	20.25	20.15	20.14		
20	256QAM	1	99	20.29	20.19	20.32	20.25	20.18		
20	256QAM	50	0	20.11	20.10	20.16	20.10	20.07	20.7	0
20	256QAM	50	24	20.01	20.03	20.15	20.05	20.00		
20	256QAM	50	50	20.06	19.96	20.10	20.10	19.99		
20	256QAM	100	0	20.08	20.12	20.16	20.18	20.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.29	20.29	20.44	20.23	20.27	21	0
15	QPSK	1	37	20.16	20.26	20.25	20.23	20.22		
15	QPSK	1	74	20.22	20.19	20.29	20.31	20.16		
15	QPSK	36	0	20.08	20.24	20.37	20.01	20.23	20.7	0
15	QPSK	36	20	20.14	20.10	20.19	20.01	20.02		
15	QPSK	36	39	19.96	19.93	20.23	20.11	20.02		
15	QPSK	75	0	20.28	20.14	20.32	20.04	20.17		
15	16QAM	1	0	20.05	20.05	20.11	20.07	20.01	20.7	0
15	16QAM	1	37	20.21	20.07	20.11	20.09	20.14		
15	16QAM	1	74	20.15	20.11	20.28	20.20	20.04		
15	16QAM	36	0	19.99	20.08	20.06	20.16	19.98	20.7	0
15	16QAM	36	20	20.01	20.07	20.12	20.04	20.04		
15	16QAM	36	39	19.97	20.07	19.92	20.05	19.93		
15	16QAM	75	0	19.97	19.97	20.06	19.87	19.91		
15	64QAM	1	0	20.14	20.12	20.10	19.99	20.09	20.7	0
15	64QAM	1	37	20.04	20.07	20.09	20.03	20.11		
15	64QAM	1	74	20.08	20.15	20.20	20.15	20.21		
15	64QAM	36	0	20.04	20.10	20.04	19.94	20.03	20.7	0
15	64QAM	36	20	20.06	20.22	20.31	20.21	20.14		
15	64QAM	36	39	19.99	20.04	20.19	20.02	20.03		
15	64QAM	75	0	20.09	20.01	20.01	19.93	19.90		
15	256QAM	1	0	20.22	20.15	20.24	20.16	20.22	20.7	0
15	256QAM	1	37	20.05	20.13	20.10	20.09	20.10		
15	256QAM	1	74	20.23	20.09	20.19	20.11	20.04		
15	256QAM	36	0	20.06	19.96	20.09	19.96	20.04	20.7	0
15	256QAM	36	20	19.87	19.98	20.06	19.98	19.96		
15	256QAM	36	39	19.96	19.90	20.03	20.01	19.90		
15	256QAM	75	0	19.99	19.99	20.03	20.04	20.00		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.28	20.36	20.38	20.31	20.22	21	0
10	QPSK	1	25	20.10	20.25	20.20	20.23	20.23		
10	QPSK	1	49	20.16	20.19	20.18	20.23	20.21		
10	QPSK	25	0	20.11	20.17	20.37	20.06	20.19	20.7	0
10	QPSK	25	12	20.18	20.09	20.13	20.11	20.03		
10	QPSK	25	25	19.98	20.00	20.19	20.11	20.06		
10	QPSK	50	0	20.22	20.22	20.35	20.05	20.15		
10	16QAM	1	0	20.19	20.08	20.19	20.11	20.04	20.7	0
10	16QAM	1	25	20.16	20.08	20.14	20.11	20.18		
10	16QAM	1	49	20.10	20.16	20.24	20.11	20.02		
10	16QAM	25	0	19.96	20.06	20.12	20.09	20.03	20.7	0
10	16QAM	25	12	19.95	20.00	20.12	19.97	20.02		
10	16QAM	25	25	19.92	20.02	20.04	20.02	19.89		
10	16QAM	50	0	19.98	20.06	19.94	19.90	19.99		
10	64QAM	1	0	20.08	20.14	20.11	20.00	20.11	20.7	0
10	64QAM	1	25	19.96	20.12	20.07	20.01	20.13		
10	64QAM	1	49	20.09	20.12	20.19	20.15	20.16		
10	64QAM	25	0	20.00	20.07	20.12	19.89	20.02	20.7	0
10	64QAM	25	12	20.16	20.19	20.25	20.12	20.10		
10	64QAM	25	25	20.10	20.08	20.23	20.08	20.05		
10	64QAM	50	0	20.07	20.02	20.07	20.03	20.02		
10	256QAM	1	0	20.17	20.14	20.26	20.13	20.24	20.7	0
10	256QAM	1	25	20.02	20.16	20.21	20.06	20.07		
10	256QAM	1	49	20.21	20.07	20.22	20.18	20.05		
10	256QAM	25	0	19.99	19.96	20.07	19.97	19.97	20.7	0
10	256QAM	25	12	19.93	19.96	20.01	19.99	19.90		
10	256QAM	25	25	19.93	19.82	20.00	20.05	19.86		
10	256QAM	50	0	19.94	20.06	20.04	20.13	20.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.26	20.36	20.40	20.21	20.21	21	0
5	QPSK	1	12	20.17	20.18	20.21	20.23	20.24		
5	QPSK	1	24	20.14	20.06	20.22	20.23	20.13		
5	QPSK	12	0	20.13	20.25	20.30	20.10	20.17	20.7	0
5	QPSK	12	7	20.16	20.13	20.17	20.08	19.96		
5	QPSK	12	13	19.98	19.98	20.19	20.08	20.08		
5	QPSK	25	0	20.24	20.17	20.23	20.10	20.18		
5	16QAM	1	0	20.11	20.15	20.22	20.10	20.03	20.7	0
5	16QAM	1	12	20.15	20.16	20.15	20.09	20.24		
5	16QAM	1	24	20.05	20.10	20.27	20.14	20.07		
5	16QAM	12	0	19.98	20.01	20.12	20.14	19.95	20.7	0
5	16QAM	12	7	19.99	20.12	20.03	19.97	19.97		
5	16QAM	12	13	19.97	19.97	19.99	19.92	19.93		
5	16QAM	25	0	19.98	19.99	19.97	19.88	20.03		
5	64QAM	1	0	20.08	20.13	20.07	19.97	20.14	20.7	0
5	64QAM	1	12	19.92	20.16	20.09	20.01	20.02		
5	64QAM	1	24	20.06	20.13	20.13	20.12	20.09		
5	64QAM	12	0	20.00	20.10	20.03	19.90	19.97	20.7	0
5	64QAM	12	7	20.15	20.18	20.26	20.13	20.11		
5	64QAM	12	13	20.03	20.05	20.22	20.03	19.95		
5	64QAM	25	0	20.08	20.08	20.07	19.95	19.98		
5	256QAM	1	0	20.25	20.18	20.20	20.11	20.17	20.7	0
5	256QAM	1	12	20.02	20.14	20.21	20.02	20.03		
5	256QAM	1	24	20.22	20.04	20.27	20.21	20.07		
5	256QAM	12	0	19.97	20.05	20.04	20.06	20.02	20.7	0
5	256QAM	12	7	19.88	19.91	20.07	19.91	19.93		
5	256QAM	12	13	19.93	19.84	19.95	19.97	19.85		
5	256QAM	25	0	19.95	20.03	20.05	20.13	19.98		

GSM1900 Ant2 EC1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.03	30.15	30.12	31.00	21.03	21.15	21.12	22.00
GPRS 1 Tx slot	30.06	30.16	30.14	31.00	21.06	21.16	21.14	22.00
GPRS 2 Tx slots	27.06	27.21	27.14	28.00	21.06	21.21	21.14	22.00
GPRS 3 Tx slots	25.35	25.46	25.37	26.00	21.09	21.20	21.11	21.74
GPRS 4 Tx slots	23.99	24.12	24.04	25.00	20.99	21.12	21.04	22.00
EDGE 1 Tx slot	26.42	26.50	26.38	27.00	17.42	17.50	17.38	18.00
EDGE 2 Tx slots	23.57	23.65	23.57	24.00	17.57	17.65	17.57	18.00
EDGE 3 Tx slots	21.46	21.51	21.36	22.00	17.20	17.25	17.10	17.74
EDGE 4 Tx slots	21.67	21.79	21.76	22.00	18.67	18.79	18.76	19.00

		WCDMA II Ant2 EC1				WCDMA IV Ant2 EC1			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.38	24.45	24.41	25.00	23.87	23.96	23.92	25.00
3GPP Rel 99	RMC 12.2Kbps	24.42	24.49	24.46	25.00	23.91	23.98	23.94	25.00
3GPP Rel 6	HSDPA Subtest-1	23.44	23.45	23.47	24.00	22.96	22.95	22.99	24.00
3GPP Rel 6	HSDPA Subtest-2	23.34	23.44	23.38	24.00	22.94	22.95	22.90	24.00
3GPP Rel 6	HSDPA Subtest-3	22.89	23.01	22.97	23.50	22.38	22.53	22.45	23.50
3GPP Rel 6	HSDPA Subtest-4	22.78	22.97	22.92	23.50	22.30	22.46	22.42	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.34	23.43	23.46	24.00	22.87	22.98	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.25	23.34	23.34	24.00	22.80	22.93	22.86	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.84	22.99	22.86	23.50	22.25	22.43	22.31	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.77	22.92	22.86	23.50	22.18	22.31	22.40	23.50
3GPP Rel 6	HSUPA Subtest-1	23.26	23.31	23.28	24.00	22.77	22.83	22.82	24.00
3GPP Rel 6	HSUPA Subtest-2	21.34	21.46	21.35	22.00	20.94	20.97	20.93	22.00
3GPP Rel 6	HSUPA Subtest-3	22.45	22.48	22.53	23.00	21.94	21.99	22.02	23.00
3GPP Rel 6	HSUPA Subtest-4	21.28	21.42	21.37	22.00	20.81	20.91	20.79	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.46	23.37	24.00	22.75	22.91	22.79	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.97	21.04	21.02	21.50	20.37	20.56	20.46	21.50

Band 4 Ant2 ECI1

BW [MHz]	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	24.84	24.88	24.77	25.7	0
20	QPSK	1	49	24.71	24.80	24.75		
20	QPSK	1	99	24.68	24.86	24.79		
20	QPSK	50	0	23.80	23.82	23.76	24.7	1
20	QPSK	50	24	23.62	23.78	23.69		
20	QPSK	50	50	23.65	23.75	23.67		
20	QPSK	100	0	23.71	23.79	23.60		
20	16QAM	1	0	23.46	23.68	23.51	24.7	1
20	16QAM	1	49	23.51	23.56	23.51		
20	16QAM	1	99	23.51	23.60	23.41		
20	16QAM	50	0	22.63	22.79	22.70	23.7	2
20	16QAM	50	24	22.64	22.71	22.54		
20	16QAM	50	50	22.64	22.73	22.66		
20	16QAM	100	0	22.69	22.72	22.70		
20	64QAM	1	0	22.54	22.70	22.47	23.7	2
20	64QAM	1	49	22.48	22.65	22.62		
20	64QAM	1	99	22.59	22.68	22.55		
20	64QAM	50	0	21.65	21.79	21.77	22.7	3
20	64QAM	50	24	21.53	21.70	21.60		
20	64QAM	50	50	21.69	21.70	21.60		
20	64QAM	100	0	21.62	21.73	21.66		
20	256QAM	1	0	19.86	19.89	19.78	20.7	5
20	256QAM	1	49	19.72	19.75	19.79		
20	256QAM	1	99	19.74	19.93	19.82		
20	256QAM	50	0	19.73	19.82	19.60	20.7	5
20	256QAM	50	24	19.62	19.76	19.68		
20	256QAM	50	50	19.62	19.73	19.65		
20	256QAM	100	0	19.68	19.71	19.67		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.80	24.83	24.66	25.7	0
15	QPSK	1	37	24.61	24.72	24.69		
15	QPSK	1	74	24.60	24.81	24.66		
15	QPSK	36	0	23.72	23.68	23.64	24.7	1
15	QPSK	36	20	23.49	23.69	23.61		
15	QPSK	36	39	23.58	23.71	23.55		
15	QPSK	75	0	23.64	23.68	23.50		
15	16QAM	1	0	23.40	23.63	23.40	24.7	1
15	16QAM	1	37	23.40	23.42	23.37		
15	16QAM	1	74	23.43	23.52	23.36		
15	16QAM	36	0	22.59	22.65	22.60	23.7	2
15	16QAM	36	20	22.59	22.66	22.43		
15	16QAM	36	39	22.58	22.62	22.63		
15	16QAM	75	0	22.59	22.62	22.66		
15	64QAM	1	0	22.48	22.61	22.43	23.7	2
15	64QAM	1	37	22.38	22.61	22.52		
15	64QAM	1	74	22.51	22.59	22.42		
15	64QAM	36	0	21.54	21.73	21.70	22.7	3
15	64QAM	36	20	21.47	21.57	21.46		
15	64QAM	36	39	21.66	21.62	21.45		
15	64QAM	75	0	21.51	21.68	21.58		
15	256QAM	1	0	19.80	19.85	19.63	20.7	5
15	256QAM	1	37	19.63	19.61	19.71		
15	256QAM	1	74	19.67	19.87	19.69		
15	256QAM	36	0	19.66	19.73	19.45	20.7	5
15	256QAM	36	20	19.48	19.68	19.60		
15	256QAM	36	39	19.50	19.61	19.55		
15	256QAM	75	0	19.64	19.61	19.53		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.78	24.80	24.73	25.7	0
10	QPSK	1	25	24.58	24.68	24.69		
10	QPSK	1	49	24.64	24.78	24.75		
10	QPSK	25	0	23.70	23.78	23.71	24.7	1
10	QPSK	25	12	23.55	23.71	23.65		
10	QPSK	25	25	23.52	23.67	23.58		
10	QPSK	50	0	23.66	23.73	23.49		
10	16QAM	1	0	23.38	23.63	23.48	24.7	1
10	16QAM	1	25	23.44	23.46	23.37		
10	16QAM	1	49	23.39	23.54	23.36		
10	16QAM	25	0	22.58	22.76	22.64	23.7	2
10	16QAM	25	12	22.55	22.65	22.42		
10	16QAM	25	25	22.56	22.60	22.55		
10	16QAM	50	0	22.66	22.68	22.65		
10	64QAM	1	0	22.44	22.65	22.33	23.7	2
10	64QAM	1	25	22.41	22.54	22.55		
10	64QAM	1	49	22.46	22.62	22.40		
10	64QAM	25	0	21.56	21.72	21.72	22.7	3
10	64QAM	25	12	21.50	21.63	21.50		
10	64QAM	25	25	21.59	21.58	21.50		
10	64QAM	50	0	21.51	21.61	21.56		
10	256QAM	1	0	19.78	19.83	19.66	20.7	5
10	256QAM	1	25	19.58	19.67	19.67		
10	256QAM	1	49	19.65	19.81	19.78		
10	256QAM	25	0	19.68	19.70	19.49	20.7	5
10	256QAM	25	12	19.55	19.67	19.56		
10	256QAM	25	25	19.59	19.66	19.58		
10	256QAM	50	0	19.62	19.57	19.62		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.74	24.85	24.73	25.7	0
5	QPSK	1	12	24.66	24.74	24.70		
5	QPSK	1	24	24.59	24.77	24.68		
5	QPSK	12	0	23.71	23.71	23.67	24.7	1
5	QPSK	12	7	23.54	23.68	23.59		
5	QPSK	12	13	23.61	23.60	23.54		
5	QPSK	25	0	23.62	23.73	23.49		
5	16QAM	1	0	23.36	23.55	23.45	24.7	1
5	16QAM	1	12	23.40	23.46	23.37		
5	16QAM	1	24	23.43	23.56	23.26		
5	16QAM	12	0	22.51	22.67	22.64	23.7	2
5	16QAM	12	7	22.59	22.64	22.49		
5	16QAM	12	13	22.58	22.65	22.56		
5	16QAM	25	0	22.63	22.57	22.64		
5	64QAM	1	0	22.44	22.66	22.32	23.7	2
5	64QAM	1	12	22.42	22.58	22.56		
5	64QAM	1	24	22.46	22.62	22.48		
5	64QAM	12	0	21.59	21.67	21.65	22.7	3
5	64QAM	12	7	21.43	21.64	21.52		
5	64QAM	12	13	21.54	21.59	21.53		
5	64QAM	25	0	21.50	21.60	21.62		
5	256QAM	1	0	19.79	19.81	19.74	20.7	5
5	256QAM	1	12	19.59	19.64	19.75		
5	256QAM	1	24	19.61	19.87	19.70		
5	256QAM	12	0	19.61	19.73	19.57	20.7	5
5	256QAM	12	7	19.48	19.70	19.61		
5	256QAM	12	13	19.58	19.67	19.59		
5	256QAM	25	0	19.62	19.66	19.63		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.78	24.80	24.70	25.7	0
3	QPSK	1	8	24.60	24.70	24.63		
3	QPSK	1	14	24.64	24.82	24.67		
3	QPSK	8	0	23.65	23.73	23.70	24.7	1
3	QPSK	8	4	23.50	23.69	23.61		
3	QPSK	8	7	23.61	23.62	23.62		
3	QPSK	15	0	23.67	23.65	23.54		
3	16QAM	1	0	23.42	23.59	23.37	24.7	1
3	16QAM	1	8	23.45	23.48	23.40		
3	16QAM	1	14	23.41	23.45	23.28		
3	16QAM	8	0	22.58	22.69	22.56	23.7	2
3	16QAM	8	4	22.60	22.60	22.48		
3	16QAM	8	7	22.55	22.64	22.58		
3	16QAM	15	0	22.64	22.68	22.63		
3	64QAM	1	0	22.47	22.56	22.33	23.7	2
3	64QAM	1	8	22.43	22.56	22.59		
3	64QAM	1	14	22.56	22.58	22.40		
3	64QAM	8	0	21.52	21.67	21.71	22.7	3
3	64QAM	8	4	21.40	21.60	21.50		
3	64QAM	8	7	21.57	21.60	21.57		
3	64QAM	15	0	21.53	21.59	21.60		
3	256QAM	1	0	19.80	19.86	19.71	20.7	5
3	256QAM	1	8	19.58	19.67	19.68		
3	256QAM	1	14	19.69	19.87	19.67		
3	256QAM	8	0	19.58	19.74	19.45	20.7	5
3	256QAM	8	4	19.51	19.69	19.54		
3	256QAM	8	7	19.48	19.61	19.54		
3	256QAM	15	0	19.61	19.61	19.59		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.81	24.84	24.62	25.7	0
1.4	QPSK	1	3	24.62	24.73	24.61		
1.4	QPSK	1	5	24.58	24.82	24.75		
1.4	QPSK	3	0	24.76	24.77	24.74		
1.4	QPSK	3	1	24.68	24.69	24.62		
1.4	QPSK	3	3	24.63	24.81	24.74		
1.4	QPSK	6	0	23.72	23.75	23.66	24.7	1
1.4	16QAM	1	0	23.48	23.70	23.56	24.7	1
1.4	16QAM	1	3	23.60	23.70	23.53		
1.4	16QAM	1	5	23.64	23.73	23.47		
1.4	16QAM	3	0	23.42	23.56	23.41		
1.4	16QAM	3	1	23.39	23.49	23.41		
1.4	16QAM	3	3	23.45	23.48	23.30		
1.4	16QAM	6	0	22.57	22.69	22.58	23.7	2
1.4	64QAM	1	0	22.56	22.60	22.49	23.7	2
1.4	64QAM	1	3	22.51	22.69	22.58		
1.4	64QAM	1	5	22.65	22.68	22.60		
1.4	64QAM	3	0	22.51	22.58	22.41		
1.4	64QAM	3	1	22.43	22.60	22.58		
1.4	64QAM	3	3	22.47	22.61	22.46		
1.4	64QAM	6	0	21.61	21.73	21.69	22.7	3
1.4	256QAM	1	0	19.71	19.84	19.67	20.7	5
1.4	256QAM	1	3	19.65	19.66	19.75		
1.4	256QAM	1	5	19.61	19.81	19.76		
1.4	256QAM	3	0	19.66	19.77	19.51		
1.4	256QAM	3	1	19.49	19.67	19.54		
1.4	256QAM	3	3	19.54	19.63	19.50		
1.4	256QAM	6	0	19.57	19.64	19.59	20.7	5

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.94	23.98	23.85	25.5	0
20	QPSK	1	49	23.82	23.96	23.83		
20	QPSK	1	99	23.76	23.91	23.90		
20	QPSK	50	0	22.85	22.93	22.90	24.5	1
20	QPSK	50	24	22.78	22.87	22.85		
20	QPSK	50	50	22.74	22.83	22.77		
20	QPSK	100	0	22.88	22.90	22.81		
20	16QAM	1	0	22.61	22.76	22.68	24.5	1
20	16QAM	1	49	22.67	22.62	22.59		
20	16QAM	1	99	22.57	22.72	22.58		
20	16QAM	50	0	21.69	21.93	21.82	23.5	2
20	16QAM	50	24	21.80	21.84	21.65		
20	16QAM	50	50	21.78	21.81	21.83		
20	16QAM	100	0	21.79	21.78	21.76		
20	64QAM	1	0	21.59	21.83	21.58	23.5	2
20	64QAM	1	49	21.55	21.71	21.77		
20	64QAM	1	99	21.75	21.79	21.63		
20	64QAM	50	0	20.75	20.92	20.83	22.5	3
20	64QAM	50	24	20.61	20.80	20.69		
20	64QAM	50	50	20.85	20.83	20.75		
20	64QAM	100	0	20.78	20.85	20.76		
20	256QAM	1	0	18.94	19.04	18.95	20.5	5
20	256QAM	1	49	18.76	18.88	18.92		
20	256QAM	1	99	18.80	19.02	18.90		
20	256QAM	50	0	18.79	18.97	18.73	20.5	5
20	256QAM	50	24	18.79	18.81	18.73		
20	256QAM	50	50	18.71	18.82	18.73		
20	256QAM	100	0	18.73	18.78	18.73		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.83	23.92	23.75	25.5	0
15	QPSK	1	37	23.69	23.91	23.75		
15	QPSK	1	74	23.64	23.83	23.86		
15	QPSK	36	0	22.70	22.84	22.82	24.5	1
15	QPSK	36	20	22.68	22.80	22.74		
15	QPSK	36	39	22.71	22.70	22.66		
15	QPSK	75	0	22.78	22.78	22.75		
15	16QAM	1	0	22.53	22.70	22.64	24.5	1
15	16QAM	1	37	22.58	22.62	22.60		
15	16QAM	1	74	22.52	22.64	22.54		
15	16QAM	36	0	21.66	21.79	21.75	23.5	2
15	16QAM	36	20	21.68	21.76	21.56		
15	16QAM	36	39	21.73	21.72	21.76		
15	16QAM	75	0	21.67	21.68	21.72		
15	64QAM	1	0	21.70	21.79	21.74	23.5	2
15	64QAM	1	37	21.55	21.65	21.58		
15	64QAM	1	74	21.60	21.68	21.54		
15	64QAM	36	0	20.70	20.82	20.74	22.5	3
15	64QAM	36	20	20.53	20.67	20.57		
15	64QAM	36	39	20.76	20.76	20.61		
15	64QAM	75	0	20.72	20.81	20.72		
15	256QAM	1	0	18.87	18.99	18.91	20.5	5
15	256QAM	1	37	18.72	18.75	18.79		
15	256QAM	1	74	18.77	18.90	18.84		
15	256QAM	36	0	18.69	18.86	18.60	20.5	5
15	256QAM	36	20	18.69	18.67	18.70		
15	256QAM	36	39	18.62	18.71	18.69		
15	256QAM	75	0	18.64	18.75	18.60		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.83	23.94	23.72	25.5	0
10	QPSK	1	25	23.68	23.89	23.74		
10	QPSK	1	49	23.64	23.86	23.81		
10	QPSK	25	0	22.74	22.83	22.78	24.5	1
10	QPSK	25	12	22.65	22.75	22.74		
10	QPSK	25	25	22.66	22.77	22.72		
10	QPSK	50	0	22.76	22.87	22.66		
10	16QAM	1	0	22.52	22.68	22.56	24.5	1
10	16QAM	1	25	22.61	22.55	22.51		
10	16QAM	1	49	22.52	22.59	22.54		
10	16QAM	25	0	21.58	21.83	21.68	23.5	2
10	16QAM	25	12	21.72	21.74	21.52		
10	16QAM	25	25	21.68	21.67	21.76		
10	16QAM	50	0	21.75	21.72	21.73		
10	64QAM	1	0	21.67	21.71	21.62	23.5	2
10	64QAM	1	25	21.55	21.63	21.64		
10	64QAM	1	49	21.61	21.65	21.51		
10	64QAM	25	0	20.68	20.80	20.71	22.5	3
10	64QAM	25	12	20.53	20.73	20.64		
10	64QAM	25	25	20.81	20.79	20.61		
10	64QAM	50	0	20.73	20.77	20.63		
10	256QAM	1	0	18.90	18.93	18.86	20.5	5
10	256QAM	1	25	18.74	18.80	18.86		
10	256QAM	1	49	18.68	18.89	18.85		
10	256QAM	25	0	18.67	18.87	18.64	20.5	5
10	256QAM	25	12	18.65	18.75	18.62		
10	256QAM	25	25	18.56	18.67	18.59		
10	256QAM	50	0	18.65	18.74	18.67		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.84	23.92	23.79	25.5	0
5	QPSK	1	12	23.73	23.92	23.75		
5	QPSK	1	24	23.68	23.86	23.78		
5	QPSK	12	0	22.81	22.86	22.82	24.5	1
5	QPSK	12	7	22.72	22.76	22.80		
5	QPSK	12	13	22.65	22.70	22.74		
5	QPSK	25	0	22.82	22.84	22.77		
5	16QAM	1	0	22.59	22.71	22.61	24.5	1
5	16QAM	1	12	22.57	22.55	22.54		
5	16QAM	1	24	22.51	22.61	22.52		
5	16QAM	12	0	21.57	21.81	21.68	23.5	2
5	16QAM	12	7	21.71	21.72	21.51		
5	16QAM	12	13	21.73	21.75	21.80		
5	16QAM	25	0	21.74	21.73	21.68		
5	64QAM	1	0	21.51	21.69	21.52	23.5	2
5	64QAM	1	12	21.61	21.68	21.64		
5	64QAM	1	24	21.69	21.73	21.57		
5	64QAM	12	0	20.64	20.85	20.79	22.5	3
5	64QAM	12	7	20.70	20.76	20.65		
5	64QAM	12	13	20.72	20.78	20.68		
5	64QAM	25	0	20.75	20.70	20.66		
5	256QAM	1	0	18.86	18.99	18.87	20.5	5
5	256QAM	1	12	18.71	18.76	18.79		
5	256QAM	1	24	18.75	18.91	18.82		
5	256QAM	12	0	18.69	18.91	18.65	20.5	5
5	256QAM	12	7	18.76	18.68	18.60		
5	256QAM	12	13	18.64	18.74	18.58		
5	256QAM	25	0	18.62	18.65	18.66		

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BW [MHz]	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	24.89	24.95	24.87	25.7	0
20	QPSK	1	49	24.73	24.82	24.72		
20	QPSK	1	99	24.76	24.93	24.80		
20	QPSK	50	0	23.73	23.89	23.75	24.7	1
20	QPSK	50	24	23.66	23.77	23.62		
20	QPSK	50	50	23.71	23.84	23.72		
20	QPSK	100	0	23.73	23.92	23.78		
20	16QAM	1	0	23.57	23.71	23.55	24.7	1
20	16QAM	1	49	23.60	23.60	23.60		
20	16QAM	1	99	23.55	23.66	23.50		
20	16QAM	50	0	22.71	22.81	22.80	23.7	2
20	16QAM	50	24	22.68	22.76	22.68		
20	16QAM	50	50	22.73	22.77	22.69		
20	16QAM	100	0	22.70	22.77	22.77		
20	64QAM	1	0	22.58	22.67	22.57	23.7	2
20	64QAM	1	49	22.55	22.68	22.64		
20	64QAM	1	99	22.62	22.66	22.59		
20	64QAM	50	0	21.72	21.75	21.74	22.7	3
20	64QAM	50	24	21.68	21.77	21.61		
20	64QAM	50	50	21.70	21.85	21.60		
20	64QAM	100	0	21.68	21.83	21.68		
20	256QAM	1	0	19.94	19.95	19.82	20.7	5
20	256QAM	1	49	19.78	19.89	19.79		
20	256QAM	1	99	19.80	19.94	19.82		
20	256QAM	50	0	19.67	19.82	19.64	20.7	5
20	256QAM	50	24	19.65	19.70	19.74		
20	256QAM	50	50	19.61	19.76	19.64		
20	256QAM	100	0	19.63	19.77	19.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.74	24.88	24.81	25.7	0
15	QPSK	1	37	24.59	24.76	24.61		
15	QPSK	1	74	24.62	24.86	24.67		
15	QPSK	36	0	23.58	23.85	23.66	24.7	1
15	QPSK	36	20	23.55	23.63	23.52		
15	QPSK	36	39	23.64	23.72	23.57		
15	QPSK	75	0	23.63	23.74	23.65		
15	16QAM	1	0	23.47	23.61	23.43	24.7	1
15	16QAM	1	37	23.47	23.55	23.50		
15	16QAM	1	74	23.44	23.62	23.41		
15	16QAM	36	0	22.64	22.72	22.76	23.7	2
15	16QAM	36	20	22.54	22.69	22.60		
15	16QAM	36	39	22.65	22.72	22.65		
15	16QAM	75	0	22.63	22.74	22.66		
15	64QAM	1	0	22.45	22.63	22.46	23.7	2
15	64QAM	1	37	22.41	22.62	22.54		
15	64QAM	1	74	22.54	22.53	22.52		
15	64QAM	36	0	21.58	21.61	21.70	22.7	3
15	64QAM	36	20	21.64	21.74	21.53		
15	64QAM	36	39	21.59	21.75	21.46		
15	64QAM	75	0	21.61	21.79	21.64		
15	256QAM	1	0	19.85	19.90	19.70	20.7	5
15	256QAM	1	37	19.74	19.76	19.72		
15	256QAM	1	74	19.74	19.80	19.72		
15	256QAM	36	0	19.57	19.71	19.51	20.7	5
15	256QAM	36	20	19.52	19.56	19.63		
15	256QAM	36	39	19.52	19.63	19.57		
15	256QAM	75	0	19.53	19.71	19.68		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	24.81	24.86	24.75	25.7	0
10	QPSK	1	25	24.62	24.72	24.63		
10	QPSK	1	49	24.62	24.82	24.73		
10	QPSK	25	0	23.69	23.79	23.60	24.7	1
10	QPSK	25	12	23.55	23.64	23.54		
10	QPSK	25	25	23.54	23.76	23.66		
10	QPSK	50	0	23.63	23.74	23.72		
10	16QAM	1	0	23.44	23.61	23.44	24.7	1
10	16QAM	1	25	23.56	23.46	23.47		
10	16QAM	1	49	23.44	23.56	23.41		
10	16QAM	25	0	22.56	22.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.38	24.45	24.40	25.7	0
20	QPSK	1	49	24.24	24.37	24.29		
20	QPSK	1	99	24.31	24.41	24.38		
20	QPSK	50	0	23.37	23.39	23.33	24.7	1
20	QPSK	50	24	23.21	23.28	23.20		
20	QPSK	50	50	23.26	23.35	23.20		
20	QPSK	100	0	23.22	23.32	23.28		
20	16QAM	1	0	23.04	23.19	23.02	24.7	1
20	16QAM	1	49	23.12	23.16	23.11		
20	16QAM	1	99	23.01	23.11	23.00		
20	16QAM	50	0	22.23	22.35	22.23	23.7	2
20	16QAM	50	24	22.12	22.32	22.16		
20	16QAM	50	50	22.13	22.24	22.26		
20	16QAM	100	0	22.17	22.29	22.24		
20	64QAM	1	0	22.15	22.18	22.09	23.7	2
20	64QAM	1	49	21.99	22.17	22.06		
20	64QAM	1	99	22.15	22.23	22.07		
20	64QAM	50	0	21.23	21.35	21.25	22.7	3
20	64QAM	50	24	21.12	21.30	21.09		
20	64QAM	50	50	21.22	21.34	21.21		
20	64QAM	100	0	21.25	21.36	21.23		
20	256QAM	1	0	19.39	19.51	19.38	20.7	5
20	256QAM	1	49	19.26	19.33	19.34		
20	256QAM	1	99	19.28	19.47	19.30		
20	256QAM	50	0	19.22	19.26	19.24	20.7	5
20	256QAM	50	24	19.19	19.26	19.21		
20	256QAM	50	50	19.13	19.25	19.14		
20	256QAM	100	0	19.21	19.25	19.23		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.24	24.38	24.37	25.7	0
15	QPSK	1	37	24.10	24.31	24.26		
15	QPSK	1	74	24.24	24.36	24.30		
15	QPSK	36	0	23.34	23.29	23.22	24.7	1
15	QPSK	36	20	23.10	23.21	23.11		
15	QPSK	36	39	23.22	23.25	23.11		
15	QPSK	75	0	23.11	23.20	23.17		
15	16QAM	1	0	22.96	23.13	22.87	24.7	1
15	16QAM	1	37	23.00	23.06	22.99		
15	16QAM	1	74	22.93	23.07	22.92		
15	16QAM	36	0	22.18	22.24	22.10	23.7	2
15	16QAM	36	20	22.03	22.29	22.08		
15	16QAM	36	39	22.03	22.18	22.20		
15	16QAM	75	0	22.04	22.17	22.14		
15	64QAM	1	0	22.11	22.10	21.94	23.7	2
15	64QAM	1	37	21.93	22.14	21.97		
15	64QAM	1	74	22.06	22.09	22.01		
15	64QAM	36	0	21.10	21.32	21.13	22.7	3
15	64QAM	36	20	20.98	21.27	21.02		
15	64QAM	36	39	21.13	21.30	21.17		
15	64QAM	75	0	21.14	21.28	21.15		
15	256QAM	1	0	19.29	19.48	19.28	20.7	5
15	256QAM	1	37	19.22	19.22	19.23		
15	256QAM	1	74	19.15	19.42	19.15		
15	256QAM	36	0	19.10	19.20	19.14	20.7	5
15	256QAM	36	20	19.10	19.17	19.07		
15	256QAM	36	39	19.02	19.13	19.04		
15	256QAM	75	0	19.11	19.17	19.12		
Channel				37900	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.29	24.37	24.32	25.7	0
10	QPSK	1	25	24.09	24.24	24.18		
10	QPSK	1	49	24.22	24.37	24.31		
10	QPSK	25	0	23.28	23.34	23.24	24.7	1
10	QPSK	25	12	23.12	23.19	23.11		
10	QPSK	25	25	23.23	23.24	23.11		
10	QPSK	50	0	23.18	23.17	23.23		
10	16QAM	1	0	23.01	23.14	22.90	24.7	1
10	16QAM	1	25	23.05	23.11	22.98		
10	16QAM	1	49	22.90	23.02	22.88		
10	16QAM	25	0	22.11	22.26	22.17	23.7	2
10	16QAM	25	12	22.04	22.18	22.11		
10	16QAM	25	25	22.00	22.09	22.11		
10	16QAM	50	0	22.08	22.21	22.11		
10	64QAM	1	0	22.07	22.06	21.96	23.7	2
10	64QAM	1	25	21.89	22.10	21.95		
10	64QAM	1	49	22.03	22.18	21.96		
10	64QAM	25	0	21.19	21.27	21.18	22.7	3
10	64QAM	25	12	20.99	21.16	21.01		
10	64QAM	25	25	21.07	21.22	21.12		
10	64QAM	50	0	21.13	21.31	21.19		
10	256QAM	1	0	19.34	19.38	19.32	20.7	5
10	256QAM	1	25	19.23	19.28	19.30		
10	256QAM	1	49	19.14	19.39	19.24		
10	256QAM	25	0	19.13	19.19	19.16	20.7	5
10	256QAM	25	12	19.16	19.15	19.12		
10	256QAM	25	25	18.99	19.21	19.02		
10	256QAM	50	0	19.13	19.11	19.12		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.24	24.34	24.33	25.7	0
5	QPSK	1	12	24.14	24.27	24.20		
5	QPSK	1	24	24.17	24.38	24.28		
5	QPSK	12	0	23.29	23.33	23.26	24.7	1
5	QPSK	12	7	23.14	23.15	23.12		
5	QPSK	12	13	23.22	23.28	23.07		
5	QPSK	25	0	23.19	23.25	23.18		
5	16QAM	1	0	22.97	23.14	22.97	24.7	1
5	16QAM	1	12	23.07	23.12	22.99		
5	16QAM	1	24	22.93	23.06	22.93		
5	16QAM	12	0	22.11	22.31	22.15	23.7	2
5	16QAM	12	7	22.01	22.23	22.13		
5	16QAM	12	13	22.00	22.18	22.17		
5	16QAM	25	0	22.08	22.16	22.18		
5	64QAM	1	0	22.11	22.05	22.05	23.7	2
5	64QAM	1	12	21.92	22.08	21.94		
5	64QAM	1	24	22.02	22.18	21.93		
5	64QAM	12	0	21.16	21.24	21.20	22.7	3
5	64QAM	12	7	21.00	21.22	21.02		
5	64QAM	12	13	21.14	21.30	21.18		
5	64QAM	25	0	21.20	21.24	21.19		
5	256QAM	1	0	19.34	19.36	19.30	20.7	5
5	256QAM	1	12	19.17	19.27	19.31		
5	256QAM	1	24	19.13	19.35	19.21		
5	256QAM	12	0	19.16	19.13	19.14	20.7	5
5	256QAM	12	7	19.05	19.14	19.17		
5	256QAM	12	13	19.03	19.14	19.09		
5	256QAM	25	0	19.15	19.18	19.11		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2608	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.48	24.59	24.67	24.62	24.53	25.7	0
20	QPSK	1	49	24.41	24.40	24.60	24.52	24.49		
20	QPSK	1	99	24.39	24.58	24.58	24.57	24.55		
20	QPSK	50	0	23.46	23.59	23.62	23.56	23.54	24.7	1
20	QPSK	50	24	23.40	23.51	23.59	23.53	23.54		
20	QPSK	50	50	23.41	23.44	23.53	23.49	23.48		
20	QPSK	100	0	23.37	23.48	23.55	23.50	23.46		
20	16QAM	1	0	23.21	23.20	23.39	23.18	23.32	24.7	1
20	16QAM	1	49	23.26	23.37	23.39	23.36	23.30		
20	16QAM	1	99	23.19	23.23	23.30	23.19	23.23		
20	16QAM	50	0	22.42	22.50	22.60	22.57	22.51	23.7	2
20	16QAM	50	24	22.45	22.43	22.58	22.46	22.52		
20	16QAM	50	50	22.39	22.48	22.56	22.60	22.50		
20	16QAM	100	0	22.42	22.46	22.56	22.55	22.47		
20	64QAM	1	0	22.35	22.48	22.44	22.39	22.38	23.7	2
20	64QAM	1	49	22.31	22.30	22.46	22.33	22.40		
20	64QAM	1	99	22.40	22.45	22.59	22.35	22.55		
20	64QAM	50	0	21.47	21.55	21.70	21.60	21.57	22.7	3
20	64QAM	50	24	21.37	21.41	21.56	21.37	21.42		
20	64QAM	50	50	21.41	21.47	21.64	21.48	21.49		
20	64QAM	100	0	21.36	21.56	21.71	21.51	21.68		
20	256QAM	1	0	19.58	19.69	19.77	19.69	19.69	20.7	5
20	256QAM	1	49	19.57	19.58	19.68	19.67	19.58		
20	256QAM	1	99	19.58	19.64	19.75	19.64	19.70		
20	256QAM	50	0	19.40	19.56	19.57	19.57	19.43	20.7	5
20	256QAM	50	24	19.50	19.55	19.60	19.50	19.57		
20	256QAM	50	50	19.36	19.38	19.54	19.43	19.40		
20	256QAM	100	0	19.40	19.46	19.51	19.41	19.52		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2603.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.37	24.46	24.64	24.49	24.38	26	0
15	QPSK	1	37	24.38	24.34	24.52	24.47	24.42		
15	QPSK	1	74	24.27	24.47	24.53	24.51	24.50		
15	QPSK	36	0	23.36	23.45	23.58	23.44	23.47	24.7	1
15	QPSK	36	20	23.27	23.41	23.50	23.49	23.48		
15	QPSK	36	39	23.32	23.30	23.46	23.46	23.36		
15	QPSK	75	0	23.27	23.42	23.48	23.45	23.40		
15	16QAM	1	0	23.16	23.17	23.30	23.08	23.25	24.7	1
15	16QAM	1	37	23.14	23.31	23.35	23.30	23.21		
15	16QAM	1	74	23.06	23.14	23.24	23.15	23.10		
15	16QAM	36	0	22.37	22.39	22.48	22.44	22.38	23.7	2
15	16QAM	36	20	22.32	22.36	22.43	22.39	22.40		
15	16QAM	36	39	22.26	22.35	22.49	22.50	22.38		
15	16QAM	75	0	22.30	22.39	22.53	22.49	22.42		
15	64QAM	1	0	22.22	22.42	22.41	22.28	22.25	23.7	2
15	64QAM	1	37	22.22	22.24	22.41	22.30	22.27		
15	64QAM	1	74	22.28	22.39	22.52	22.21	22.44		
15	64QAM	36	0	21.43	21.50	21.58	21.57	21.53	22.7	3
15	64QAM	36	20	21.25	21.37	21.50	21.24	21.36		
15	64QAM	36	39	21.32	21.37	21.50	21.37	21.36		
15	64QAM	75	0	21.24	21.42	21.65	21.43	21.54		
15	256QAM	1	0	19.48	19.56	19.67	19.65	19.54	20.7	5
15	256QAM	1	37	19.46	19.46	19.60	19.63	19.54		
15	256QAM	1	74	19.45	19.52	19.68	19.54	19.66		
15	256QAM	36	0	19.32	19.48	19.47	19.48	19.38	20.7	5
15	256QAM	36	20	19.42	19.50	19.51	19.36	19.49		
15	256QAM	36	39	19.29	19.28	19.49	19.39	19.31		
15	256QAM	75	0	19.31	19.46	19.47	19.42	19.45		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.36	24.55	24.57	24.50	24.44	26	0
10	QPSK	1	25	24.33	24.25	24.45	24.48	24.39		
10	QPSK	1	49	24.26	24.54	24.52	24.48	24.44		
10	QPSK	25	0	23.39	23.53	23.52	23.50	23.41	24.7	1
10	QPSK	25	12	23.35	23.39	23.52	23.40	23.45		
10	QPSK	25	25	23.35	23.29	23.48	23.38	23.38		
10	QPSK	50	0	23.26	23.41	23.43	23.44	23.36		
10	16QAM	1	0	23.12	23.10	23.36	23.04	23.27	24.7	1
10	16QAM	1	25	23.14	23.28	23.33	23.33	23.23		
10	16QAM	1	49	23.05	23.18	23.17	23.07	23.18		
10	16QAM	25	0	22.31	22.42	22.45	22.53	22.38	23.7	2
10	16QAM	25	12	22.35	22.33	22.52	22.41	22.40		
10	16QAM	25	25	22.32	22.36	22.46	22.54	22.45		
10	16QAM	50	0	22.34	22.33	22.52	22.45	22.36		
10	64QAM	1	0	22.22	22.42	22.37	22.26	22.34	23.7	2
10	64QAM	1	25	22.23	22.18	22.36	22.18	22.31		
10	64QAM	1	49	22.33	22.40	22.52	22.21	22.48		
10	64QAM	25	0	21.43	21.50	21.58	21.55	21.43	22.7	3
10	64QAM	25	12	21.30	21.28	21.47	21.29	21.33		
10	64QAM	25	25	21.45	21.37	21.59	21.44	21.36		
10	64QAM	50	0	21.24	21.52	21.66	21.38	21.59		
10	256QAM	1	0	19.50	19.61	19.65	19.56	19.56	20.7	5
10	256QAM	1	25	19.45	19.51	19.57	19.52	19.44		
10	256QAM	1	49	19.44	19.50	19.62	19.52	19.61		
10	256QAM	25	0	19.27	19.45	19.43	19.44	19.33	20.7	5
10	256QAM	25	12	19.38	19.48	19.50	19.35	19.43		
10	256QAM	25	25	19.29	19.28	19.46	19.39	19.27		
10	256QAM	50	0	19.34	19.40	19.51	19.50	19.44		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.35	24.55	24.58	24.50	24.49	26	0
5	QPSK	1	12	24.26	24.35	24.49	24.40	24.39		
5	QPSK	1	24	24.31	24.49	24.52	24.48	24.42		
5	QPSK	12	0	23.36	23.50	23.58	23.43	23.43	24.7	1
5	QPSK	12	7	23.28	23.39	23.45	23.43	23.42		
5	QPSK	12	13	23.35	23.40	23.40	23.38	23.34		
5	QPSK	25	0	23.30	23.38	23.51	23.39	23.39		
5	16QAM	1	0	23.13	23.06	23.29	23.11	23.26	24.7	1
5	16QAM	1	12	23.16	23.31	23.29	23.28	23.16		
5	16QAM	1	24	23.09	23.13	23.20	23.08	23.17		
5	16QAM	12	0	22.30	22.42	22.56	22.45	22.42	23.7	2
5	16QAM	12	7	22.31	22.40	22.47	22.40	22.46		
5	16QAM	12	13	22.26	22.41	22.52	22.57	22.38		
5	16QAM	25	0	22.36	22.34	22.45	22.48	22.43		
5	64QAM	1	0	22.32	22.35	22.36	22.34	22.29	23.7	2
5	64QAM	1	12	22.30	22.24	22.31	22.20	22.31		
5	64QAM	1	24	22.28	22.41	22.48	22.31	22.43		
5	64QAM	12	0	21.42	21.49	21.64	21.57	21.45	22.7	3
5	64QAM	12	7	21.26	21.30	21.45	21.32	21.36		
5	64QAM	12	13	21.34	21.33	21.49	21.41	21.44		
5	64QAM	25	0	21.27	21.51	21.58	21.41	21.57		
5	256QAM	1	0	19.47	19.59	19.72	19.65	19.58	20.7	5
5	256QAM	1	12	19.49	19.43	19.60	19.55	19.45		
5	256QAM	1	24	19.52	19.50	19.62	19.54	19.57		
5	256QAM	12	0	19.36	19.43	19.51	19.50	19.30	20.7	5
5	256QAM	12	7	19.38	19.48	19.52	19.45	19.43		
5	256QAM	12	13	19.21	19.26	19.49	19.35	19.29		
5	256QAM	25	0	19.26	19.46	19.47	19.44	19.44		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.04	22.10	21.97	22.7	0
20	QPSK	1	49	21.86	21.93	21.76		
20	QPSK	1	99	21.88	21.94	21.90		
20	QPSK	50	0	21.93	22.05	21.77		
20	QPSK	50	24	21.82	21.94	21.77		
20	QPSK	50	50	21.74	21.93	21.76		
20	QPSK	100	0	21.80	22.00	21.83		
20	16QAM	1	0	21.82	21.90	21.78	22.7	0
20	16QAM	1	49	21.81	21.85	21.82		
20	16QAM	1	99	21.86	21.85	21.77		
20	16QAM	50	0	21.77	21.93	21.89	22.7	0
20	16QAM	50	24	21.70	21.86	21.74		
20	16QAM	50	50	21.70	21.81	21.71		
20	16QAM	100	0	21.81	21.83	21.82		
20	64QAM	1	0	21.66	21.72	21.68	22.7	0
20	64QAM	1	49	21.55	21.65	21.61		
20	64QAM	1	99	21.69	21.80	21.63		
20	64QAM	50	0	21.76	21.82	21.85	22.7	0
20	64QAM	50	24	21.73	21.80	21.74		
20	64QAM	50	50	21.78	21.87	21.68		
20	64QAM	100	0	21.79	21.81	21.83		
20	256QAM	1	0	20.01	20.04	19.98	20.7	2
20	256QAM	1	49	19.82	19.87	19.79		
20	256QAM	1	99	19.84	20.03	19.85		
20	256QAM	50	0	19.73	19.84	19.73	20.7	2
20	256QAM	50	24	19.73	19.75	19.79		
20	256QAM	50	50	19.63	19.81	19.67		
20	256QAM	100	0	19.66	19.78	19.83		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.88	21.93	21.82	22.7	0
15	QPSK	1	37	21.74	21.80	21.73		
15	QPSK	1	74	21.82	21.79	21.85		
15	QPSK	36	0	21.78	21.98	21.65	22.7	0
15	QPSK	36	20	21.66	21.82	21.61		
15	QPSK	36	39	21.60	21.85	21.60		
15	QPSK	75	0	21.65	21.93	21.70		
15	16QAM	1	0	21.70	21.74	21.72	22.7	0
15	16QAM	1	37	21.66	21.74	21.74		
15	16QAM	1	74	21.69	21.71	21.61		
15	16QAM	36	0	21.68	21.79	21.80	22.7	0
15	16QAM	36	20	21.57	21.81	21.66		
15	16QAM	36	39	21.56	21.74	21.60		
15	16QAM	75	0	21.69	21.76	21.73		
15	64QAM	1	0	21.61	21.66	21.54	22.7	0
15	64QAM	1	37	21.46	21.51	21.57		
15	64QAM	1	74	21.61	21.67	21.50		
15	64QAM	36	0	21.72	21.76	21.71	22.7	0
15	64QAM	36	20	21.68	21.69	21.60		
15	64QAM	36	39	21.66	21.75	21.61		
15	64QAM	75	0	21.71	21.73	21.77		
15	256QAM	1	0	19.90	19.98	19.90	20.7	2
15	256QAM	1	37	19.74	19.72	19.66		
15	256QAM	1	74	19.76	19.99	19.71		
15	256QAM	36	0	19.69	19.71	19.66	20.7	2
15	256QAM	36	20	19.60	19.71	19.65		
15	256QAM	36	39	19.59	19.69	19.60		
15	256QAM	75	0	19.52	19.64	19.79		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.93	21.94	21.90	22.7	0
10	QPSK	1	25	21.75	21.76	21.71		
10	QPSK	1	49	21.76	21.89	21.76		
10	QPSK	25	0	21.90	21.99	21.62	22.7	0
10	QPSK	25	12	21.74	21.85	21.70		
10	QPSK	25	25	21.68	21.83	21.67		
10	QPSK	50	0	21.77	21.88	21.78		
10	16QAM	1	0	21.75	21.79	21.69	22.7	0
10	16QAM	1	25	21.65	21.73	21.69		
10	16QAM	1	49	21.78	21.69	21.66		
10	16QAM	25	0	21.69	21.88	21.75	22.7	0
10	16QAM	25	12	21.59	21.79	21.62		
10	16QAM	25	25	21.61	21.73	21.65		
10	16QAM	50	0	21.78	21.79	21.78		
10	64QAM	1	0	21.57	21.65	21.63	22.7	0
10	64QAM	1	25	21.45	21.60	21.50		
10	64QAM	1	49	21.57	21.73	21.52		
10	64QAM	25	0	21.68	21.72	21.77	22.7	0
10	64QAM	25	12	21.60	21.67	21.71		
10	64QAM	25	25	21.69	21.82	21.57		
10	64QAM	50	0	21.65	21.74	21.75		
10	256QAM	1	0	19.87	19.91	19.93	20.7	2
10	256QAM	1	25	19.74	19.78	19.71		
10	256QAM	1	49	19.77	19.89	19.73		
10	256QAM	25	0	19.66	19.69	19.65	20.7	2
10	256QAM	25	12	19.63	19.67	19.66		
10	256QAM	25	25	19.57	19.71	19.59		
10	256QAM	50	0	19.59	19.73	19.69		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.00	21.95	21.93	22.7	0
5	QPSK	1	12	21.80	21.86	21.63		
5	QPSK	1	24	21.72	21.82	21.84		
5	QPSK	12	0	21.88	21.96	21.65	22.7	0
5	QPSK	12	7	21.72	21.83	21.74		
5	QPSK	12	13	21.60	21.83	21.61		
5	QPSK	25	0	21.76	21.86	21.74		
5	16QAM	1	0	21.69	21.78	21.69	22.7	0
5	16QAM	1	12	21.66	21.71	21.68		
5	16QAM	1	24	21.75	21.77	21.73		
5	16QAM	12	0	21.65	21.84	21.84	22.7	0
5	16QAM	12	7	21.55	21.74	21.71		
5	16QAM	12	13	21.56	21.67	21.62		
5	16QAM	25	0	21.74	21.80	21.71		
5	64QAM	1	0	21.53	21.65	21.56	22.7	0
5	64QAM	1	12	21.43	21.52	21.53		
5	64QAM	1	24	21.55	21.70	21.49		
5	64QAM	12	0	21.66	21.68	21.80	22.7	0
5	64QAM	12	7	21.68	21.66	21.68		
5	64QAM	12	13	21.65	21.82	21.54		
5	64QAM	25	0	21.65	21.74	21.77		
5	256QAM	1	0	19.86	19.91	19.87	20.7	2
5	256QAM	1	12	19.72	19.73	19.69		
5	256QAM	1	24	19.69	19.97	19.76		
5	256QAM	12	0	19.67	19.70	19.70	20.7	2
5	256QAM	12	7	19.65	19.60	19.68		
5	256QAM	12	13	19.59	19.73	19.61		
5	256QAM	25	0	19.56	19.69	19.75		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.27	20.32	20.45	20.30	20.19	20.7	0
20	QPSK	1	49	20.11	20.28	20.23	20.19	20.22		
20	QPSK	1	99	20.20	20.09	20.19	20.21	20.17		
20	QPSK	50	0	20.06	20.17	20.40	20.07	20.19		
20	QPSK	50	24	20.07	20.08	20.26	20.10	20.03		
20	QPSK	50	50	20.09	19.94	20.18	20.09	19.99		
20	QPSK	100	0	20.24	20.19	20.34	20.16	20.20		
20	16QAM	1	0	20.08	20.11	20.17	20.09	20.07	20.7	0
20	16QAM	1	49	20.18	20.10	20.17	20.16	20.16		
20	16QAM	1	99	20.14	20.18	20.27	20.19	20.13		
20	16QAM	50	0	20.06	20.09	20.10	20.20	20.03	20.7	0
20	16QAM	50	24	19.97	20.01	20.01	19.99	20.08		
20	16QAM	50	50	19.96	19.99	20.04	19.97	20.00		
20	16QAM	100	0	19.95	20.07	20.02	19.91	19.98		
20	64QAM	1	0	20.04	20.16	20.12	20.02	20.06	20.7	0
20	64QAM	1	49	20.05	20.11	20.02	20.01	20.15		
20	64QAM	1	99	20.01	20.03	20.14	20.13	20.21		
20	64QAM	50	0	19.91	20.01	20.04	20.01	20.06	20.7	0
20	64QAM	50	24	20.10	20.14	20.32	20.15	20.09		
20	64QAM	50	50	20.01	20.10	20.18	20.08	20.04		
20	64QAM	100	0	20.07	20.04	20.02	19.94	19.95		
20	256QAM	1	0	20.13	20.32	20.33	20.33	20.27	20.7	0
20	256QAM	1	49	20.22	20.21	20.24	20.28	20.20		
20	256QAM	1	99	20.15	20.25	20.36	20.28	20.31		
20	256QAM	50	0	19.98	20.20	20.20	20.23	20.00	20.7	0
20	256QAM	50	24	20.09	20.22	20.18	20.15	20.20		
20	256QAM	50	50	19.96	20.02	20.15	19.98	20.03		
20	256QAM	100	0	20.00	20.06	20.15	20.17	20.13		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.23	20.28	20.38	20.13	20.15	21	0
15	QPSK	1	37	19.97	20.18	20.15	20.06	20.13		
15	QPSK	1	74	20.12	20.03	20.05	20.13	20.00		
15	QPSK	36	0	19.94	20.07	20.29	19.93	20.08	20.7	0
15	QPSK	36	20	19.95	20.01	20.21	20.01	19.96		
15	QPSK	36	39	20.01	19.87	20.12	20.02	19.92		
15	QPSK	75	0	20.17	20.11	20.31	20.07	20.06		
15	16QAM	1	0	19.96	19.95	20.04	19.97	20.03	20.7	0
15	16QAM	1	37	20.08	20.06	20.12	20.00	20.13		
15	16QAM	1	74	20.09	20.14	20.17	20.07	19.99		
15	16QAM	36	0	20.02	19.95	19.94	20.13	19.96	20.7	0
15	16QAM	36	20	19.84	19.93	19.88	19.91	19.96		
15	16QAM	36	39	19.93	19.95	19.96	19.88	19.84		
15	16QAM	75	0	19.82	20.00	19.86	19.77	19.91		
15	64QAM	1	0	19.96	20.00	19.99	19.98	20.01	20.7	0
15	64QAM	1	37	19.93	20.05	19.93	19.88	20.04		
15	64QAM	1	74	19.84	19.99	20.01	20.09	20.12		
15	64QAM	36	0	19.83	19.88	19.91	19.89	19.92	20.7	0
15	64QAM	36	20	20.07	20.04	20.22	20.07	20.04		
15	64QAM	36	39	19.92	19.99	20.14	19.99	19.88		
15	64QAM	75	0	19.96	19.99	19.91	19.80	19.85		
15	256QAM	1	0	19.83	20.02	20.03	20.03	19.97	20.7	0
15	256QAM	1	37	19.92	19.91	19.94	19.98	19.90		
15	256QAM	1	74	19.85	19.95	20.06	19.98	20.06		
15	256QAM	36	0	19.68	19.90	19.90	19.93	19.70	20.7	0
15	256QAM	36	20	19.79	19.92	19.88	19.85	19.90		
15	256QAM	36	39	19.66	19.72	19.85	19.68	19.73		
15	256QAM	75	0	19.70	19.76	19.85	19.87	19.83		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.22	20.26	20.36	20.19	20.03	21	0
10	QPSK	1	25	20.08	20.15	20.12	20.16	20.14		
10	QPSK	1	49	20.09	19.97	20.07	20.04	20.05		
10	QPSK	25	0	19.92	20.10	20.23	19.97	20.13	20.7	0
10	QPSK	25	12	20.03	19.97	20.21	19.99	19.98		
10	QPSK	25	25	19.96	19.79	20.07	20.01	19.94		
10	QPSK	50	0	20.10	20.14	20.24	20.02	20.12		
10	16QAM	1	0	19.95	20.01	20.08	19.94	19.98	20.7	0
10	16QAM	1	25	20.07	19.96	20.08	20.00	20.09		
10	16QAM	1	49	20.00	20.04	20.15	20.14	20.03		
10	16QAM	25	0	20.02	19.99	20.02	20.15	19.86	20.7	0
10	16QAM	25	12	19.89	19.91	19.97	19.89	20.05		
10	16QAM	25	25	19.90	19.83	19.94	19.92	19.87		
10	16QAM	50	0	19.84	19.96	19.91	19.75	19.83		
10	64QAM	1	0	19.97	20.02	20.01	19.92	20.01	20.7	0
10	64QAM	1	25	19.97	20.01	19.90	19.93	20.12		
10	64QAM	1	49	19.91	19.98	20.05	20.08	20.15		
10	64QAM	25	0	19.82	19.85	19.87	19.91	20.01	20.7	0
10	64QAM	25	12	19.96	20.07	20.28	19.99	20.00		
10	64QAM	25	25	19.89	19.99	20.04	19.92	19.88		
10	64QAM	50	0	20.02	19.94	19.97	19.82	19.87		
10	256QAM	1	0	20.06	20.21	20.19	20.23	20.21	20.7	0
10	256QAM	1	25	20.12	20.17	20.18	20.25	20.08		
10	256QAM	1	49	20.12	20.20	20.27	20.18	20.29		
10	256QAM	25	0	19.87	20.09	20.06	20.13	19.94	20.7	0
10	256QAM	25	12	20.01	20.18	20.03	20.01	20.07		
10	256QAM	25	25	19.90	19.94	20.03	19.92	19.93		
10	256QAM	50	0	19.93	19.94	20.03	20.07	20.10		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.22	20.16	20.30	20.25	20.03	21	0
5	QPSK	1	12	19.98	20.19	20.16	20.06	20.10		
5	QPSK	1	24	20.15	19.95	20.10	20.08	20.00		
5	QPSK	12	0	19.97	20.05	20.36	20.01	20.11	20.7	0
5	QPSK	12	7	20.01	19.92	20.21	20.02	19.87		
5	QPSK	12	13	19.96	19.82	20.07	20.01	19.88		
5	QPSK	25	0	20.16	20.03	20.25	20.02	20.05		
5	16QAM	1	0	20.02	19.99	20.02	20.03	20.01	20.7	0
5	16QAM	1	12	20.07	19.96	20.11	20.04	20.03		
5	16QAM	1	24	20.02	20.11	20.20	20.09	20.00		
5	16QAM	12	0	19.92	19.92	19.98	20.08	19.93	20.7	0
5	16QAM	12	7	19.81	19.93	19.86	19.95	19.96		
5	16QAM	12	13	19.89	19.87	19.95	19.89	19.91		
5	16QAM	25	0	19.85	19.99	19.92	19.82	19.88		
5	64QAM	1	0	20.00	20.03	20.07	19.97	19.95	20.7	0
5	64QAM	1	12	19.98	20.00	19.93	19.94	20.10		
5	64QAM	1	24	19.91	19.89	20.01	20.04	20.16		
5	64QAM	12	0	19.87	19.98	19.98	19.95	19.99	20.7	0
5	64QAM	12	7	19.99	20.01	20.23	20.05	19.96		
5	64QAM	12	13	19.93	19.94	20.08	19.93	19.99		
5	64QAM	25	0	19.90	19.93	19.93	19.87	19.81		
5	256QAM	1	0	20.08	20.23	20.23	20.26	20.17	20.7	0
5	256QAM	1	12	20.10	20.08	20.19	20.24	20.10		
5	256QAM	1	24	20.10	20.19	20.29	20.17	20.31		
5	256QAM	12	0	19.86	20.13	20.12	20.11	19.97	20.7	0
5	256QAM	12	7	19.97	20.16	20.05	20.01	20.10		
5	256QAM	12	13	19.83	19.96	20.06	19.86	19.92		
5	256QAM	25	0	19.90	19.93	20.08	20.06	20.09		

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BW [MHz]	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	19.58	19.61	19.55	20.7	0
20	QPSK	1	49	19.32	19.40	19.36		
20	QPSK	1	99	19.32	19.44	19.35		
20	QPSK	50	0	19.58	19.59	19.57		
20	QPSK	50	24	19.25	19.41	19.29	20.7	0
20	QPSK	50	50	19.31	19.42	19.29		
20	QPSK	100	0	19.49	19.07	19.53		
20	16QAM	1	0	19.27	19.43	19.26		
20	16QAM	1	49	19.28	19.30	19.26	20.7	0
20	16QAM	1	99	19.38	19.41	19.28		
20	16QAM	50	0	19.20	19.35	19.27		
20	16QAM	50	24	19.13	19.31	19.27	20.7	0
20	16QAM	50	50	19.20	19.19	19.10		
20	16QAM	100	0	19.17	19.21	19.06		
20	64QAM	1	0	19.25	19.37	19.27		
20	64QAM	1	49	19.30	19.33	19.26	20.7	0
20	64QAM	1	99	19.27	19.37	19.20		
20	64QAM	50	0	19.16	19.25	19.22		
20	64QAM	50	24	19.33	19.46	19.35	20.7	0
20	64QAM	50	50	19.23	19.37	19.29		
20	64QAM	100	0	19.17	19.31	19.22		
20	256QAM	1	0	19.26	19.35	19.32		
20	256QAM	1	49	19.15	19.40	19.22	20.7	0
20	256QAM	1	99	19.20	19.40	19.21		
20	256QAM	50	0	19.22	19.26	19.23		
20	256QAM	50	24	19.09	19.30	19.15	20.7	0
20	256QAM	50	50	19.20	19.23	19.20		
20	256QAM	100	0	19.03	19.27	19.18		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.39	19.45	19.33	20.7	0
15	QPSK	1	37	19.37	19.37	19.32		
15	QPSK	1	74	19.25	19.31	19.27		
15	QPSK	36	0	19.31	19.41	19.20		
15	QPSK	36	20	19.12	19.30	19.21	20.7	0
15	QPSK	36	39	19.17	19.28	19.00		
15	QPSK	75	0	19.21	19.36	19.28		
15	16QAM	1	0	19.15	19.35	19.16		
15	16QAM	1	37	19.24	19.22	19.13	20.7	0
15	16QAM	1	74	19.32	19.32	19.15		
15	16QAM	36	0	19.15	19.24	19.20		
15	16QAM	36	20	19.05	19.19	19.16	20.7	0
15	16QAM	36	39	19.16	19.10	19.01		
15	16QAM	75	0	19.13	19.07	18.97		
15	64QAM	1	0	19.13	19.33	19.23		
15	64QAM	1	37	19.27	19.22	19.22	20.7	0
15	64QAM	1	74	19.20	19.30	19.15		
15	64QAM	36	0	19.09	19.18	19.17		
15	64QAM	36	20	19.24	19.28	19.22	20.7	0
15	64QAM	36	39	19.16	19.28	19.22		
15	64QAM	75	0	19.14	19.28	19.09		
15	256QAM	1	0	19.10	19.27	19.27		
15	256QAM	1	37	18.99	19.35	19.15	20.7	0
15	256QAM	1	74	19.08	19.33	19.16		
15	256QAM	36	0	19.13	19.15	19.17		
15	256QAM	36	20	18.97	19.19	19.00	20.7	0
15	256QAM	36	39	19.12	19.12	19.06		
15	256QAM	75	0	18.97	19.23	19.02		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.42	19.43	19.36	20.7	0
10	QPSK	1	25	19.26	19.29	19.20		
10	QPSK	1	49	19.26	19.37	19.22		
10	QPSK	25	0	19.25	19.35	19.22		
10	QPSK	25	12	19.18	19.34	19.20	20.7	0
10	QPSK	25	25	19.21	19.36	19.25		
10	QPSK	50	0	19.15	19.32	19.27		
10	16QAM	1	0	19.24	19.33	19.14		
10	16QAM	1	25	19.22	19.16	19.11	20.7	0
10	16QAM	1	49	19.26	19.24	19.23		
10	16QAM	25	0	19.12	19.25	19.18		
10	16QAM	25	12	19.06	19.26	19.15	20.7	0
10	16QAM	25	25	19.08	19.06	18.95		
10	16QAM	50	0	19.14	19.18	18.94		
10	64QAM	1	0	19.15	19.26	19.12		
10	64QAM	1	25	19.18	19.20	19.18	20.7	0
10	64QAM	1	49	19.24	19.27	19.13		
10	64QAM	25	0	19.11	19.14	19.12		
10	64QAM	25	12	19.21	19.32	19.28	20.7	0
10	64QAM	25	25	19.14	19.21	19.21		
10	64QAM	50	0	19.03	19.24	19.15		
10	256QAM	1	0	19.12	19.21	19.23		
10	256QAM	1	25	19.01	19.24	19.15	20.7	0
10	256QAM	1	49	19.14	19.30	19.15		
10	256QAM	25	0	19.11	19.13	19.19		
10	256QAM	25	12	18.99	19.22	19.05	20.7	0
10	256QAM	25	25	19.08	19.12	19.16		
10	256QAM	50	0	18.87	19.18	19.10		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.41	19.50	19.24	20.7	0
5	QPSK	1	12	19.26	19.33	19.28		
5	QPSK	1	24	19.20	19.29	19.24		
5	QPSK	12	0	19.17	19.33	19.29		
5	QPSK	12	7	19.21	19.32	19.19	20.7	0
5	QPSK	12	13	19.23	19.35	19.14		
5	QPSK	25	0	19.16	19.27	19.17		
5	16QAM	1	0	19.19	19.36	19.10		
5	16QAM	1	12	19.23	19.23	19.23	20.7	0
5	16QAM	1	24	19.28	19.33	19.20		
5	16QAM	12	0	19.07	19.28	19.14		
5	16QAM	12	7	18.96	19.25	19.13	20.7	0
5	16QAM	12	13	19.16	19.10	19.06		
5	16QAM	25	0	19.08	19.16	19.02		
5	64QAM	1	0	19.13	19.35	19.13		
5	64QAM	1	12	19.24	19.22	19.19	20.7	0
5	64QAM	1	24	19.22	19.29	19.09		
5	64QAM	12	0	19.11	19.21	19.10		
5	64QAM	12	7	19.22	19.33	19.26	20.7	0
5	64QAM	12	13	19.15	19.32	19.14		
5	64QAM	25	0	19.06	19.29	19.09		
5	256QAM	1	0	19.21	19.27	19.21		
5	256QAM	1	12	19.07	19.33	19.12	20.7	0
5	256QAM	1	24	19.13	19.28	19.16		
5	256QAM	12	0	19.15	19.15	19.17		
5	256QAM	12	7	18.98	19.21	19.12	20.7	0
5	256QAM	12	13	19.13	19.07	19.07		
5	256QAM	25	0	18.97	19.10	19.03		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.36	19.43	19.28	20.7	0
3	QPSK	1	8	19.17	19.36	19.32		
3	QPSK	1	14	19.18	19.39	19.22		
3	QPSK	8	0	19.22	19.31	19.25		
3	QPSK	8	4	19.10	19.26	19.23	20.7	0
3	QPSK	8	7	19.22	19.37	19.20		
3	QPSK	15	0	19.16	19.27	19.29		
3	16QAM	1	0	19.17	19.28	19.11		
3	16QAM	1	8	19.19	19.20	19.13	20.7	0
3	16QAM	1	14	19.28	19.31	19.17		
3	16QAM	8	0	19.06	19.18	19.11		
3	16QAM	8	4	19.09	19.20	19.21	20.7	0
3	16QAM	8	7	19.05	19.09	19.07		
3	16QAM	15	0	19.03	19.16	18.93		
3	64QAM	1	0	19.16	19.26	19.18		
3	64QAM	1	8	19.24	19.25	19.20	20.7	0
3	64QAM	1	14	19.22	19.28	19.13		
3	64QAM	8	0	19.11	19.08	19.14		
3	64QAM	8	4	19.25	19.42	19.21	20.7	0
3	64QAM	8	7	19.18	19.24	19.19		
3	64QAM	15	0	19.12	19.22	19.08		
3	256QAM	1	0	19.12	19.24	19.19		
3	256QAM	1	8	19.11	19.32	19.17	20.7	0
3	256QAM	1	14	19.12	19.33	19.16		
3	256QAM	8	0	19.15	19.09	19.09		
3	256QAM	8	4	19.05	19.25	19.01	20.7	0
3	256QAM	8	7	19.11	19.10	19.16		
3	256QAM	15	0	18.88	19.13	19.05		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.37	19.40	19.30	20.7	0
1.4	QPSK	1	3	19.28	19.34	19.25		
1.4	QPSK	1	5	19.29	19.29	19.25		
1.4	QPSK	3	0	19.18	19.38	19.26		
1.4	QPSK	3	1	19.16	19.28	19.23		
1.4	QPSK	3	3	19.15	19.33	19.22		
1.4	QPSK	6	0	19.25	19.37	19.25	20.7	0
1.4	16QAM	1	0	19.19	19.26	19.15	20.7	0
1.4	16QAM	1	3	19.24	19.24	19.10		
1.4	16QAM	1	5	19.26	19.35	19.13		
1.4	16QAM	3	0	19.10	19.31	19.12		
1.4	16QAM	3	1	18.99	19.19	19.14		
1.4	16QAM	3	3	19.08	19.15	19.04		
1.4	16QAM	6	0	19.01	19.08	18.99	20.7	0
1.4	64QAM	1	0	19.21	19.33	19.11	20.7	0
1.4	64QAM	1	3	19.15	19.20	19.09		
1.4	64QAM	1	5	19.14	19.32	19.13		
1.4	64QAM	3	0	19.05	19.17	19.17		
1.4	64QAM	3	1	19.28	19.38	19.29		
1.4	64QAM	3	3	19.10	19.31	19.20		
1.4	64QAM	6	0	19.02	19.27	19.14	20.7	0
1.4	256QAM	1	0	19.17	19.30	19.27	20.7	0
1.4	256QAM	1	3	19.07	19.26	19.16		
1.4	256QAM	1	5	19.07	19.35	19.16		
1.4	256QAM	3	0	19.16	19.15	19.08		
1.4	256QAM	3	1	18.94	19.20	19.11		
1.4	256QAM	3	3	19.16	19.07	19.12		
1.4	256QAM	6	0	18.89	19.20	19.06	20.7	0

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BW [MHz]	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	19.32	19.36	19.29	20.2	0
20	QPSK	1	49	19.11	19.17	19.15		
20	QPSK	1	99	19.12	19.18	19.08		
20	QPSK	50	0	19.28	19.31	19.23		
20	QPSK	50	24	19.05	19.27	19.13	20.2	0
20	QPSK	50	50	19.17	19.18	19.12		
20	QPSK	100	0	19.13	19.27	19.21		
20	16QAM	1	0	19.13	19.29	19.09		
20	16QAM	1	49	19.15	19.10	19.00	20.2	0
20	16QAM	1	99	19.18	19.19	19.09		
20	16QAM	50	0	19.01	19.19	19.01		
20	16QAM	50	24	18.97	19.06	19.13	20.2	0
20	16QAM	50	50	19.07	19.03	18.86		
20	16QAM	100	0	18.96	19.03	18.83		
20	64QAM	1	0	19.09	19.19	19.06		
20	64QAM	1	49	19.03	19.08	19.04	20.2	0
20	64QAM	1	99	19.08	19.15	19.05		
20	64QAM	50	0	19.02	19.09	18.99		
20	64QAM	50	24	18.97	19.05	19.21	20.2	0
20	64QAM	50	50	18.99	19.18	19.15		
20	64QAM	100	0	18.97	19.11	19.03		
20	256QAM	1	0	19.12	19.16	19.13		
20	256QAM	1	49	18.95	19.15	18.99	20.2	0
20	256QAM	1	99	19.01	19.18	18.99		
20	256QAM	50	0	19.06	19.08	19.05		
20	256QAM	50	24	18.95	19.05	18.94	20.2	0
20	256QAM	50	50	18.94	19.10	18.93		
20	256QAM	100	0	18.78	19.02	19.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.18	19.24	19.14	20.2	0
15	QPSK	1	37	18.98	19.09	19.07		
15	QPSK	1	74	19.01	19.04	19.03		
15	QPSK	36	0	19.16	19.18	19.08		
15	QPSK	36	20	18.93	19.22	19.04	20.2	0
15	QPSK	36	39	19.08	19.06	19.04		
15	QPSK	75	0	19.02	19.12	19.14		
15	16QAM	1	0	18.97	19.19	18.98		
15	16QAM	1	37	19.04	19.07	18.96	20.2	0
15	16QAM	1	74	19.05	19.10	18.94		
15	16QAM	36	0	18.85	19.04	18.87		
15	16QAM	36	20	18.88	19.02	18.99	20.2	0
15	16QAM	36	39	18.99	18.87	18.78		
15	16QAM	75	0	18.88	18.92	18.79		
15	64QAM	1	0	18.99	19.05	18.93		
15	64QAM	1	37	18.91	18.93	18.94	20.2	0
15	64QAM	1	74	18.92	19.00	18.93		
15	64QAM	36	0	18.88	19.04	18.94		
15	64QAM	36	20	19.05	19.21	19.17	20.2	0
15	64QAM	36	39	18.90	19.12	19.01		
15	64QAM	75	0	18.90	19.12	18.89		
15	256QAM	1	0	18.95	19.11	19.06		
15	256QAM	1	37	18.80	19.03	18.85	20.2	0
15	256QAM	1	74	18.96	19.14	18.90		
15	256QAM	36	0	19.00	18.98	18.91		
15	256QAM	36	20	18.81	18.93	18.91	20.2	0
15	256QAM	36	39	18.91	18.96	18.86		
15	256QAM	75	0	18.63	18.86	18.89		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.19	19.33	19.25	20.2	0
10	QPSK	1	25	18.96	19.06	19.12		
10	QPSK	1	49	19.00	19.01	19.05		
10	QPSK	25	0	19.24	19.19	19.06		
10	QPSK	25	12	18.98	19.16	19.01	20.2	0
10	QPSK	25	25	19.06	19.13	19.07		
10	QPSK	50	0	19.00	19.21	19.05		
10	16QAM	1	0	18.98	19.24	19.02		
10	16QAM	1	25	18.99	18.99	18.93	20.2	0
10	16QAM	1	49	19.03	19.14	19.00		
10	16QAM	25	0	18.86	19.04	18.85		
10	16QAM	25	12	18.93	19.01	19.08	20.2	0
10	16QAM	25	25	19.04	18.94	18.80		
10	16QAM	50	0	18.82	18.98	18.74		
10	64QAM	1	0	18.94	19.06	19.02		
10	64QAM	1	25	18.93	18.94	18.89	20.2	0
10	64QAM	1	49	18.94	19.00	18.98		
10	64QAM	25	0	18.93	18.94	18.93		
10	64QAM	25	12	19.13	19.23	19.16	20.2	0
10	64QAM	25	25	18.84	19.11	19.09		
10	64QAM	50	0	18.92	19.13	18.87		
10	256QAM	1	0	19.01	19.16	19.00		
10	256QAM	1	25	18.92	19.10	18.84	20.2	0
10	256QAM	1	49	18.92	19.12	18.92		
10	256QAM	25	0	18.97	19.05	18.88		
10	256QAM	25	12	18.93	19.01	18.90	20.2	0
10	256QAM	25	25	18.78	18.89	18.90		
10	256QAM	50	0	18.61	18.98	18.92		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.26	19.21	19.26	20.2	0
5	QPSK	1	12	18.95	19.06	19.01		
5	QPSK	1	24	19.07	19.05	19.02		
5	QPSK	12	0	19.11	19.14	19.11		
5	QPSK	12	7	18.96	19.13	19.03	20.2	0
5	QPSK	12	13	19.03	19.07	19.08		
5	QPSK	25	0	18.98	19.22	19.07		
5	16QAM	1	0	19.10	19.20	19.02		
5	16QAM	1	12	19.03	19.06	18.88	20.2	0
5	16QAM	1	24	19.03	19.04	19.00		
5	16QAM	12	0	18.98	19.02	18.90		
5	16QAM	12	7	18.87	18.99	19.00	20.2	0
5	16QAM	12	13	18.96	18.96	18.73		
5	16QAM	25	0	18.83	18.97	18.67		
5	64QAM	1	0	18.97	19.10	18.89		
5	64QAM	1	12	18.89	18.95	18.96	20.2	0
5	64QAM	1	24	19.04	18.99	18.89		
5	64QAM	12	0	18.94	19.05	18.88		
5	64QAM	12	7	19.01	19.14	19.14	20.2	0
5	64QAM	12	13	18.85	19.10	19.07		
5	64QAM	25	0	18.85	19.10	18.88		
5	256QAM	1	0	19.06	19.09	19.05		
5	256QAM	1	12	18.78	18.99	18.88	20.2	0
5	256QAM	1	24	18.95	19.13	18.94		
5	256QAM	12	0	18.96	19.04	18.95		
5	256QAM	12	7	18.89	18.94	18.79	20.2	0
5	256QAM	12	13	18.90	18.95	18.86		
5	256QAM	25	0	18.73	18.91	18.85		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.28	19.31	19.26	20.2	0
3	QPSK	1	8	18.96	19.11	19.11		
3	QPSK	1	14	19.09	19.04	18.97		
3	QPSK	8	0	19.19	19.12	19.12		
3	QPSK	8	4	18.92	19.22	19.06	20.2	0
3	QPSK	8	7	19.02	19.13	19.01		
3	QPSK	15	0	19.04	19.21	19.16		
3	16QAM	1	0	19.10	19.24	19.01		
3	16QAM	1	8	18.99	19.07	18.86	20.2	0
3	16QAM	1	14	19.10	19.09	19.06		
3	16QAM	8	0	18.87	19.08	18.96		
3	16QAM	8	4	18.86	18.97	19.08	20.2	0
3	16QAM	8	7	18.99	18.95	18.69		
3	16QAM	15	0	18.80	18.87	18.68		
3	64QAM	1	0	18.92	19.00	18.90		
3	64QAM	1	8	18.91	18.95	18.89	20.2	0
3	64QAM	1	14	18.97	19.05	18.95		
3	64QAM	8	0	18.93	19.05	18.89		
3	64QAM	8	4	19.13	19.15	19.08	20.2	0
3	64QAM	8	7	18.93	19.09	19.02		
3	64QAM	15	0	18.91	19.10	18.86		
3	256QAM	1	0	18.96	19.06	18.99		
3	256QAM	1	8	18.91	18.99	18.86	20.2	0
3	256QAM	1	14	18.95	19.09	18.88		
3	256QAM	8	0	19.01	19.02	18.97		
3	256QAM	8	4	18.79	19.02	18.79	20.2	0
3	256QAM	8	7	18.87	18.89	18.79		
3	256QAM	15	0	18.65	18.88	18.94		
Channel				19900	20175	20450	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.26	19.29	19.21	20.2	0
1.4	QPSK	1	3	19.07	19.14	19.00		
1.4	QPSK	1	5	19.00	19.02	18.92		
1.4	QPSK	3	0	19.22	19.26	19.20		
1.4	QPSK	3	1	18.90	19.11	19.08		
1.4	QPSK	3	3	19.01	19.07	18.95		
1.4	QPSK	6	0	19.00	19.18	19.06	20.2	0
1.4	16QAM	1	0	18.99	19.20	18.93	20.2	0
1.4	16QAM	1	3	19.02	19.00	18.93		
1.4	16QAM	1	5	19.05	19.05	18.95		
1.4	16QAM	3	0	18.86	19.03	18.87		
1.4	16QAM	3	1	18.91	18.92	18.98		
1.4	16QAM	3	3	18.91	18.92	18.75		
1.4	16QAM	6	0	18.83	18.96	18.72	20.2	0
1.4	64QAM	1	0	18.93	19.09	18.95	20.2	0
1.4	64QAM	1	3	18.94	19.01	19.00		
1.4	64QAM	1	5	19.02	19.01	18.95		
1.4	64QAM	3	0	18.90	18.94	18.92		
1.4	64QAM	3	1	19.06	19.22	19.14		
1.4	64QAM	3	3	18.87	19.13	19.01		
1.4	64QAM	6	0	18.86	19.03	18.90	20.2	0
1.4	256QAM	1	0	19.03	19.07	19.01	20.2	0
1.4	256QAM	1	3	18.87	19.08	18.94		
1.4	256QAM	1	5	18.87	19.03	18.95		
1.4	256QAM	3	0	19.02	19.02	19.00		
1.4	256QAM	3	1	18.89	19.03	18.86		
1.4	256QAM	3	3	18.85	18.94	18.87		
1.4	256QAM	6	0	18.63	18.89	18.95	20.2	0

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BW [MHz]	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	20.54	20.58	20.48	22	0
20	QPSK	1	49	20.40	20.39	20.30		
20	QPSK	1	99	20.37	20.51	20.46		
20	QPSK	50	0	20.49	20.50	20.47		
20	QPSK	50	24	20.33	20.36	20.37	22	0
20	QPSK	50	50	20.29	20.37	20.23		
20	QPSK	100	0	20.40	20.42	20.37		
20	16QAM	1	0	20.32	20.42	20.29		
20	16QAM	1	49	20.18	20.29	20.37	22	0
20	16QAM	1	99

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.40	21.42	21.32	22.2	0
20	QPSK	1	49	21.23	21.38	21.24		
20	QPSK	1	99	21.33	21.37	21.25		
20	QPSK	50	0	21.23	21.37	21.23		
20	QPSK	50	24	21.14	21.33	21.27	22.2	0
20	QPSK	50	50	21.18	21.26	21.24		
20	QPSK	100	0	21.25	21.31	21.28		
20	16QAM	1	0	21.15	21.27	21.17		
20	16QAM	1	49	21.26	21.22	21.19	22.2	0
20	16QAM	1	99	21.20	21.29	21.23		
20	16QAM	50	0	21.19	21.21	21.22		
20	16QAM	50	24	21.04	21.24	21.18	22.2	0
20	16QAM	50	50	21.05	21.11	21.04		
20	16QAM	100	0	21.01	21.17	21.00		
20	64QAM	1	0	21.26	21.22	21.17		
20	64QAM	1	49	21.19	21.21	21.07	22.2	0
20	64QAM	1	99	21.28	21.29	21.20		
20	64QAM	50	0	21.21	21.32	21.26		
20	64QAM	50	24	21.07	21.22	21.08	22.2	0
20	64QAM	50	50	21.21	21.25	21.08		
20	64QAM	100	0	21.13	21.28	21.14		
20	256QAM	1	0	19.80	19.99	19.76		
20	256QAM	1	49	19.73	19.83	19.71	20.7	1.5
20	256QAM	1	99	19.82	19.94	19.74		
20	256QAM	50	0	19.68	19.82	19.60		
20	256QAM	50	24	19.68	19.70	19.63	20.7	1.5
20	256QAM	50	50	19.51	19.63	19.62		
20	256QAM	100	0	19.68	19.71	19.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.25	21.30	21.24	22.2	0
15	QPSK	1	37	21.14	21.27	21.16		
15	QPSK	1	74	21.27	21.20	21.12		
15	QPSK	36	0	21.11	21.21	21.06		
15	QPSK	36	20	21.06	21.18	21.18	22.2	0
15	QPSK	36	39	21.10	21.11	21.07		
15	QPSK	75	0	21.09	21.17	21.14		
15	16QAM	1	0	21.02	21.22	21.12		
15	16QAM	1	37	21.18	21.07	21.15	22.2	0
15	16QAM	1	74	21.10	21.26	21.12		
15	16QAM	36	0	21.15	21.16	21.06		
15	16QAM	36	20	20.93	21.16	21.13	22.2	0
15	16QAM	36	39	20.99	21.04	20.89		
15	16QAM	75	0	20.87	21.06	20.92		
15	64QAM	1	0	21.24	21.11	21.07		
15	64QAM	1	37	21.11	21.13	20.95	22.2	0
15	64QAM	1	74	21.16	21.18	21.11		
15	64QAM	36	0	21.09	21.20	21.22		
15	64QAM	36	20	20.99	21.18	21.04	22.2	0
15	64QAM	36	39	21.18	21.19	20.94		
15	64QAM	75	0	21.00	21.19	21.07		
15	256QAM	1	0	19.65	19.93	19.71		
15	256QAM	1	37	19.61	19.72	19.64	20.7	1.5
15	256QAM	1	74	19.78	19.90	19.70		
15	256QAM	36	0	19.56	19.75	19.57		
15	256QAM	36	20	19.57	19.57	19.48	20.7	1.5
15	256QAM	36	39	19.40	19.53	19.55		
15	256QAM	75	0	19.62	19.58	19.55		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.33	21.31	21.26	22.2	0
10	QPSK	1	25	21.11	21.25	21.12		
10	QPSK	1	49	21.21	21.31	21.10		
10	QPSK	25	0	21.15	21.32	21.18		
10	QPSK	25	12	21.10	21.31	21.17	22.2	0
10	QPSK	25	25	21.14	21.15	21.11		
10	QPSK	50	0	21.16	21.26	21.23		
10	16QAM	1	0	21.02	21.13	21.01		
10	16QAM	1	25	21.13	21.18	21.04	22.2	0
10	16QAM	1	49	21.05	21.14	21.18		
10	16QAM	25	0	21.05	21.16	21.18		
10	16QAM	25	12	20.96	21.16	21.14	22.2	0
10	16QAM	25	25	20.97	21.07	20.98		
10	16QAM	50	0	20.91	21.13	20.95		
10	64QAM	1	0	21.12	21.15	21.02		
10	64QAM	1	25	21.13	21.16	20.98	22.2	0
10	64QAM	1	49	21.19	21.14	21.14		
10	64QAM	25	0	21.12	21.19	21.14		
10	64QAM	25	12	21.00	21.08	20.95	22.2	0
10	64QAM	25	25	21.16	21.14	20.99		
10	64QAM	50	0	21.09	21.12	21.00		
10	256QAM	1	0	19.74	19.92	19.66		
10	256QAM	1	25	19.67	19.78	19.65	20.7	1.5
10	256QAM	1	49	19.70	19.91	19.60		
10	256QAM	25	0	19.55	19.77	19.55		
10	256QAM	25	12	19.55	19.64	19.49	20.7	1.5
10	256QAM	25	25	19.44	19.61	19.53		
10	256QAM	50	0	19.55	19.62	19.54		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.32	21.36	21.21	22.2	0
5	QPSK	1	12	21.13	21.23	21.12		
5	QPSK	1	24	21.16	21.27	21.15		
5	QPSK	12	0	21.13	21.28	21.14		
5	QPSK	12	7	21.07	21.24	21.17	22.2	0
5	QPSK	12	13	21.09	21.14	21.17		
5	QPSK	25	0	21.18	21.19	21.15		
5	16QAM	1	0	21.02	21.15	21.11		
5	16QAM	1	12	21.14	21.13	21.02	22.2	0
5	16QAM	1	24	21.04	21.14	21.11		
5	16QAM	12	0	21.16	21.05	21.06		
5	16QAM	12	7	20.91	21.12	21.13	22.2	0
5	16QAM	12	13	20.93	21.06	20.99		
5	16QAM	25	0	20.93	21.12	20.83		
5	64QAM	1	0	21.24	21.07	21.12		
5	64QAM	1	12	21.11	21.07	21.02	22.2	0
5	64QAM	1	24	21.19	21.20	21.04		
5	64QAM	12	0	21.06	21.15	21.14		
5	64QAM	12	7	20.91	21.08	21.04	22.2	0
5	64QAM	12	13	21.15	21.09	21.01		
5	64QAM	25	0	20.96	21.20	21.10		
5	256QAM	1	0	19.68	19.92	19.64		
5	256QAM	1	12	19.59	19.72	19.67	20.7	1.5
5	256QAM	1	24	19.68	19.81	19.60		
5	256QAM	12	0	19.58	19.70	19.57		
5	256QAM	12	7	19.55	19.61	19.53	20.7	1.5
5	256QAM	12	13	19.36	19.52	19.50		
5	256QAM	25	0	19.58	19.66	19.56		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2606	2649.5	2693	2636.5	2680		
20	QPSK	1	0	22.22	22.27	22.36	22.19	22.31	22.7	0
20	QPSK	1	49	22.07	22.12	22.23	22.09	22.13		
20	QPSK	1	99	22.09	22.23	22.23	22.12	22.18		
20	QPSK	50	0	22.19	22.20	22.32	22.12	22.19		
20	QPSK	50	24	22.10	22.00	22.20	22.11	22.14		
20	QPSK	50	50	22.05	22.07	22.18	22.18	22.02		
20	QPSK	100	0	22.15	22.13	22.24	22.21	22.19		
20	16QAM	1	0	22.15	22.09	22.22	22.03	22.07		
20	16QAM	1	49	22.06	22.20	22.13	22.08	22.06		
20	16QAM	1	99	22.09	22.15	22.21	22.09	22.16		
20	16QAM	50	0	21.99	22.09	22.08	22.12	21.96		
20	16QAM	50	24	21.96	21.98	22.10	22.14	22.04		
20	16QAM	50	50	21.82	21.88	21.96	22.01	21.88		
20	16QAM	100	0	22.07	21.96	22.14	21.89	22.04		
20	64QAM	1	0	21.96	22.13	22.08	22.14	22.02		
20	64QAM	1	49	22.03	22.04	22.07	22.01	22.01		
20	64QAM	1	99	22.05	22.20	22.20	22.12	22.06		
20	64QAM	50	0	22.10	22.06	22.21	22.13	22.18		
20	64QAM	50	24	22.11	22.04	22.12	22.00	22.10		
20	64QAM	50	50	22.10	22.13	22.15	22.07	22.06		
20	64QAM	100	0	22.11	22.15	22.17	22.16	22.03		
20	256QAM	1	0	20.39	20.25	20.43	20.30	20.30		
20	256QAM	1	49	20.12	20.21	20.25	20.16	20.12		
20	256QAM	1	99	20.23	20.25	20.29	20.19	20.25		
20	256QAM	50	0	20.17	20.16	20.22	20.12	20.10		
20	256QAM	50	24	20.07	20.13	20.17	20.04	20.07		
20	256QAM	50	50	20.00	20.05	20.10	20.02	20.07		
20	256QAM	100	0	20.04	20.12	20.12	20.09	20.02		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2603.5	2648.3	2693	2637.8	2682.5		
15	QPSK	1	0	22.05	22.20	22.32	22.06	22.15	23	0
15	QPSK	1	37	21.98	21.97	22.13	22.03	22.06		
15	QPSK	1	74	22.04	22.14	22.09	22.04	22.05		
15	QPSK	36	0	22.04	22.09	22.17	22.00	22.14		
15	QPSK	36	20	22.02	21.95	22.09	22.05	22.00		
15	QPSK	36	39	21.96	21.98	22.03	22.09	21.98		
15	QPSK	75	0	22.12	21.98	22.13	22.07	22.15		
15	16QAM	1	0	22.00	21.94	22.10	22.00	21.95		
15	16QAM	1	37	21.96	22.13	22.01	21.95	21.98		
15	16QAM	1	74	22.04	22.07	22.07	22.01	22.11		
15	16QAM	36	0	21.85	21.92	21.93	22.03	21.87		
15	16QAM	36	20	21.81	21.84	22.03	22.01	21.92		
15	16QAM	36	39	21.73	21.80	21.81	21.89	21.74		
15	16QAM	75	0	21.92	21.87	22.01	21.76	21.92		
15	64QAM	1	0	21.85	22.06	21.93	22.00	21.96		
15	64QAM	1	37	21.93	21.98	21.91	21.85	21.94		
15	64QAM	1	74	21.99	22.09	22.03	21.97	21.91		
15	64QAM	36	0	21.99	21.94	22.12	22.04	22.10		
15	64QAM	36	20	21.97	21.96	22.09	21.96	22.07		
15	64QAM	36	39	21.97	22.06	22.07	21.95	21.94		
15	64QAM	75	0	22.03	22.05	22.12	22.06	21.98		
15	256QAM	1	0	20.30	20.17	20.35	20.23	20.27		
15	256QAM	1	37	20.03	20.10	20.12	20.10	20.01		
15	256QAM	1	74	20.09	20.21	20.25	20.05	20.14		
15	256QAM	36	0	20.02	20.06	20.17	20.00	19.99		
15	256QAM	36	20	19.93	20.06	20.02	19.96	19.93		
15	256QAM	36	39	19.89	19.99	20.01	19.89	19.94		
15	256QAM	75	0	19.90	20.05	20.06	19.99	19.98		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2601	2647	2693	2639	2685		
10	QPSK	1	0	22.10	22.21	22.24	22.08	22.20	23	0
10	QPSK	1	25	22.01	22.01	22.13	21.99	22.05		
10	QPSK	1	49	21.97	22.12	22.10	21.98	22.05		
10	QPSK	25	0	22.10	22.13	22.21	21.96	22.08		
10	QPSK	25	12	22.06	21.86	22.15	21.96	21.99	22.7	0
10	QPSK	25	25	21.95	21.94	22.13	22.03	21.98		
10	QPSK	50	0	22.02	22.03	22.16	22.10	22.14		
10	16QAM	1	0	22.08	21.98	22.12	21.93	21.91		
10	16QAM	1	25	22.02	22.09	22.03	21.94	22.00		
10	16QAM	1	49	21.98	22.06	22.08	22.03	22.09		
10	16QAM	25	0	21.94	22.01	21.93	22.08	21.91		
10	16QAM	25	12	21.93	21.92	21.94	22.11	21.90		
10	16QAM	25	25	21.70	21.85	21.83	21.85	21.73		
10	16QAM	50	0	21.96	21.87	22.11	21.76	21.98		
10	64QAM	1	0	21.82	22.06	21.95	22.02	21.87		
10	64QAM	1	25	21.97	21.90	22.01	21.96	21.96		
10	64QAM	1	49	21.91	22.12	22.07	22.01	22.02		
10	64QAM	25	0	22.01	21.95	22.15	22.09	22.05		
10	64QAM	25	12	22.08	21.90	22.17	21.85	22.03		
10	64QAM	25	25	22.03	22.10	22.07	21.93	21.94		
10	64QAM	50	0	22.07	22.03	22.12	22.06	21.95		
10	256QAM	1	0	20.29	20.11	20.39	20.22	20.21		
10	256QAM	1	25	19.97	20.17	20.14	20.04	19.98		
10	256QAM	1	49	20.14	20.17	20.15	20.12	20.15		
10	256QAM	25	0	20.09	20.06	20.15	20.04	20.03		
10	256QAM	25	12	20.03	20.00	20.08	19.99	19.96		
10	256QAM	25	25	19.89	19.90	20.05	19.93	19.96		
10	256QAM	50	0	20.00	20.03	20.07	20.05	19.95		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2598.5	2646.8	2693	2640.30	2687.5		
5	QPSK	1	0	22.11	22.15	22.31	22.05	22.25	23	0
5	QPSK	1	12	21.96	21.96	22.15	22.02	21.98		
5	QPSK	1	24	22.03	22.18	22.15	21.99	22.11		
5	QPSK	12	0	22.14	22.11	22.26	22.00	22.07		
5	QPSK	12	7	21.97	21.92	22.09	21.95	22.09	22.7	0
5	QPSK	12	13	21.95	21.91	22.13	22.02	21.99		
5	QPSK	25	0	22.01	22.02	22.16	22.10	22.09		
5	16QAM	1	0	22.02	21.98	22.15	21.92	22.02		
5	16QAM	1	12	22.00	22.10	22.10	21.97	21.97	22.7	0
5	16QAM	1	24	22.00	22.10	22.13	22.05	22.09		
5	16QAM	12	0	21.85	21.94	21.98	22.00	21.83		
5	16QAM	12	7	21.82	21.88	22.05	22.02	21.91	22.7	0
5	16QAM	12	13	21.74	21.81	21.89	21.91	21.75		
5	16QAM	25	0	22.02	21.90	22.05	21.73	21.97		
5	64QAM	1	0	21.88	22.01	21.91	22.10	21.94		
5	64QAM	1	12	21.95	21.89	22.04	21.85	21.86	22.7	0
5	64QAM	1	24	21.93	22.12	22.13	21.98	21.95		
5	64QAM	12	0	22.02	21.93	22.09	22.08	22.13		
5	64QAM	12	7	22.06	21.99	22.16	21.87	22.06	22.7	0
5	64QAM	12	13	22.03	22.01	22.08	21.97	21.94		
5	64QAM	25	0	22.00	22.06	22.03	22.04	21.98		
5	256QAM	1	0	20.33	20.16	20.37	20.26	20.22		
5	256QAM	1	12	19.98	20.12	20.18	20.09	19.98	20.7	2
5	256QAM	1	24	20.12	20.16	20.15	20.12	20.15		
5	256QAM	12	0	20.07	20.04	20.07	19.98	20.01		
5	256QAM	12	7	19.97	20.04	20.11	19.92	19.99	20.7	2
5	256QAM	12	13	19.89	19.99	19.96	19.87	19.93		
5	256QAM	25	0	19.93	20.09	20.00	20.03	19.88		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.85	19.93	19.86	19.79	20.5	0
20	QPSK	1	49	19.72	19.81	19.75	19.61		
20	QPSK	1	99	19.76	19.90	19.75	19.72		
20	QPSK	50	0	19.89	19.92	19.76	19.80		
20	QPSK	50	24	19.67	19.82	19.66	19.83		
20	QPSK	50	50	19.68	19.70	19.78	19.62		
20	QPSK	100	0	19.81	19.90	19.77	19.78		
20	16QAM	1	0	19.61	19.80	19.63	19.74	20.5	0
20	16QAM	1	49	19.78	19.86	19.72	19.60		
20	16QAM	1	99	19.84	19.86	19.74	19.84		
20	16QAM	50	0	19.63	19.73	19.69	19.61	20.5	0
20	16QAM	50	24	19.62	19.74	19.68	19.61		
20	16QAM	50	50	19.53	19.59	19.62	19.63		
20	16QAM	100	0	19.48	19.58	19.44	19.52		
20	64QAM	1	0	19.70	19.84	19.72	19.74	20.5	0
20	64QAM	1	49	19.67	19.74	19.66	19.66		
20	64QAM	1	99	19.64	19.69	19.60	19.63		
20	64QAM	50	0	19.54	19.71	19.58	19.57	20.5	0
20	64QAM	50	24	19.83	19.91	19.81	19.75		
20	64QAM	50	50	19.69	19.67	19.72	19.62		
20	64QAM	100	0	19.56	19.71	19.62	19.55		
20	256QAM	1	0	18.09	18.33	18.19	18.19	19	1.5
20	256QAM	1	49	18.05	18.29	18.04	18.13		
20	256QAM	1	99	18.06	18.23	18.15	18.16		
20	256QAM	50	0	18.12	18.18	18.08	18.03	19	1.5
20	256QAM	50	24	17.99	18.16	18.03	18.06		
20	256QAM	50	50	18.13	18.17	18.01	18.08		
20	256QAM	100	0	17.95	18.08	18.06	18.02		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	19.70	19.80	19.68	19.59	20.5	0
15	QPSK	1	37	19.64	19.76	19.66	19.50		
15	QPSK	1	74	19.66	19.75	19.62	19.58		
15	QPSK	36	0	19.77	19.80	19.68	19.61	20.5	0
15	QPSK	36	20	19.58	19.78	19.50	19.79		
15	QPSK	36	39	19.64	19.66	19.73	19.46		
15	QPSK	75	0	19.73	19.84	19.64	19.65		
15	16QAM	1	0	19.50	19.74	19.56	19.67	20.5	0
15	16QAM	1	37	19.72	19.74	19.63	19.55		
15	16QAM	1	74	19.78	19.79	19.57	19.73		
15	16QAM	36	0	19.54	19.69	19.62	19.53	20.5	0
15	16QAM	36	20	19.46	19.70	19.51	19.50		
15	16QAM	36	39	19.45	19.47	19.53	19.52		
15	16QAM	75	0	19.45	19.49	19.40	19.44		
15	64QAM	1	0	19.66	19.71	19.68	19.69	20.5	0
15	64QAM	1	37	19.63	19.68	19.55	19.56		
15	64QAM	1	74	19.56	19.64	19.47	19.49		
15	64QAM	36	0	19.41	19.60	19.44	19.52	20.5	0
15	64QAM	36	20	19.79	19.85	19.67	19.69		
15	64QAM	36	39	19.56	19.62	19.59	19.46		
15	64QAM	75	0	19.51	19.55	19.49	19.40		
15	256QAM	1	0	17.94	18.21	18.06	18.12	19	1.5
15	256QAM	1	37	17.96	18.24	17.96	18.04		
15	256QAM	1	74	18.00	18.06	18.04	18.05		
15	256QAM	36	0	18.05	18.13	17.92	17.93	19	1.5
15	256QAM	36	20	17.83	18.01	17.97	18.01		
15	256QAM	36	39	18.08	18.08	17.86	17.96		
15	256QAM	75	0	17.87	17.93	18.02	17.92		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	19.67	19.79	19.61	19.59	20.5	0
10	QPSK	1	25	19.65	19.78	19.67	19.47		
10	QPSK	1	49	19.67	19.78	19.67	19.56		
10	QPSK	25	0	19.68	19.83	19.71	19.61	20.5	0
10	QPSK	25	12	19.62	19.68	19.51	19.73		
10	QPSK	25	25	19.55	19.63	19.75	19.47		
10	QPSK	50	0	19.68	19.80	19.50	19.56		
10	16QAM	1	0	19.48	19.76	19.50	19.62	20.5	0
10	16QAM	1	25	19.72	19.81	19.62	19.49		
10	16QAM	1	49	19.77	19.79	19.61	19.80		
10	16QAM	25	0	19.54	19.60	19.53	19.48	20.5	0
10	16QAM	25	12	19.56	19.71	19.52	19.48		
10	16QAM	25	25	19.49	19.46	19.53	19.53		
10	16QAM	50	0	19.31	19.54	19.31	19.45		
10	64QAM	1	0	19.62	19.69	19.63	19.60	20.5	0
10	64QAM	1	25	19.59	19.66	19.61	19.60		
10	64QAM	1	49	19.57	19.64	19.54	19.49		
10	64QAM	25	0	19.43	19.67	19.45	19.40	20.5	0
10	64QAM	25	12	19.77	19.88	19.68	19.64		
10	64QAM	25	25	19.58	19.51	19.60	19.58		
10	64QAM	50	0	19.41	19.68	19.46	19.51		
10	256QAM	1	0	17.93	18.27	18.13	18.10	19	1.5
10	256QAM	1	25	18.00	18.12	17.99	18.02		
10	256QAM	1	49	17.89	18.09	18.08	18.07		
10	256QAM	25	0	18.07	18.11	18.01	17.92	19	1.5
10	256QAM	25	12	17.92	18.00	17.91	18.00		
10	256QAM	25	25	18.06	18.10	17.89	18.03		
10	256QAM	50	0	17.83	17.94	17.97	17.86		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	19.76	19.78	19.73	19.67	20.5	0
5	QPSK	1	12	19.63	19.66	19.65	19.46		
5	QPSK	1	24	19.66	19.74	19.71	19.59		
5	QPSK	12	0	19.68	19.77	19.67	19.63	20.5	0
5	QPSK	12	7	19.50	19.68	19.60	19.76		
5	QPSK	12	13	19.64	19.67	19.73	19.56		
5	QPSK	25	0	19.67	19.79	19.54	19.63		
5	16QAM	1	0	19.53	19.69	19.48	19.58	20.5	0
5	16QAM	1	12	19.69	19.70	19.58	19.53		
5	16QAM	1	24	19.71	19.77	19.66	19.72		
5	16QAM	12	0	19.51	19.68	19.65	19.52	20.5	0
5	16QAM	12	7	19.48	19.60	19.56	19.56		
5	16QAM	12	13	19.48	19.43	19.51	19.55		
5	16QAM	25	0	19.33	19.48	19.30	19.44		
5	64QAM	1	0	19.53	19.79	19.62	19.62	20.5	0
5	64QAM	1	12	19.61	19.59	19.62	19.52		
5	64QAM	1	24	19.55	19.61	19.48	19.54		
5	64QAM	12	0	19.49	19.63	19.54	19.44	20.5	0
5	64QAM	12	7	19.71	19.87	19.72	19.61		
5	64QAM	12	13	19.65	19.60	19.62	19.54		
5	64QAM	25	0	19.41	19.65	19.52	19.41		
5	256QAM	1	0	18.04	18.27	18.03	18.06	19	1.5
5	256QAM	1	12	17.95	18.25	17.93	17.99		
5	256QAM	1	24	17.92	18.13	18.02	18.01		
5	256QAM	12	0	18.08	18.10	18.01	17.99	19	1.5
5	256QAM	12	7	17.87	18.05	17.87	18.02		
5	256QAM	12	13	18.01	18.06	17.96	17.96		
5	256QAM	25	0	17.90	18.05	17.92	17.94		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.24	19.34	19.15	19.17	20.5	0
20	QPSK	1	49	19.19	19.12	19.18	19.06		
20	QPSK	1	99	19.14	19.32	19.13	19.09		
20	QPSK	50	0	19.09	19.31	19.13	19.08	20.5	0
20	QPSK	50	24	18.99	19.27	19.11	19.23		
20	QPSK	50	50	18.98	19.12	19.17	19.04		
20	QPSK	100	0	19.20	19.26	19.08	19.17		
20	16QAM	1	0	19.00	19.14	19.08	19.19	20.5	0
20	16QAM	1	49	19.07	19.25	19.22	19.04		
20	16QAM	1	99	19.22	19.22	19.18	19.21		
20	16QAM	50	0	19.04	19.12	19.15	19.05	20.5	0
20	16QAM	50	24	18.93	19.14	19.03	19.07		
20	16QAM	50	50	18.96	19.01	19.01	19.06		
20	16QAM	100	0	18.91	19.03	18.80	18.99		
20	64QAM	1	0	19.14	19.24	19.13	19.15	20.5	0
20	64QAM	1	49	19.02	19.16	18.97	19.11		
20	64QAM	1	99	19.14	19.18	18.96	19.03		
20	64QAM	50	0	18.11	18.25	18.16	18.09	19.5	1
20	64QAM	50	24	17.98	18.09	18.01	17.90		
20	64QAM	50	50	17.98	18.17	18.06	18.02		
20	64QAM	100	0	18.11	18.12	18.08	18.11		
20	256QAM	1	0	16.31	16.41	16.32	16.23	17.5	3
20	256QAM	1	49	16.15	16.13	16.17	16.15		
20	256QAM	1	99	16.21	16.35	16.19	16.14		
20	256QAM	50	0	16.05	16.15	16.03	15.91	17.5	3
20	256QAM	50	24	16.11	16.05	16.06	15.94		
20	256QAM	50	50	15.95	16.03	15.93	15.91		
20	256QAM	100	0	16.02	16.14	16.01	15.98		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	19.10	19.30	18.99	19.04	20.5	0
15	QPSK	1	37	19.04	19.08	19.13	18.99		
15	QPSK	1	74	19.07	19.25	18.97	19.05		
15	QPSK	36	0	19.00	19.16	19.07	18.95	20.5	0
15	QPSK	36	20	18.92	19.21	18.99	19.15		
15	QPSK	36	39	18.83	19.04	19.13	18.96		
15	QPSK	75	0	19.09	19.18	19.04	19.03		
15	16QAM	1	0	18.86	19.02	18.92	19.02	20.5	0
15	16QAM	1	37	18.97	19.22	19.10	18.93		
15	16QAM	1	74	19.16	19.07	19.11	19.04		
15	16QAM	36	0	18.98	19.02	19.06	18.95	20.5	0
15	16QAM	36	20	18.78	19.10	18.91	18.99		
15	16QAM	36	39	18.86	18.88	18.92	18.91		
15	16QAM	75	0	18.79	18.91	18.75	18.87		
15	64QAM	1	0	19.04	19.18	19.00	19.07	20.5	0
15	64QAM	1	37	18.94	19.02	18.89	19.07		
15	64QAM	1	74	19.00	19.08	18.89	18.88		
15	64QAM	36	0	18.07	18.16	18.02	17.95	19.5	1
15	64QAM	36	20	17.89	17.95	17.95	17.76		
15	64QAM	36	39	17.88	18.03	17.97	17.91		
15	64QAM	75	0	17.99	18.01	17.99	17.98		
15	256QAM	1	0	16.16	16.34	16.22	16.19	17.5	3
15	256QAM	1	37	16.05	15.98	16.04	16.01		
15	256QAM	1	74	16.10	16.31	16.07	16.10		
15	256QAM	36	0	15.91	16.04	15.88	15.88	17.5	3
15	256QAM	36	20	16.06	15.95	15.96	15.90		
15	256QAM	36	39	15.86	15.92	15.86	15.81		
15	256QAM	75	0	15.90	16.05	15.90	15.90		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	19.19	19.25	19.06	19.09	20.5	0
10	QPSK	1	25	19.13	18.98	19.14	18.94		
10	QPSK	1	49	19.03	19.24	19.02	18.98		
10	QPSK	25	0	19.00	19.22	19.02	19.00	20.5	0
10	QPSK	25	12	18.87	19.11	19.07	19.15		
10	QPSK	25	25	18.91	19.07	19.06	18.92		
10	QPSK	50	0	19.16	19.18	18.97	19.13		
10	16QAM	1	0	18.85	19.07	19.03	19.13	20.5	0
10	16QAM	1	25	19.01	19.19	19.18	18.95		
10	16QAM	1	49	19.10	19.19	19.13	19.07		
10	16QAM	25	0	19.01	18.96	19.04	18.89	20.5	0
10	16QAM	25	12	18.87	18.97	18.96	18.92		
10	16QAM	25	25	18.88	18.95	18.92	18.91		
10	16QAM	50	0	18.85	18.89	18.68	18.87		
10	64QAM	1	0	19.06	19.10	19.00	19.06	20.5	0
10	64QAM	1	25	18.95	19.08	18.86	18.99		
10	64QAM	1	49	19.09	19.07	18.81	18.92		
10	64QAM	25	0	18.08	18.13	18.07	18.05	19.5	1
10	64QAM	25	12	17.91	17.96	17.92	17.87		
10	64QAM	25	25	17.85	18.06	18.00	17.97		
10	64QAM	50	0	17.97	17.98	18.04	18.04		
10	256QAM	1	0	16.24	16.30	16.24	16.12	17.5	3
10	256QAM	1	25	16.03	16.02	16.03	16.03		
10	256QAM	1	49	16.12	16.25	16.15	16.02		
10	256QAM	25	0	15.98	16.02	15.89	15.85	17.5	3
10	256QAM	25	12	16.04	15.93	15.94	15.80		
10	256QAM	25	25	15.87	15.92	15.78	15.81		
10	256QAM	50	0	15.94	16.05	15.94	15.87		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3645	3697.5		
5	QPSK	1	0	19.19	19.22	19.04	19.10	20.5	0
5	QPSK	1	12	19.05	19.04	19.12	18.90		
5	QPSK	1	24	18.98	19.27	18.98	19.02		
5	QPSK	12	0	19.01	19.16	19.08	19.02	20.5	0
5	QPSK	12	7	18.86	19.19	18.98	19.16		
5	QPSK	12	13	18.91	18.99	19.05	18.89		
5	QPSK	25	0	19.14	19.12	19.04	19.03		
5	16QAM	1	0	18.89	19.02	18.93	19.05	20.5	0
5	16QAM	1	12	19.01	19.09	19.08	18.93		
5	16QAM	1	24	19.11	19.11	19.10	19.06		
5	16QAM	12	0	18.98	19.06	19.12	18.95	20.5	0
5	16QAM	12	7	18.84	19.11	18.95	18.94		
5	16QAM	12	13	18.84	18.96	18.97	18.98		
5	16QAM	25	0	18.87	18.89	18.76	18.89		
5	64QAM	1	0	19.07	19.17	19.06	19.10	20.5	0
5	64QAM	1	12	18.91	19.12	18.93	19.04		
5	64QAM	1	24	19.04	19.04	18.84	18.92		
5	64QAM	12	0	17.97	18.19	18.05	18.05	19.5	1
5	64QAM	12	7	17.92	17.95	17.95	17.81		
5	64QAM	12	13	17.93	18.07	18.02	17.98		
5	64QAM	25	0	18.03	18.01	17.94	17.99		
5	256QAM	1	0	16.23	16.37	16.28	16.14	17.5	3
5	256QAM	1	12	16.05	16.01	16.11	16.11		
5	256QAM	1	24	16.13	16.23	16.05	16.02		
5	256QAM	12	0	15.99	16.02	15.91	15.81	17.5	3
5	256QAM	12	7	15.99	16.02	16.01	15.82		
5	256QAM	12	13	15.92	15.89	15.86	15.81		
5	256QAM	25	0	15.96	16.08	15.88	15.91		

Band 48 Ant7 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3680	3609	3641	3690		
20	QPSK	1	0	21.31	21.36	21.34	21.27	22.5	0
20	QPSK	1	49	21.22	21.25	21.16	21.29		
20	QPSK	1	99	21.24	21.35	21.19	21.15		
20	QPSK	50	0	20.27	20.33	20.19	20.08	21.5	1
20	QPSK	50	24	20.21	20.21	20.08	20.05		
20	QPSK	50	50	20.23	20.30	20.18	20.19		
20	QPSK	100	0	20.15	20.36	20.26	20.21		
20	16QAM	1	0	19.98	20.24	20.09	20.01	21.5	1
20	16QAM	1	49	19.98	20.14	20.10	19.96		
20	16QAM	1	99	20.12	20.19	20.08	20.10		
20	16QAM	50	0	19.12	19.23	19.22	19.11	20.5	2
20	16QAM	50	24	19.17	19.23	19.07	19.03		
20	16QAM	50	50	19.16	19.21	19.14	19.01		
20	16QAM	100	0	19.21	19.24	19.24	19.15		
20	64QAM	1	0	19.07	19.29	19.12	18.98	20.5	2
20	64QAM	1	49	18.99	19.11	19.14	19.07		
20	64QAM	1	99	19.10	19.26	19.02	18.98		
20	64QAM	50	0	18.22	18.34	18.31	18.15	19.5	3
20	64QAM	50	24	18.05	18.17	18.07	18.03		
20	64QAM	50	50	18.10	18.31	18.23	18.14		
20	64QAM	100	0	18.22	18.21	18.20	18.18		
20	256QAM	1	0	16.43	16.54	16.40	16.36	17.5	5
20	256QAM	1	49	16.27	16.20	16.32	16.32		
20	256QAM	1	99	16.34	16.51	16.30	16.31		
20	256QAM	50	0	16.11	16.20	16.18	16.00	17.5	5
20	256QAM	50	24	16.22	16.11	16.15	16.11		
20	256QAM	50	50	16.04	16.11	16.00	16.08		
20	256QAM	100	0	16.18	16.25	16.15	16.14		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.21	21.28	21.20	21.16	22.5	0
15	QPSK	1	37	21.14	21.11	21.07	21.24		
15	QPSK	1	74	21.12	21.22	21.08	21.02		
15	QPSK	36	0	20.18	20.18	20.11	19.99	21.5	1
15	QPSK	36	20	20.14	20.13	20.04	19.91		
15	QPSK	36	39	20.14	20.16	20.11	20.09		
15	QPSK	75	0	20.03	20.25	20.17	20.10		
15	16QAM	1	0	19.94	20.13	20.00	19.87	21.5	1
15	16QAM	1	37	19.89	20.01	20.03	19.89		
15	16QAM	1	74	19.99	20.07	19.99	19.98		
15	16QAM	36	0	19.08	19.09	19.17	19.04	20.5	2
15	16QAM	36	20	19.02	19.19	18.93	18.99		
15	16QAM	36	39	19.03	19.13	19.00	18.87		
15	16QAM	75	0	19.11	19.15	19.20	19.10		
15	64QAM	1	0	18.92	19.15	18.98	18.88	20.5	2
15	64QAM	1	37	18.94	19.04	19.05	18.97		
15	64QAM	1	74	19.00	19.13	18.95	18.91		
15	64QAM	36	0	18.14	18.19	18.21	18.08	19.5	3
15	64QAM	36	20	17.97	18.14	17.96	17.94		
15	64QAM	36	39	18.00	18.17	18.13	18.09		
15	64QAM	75	0	18.09	18.13	18.13	18.06		
15	256QAM	1	0	16.36	16.40	16.34	16.30	17.5	5
15	256QAM	1	37	16.23	16.15	16.20	16.24		
15	256QAM	1	74	16.27	16.36	16.21	16.20		
15	256QAM	36	0	16.02	16.07	16.11	15.93	17.5	5
15	256QAM	36	20	16.14	16.01	16.03	16.03		
15	256QAM	36	39	16.00	16.03	15.89	15.95		
15	256QAM	75	0	16.07	16.14	16.07	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.27	21.32	21.23	21.22	22.5	0
10	QPSK	1	25	21.09	21.20	21.10	21.21		
10	QPSK	1	49	21.13	21.22	21.15	21.10		
10	QPSK	25	0	20.20	20.24	20.10	19.93	21.5	1
10	QPSK	25	12	20.18	20.16	19.94	19.94		
10	QPSK	25	25	20.09	20.22	20.12	20.11		
10	QPSK	50	0	20.09	20.27	20.22	20.11		
10	16QAM	1	0	19.91	20.12	19.99	19.94	21.5	1
10	16QAM	1	25	19.86	20.02	20.05	19.87		
10	16QAM	1	49	20.03	20.15	20.03	19.99		
10	16QAM	25	0	19.02	19.17	19.16	18.99	20.5	2
10	16QAM	25	12	19.12	19.11	18.94	19.00		
10	16QAM	25	25	19.03	19.08	19.07	18.89		
10	16QAM	50	0	19.14	19.13	19.12	19.07		
10	64QAM	1	0	18.92	19.16	19.08	18.85	20.5	2
10	64QAM	1	25	18.92	19.00	19.10	18.98		
10	64QAM	1	49	19.02	19.17	18.91	18.87		
10	64QAM	25	0	18.08	18.23	18.24	18.09	19.5	3
10	64QAM	25	12	17.95	18.09	17.92	17.93		
10	64QAM	25	25	18.05	18.24	18.18	18.03		
10	64QAM	50	0	18.12	18.07	18.15	18.06		
10	256QAM	1	0	16.35	16.48	16.30	16.33	17.5	5
10	256QAM	1	25	16.24	16.06	16.29	16.18		
10	256QAM	1	49	16.26	16.46	16.25	16.17		
10	256QAM	25	0	15.97	16.15	16.06	15.93	17.5	5
10	256QAM	25	12	16.16	16.02	16.04	16.03		
10	256QAM	25	25	16.00	16.03	15.93	15.98		
10	256QAM	50	0	16.12	16.19	16.11	16.02		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3645	3697.5		
5	QPSK	1	0	21.19	21.28	21.25	21.24	22.5	0
5	QPSK	1	12	21.12	21.17	21.03	21.25		
5	QPSK	1	24	21.16	21.28	21.09	21.04		
5	QPSK	12	0	20.20	20.24	20.14	19.93	21.5	1
5	QPSK	12	7	20.06	20.07	19.93	19.96		
5	QPSK	12	13	20.18	20.26	20.10	20.15		
5	QPSK	25	0	20.11	20.25	20.12	20.08		
5	16QAM	1	0	19.86	20.15	20.04	19.91	21.5	1
5	16QAM	1	12	19.84	20.01	19.98	19.90		
5	16QAM	1	24	20.08	20.05	20.04	20.06		
5	16QAM	12	0	19.05	19.18	19.15	19.06	20.5	2
5	16QAM	12	7	19.03	19.19	19.04	18.96		
5	16QAM	12	13	19.01	19.11	19.06	18.86		
5	16QAM	25	0	19.12	19.18	19.09	19.10		
5	64QAM	1	0	19.03	19.23	19.04	18.87	20.5	2
5	64QAM	1	12	18.92	19.02	19.00	18.96		
5	64QAM	1	24	19.01	19.14	18.96	18.83		
5	64QAM	12	0	18.14	18.21	18.19	18.01	19.5	3
5	64QAM	12	7	18.01	18.06	18.01	17.99		
5	64QAM	12	13	18.00	18.28	18.12	18.09		
5	64QAM	25	0	18.16	18.15	18.12	18.08		
5	256QAM	1	0	16.28	16.44	16.32	16.33	17.5	5
5	256QAM	1	12	16.20	16.17	16.29	16.19		
5	256QAM	1	24	16.23	16.46	16.25	16.26		
5	256QAM	12	0	16.02	16.16	16.15	15.86	17.5	5
5	256QAM	12	7	16.12	15.99	16.06	16.02		
5	256QAM	12	13	15.92	15.97	15.95	15.94		
5	256QAM	25	0	16.06	16.15	16.07	16.11		

Band 48 Ant8 DSI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3690		
20	QPSK	1	0	21.29	21.40	21.36	21.25	22.5	0
20	QPSK	1	49	21.17	21.25	21.13	21.30		
20	QPSK	1	99	21.15	21.34	21.13	21.12		
20	QPSK	50	0	20.19	20.38	20.21	20.04	21.5	1
20	QPSK	50	24	20.13	20.18	19.98	20.06		
20	QPSK	50	50	20.13	20.32	20.18	20.09		
20	QPSK	100	0	20.13	20.38	20.28	20.20		
20	16QAM	1	0	19.96	20.21	20.03	19.89	21.5	1
20	16QAM	1	49	19.92	20.04	20.13	19.94		
20	16QAM	1	99	20.00	20.15	20.04	20.04		
20	16QAM	50	0	19.05	19.18	19.17	19.15	20.5	2
20	16QAM	50	24	19.24	19.14	19.07	19.01		
20	16QAM	50	50	19.10	19.23	19.14	19.04		
20	16QAM	100	0	19.22	19.19	19.18	19.15		
20	64QAM	1	0	19.09	19.24	19.19	18.88	20.5	2
20	64QAM	1	49	19.06	19.02	19.15	19.09		
20	64QAM	1	99	19.05	19.19	18.92	19.02		
20	64QAM	50	0	18.18	18.34	18.33	18.08	19.5	3
20	64QAM	50	24	17.95	18.10	18.00	17.98		
20	64QAM	50	50	18.00	18.28	18.24	18.18		
20	64QAM	100	0	18.17	18.15	18.15	18.14		
20	256QAM	1	0	16.46	16.53	16.40	16.41	17.5	5
20	256QAM	1	49	16.23	16.10	16.31	16.25		
20	256QAM	1	99	16.27	16.51	16.25	16.23		
20	256QAM	50	0	16.11	16.10	16.07	15.89	17.5	5
20	256QAM	50	24	16.24	16.15	16.07	16.03		
20	256QAM	50	50	15.99	16.08	16.08	15.95		
20	256QAM	100	0	16.13	16.21	16.03	16.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	21.31	21.32	21.34	21.22	22.5	0
15	QPSK	1	37	21.09	21.26	21.08	21.30		
15	QPSK	1	74	21.23	21.25	21.21	21.15		
15	QPSK	36	0	20.22	20.32	20.20	20.01	21.5	1
15	QPSK	36	20	20.16	20.20	20.02	20.01		
15	QPSK	36	39	20.16	20.31	20.19	20.12		
15	QPSK	75	0	20.07	20.30	20.28	20.16		
15	16QAM	1	0	19.98	20.20	20.07	19.87	21.5	1
15	16QAM	1	37	19.90	20.05	20.12	19.93		
15	16QAM	1	74	20.05	20.25	20.06	20.01		
15	16QAM	36	0	19.08	19.25	19.22	19.12	20.5	2
15	16QAM	36	20	19.15	19.20	19.10	18.90		
15	16QAM	36	39	19.06	19.17	19.04	18.98		
15	16QAM	75	0	19.12	19.20	19.21	19.08		
15	64QAM	1	0	19.15	19.34	19.16	18.95	20.5	2
15	64QAM	1	37	19.05	19.12	19.18	19.06		
15	64QAM	1	74	19.07	19.17	18.91	19.02		
15	64QAM	36	0	18.22	18.39	18.31	18.13	19.5	3
15	64QAM	36	20	17.93	18.07	17.99	17.97		
15	64QAM	36	39	18.10	18.33	18.21	18.18		
15	64QAM	75	0	18.13	18.18	18.06	18.14		
15	256QAM	1	0	16.43	16.47	16.43	16.32	17.5	5
15	256QAM	1	37	16.23	16.08	16.27	16.27		
15	256QAM	1	74	16.32	16.41	16.24	16.25		
15	256QAM	36	0	16.03	16.12	16.11	15.96	17.5	5
15	256QAM	36	20	16.19	16.08	16.08	16.00		
15	256QAM	36	39	16.03	16.06	16.06	15.96		
15	256QAM	75	0	16.13	16.20	16.05	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3695		
10	QPSK	1	0	21.25	21.34	21.28	21.19	22.5	0
10	QPSK	1	25	21.16	21.19	21.06	21.32		
10	QPSK	1	49	21.17	21.31	21.11	21.13		
10	QPSK	25	0	20.17	20.30	20.21	20.03	21.5	1
10	QPSK	25	12	20.19	20.21	20.06	20.05		
10	QPSK	25	25	20.16	20.31	20.20	20.10		
10	QPSK	50	0	20.13	20.34	20.29	20.15		
10	16QAM	1	0	19.97	20.26	20.08	19.97	21.5	1
10	16QAM	1	25	19.87	20.12	20.04	19.89		
10	16QAM	1	49	20.06	20.17	19.97	20.03		
10	16QAM	25	0	19.08	19.20	19.24	19.10	20.5	2
10	16QAM	25	12	19.17	19.17	19.07	18.96		
10	16QAM	25	25	19.06	19.14	19.05	19.07		
10	16QAM	50	0	19.15	19.25	19.18	19.11		
10	64QAM	1	0	19.11	19.35	19.17	18.90	20.5	2
10	64QAM	1	25	19.00	19.10	19.17	19.03		
10	64QAM	1	49	19.03	19.25	18.91	18.91		
10	64QAM	25	0	18.24	18.40	18.31	18.09	19.5	3
10	64QAM	25	12	17.91	18.08	17.97	17.99		
10	64QAM	25	25	18.05	18.28	18.26	18.17		
10	64QAM	50	0	18.13	18.14	18.14	18.19		
10	256QAM	1	0	16.44	16.51	16.43	16.35	17.5	5
10	256QAM	1	25	16.31	16.08	16.27	16.22		
10	256QAM	1	49	16.23	16.40	16.34	16.28		
10	256QAM	25	0	16.02	16.09	16.11	15.99	17.5	5
10	256QAM	25	12	16.21	16.05	16.04	15.98		
10	256QAM	25	25	15.97	16.07	16.06	16.00		
10	256QAM	50	0	16.14	16.23	16.10	16.11		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3645	3697.5		
5	QPSK	1	0	21.14	21.34	21.29	21.20	22.5	0
5	QPSK	1	12	21.10	21.14	21.00	21.23		
5	QPSK	1	24	21.10	21.22	21.03	21.04		
5	QPSK	12	0	20.15	20.26	20.08	19.92	21.5	1
5	QPSK	12	7	20.07	20.08	19.85	19.94		
5	QPSK	12	13	20.08	20.18	20.08	19.95		
5	QPSK	25	0	20.04	20.33	20.17	20.07		
5	16QAM	1	0	19.93	20.13	19.96	19.82	21.5	1
5	16QAM	1	12	19.78	19.90	20.09	19.82		
5	16QAM	1	24	19.93	20.07	19.92	19.91		
5	16QAM	12	0	18.96	19.12	19.11	19.03	20.5	2
5	16QAM	12	7	19.16	19.11	19.02	18.95		
5	16QAM	12	13	19.01	19.09	19.05	18.94		
5	16QAM	25	0	19.10	19.10	19.07	19.07		
5	64QAM	1	0	19.04	19.20	19.15	18.75	20.5	2
5	64QAM	1	12	18.93	18.95	19.03	19.04		
5	64QAM	1	24	18.92	19.14	18.80	18.97		
5	64QAM	12	0	18.09	18.24	18.22	18.02	19.5	3
5	64QAM	12	7	17.85	17.99	17.93	17.91		
5	64QAM	12	13	17.91	18.13	18.19	18.08		
5	64QAM	25	0	18.07	18.05	18.09	18.03		
5	256QAM	1	0	16.41	16.39	16.35	16.37	17.5	5
5	256QAM	1	12	16.18	16.02	16.25	16.12		
5	256QAM	1	24	16.21	16.37	16.11	16.19		
5	256QAM	12	0	15.99	16.03	16.00	15.83	17.5	5
5	256QAM	12	7	16.21	16.12	15.96	15.97		
5	256QAM	12	13	15.87	16.04	16.01	15.87		
5	256QAM	25	0	15.99	16.11	15.89	16.14		

Reduced Power Mode for Main PA ECI3

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.92	33.10	33.04	34.00	23.92	24.10	24.04	25.00
GPRS 1 Tx slot	32.95	33.13	33.08	34.00	23.95	24.13	24.06	25.00
GPRS 2 Tx slots	30.01	30.11	30.08	31.00	24.01	24.11	24.08	25.00
GPRS 3 Tx slots	28.27	28.31	28.17	29.00	24.01	24.05	23.91	24.74
GPRS 4 Tx slots	27.07	27.15	27.04	28.00	24.07	24.15	24.04	25.00
EDGE 1 Tx slot	27.19	27.32	27.29	28.00	18.19	18.32	18.29	19.00
EDGE 2 Tx slots	24.39	24.45	24.32	25.00	18.39	18.45	18.32	19.00
EDGE 3 Tx slots	22.60	22.71	22.57	23.50	18.34	18.45	18.31	19.24
EDGE 4 Tx slots	21.36	21.44	21.33	22.50	18.36	18.44	18.33	19.50

WCDMA V Ant0 Default

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.34	24.35	24.28	25.00
3GPP Rel 99	RMC 12.2Kbps	24.37	24.42	24.34	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.45	23.49	24.00
3GPP Rel 6	HSDPA Subtest-2	23.47	23.43	23.42	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	23.05	23.02	23.50
3GPP Rel 6	HSDPA Subtest-4	22.90	22.88	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.40	23.52	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.36	23.50	23.27	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.79	22.86	22.85	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.78	22.93	22.86	23.50
3GPP Rel 6	HSUPA Subtest-1	23.22	23.37	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.40	21.45	21.43	22.00
3GPP Rel 6	HSUPA Subtest-3	22.41	22.58	22.47	23.00
3GPP Rel 6	HSUPA Subtest-4	21.39	21.39	21.33	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.51	23.37	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	21.09	21.05	21.50

Band 5 Ant0 Default

BW [MHz]	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	25.28	25.35	25.31	25.7	0
10	QPSK	1	25	25.21	25.27	25.18		
10	QPSK	1	49	25.19	25.33	25.29		
10	QPSK	25	0	24.15	24.28	24.22	24.7	1
10	QPSK	25	12	24.10	24.23	24.12		
10	QPSK	25	25	24.20	24.25	24.18		
10	QPSK	50	0	24.08	24.19	24.15		
10	16QAM	1	0	24.00	24.14	24.01	24.7	1
10	16QAM	1	25	24.01	24.10	24.00		
10	16QAM	1	49	23.97	24.05	23.94		
10	16QAM	25	0	23.16	23.26	23.22	23.7	2
10	16QAM	25	12	23.10	23.22	23.09		
10	16QAM	25	25	23.12	23.20	23.14		
10	16QAM	50	0	23.15	23.24	23.17		
10	64QAM	1	0	23.40	23.50	23.36	23.7	2
10	64QAM	1	25	23.31	23.43	23.40		
10	64QAM	1	49	23.44	23.49	23.38		
10	64QAM	25	0	22.16	22.25	22.22	22.7	3
10	64QAM	25	12	22.07	22.19	22.08		
10	64QAM	25	25	22.15	22.23	22.09		
10	64QAM	50	0	22.13	22.25	22.17		
10	256QAM	1	0	20.34	20.44	20.31	20.7	5
10	256QAM	1	25	20.26	20.29	20.24		
10	256QAM	1	49	20.28	20.38	20.29		
10	256QAM	25	0	20.17	20.25	20.12	20.7	5
10	256QAM	25	12	20.12	20.19	20.13		
10	256QAM	25	25	20.05	20.16	20.12		
10	256QAM	50	0	20.11	20.21	20.16		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.15	25.27	25.22	25.7	0
5	QPSK	1	12	25.17	25.14	25.15		
5	QPSK	1	24	25.05	25.29	25.20		
5	QPSK	12	0	24.11	24.23	24.18	24.7	1
5	QPSK	12	7	24.07	24.16	24.04		
5	QPSK	12	13	24.16	24.18	24.14		
5	QPSK	25	0	23.95	24.15	24.01		
5	16QAM	1	0	23.96	24.00	23.87	24.7	1
5	16QAM	1	12	23.87	24.04	23.89		
5	16QAM	1	24	23.87	23.93	23.90		
5	16QAM	12	0	23.12	23.22	23.13	23.7	2
5	16QAM	12	7	22.99	23.10	22.98		
5	16QAM	12	13	23.00	23.07	23.06		
5	16QAM	25	0	23.12	23.18	23.02		
5	64QAM	1	0	23.35	23.45	23.24	23.7	2
5	64QAM	1	12	23.18	23.30	23.28		
5	64QAM	1	24	23.34	23.39	23.31		
5	64QAM	12	0	22.03	22.10	22.09	22.7	3
5	64QAM	12	7	22.04	22.14	22.00		
5	64QAM	12	13	22.03	22.15	21.97		
5	64QAM	25	0	22.10	22.21	22.09		
5	256QAM	1	0	20.21	20.40	20.27	20.7	5
5	256QAM	1	12	20.11	20.25	20.18		
5	256QAM	1	24	20.19	20.32	20.25		
5	256QAM	12	0	20.08	20.15	20.03	20.7	5
5	256QAM	12	7	20.06	20.15	20.06		
5	256QAM	12	13	19.99	20.12	20.08		
5	256QAM	25	0	20.07	20.18	20.12		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.13	25.28	25.21	25.7	0
3	QPSK	1	8	25.15	25.22	25.10		
3	QPSK	1	14	25.08	25.22	25.18		
3	QPSK	8	0	24.04	24.16	24.12	24.7	1
3	QPSK	8	4	23.96	24.16	24.02		
3	QPSK	8	7	24.10	24.15	24.11		
3	QPSK	15	0	24.00	24.08	24.11		
3	16QAM	1	0	23.92	24.04	23.97	24.7	1
3	16QAM	1	8	23.98	23.96	23.87		
3	16QAM	1	14	23.91	23.96	23.88		
3	16QAM	8	0	23.11	23.19	23.17	23.7	2
3	16QAM	8	4	23.04	23.19	23.03		
3	16QAM	8	7	23.03	23.09	23.06		
3	16QAM	15	0	23.03	23.11	23.06		
3	64QAM	1	0	23.27	23.44	23.32	23.7	2
3	64QAM	1	8	23.22	23.38	23.32		
3	64QAM	1	14	23.31	23.34	23.23		
3	64QAM	8	0	22.02	22.22	22.18	22.7	3
3	64QAM	8	4	22.00	22.15	22.02		
3	64QAM	8	7	22.11	22.09	21.97		
3	64QAM	15	0	22.06	22.15	22.12		
3	256QAM	1	0	20.29	20.33	20.16	20.7	5
3	256QAM	1	8	20.18	20.19	20.17		
3	256QAM	1	14	20.16	20.35	20.25		
3	256QAM	8	0	20.13	20.12	20.00	20.7	5
3	256QAM	8	4	20.00	20.10	19.98		
3	256QAM	8	7	19.95	20.05	19.98		
3	256QAM	15	0	20.01	20.15	20.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.23	25.29	25.18	25.7	0
1.4	QPSK	1	3	25.13	25.21	25.04		
1.4	QPSK	1	5	25.16	25.27	25.24		
1.4	QPSK	3	0	25.22	25.23	25.20		
1.4	QPSK	3	1	25.17	25.24	25.15		
1.4	QPSK	3	3	25.05	25.26	25.25		
1.4	QPSK	6	0	24.06	24.14	24.17	24.7	1
1.4	16QAM	1	0	23.95	24.10	24.01	24.7	1
1.4	16QAM	1	3	24.15	24.13	24.11		
1.4	16QAM	1	5	23.99	24.13	24.05		
1.4	16QAM	3	0	23.89	24.02	23.93		
1.4	16QAM	3	1	23.89	24.00	23.92		
1.4	16QAM	3	3	23.84	24.01	23.83		
1.4	16QAM	6	0	23.12	23.13	23.14	23.7	2
1.4	64QAM	1	0	22.96	23.18	22.96	23.7	2
1.4	64QAM	1	3	22.97	23.10	23.10		
1.4	64QAM	1	5	23.12	23.09	23.12		
1.4	64QAM	3	0	23.26	23.36	23.31		
1.4	64QAM	3	1	23.22	23.35	23.36		
1.4	64QAM	3	3	23.31	23.35	23.23		
1.4	64QAM	6	0	22.04	22.22	22.07	22.7	3
1.4	256QAM	1	0	20.21	20.40	20.16	20.7	5
1.4	256QAM	1	3	20.13	20.21	20.17		
1.4	256QAM	1	5	20.16	20.34	20.16		
1.4	256QAM	3	0	20.03	20.22	19.98		
1.4	256QAM	3	1	20.06	20.16	20.00		
1.4	256QAM	3	3	19.98	20.04	20.05		
1.4	256QAM	6	0	19.96	20.13	20.03	20.7	5

GSM850 Ant1 Default

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.12	33.25	33.23	34.50	24.12	24.25	24.23	25.50
GPRS 1 Tx slot	33.14	33.27	33.26	34.50	24.14	24.27	24.26	25.50
GPRS 2 Tx slots	30.14	30.29	30.15	31.50	24.14	24.29	24.15	25.50
GPRS 3 Tx slots	28.39	28.49	28.42	29.50	24.13	24.23	24.16	25.24
GPRS 4 Tx slots	27.26	27.35	27.24	28.50	24.26	24.35	24.24	25.50
EDGE 1 Tx slot	27.41	27.48	27.41	28.50	18.41	18.48	18.41	19.50
EDGE 2 Tx slots	24.60	24.65	24.57	25.50	18.60	18.65	18.57	19.50
EDGE 3 Tx slots	22.78	22.86	22.80	23.50	18.52	18.60	18.54	19.24
EDGE 4 Tx slots	21.51	21.64	21.54	22.50	18.51	18.64	18.54	19.50

GSM1900 Ant1 ECI3

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	26.60	26.78	26.47	28.50	17.60	17.78	17.47	19.50
GPRS 1 Tx slot	26.66	26.84	26.45	28.50	17.66	17.84	17.45	19.50
GPRS 2 Tx slots	23.62	23.79	23.37	25.50	17.62	17.79	17.37	19.50
GPRS 3 Tx slots	21.93	22.08	21.64	23.50	17.67	17.82	17.38	19.24
GPRS 4 Tx slots	20.69	20.86	20.44	22.50	17.69	17.86	17.44	19.50
EDGE 1 Tx slot	23.10	23.34	23.19	24.50	14.10	14.34	14.19	15.50
EDGE 2 Tx slots	19.85	20.20	19.97	21.50	13.85	14.20	13.97	15.50
EDGE 3 Tx slots	17.67	18.07	17.87	19.50	13.41	13.81	13.61	15.24
EDGE 4 Tx slots	16.03	16.30	16.27	17.50	13.03	13.30	13.27	14.50

		WCDMA II Ant1 ECI3				WCDMA IV Ant1 ECI3				WCDMA V Ant1 Default			
Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	20.46	20.45	20.37	22.00	20.91	20.96	20.99	22.50	24.07	24.19	24.13	25.50
3GPP Rel 99	RMC 12.2Kbps	20.45	20.54	20.46	22.00	21.05	21.13	21.04	22.50	24.12	24.22	24.14	25.50
3GPP Rel 6	HSDPA Subtest-1	19.24	19.34	19.39	21.00	19.79	19.90	19.90	21.50	23.06	23.17	23.10	24.50
3GPP Rel 6	HSDPA Subtest-2	19.30	19.36	19.23	21.00	19.91	19.93	19.80	21.50	23.11	23.07	23.07	24.50
3GPP Rel 6	HSDPA Subtest-3	18.80	18.95	18.73	20.50	19.34	19.50	19.39	21.00	22.57	22.65	22.60	24.00
3GPP Rel 6	HSDPA Subtest-4	18.74	18.77	18.93	20.50	19.30	19.39	19.38	21.00	22.56	22.63	22.59	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	19.23	19.27	19.45	21.00	19.85	19.85	19.91	21.50	23.03	23.08	23.14	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	19.19	19.31	19.34	21.00	19.76	19.94	19.88	21.50	22.98	23.04	23.08	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	18.72	18.87	18.71	20.50	19.32	19.49	19.35	21.00	22.44	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	18.63	18.70	18.71	20.50	19.30	19.43	19.29	21.00	22.46	22.59	22.50	24.00
3GPP Rel 6	HSUPA Subtest-1	19.08	19.19	19.28	21.00	19.73	19.75	19.81	21.50	22.92	23.01	23.01	24.50
3GPP Rel 6	HSUPA Subtest-2	17.25	17.29	17.37	19.00	17.87	17.91	17.91	19.50	21.08	21.14	21.15	22.50
3GPP Rel 6	HSUPA Subtest-3	18.36	18.36	18.48	20.00	18.99	19.08	19.03	20.50	22.15	22.21	22.21	23.50
3GPP Rel 6	HSUPA Subtest-4	17.32	17.33	17.21	19.00	17.95	17.88	17.78	19.50	21.10	21.06	20.99	22.50
3GPP Rel 6	HSUPA Subtest-5	19.15	19.31	19.35	21.00	19.84	19.95	19.94	21.50	23.00	23.10	23.04	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	16.96	16.85	16.98	18.50	17.47	17.43	17.52	19.00	20.68	20.71	20.73	22.00

Band 2 Ant1 ECI3

BW [MHz]	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	21.35	21.42	21.39		
20	QPSK	1	49	21.25	21.31	21.26	22.5	0
20	QPSK	1	99	21.26	21.34	21.36		
20	QPSK	50	0	21.35	21.40	21.26		
20	QPSK	50	24	21.26	21.39	21.38	22.5	0
20	QPSK	50	50	21.33	21.30	21.33		
20	QPSK	100	0	21.35	21.38	21.35		
20	16QAM	1	0	21.25	21.39	21.31		
20	16QAM	1	49	21.28	21.36	21.40	22.5	0
20	16QAM	1	99	21.34	21.34	21.33		
20	16QAM	50	0	21.35	21.36	21.37		
20	16QAM	50	24	21.28	21.29	21.31	22.5	0
20	16QAM	50	50	21.30	21.34	21.32		
20	16QAM	100	0	21.35	21.35	21.35		
20	64QAM	1	0	21.27	21.29	21.30		
20	64QAM	1	49	21.26	21.28	21.28	22.5	0
20	64QAM	1	99	21.25	21.35	21.38		
20	64QAM	50	0	21.25	21.37	21.38		
20	64QAM	50	24	21.33	21.37	21.39	22.5	0
20	64QAM	50	50	21.25	21.30	21.38		
20	64QAM	100	0	21.35	21.29	21.30		
20	256QAM	1	0	19.33	19.37	19.38		
20	256QAM	1	49	19.29	19.37	19.24	20.5	2
20	256QAM	1	99	19.37	19.48	19.28		
20	256QAM	50	0	19.23	19.37	19.02		
20	256QAM	50	24	19.09	19.20	19.18	20.5	2
20	256QAM	50	50	19.08	19.16	19.15		
20	256QAM	100	0	19.06	19.20	19.28		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.30	21.18	21.28		
15	QPSK	1	37	21.15	21.17	21.11	22.5	0
15	QPSK	1	74	21.15	21.24	21.29		
15	QPSK	36	0	21.23	21.31	21.16		
15	QPSK	36	20	21.16	21.32	21.28	22.5	0
15	QPSK	36	39	21.23	21.15	21.16		
15	QPSK	75	0	21.21	21.19	21.25		
15	16QAM	1	0	21.10	21.34	21.14		
15	16QAM	1	37	21.22	21.28	21.31	22.5	0
15	16QAM	1	74	21.26	21.28	21.23		
15	16QAM	36	0	21.19	21.26	21.24		
15	16QAM	36	20	21.24	21.18	21.22	22.5	0
15	16QAM	36	39	21.26	21.22	21.21		
15	16QAM	75	0	21.29	21.20	21.34		
15	64QAM	1	0	21.10	21.22	21.17		
15	64QAM	1	37	21.22	21.16	21.18	22.5	0
15	64QAM	1	74	21.22	21.39	21.26		
15	64QAM	36	0	21.15	21.23	21.32		
15	64QAM	36	20	21.28	21.32	21.26	22.5	0
15	64QAM	36	39	21.10	21.26	21.26		
15	64QAM	75	0	21.21	21.17	21.26		
15	256QAM	1	0	19.25	19.24	19.29		
15	256QAM	1	37	19.16	19.28	19.20	20.5	2
15	256QAM	1	74	19.22	19.40	19.16		
15	256QAM	36	0	19.11	19.22	18.89		
15	256QAM	36	20	18.93	19.11	19.04	20.5	2
15	256QAM	36	39	18.97	19.04	19.02		
15	256QAM	75	0	18.95	19.11	19.17		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.27	21.10	21.25		
10	QPSK	1	25	21.21	21.18	21.11	22.5	0
10	QPSK	1	49	21.21	21.18	21.27		
10	QPSK	25	0	21.30	21.26	21.20		
10	QPSK	25	12	21.10	21.27	21.34	22.5	0
10	QPSK	25	25	21.20	21.18	21.27		
10	QPSK	50	0	21.23	21.22	21.27		
10	16QAM	1	0	21.11	21.24	21.21		
10	16QAM	1	25	21.22	21.21	21.27	22.5	0
10	16QAM	1	49	21.17	21.21	21.22		
10	16QAM	25	0	21.30	21.27	21.24		
10	16QAM	25	12	21.17	21.24	21.17	22.5	0
10	16QAM	25	25	21.18	21.26	21.23		
10	16QAM	50	0	21.31	21.25	21.33		
10	64QAM	1	0	21.17	21.19	21.25		
10	64QAM	1	25	21.18	21.15	21.13	22.5	0
10	64QAM	1	49	21.22	21.28	21.21		
10	64QAM	25	0	21.09	21.30	21.25		
10	64QAM	25	12	21.29	21.32	21.30	22.5	0
10	64QAM	25	25	21.10	21.22	21.23		
10	64QAM	50	0	21.32	21.19	21.14		
10	256QAM	1	0	19.17	19.22	19.22		
10	256QAM	1	25	19.17	19.24	19.08	20.5	2
10	256QAM	1	49	19.27	19.35	19.23		
10	256QAM	25	0	19.12	19.21	18.92		
10	256QAM	25	12	19.03	19.09	19.01	20.5	2
10	256QAM	25	25	18.92	19.10	19.10		
10	256QAM	50	0	18.89	19.13	19.17		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.30	21.26	21.34		
5	QPSK	1	12	21.16	21.15	21.22	22.5	0
5	QPSK	1	24	21.20	21.18	21.20		
5	QPSK	12	0	21.32	21.21	21.12		
5	QPSK	12	7	21.14	21.33	21.28	22.5	0
5	QPSK	12	13	21.28	21.23	21.26		
5	QPSK	25	0	21.24	21.17	21.28		
5	16QAM	1	0	21.18	21.28	21.14		
5	16QAM	1	12	21.16	21.32	21.36	22.5	0
5	16QAM	1	24	21.19	21.25	21.17		
5	16QAM	12	0	21.24	21.18	21.25		
5	16QAM	12	7	21.23	21.19	21.16	22.5	0
5	16QAM	12	13	21.19	21.31	21.19		
5	16QAM	25	0	21.28	21.24	21.30		
5	64QAM	1	0	21.21	21.15	21.25		
5	64QAM	1	12	21.14	21.15	21.21	22.5	0
5	64QAM	1	24	21.11	21.35	21.26		
5	64QAM	12	0	21.21	21.33	21.34		
5	64QAM	12	7	21.26	21.26	21.27	22.5	0
5	64QAM	12	13	21.12	21.24	21.27		
5	64QAM	25	0	21.24	21.12	21.24		
5	256QAM	1	0	19.28	19.27	19.30		
5	256QAM	1	12	19.15	19.28	19.14	20.5	2
5	256QAM	1	24	19.24	19.45	19.12		
5	256QAM	12	0	19.11	19.33	18.91		
5	256QAM	12	7	19.02	19.04	19.11	20.5	2
5	256QAM	12	13	19.01	19.12	19.09		
5	256QAM	25	0	18.94	19.03	19.16		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.19	21.24	21.36		
3	QPSK	1	8	21.21	21.19	21.14	22.5	0
3	QPSK	1	14	21.16	21.30	21.25		
3	QPSK	8	0	21.23	21.22	21.11		
3	QPSK	8	4	21.17	21.31	21.34	22.5	0
3	QPSK	8	7	21.17	21.18	21.16		
3	QPSK	15	0	21.32	21.21	21.25		
3	16QAM	1	0	21.22	21.26	21.21		
3	16QAM	1	8	21.24	21.21	21.25	22.5	0
3	16QAM	1	14	21.22	21.24	21.20		
3	16QAM	8	0	21.24	21.17	21.34		
3	16QAM	8	4	21.19	21.16	21.15	22.5	0
3	16QAM	8	7	21.20	21.17	21.21		
3	16QAM	15	0	21.30	21.26	21.29		
3	64QAM	1	0	21.21	21.20	21.19		
3	64QAM	1	8	21.18	21.22	21.21	22.5	0
3	64QAM	1	14	21.14	21.31	21.31		
3	64QAM	8	0	21.13	21.21	21.29		
3	64QAM	8	4	21.28	21.29	21.30	22.5	0
3	64QAM	8	7	21.10	21.21	21.23		
3	64QAM	15	0	21.21	21.21	21.24		
3	256QAM	1	0	19.27	19.25	19.24		
3	256QAM	1	8	19.18	19.25	19.16	20.5	2
3	256QAM	1	14	19.29	19.32	19.12		
3	256QAM	8	0	19.15	19.25	18.87		
3	256QAM	8	4	18.97	19.03	19.11	20.5	2
3	256QAM	8	7	18.92	19.11	19.03		
3	256QAM	15	0	19.02	19.15	19.21		
Channel				18607	18900	19192	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.20	21.18	21.26		
1.4	QPSK	1	3	21.11	21.22	21.19		
1.4	QPSK	1	5	21.12	21.30	21.23	22.5	0
1.4	QPSK	3	0	21.24	21.20	21.22		
1.4	QPSK	3	1	21.22	21.36	21.27		
1.4	QPSK	3	3	21.16	21.14	21.26		
1.4	QPSK	6	0	21.22	21.25	21.26	22.5	0
1.4	16QAM	1	0	21.10	21.24	21.27		
1.4	16QAM	1	3	21.15	21.22	21.24		
1.4	16QAM	1	5	21.31	21.31	21.24	22.5	0
1.4	16QAM	3	0	21.22	21.13	21.25		
1.4	16QAM	3	1	21.24	21.14	21.16		
1.4	16QAM	3	3	21.19	21.17	21.19		
1.4	16QAM	6	0	21.21	21.29	21.30	22.5	0
1.4	64QAM	1	0	21.23	21.19	21.22		
1.4	64QAM	1	3	21.20	21.20	21.17		
1.4	64QAM	1	5	21.11	21.35	21.28	22.5	0
1.4	64QAM	3	0	21.13	21.24	21.32		
1.4	64QAM	3	1	21.29	21.29	21.22		
1.4	64QAM	3	3	21.14	21.15	21.34		
1.4	64QAM	6	0	21.20	21.23	21.18	22.5	0
1.4	256QAM	1	0	19.30	19.24	19.33		
1.4	256QAM	1	3	19.20	19.21	19.17		
1.4	256QAM	1	5	19.24	19.41	19.16	20.5	2
1.4	256QAM	3	0	19.19	19.29	18.87		
1.4	256QAM	3	1	19.00	19.08	19.11		
1.4	256QAM	3	3	18.92	19.06	19.06		
1.4	256QAM	6	0	18.94	19.11	19.16	20.5	2

Band 4 Ant1 ECI3

BW [MHz]	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	21.28	21.35	21.32		
20	QPSK	1	49	21.19	21.23	21.11	22.5	0
20	QPSK	1	99	21.27	21.14	21.20		
20	QPSK	50	0	21.31	21.34	21.13		
20	QPSK	50	24	21.14	21.33	21.33	22.5	0
20	QPSK	50	50	21.19	21.26	21.26		
20	QPSK	100	0	21.04	21.29	21.27		
20	16QAM	1	0	21.19	21.24	21.18		
20	16QAM	1	49	21.14	21.20	21.30	22.5	0
20	16QAM	1	99	21.19	21.23	21.16		
20	16QAM	50	0	21.27	21.14	21.31		
20	16QAM	50	24	21.20	21.15	21.20	22.5	0
20	16QAM	50	50	21.25	21.30	21.27		
20	16QAM	100	0	21.21	21.27	21.25		
20	64QAM	1	0	21.19	21.15	21.23		
20	64QAM	1	49	21.18	21.19	21.14	22.5	0
20	64QAM	1	99	21.14	21.27	21.29		
20	64QAM	50	0	21.14	21.23	21.34		
20	64QAM	50	24	21.26	21.21	21.30	22.5	0
20	64QAM	50	50	21.20	21.14	21.33		
20	64QAM	100	0	21.23	21.16	21.19		
20	256QAM	1	0	19.20	19.23	19.30		
20	256QAM	1	49	19.20	19.26	19.17	20.5	2
20	256QAM	1	99	19.32	19.34	19.15		
20	256QAM	50	0	19.18	19.24	18.87		
20	256QAM	50	24	19.03	19.07	19.06	20.5	2
20	256QAM	50	50	18.92	18.99	19.05		
20	256QAM	100	0	18.98	19.11	19.16		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.11	21.17	21.17		
15	QPSK	1	37	21.04	21.15	21.03	22.5	0
15	QPSK	1	74	21.01	21.07	21.23		
15	QPSK	36	0	21.12	21.19	21.12		
15	QPSK	36	20	21.12	21.26	21.17	22.5	0
15	QPSK	36	39	21.10	21.09	21.06		
15	QPSK	75	0	21.12	21.14	21.21		
15	16QAM	1	0	21.08	21.15	21.15		
15	16QAM	1	37	21.06	21.14	21.27	22.5	0
15	16QAM	1	74	21.14	21.16	21.18		
15	16QAM	36	0	21.11	21.09	21.13		
15	16QAM	36	20	21.05	21.10	21.04	22.5	0
15	16QAM	36	39	21.03	21.12	21.07		
15	16QAM	75	0	21.07	21.21	21.23		
15	64QAM	1	0	21.00	21.04	21.06		
15	64QAM	1	37	21.05	21.09	21.13	22.5	0
15	64QAM	1	74	21.03	21.17	21.22		
15	64QAM	36	0	21.00	21.13	21.23		
15	64QAM	36	20	21.11	21.14	21.23	22.5	0
15	64QAM	36	39	21.08	21.12	21.25		
15	64QAM	75	0	21.16	21.11	21.11		
15	256QAM	1	0	19.14	19.24	19.22		
15	256QAM	1	37	19.15	19.14	19.08	20.5	2
15	256QAM	1	74	19.20	19.28	19.12		
15	256QAM	36	0	19.03	19.13	18.77		
15	256QAM	36	20	18.84	18.98	19.03	20.5	2
15	256QAM	36	39	18.95	19.01	18.89		
15	256QAM	75	0	18.87	19.00	19.07		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.16	21.18	21.14		
10	QPSK	1	25	21.04	21.15	21.10	22.5	0
10	QPSK	1	49	21.02	21.14	21.21		
10	QPSK	25	0	21.11	21.14	21.06		
10	QPSK	25	12	21.07	21.17	21.18	22.5	0
10	QPSK	25	25	21.07	21.13	21.18		
10	QPSK	50	0	21.09	21.08	21.19		
10	16QAM	1	0	21.03	21.17	21.15		
10	16QAM	1	25	21.02	21.21	21.25	22.5	0
10	16QAM	1	49	21.12	21.13	21.12		
10	16QAM	25	0	21.21	21.11	21.16		
10	16QAM	25	12	21.08	21.08	21.17	22.5	0
10	16QAM	25	25	21.12	21.16	21.06		
10	16QAM	50	0	21.18	21.14	21.15		
10	64QAM	1	0	21.12	21.12	21.11		
10	64QAM	1	25	21.03	21.02	21.08	22.5	0
10	64QAM	1	49	21.04	21.27	21.21		
10	64QAM	25	0	21.11	21.23	21.19		
10	64QAM	25	12	21.18	21.12	21.17	22.5	0
10	64QAM	25	25	21.06	21.14	21.16		
10	64QAM	50	0	21.16	21.13	21.17		
10	256QAM	1	0	19.17	19.22	19.12		
10	256QAM	1	25	19.05	19.23	19.03	20.5	2
10	256QAM	1	49	19.15	19.32	19.08		
10	256QAM	25	0	19.08	19.16	18.77		
10	256QAM	25	12	18.94	18.99	18.97	20.5	2
10	256QAM	25	25	18.82	18.92	18.94		
10	256QAM	50	0	18.83	18.99	19.10		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.11	21.15	21.19		
5	QPSK	1	12	21.09	21.07	21.09	22.5	0
5	QPSK	1	24	21.00	21.14	21.17		
5	QPSK	12	0	21.19	21.17	21.00		
5	QPSK	12	7	21.01	21.24	21.20	22.5	0
5	QPSK	12	13	21.18	21.10	21.19		
5	QPSK	25	0	21.18	21.20	21.11		
5	16QAM	1	0	21.08	21.18	21.07		
5	16QAM	1	12	21.05	21.15	21.23	22.5	0
5	16QAM	1	24	21.11	21.16	21.16		
5	16QAM	12	0	21.17	21.13	21.18		
5	16QAM	12	7	21.09	21.07	21.07	22.5	0
5	16QAM	12	13	21.12	21.17	21.15		
5	16QAM	25	0	21.17	21.11	21.23		
5	64QAM	1	0	21.11	21.12	21.10		
5	64QAM	1	12	21.02	21.10	21.14	22.5	0
5	64QAM	1	24	21.05	21.16	21.18		
5	64QAM	12	0	21.12	21.14	21.14		
5	64QAM	12	7	21.15	21.13	21.17	22.5	0
5	64QAM	12	13	21.05	21.16	21.23		
5	64QAM	25	0	21.17	21.03	21.07		
5	256QAM	1	0	19.06	19.13	19.13		
5	256QAM	1	12	19.11	19.16	19.00	20.5	2
5	256QAM	1	24	19.14	19.25	19.13		
5	256QAM	12	0	19.08	19.23	18.76		
5	256QAM	12	7	18.95	18.99	19.00	20.5	2
5	256QAM	12	13	18.92	18.94	18.88		
5	256QAM	25	0	18.82	19.01	19.14		
Channel				19950	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.13	21.08	21.20		
3	QPSK	1	8	21.00	21.07	21.03	22.5	0
3	QPSK	1	14	21.00	21.20	21.16		
3	QPSK	8	0	21.16	21.17	21.10		
3	QPSK	8	4	21.03	21.16	21.15	22.5	0
3	QPSK	8	7	21.14	21.06	21.12		
3	QPSK	15	0	21.11	21.10	21.10		
3	16QAM	1	0	21.07	21.20	21.06		
3	16QAM	1	8	21.14	21.16	21.14	22.5	0
3	16QAM	1	14	21.13	21.13	21.09		
3	16QAM	8	0	21.14	21.10	21.11		
3	16QAM	8	4	21.08	21.07	21.06	22.5	0
3	16QAM	8	7	21.07	21.16	21.10		
3	16QAM	15	0	21.12	21.16	21.18		
3	64QAM	1	0	21.03	21.02	21.14		
3	64QAM	1	8	21.10	21.07	21.09	22.5	0
3	64QAM	1	14	21.09	21.28	21.16		
3	64QAM	8	0	21.08	21.18	21.24		
3	64QAM	8	4	21.19	21.22	21.19	22.5	0
3	64QAM	8	7	21.09	21.07	21.13		
3	64QAM	15	0	21.16	21.11	21.16		
3	256QAM	1	0	19.19	19.12	19.11		
3	256QAM	1	8	19.02	19.23	19.11	20.5	2
3	256QAM	1	14	19.14	19.33	19.05		
3	256QAM	8	0	19.04	19.18	18.82		
3	256QAM	8	4	18.93	19.01	19.05	20.5	2
3	256QAM	8	7	18.90	18.98	18.90		
3	256QAM	15	0	18.90	19.06	19.10		
Channel				19937	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.09	21.17	21.24		
1.4	QPSK	1	3	21.10	21.12	21.08		
1.4	QPSK	1	5	21.03	21.09	21.21	22.5	0
1.4	QPSK	3	0	21.14	21.22	21.09		
1.4	QPSK	3	1	21.07	21.13	21.20		
1.4	QPSK	3	3	21.18	21.15	21.06		
1.4	QPSK	6	0	21.20	21.17	21.17	22.5	0
1.4	16QAM	1	0	21.01	21.21	21.12		
1.4	16QAM	1	3	21.13	21.12	21.25		
1.4	16QAM	1	5	21.09	21.09	21.20	22.5	0
1.4	16QAM	3	0	21.15	21.05	21.22		
1.4	16QAM	3	1	21.07	21.09	21.09		
1.4	16QAM	3	3	21.15	21.12	21.05		
1.4	16QAM	6	0	21.17	21.10	21.23	22.5	0
1.4	64QAM	1	0	21.08	21.03	21.04		
1.4	64QAM	1	3	21.08	21.10	21.07		
1.4	64QAM	1	5	20.99	21.27	21.25	22.5	0
1.4	64QAM	3	0	21.04	21.15	21.15		
1.4	64QAM	3	1	21.13	21.15	21.17		
1.4	64QAM	3	3	21.10	21.04	21.15		
1.4	64QAM	6	0	21.21	21.11	21.09	22.5	0
1.4	256QAM	1	0	19.11	19.10	19.16		
1.4	256QAM	1	3	19.09	19.16	19.06		
1.4	256QAM	1	5	19.20	19.28	19.06	20.5	2
1.4	256QAM	3	0	19.07	19.16	18.80		
1.4	256QAM	3	1	18.90	18.95	18.96		
1.4	256QAM	3	3	18.94	18.92	18.94		
1.4	256QAM	6	0	18.85	19.05	19.02	20.5	2

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BW [MHz]	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	24.57	24.67	24.63		
10	QPSK	1	25	24.51	24.59	24.53	25.2	0
10	QPSK	1	49	24.41	24.65	24.50		
10	QPSK	25	0	23.94	24.15	24.08		
10	QPSK	25	12	23.91	24.05	23.94	24.7	0.5
10	QPSK	25	25	24.02	24.02	23.95		
10	QPSK	50	0	23.89	24.00	23.88		
10	16QAM	1	0	23.72	23.98	23.78		
10	16QAM	1	25	23.82	23.88	23.81	24.7	0.5
10	16QA

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BW [MHz]	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	20.98	21.01	20.89		
20	QPSK	1	49	20.90	20.97	20.85	22.5	0
20	QPSK	1	99	20.88	20.93	20.87		
20	QPSK	50	0	20.86	20.99	20.93		
20	QPSK	50	24	20.87	20.97	20.81	22.5	0
20	QPSK	50	50	20.87	20.92	20.81		
20	QPSK	100	0	20.91	20.97	20.84		
20	16QAM	1	0	20.93	20.94	20.91		
20	16QAM	1	49	20.95	20.89	20.87	22.5	0
20	16QAM	1	99	20.85	20.92	20.90		
20	16QAM	50	0	20.91	21.00	20.92		
20	16QAM	50	24	20.86	20.95	20.84	22.5	0
20	16QAM	50	50	20.88	20.92	20.94		
20	16QAM	100	0	20.95	21.00	20.88		
20	64QAM	1	0	20.90	20.92	20.93		
20	64QAM	1	49	20.87	20.93	20.90	22.5	0
20	64QAM	1	99	20.92	20.98	20.83		
20	64QAM	50	0	20.38	20.38	20.28		
20	64QAM	50	24	20.16	20.32	20.17	22	0.5
20	64QAM	50	50	20.34	20.33	20.13		
20	64QAM	100	0	20.31	20.37	20.26		
20	256QAM	1	0	18.40	18.59	18.44		
20	256QAM	1	49	18.39	18.41	18.41	20	2.5
20	256QAM	1	99	18.31	18.50	18.38		
20	256QAM	50	0	18.22	18.34	18.26		
20	256QAM	50	24	18.15	18.37	18.21	20	2.5
20	256QAM	50	50	18.10	18.19	18.24		
20	256QAM	100	0	18.26	18.34	18.37		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	20.82	20.77	20.66		
15	QPSK	1	37	20.83	20.80	20.74	22.5	0
15	QPSK	1	74	20.83	20.88	20.77		
15	QPSK	36	0	20.80	20.85	20.85		
15	QPSK	36	20	20.80	20.84	20.66	22.5	0
15	QPSK	36	39	20.71	20.95	20.70		
15	QPSK	75	0	20.84	20.72	20.80		
15	16QAM	1	0	20.76	20.77	20.74		
15	16QAM	1	37	20.91	20.78	20.75	22.5	0
15	16QAM	1	74	20.81	20.78	20.82		
15	16QAM	36	0	20.84	20.87	20.85		
15	16QAM	36	20	20.76	20.84	20.75	22.5	0
15	16QAM	36	39	20.72	20.80	20.79		
15	16QAM	75	0	20.84	20.93	20.72		
15	64QAM	1	0	20.82	20.85	20.84		
15	64QAM	1	37	20.79	20.78	20.86	22.5	0
15	64QAM	1	74	20.88	20.94	20.71		
15	64QAM	36	0	20.23	20.27	20.16		
15	64QAM	36	20	20.11	20.27	20.09	22	0.5
15	64QAM	36	39	20.24	20.26	20.07		
15	64QAM	75	0	20.18	20.28	20.21		
15	256QAM	1	0	18.27	18.56	18.41		
15	256QAM	1	37	18.33	18.27	18.35	20	2.5
15	256QAM	1	74	18.16	18.46	18.23		
15	256QAM	36	0	18.11	18.18	18.11		
15	256QAM	36	20	18.08	18.24	18.14	20	2.5
15	256QAM	36	39	18.05	18.04	18.11		
15	256QAM	75	0	18.13	18.19	18.28		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	20.73	20.87	20.74		
10	QPSK	1	25	20.80	20.80	20.69	22.5	0
10	QPSK	1	49	20.80	20.87	20.72		
10	QPSK	25	0	20.73	20.89	20.79		
10	QPSK	25	12	20.76	20.92	20.77	22.5	0
10	QPSK	25	25	20.83	20.90	20.74		
10	QPSK	50	0	20.82	20.86	20.75		
10	16QAM	1	0	20.85	20.77	20.76		
10	16QAM	1	25	20.85	20.76	20.81	22.5	0
10	16QAM	1	49	20.73	20.87	20.74		
10	16QAM	25	0	20.75	20.92	20.78		
10	16QAM	25	12	20.79	20.91	20.79	22.5	0
10	16QAM	25	25	20.81	20.84	20.88		
10	16QAM	50	0	20.82	20.84	20.78		
10	64QAM	1	0	20.85	20.85	20.84		
10	64QAM	1	25	20.84	20.88	20.84	22.5	0
10	64QAM	1	49	20.88	20.90	20.74		
10	64QAM	25	0	20.35	20.34	20.15		
10	64QAM	25	12	20.12	20.28	20.06	22	0.5
10	64QAM	25	25	20.24	20.27	20.06		
10	64QAM	50	0	20.25	20.32	20.21		
10	256QAM	1	0	18.37	18.52	18.29		
10	256QAM	1	25	18.26	18.33	18.28	20	2.5
10	256QAM	1	49	18.22	18.34	18.30		
10	256QAM	25	0	18.15	18.30	18.14		
10	256QAM	25	12	18.11	18.29	18.14	20	2.5
10	256QAM	25	25	18.04	18.09	18.20		
10	256QAM	50	0	18.13	18.22	18.21		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	20.77	20.81	20.72		
5	QPSK	1	12	20.74	20.89	20.72	22.5	0
5	QPSK	1	24	20.84	20.78	20.76		
5	QPSK	12	0	20.69	20.81	20.76		
5	QPSK	12	7	20.81	20.89	20.76	22.5	0
5	QPSK	12	13	20.73	20.86	20.65		
5	QPSK	25	0	20.84	20.72	20.69		
5	16QAM	1	0	20.83	20.78	20.76		
5	16QAM	1	12	20.81	20.73	20.70	22.5	0
5	16QAM	1	24	20.69	20.78	20.80		
5	16QAM	12	0	20.79	20.92	20.77		
5	16QAM	12	7	20.73	20.88	20.72	22.5	0
5	16QAM	12	13	20.75	20.86	20.82		
5	16QAM	25	0	20.81	20.85	20.84		
5	64QAM	1	0	20.86	20.75	20.76		
5	64QAM	1	12	20.83	20.80	20.84	22.5	0
5	64QAM	1	24	20.67	20.82	20.79		
5	64QAM	12	0	20.23	20.23	20.14		
5	64QAM	12	7	20.07	20.24	20.13	22	0.5
5	64QAM	12	13	20.18	20.20	20.06		
5	64QAM	25	0	20.15	20.27	20.22		
5	256QAM	1	0	18.35	18.52	18.34		
5	256QAM	1	12	18.34	18.36	18.35	20	2.5
5	256QAM	1	24	18.16	18.46	18.32		
5	256QAM	12	0	18.12	18.28	18.19		
5	256QAM	12	7	18.12	18.33	18.14	20	2.5
5	256QAM	12	13	18.01	18.04	18.20		
5	256QAM	25	0	18.14	18.23	18.27		

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BW [MHz]	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	21.33	21.51	21.41		
20	QPSK	1	49	21.34	21.28	21.24	22.5	0
20	QPSK	1	99	21.34	21.34	21.33		
20	QPSK	50	0	21.43	21.45	21.22		
20	QPSK	50	24	21.31	21.43	21.43	22.5	0
20	QPSK	50	50	21.23	21.30	21.39		
20	QPSK	100	0	21.29	21.44	21.37		
20	16QAM	1	0	21.31	21.27	21.24		
20	16QAM	1	49	21.28	21.25	21.34	22.5	0
20	16QAM	1	99	21.22	21.36	21.32		
20	16QAM	50	0	21.42	21.26	21.36		
20	16QAM	50	24	21.31	21.24	21.30	22.5	0
20	16QAM	50	50	21.30	21.41	21.41		
20	16QAM	100	0	21.27	21.43	21.40		
20	64QAM	1	0	21.25	21.31	21.35		
20	64QAM	1	49	21.32	21.29	21.24	22.5	0
20	64QAM	1	99	21.22	21.36	21.40		
20	64QAM	50	0	21.30	21.32	21.38		
20	64QAM	50	24	21.41	21.36	21.33	22.5	0
20	64QAM	50	50	21.26	21.23	21.42		
20	64QAM	100	0	21.27	21.20	21.31		
20	256QAM	1	0	19.36	19.38	19.45		
20	256QAM	1	49	19.34	19.36	19.30	20.5	2
20	256QAM	1	99	19.47	19.50	19.31		
20	256QAM	50	0	19.35	19.35	18.96		
20	256QAM	50	24	19.18	19.12	19.11	20.5	2
20	256QAM	50	50	19.09	19.05	19.11		
20	256QAM	100	0	19.09	19.26	19.29		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.29	21.35	21.30		
15	QPSK	1	37	21.14	21.30	21.10	22.5	0
15	QPSK	1	74	21.10	21.26	21.19		
15	QPSK	36	0	21.33	21.30	21.14		
15	QPSK	36	20	21.12	21.30	21.35	22.5	0
15	QPSK	36	39	21.19	21.31	21.32		
15	QPSK	75	0	21.24	21.29	21.32		
15	16QAM	1	0	21.19	21.29	21.15		
15	16QAM	1	37	21.08	21.19	21.27	22.5	0
15	16QAM	1	74	21.22	21.23	21.17		
15	16QAM	36	0	21.29	21.09	21.33		
15	16QAM	36	20	21.26	21.21	21.13	22.5	0
15	16QAM	36	39	21.21	21.32	21.23		
15	16QAM	75	0	21.25	21.23	21.23		
15	64QAM	1	0	21.25	21.17	21.18		
15	64QAM	1	37	21.17	21.18	21.14	22.5	0
15	64QAM	1	74	21.18	21.32	21.25		
15	64QAM	36	0	21.08	21.22	21.35		
15	64QAM	36	20	21.27	21.18	21.34	22.5	0
15	64QAM	36	39	21.23	21.10	21.33		
15	64QAM	75	0	21.24	21.16	21.24		
15	256QAM	1	0	19.19	19.25	19.33		
15	256QAM	1	37	19.13	19.29	19.17	20.5	2
15	256QAM	1	74	19.38	19.37	19.20		
15	256QAM	36	0	19.17	19.19	18.89		
15	256QAM	36	20	18.98	19.13	19.03	20.5	2
15	256QAM	36	39	18.94	18.95	19.10		
15	256QAM	75	0	18.99	19.07	19.15		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.32	21.29	21.34		
10	QPSK	1	25	21.16	21.21	21.08	22.5	0
10	QPSK	1	49	21.12	21.29	21.20		
10	QPSK	25	0	21.35	21.32	21.08		
10	QPSK	25	12	21.20	21.27	21.34	22.5	0
10	QPSK	25	25	21.16	21.23	21.25		
10	QPSK	50	0	21.17	21.27	21.21		
10	16QAM	1	0	21.13	21.26	21.19		
10	16QAM	1	25	21.20	21.15	21.27	22.5	0
10	16QAM	1	49	21.14	21.25	21.15		
10	16QAM	25	0	21.26	21.11	21.31		
10	16QAM	25	12	21.23	21.15	21.15	22.5	0
10	16QAM	25	25	21.22	21.37	21.20		
10	16QAM	50	0	21.28	21.26	21.30		
10	64QAM	1	0	21.20	21.17	21.27		
10	64QAM	1	25	21.13	21.13	21.21	22.5	0
10	64QAM	1	49	21.08	21.27	21.32		
10	64QAM	25	0	21.14	21.30	21.30		
10	64QAM	25	12	21.25	21.15	21.25	22.5	0
10	64QAM	25	25	21.26	21.15	21.32		
10	64QAM	50	0	21.19	21.16	21.14		
10	256QAM	1	0	19.17	19.18	19.23		
10	256QAM	1	25	19.17	19.26	19.12	20.5	2
10	256QAM	1	49	19.29	19.36	19.15		
10	256QAM	25	0	19.12	19.23	18.85		
10	256QAM	25	12	18.97	19.08	19.13	20.5	2
10	256QAM	25	25	18.89	19.03	19.04		
10	256QAM	50	0	19.04	19.15	19.21		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	21.23	21.30	21.29		
5	QPSK	1	12	21.13	21.25	21.18	22.5	0
5	QPSK	1	24	21.10	21.26	21.24		
5	QPSK	12	0	21.36	21.35	21.08		
5	QPSK	12	7	21.14	21.29	21.39	22.5	0
5	QPSK	12	13	21.25	21.27	21.31		
5	QPSK	25	0	21.31	21.34	21.27		
5	16QAM	1	0	21.18	21.23	21.16		
5	16QAM	1	12	21.11	21.25	21.32	22.5	0
5	16QAM	1	24	21.17	21.18	21.09		
5	16QAM	12	0	21.25	21.14	21.28		
5	16QAM	12	7	21.24	21.08	21.26	22.5	0
5	16QAM	12	13	21.22	21.37	21.30		
5	16QAM	25	0	21.25	21.29	21.27		
5	64QAM	1	0	21.22	21.19	21.26		
5	64QAM	1	12	21.24	21.22	21.11	22.5	0
5	64QAM	1	24	21.15	21.28	21.29		
5	64QAM	12	0	21.20	21.27	21.35		
5	64QAM	12	7	21.27	21.16	21.24	22.5	0
5	64QAM	12	13	21.19	21.16	21.30		
5	64QAM	25	0	21.26	21.14	21.24		
5	256QAM	1	0	19.26	19.21	19.32		
5	256QAM	1	12	19.27	19.29	19.15	20.5	2
5	256QAM	1	24	19.36	19.31	19.09		
5	256QAM	12	0	19.23	19.25	18.91		
5	256QAM	12	7	19.03	19.01	19.13	20.5	2
5	256QAM	12	13	18.96	18.97	19.07		
5	256QAM	25	0	18.92	19.08	19.16		
Channel				131972	132322	132672	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	21.23	21.33	21.27		
3	QPSK	1	8	21.21	21.24	21.10	22.5	0
3	QPSK	1	14	21.17	21.19	21.15		
3	QPSK	8	0	21.38	21.39	21.11		
3	QPSK	8	4	21.07	21.36	21.28	22.5	0
3	QPSK	8	7	21.21	21.33	21.24		
3	QPSK	15	0	21.29	21.24	21.26		
3	16QAM	1	0	21.24	21.26	21.17		
3	16QAM	1	8	21.10	21.23	21.28	22.5	0
3	16QAM	1	14	21.17	21.27	21.22		
3	16QAM	8	0	21.33	21.12	21.28		
3	16QAM	8	4	21.22	21.17	21.16	22.5	0
3	16QAM	8	7	21.24	21.29	21.32		
3	16QAM	15	0	21.22	21.26	21.19		
3	64QAM	1	0	21.25	21.10	21.29		
3	64QAM	1	8	21.22	21.13	21.12	22.5	0
3	64QAM	1	14	21.10	21.31	21.30		
3	64QAM	8	0	21.19	21.21	21.38		
3	64QAM	8	4	21.20	21.17	21.36	22.5	0
3	64QAM	8	7	21.17	21.15	21.34		
3	64QAM	15	0	21.24	21.10	21.23		
3	256QAM	1	0	19.17	19.23	19.27		
3	256QAM	1	8	19.19	19.21	19.11	20.5	2
3	256QAM	1	14	19.38	19.36	19.09		
3	256QAM	8	0	19.11	19.25	18.87		
3	256QAM	8	4	19.03	19.03	19.09	20.5	2
3	256QAM	8	7	18.88	19.05	19.05		
3	256QAM	15	0	19.06	19.14	19.10		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	21.21	21.38	21.29		
1.4	QPSK	1	3	21.21	21.28	21.15		
1.4	QPSK	1	5	21.13	21.17	21.19	22.5	0
1.4	QPSK	3	0	21.32	21.29	21.16		
1.4	QPSK	3	1	21.18	21.30	21.37		
1.4	QPSK	3	3	21.13	21.26	21.30		
1.4	QPSK	6	0	21.29	21.23	21.23	22.5	0
1.4	16QAM	1	0	21.13	21.20	21.14		
1.4	16QAM	1	3	21.21	21.15	21.36		
1.4	16QAM	1	5	21.25	21.19	21.10	22.5	0
1.4	16QAM	3	0	21.25	21.16	21.31		
1.4	16QAM	3	1	21.16	21.18	21.14		
1.4	16QAM	3	3	21.21	21.28	21.29		
1.4	16QAM	6	0	21.21	21.32	21.22	22.5	0
1.4	64QAM	1	0	21.16	21.22	21.29		
1.4	64QAM	1	3	21.15	21.16	21.17		
1.4	64QAM	1	5	21.17	21.30	21.36	22.5	0
1.4	64QAM	3	0	21.13	21.20	21.28		
1.4	64QAM	3	1	21.30	21.24	21.30		
1.4	64QAM	3	3	21.19	21.16	21.27		
1.4	64QAM	6	0	21.29	21.21	21.24	22.5	0
1.4	256QAM	1	0	19.23	19.22	19.24		
1.4	256QAM	1	3	19.22	19.24	19.14		
1.4	256QAM	1	5	19.34	19.28	19.17	20.5	2
1.4	256QAM	3	0	19.20	19.18	18.83		
1.4	256QAM	3	1	19.07	19.12	19.10		
1.4	256QAM	3	3	18.97	19.03	19.12		
1.4	256QAM	6	0	18.97	19.14	19.14	20.5	2

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.77	22.89	22.75	23.5	0
20	QPSK	1	49	22.67	22.87	22.75		
20	QPSK	1	99	22.76	22.87	22.83		
20	QPSK	50	0	22.73	22.87	22.79	23.5	0
20	QPSK	50	24	22.70	22.79	22.71		
20	QPSK	50	50	22.76	22.85	22.73		
20	QPSK	100	0	22.74	22.83	22.71		
20	16QAM	1	0	22.69	22.87	22.70	23.5	0
20	16QAM	1	49	22.66	22.84	22.82		
20	16QAM	1	99	22.72	22.85	22.78		
20	16QAM	50	0	22.61	22.74	22.67	23.5	0
20	16QAM	50	24	22.66	22.65	22.46		
20	16QAM	50	50	22.52	22.60	22.60		
20	16QAM	100	0	22.71	22.72	22.61		
20	64QAM	1	0	22.53	22.64	22.40	23.5	0
20	64QAM	1	49	22.44	22.54	22.51		
20	64QAM	1	99	22.66	22.64	22.59		
20	64QAM	50	0	21.64	21.75	21.61	22.5	1
20	64QAM	50	24	21.52	21.57	21.54		
20	64QAM	50	50	21.62	21.74	21.56		
20	64QAM	100	0	21.61	21.77	21.62		
20	256QAM	1	0	19.77	19.88	19.84	20.5	3
20	256QAM	1	49	19.75	19.63	19.74		
20	256QAM	1	99	19.78	19.85	19.77		
20	256QAM	50	0	19.62	19.70	19.65	20.5	3
20	256QAM	50	24	19.62	19.57	19.58		
20	256QAM	50	50	19.39	19.62	19.59		
20	256QAM	100	0	19.56	19.67	19.63		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.59	22.66	22.66	23.5	0
15	QPSK	1	37	22.53	22.81	22.71		
15	QPSK	1	74	22.67	22.71	22.69		
15	QPSK	36	0	22.67	22.71	22.74	23.5	0
15	QPSK	36	20	22.61	22.75	22.66		
15	QPSK	36	39	22.61	22.78	22.68		
15	QPSK	75	0	22.65	22.74	22.67		
15	16QAM	1	0	22.64	22.76	22.54	23.5	0
15	16QAM	1	37	22.55	22.76	22.79		
15	16QAM	1	74	22.64	22.71	22.68		
15	16QAM	36	0	22.52	22.59	22.62	23.5	0
15	16QAM	36	20	22.52	22.62	22.33		
15	16QAM	36	39	22.36	22.52	22.47		
15	16QAM	75	0	22.60	22.57	22.51		
15	64QAM	1	0	22.37	22.60	22.27	23.5	0
15	64QAM	1	37	22.32	22.43	22.36		
15	64QAM	1	74	22.52	22.56	22.48		
15	64QAM	36	0	21.57	21.60	21.54	22.5	1
15	64QAM	36	20	21.38	21.41	21.47		
15	64QAM	36	39	21.47	21.59	21.42		
15	64QAM	75	0	21.58	21.74	21.51		
15	256QAM	1	0	19.66	19.76	19.74	20.5	3
15	256QAM	1	37	19.67	19.57	19.65		
15	256QAM	1	74	19.62	19.79	19.71		
15	256QAM	36	0	19.49	19.63	19.50	20.5	3
15	256QAM	36	20	19.54	19.50	19.47		
15	256QAM	36	39	19.24	19.49	19.55		
15	256QAM	75	0	19.52	19.59	19.50		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.62	22.69	22.67	23.5	0
10	QPSK	1	25	22.51	22.79	22.58		
10	QPSK	1	49	22.64	22.77	22.76		
10	QPSK	25	0	22.57	22.66	22.72	23.5	0
10	QPSK	25	12	22.53	22.74	22.55		
10	QPSK	25	25	22.70	22.71	22.70		
10	QPSK	50	0	22.57	22.67	22.64		
10	16QAM	1	0	22.65	22.70	22.57	23.5	0
10	16QAM	1	25	22.52	22.78	22.68		
10	16QAM	1	49	22.62	22.70	22.69		
10	16QAM	25	0	22.55	22.61	22.59	23.5	0
10	16QAM	25	12	22.54	22.52	22.35		
10	16QAM	25	25	22.48	22.44	22.47		
10	16QAM	50	0	22.57	22.63	22.57		
10	64QAM	1	0	22.47	22.49	22.25	23.5	0
10	64QAM	1	25	22.37	22.51	22.45		
10	64QAM	1	49	22.58	22.58	22.49		
10	64QAM	25	0	21.59	21.72	21.56	22.5	1
10	64QAM	25	12	21.37	21.47	21.43		
10	64QAM	25	25	21.47	21.62	21.42		
10	64QAM	50	0	21.49	21.71	21.56		
10	256QAM	1	0	19.69	19.83	19.73	20.5	3
10	256QAM	1	25	19.64	19.59	19.59		
10	256QAM	1	49	19.67	19.73	19.65		
10	256QAM	25	0	19.52	19.61	19.61	20.5	3
10	256QAM	25	12	19.56	19.47	19.42		
10	256QAM	25	25	19.28	19.46	19.46		
10	256QAM	50	0	19.51	19.54	19.48		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.63	22.63	22.67	23.5	0
5	QPSK	1	12	22.61	22.77	22.60		
5	QPSK	1	24	22.73	22.80	22.77		
5	QPSK	12	0	22.59	22.75	22.75	23.5	0
5	QPSK	12	7	22.59	22.69	22.54		
5	QPSK	12	13	22.70	22.71	22.62		
5	QPSK	25	0	22.60	22.74	22.56		
5	16QAM	1	0	22.63	22.72	22.65	23.5	0
5	16QAM	1	12	22.62	22.79	22.68		
5	16QAM	1	24	22.67	22.75	22.70		
5	16QAM	12	0	22.45	22.60	22.55	23.5	0
5	16QAM	12	7	22.62	22.48	22.33		
5	16QAM	12	13	22.36	22.45	22.43		
5	16QAM	25	0	22.56	22.62	22.49		
5	64QAM	1	0	22.40	22.58	22.23	23.5	0
5	64QAM	1	12	22.40	22.45	22.44		
5	64QAM	1	24	22.57	22.52	22.52		
5	64QAM	12	0	21.58	21.60	21.48	22.5	1
5	64QAM	12	7	21.47	21.54	21.53		
5	64QAM	12	13	21.47	21.66	21.42		
5	64QAM	25	0	21.45	21.72	21.57		
5	256QAM	1	0	19.62	19.78	19.78	20.5	3
5	256QAM	1	12	19.58	19.50	19.60		
5	256QAM	1	24	19.73	19.74	19.69		
5	256QAM	12	0	19.58	19.56	19.61	20.5	3
5	256QAM	12	7	19.51	19.44	19.55		
5	256QAM	12	13	19.24	19.54	19.47		
5	256QAM	25	0	19.53	19.63	19.57		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.26	23.25	23.39	23.27	23.27	23.7	0
20	QPSK	1	49	23.27	23.18	23.33	23.33	23.26		
20	QPSK	1	99	23.25	23.25	23.36	23.30	23.21		
20	QPSK	50	0	23.22	23.26	23.38	23.30	23.24	23.7	0
20	QPSK	50	24	23.28	23.14	23.35	23.33	23.28		
20	QPSK	50	50	23.24	23.15	23.34	23.33	23.24		
20	QPSK	100	0	23.23	23.23	23.37	23.27	23.20		
20	16QAM	1	0	23.27	23.23	23.31	23.33	23.20	23.7	0
20	16QAM	1	49	23.20	23.14	23.30	23.36	23.24		
20	16QAM	1	99	23.27	23.18	23.34	23.26	23.29		
20	16QAM	50	0	23.30	23.18	23.38	23.27	23.24	23.7	0
20	16QAM	50	24	23.25	23.11	23.36	23.29	23.25		
20	16QAM	50	50	23.28	23.15	23.36	23.29	23.26		
20	16QAM	100	0	23.22	23.19	23.38	23.30	23.22		
20	64QAM	1	0	23.20	23.20	23.38	23.27	23.25	23.7	0
20	64QAM	1	49	23.24	23.14	23.35	23.34	23.28		
20	64QAM	1	99	23.21	23.21	23.34	23.25	23.21		
20	64QAM	50	0	22.20	22.16	22.26	22.18	22.01	22.7	1
20	64QAM	50	24	21.98	22.04	22.20	22.07	22.08		
20	64QAM	50	50	22.01	22.15	22.12	22.09	22.02		
20	64QAM	100	0	22.08	22.02	22.25	22.11	22.10		
20	256QAM	1	0	20.23	20.24	20.33	20.28	20.36	20.7	3
20	256QAM	1	49	20.03	20.31	20.19	20.21	20.17		
20	256QAM	1	99	20.30	20.18	20.33	20.20	20.20		
20	256QAM	50	0	20.07	20.11	20.10	20.03	20.02	20.7	3
20	256QAM	50	24	19.98	19.97	20.13	20.09	20.02		
20	256QAM	50	50	20.02	20.01	20.12	20.10	20.01		
20	256QAM	100	0	20.06	20.18	20.18	20.18	20.15		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.16	23.07	23.21	23.22	23.09	24	0
15	QPSK	1	37	23.20	23.05	23.29	23.23	23.13		
15	QPSK	1	74	23.18	23.15	23.19	23.27	23.07		
15	QPSK	36	0	23.12	23.13	23.33	23.14	23.19	23.7	0
15	QPSK	36	20	23.17	23.10	23.21	23.29	23.16		
15	QPSK	36	39	23.15	23.11	23.25	23.19	23.08		
15	QPSK	75	0	23.18	23.05	23.31	23.24	23.07		
15	16QAM	1	0	23.11	23.20	23.29	23.16	23.15	23.7	0
15	16QAM	1	37	23.13	23.10	23.15	23.32	23.12		
15	16QAM	1	74	23.12	23.11	23.23	23.17	23.16		
15	16QAM	36	0	23.21	23.05	23.26	23.21	23.11	23.7	0
15	16QAM	36	20	23.12	22.97	23.33	23.19	23.19		
15	16QAM	36	39	23.23	23.12	23.21	23.16	23.15		
15	16QAM	75	0	23.09	23.08	23.26	23.23	23.11		
15	64QAM	1	0	23.07	23.11	23.35	23.22	23.22	23.7	0
15	64QAM	1	37	23.19	23.05	23.25	23.20	23.11		
15	64QAM	1	74	23.14	23.13	23.20	23.16	23.15		
15	64QAM	36	0	22.12	22.02	22.10	22.13	21.90	22.7	1
15	64QAM	36	20	21.90	22.01	22.04	21.95	21.92		
15	64QAM	36	39	21.89	22.10	21.97	21.98	21.95		
15	64QAM	75	0	22.05	21.98	22.11	22.02	21.95		
15	256QAM	1	0	20.18	20.08	20.27	20.12	20.29	20.7	3
15	256QAM	1	37	19.87	20.25	20.04	20.11	20.10		
15	256QAM	1	74	20.16	20.07	20.30	20.11	20.03		
15	256QAM	36	0	19.94	20.04	19.93	19.97	19.96	20.7	3
15	256QAM	36	20	19.88	19.84	20.04	20.04	19.93		
15	256QAM	36	39	19.89	19.95	19.99	20.05	19.91		
15	256QAM	75	0	19.99	20.05	20.02	20.06	20.03		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.23	23.08	23.24	23.17	23.12	24	0
10	QPSK	1	25	23.18	23.12	23.24	23.23	23.22		
10	QPSK	1	49	23.11	23.21	23.20	23.16	23.12		
10	QPSK	25	0	23.18	23.05	23.30	23.18	23.18	23.7	0
10	QPSK	25	12	23.16	23.05	23.25	23.28	23.21		
10	QPSK	25	25	23.07	23.09	23.30	23.21	23.08		
10	QPSK	50	0	23.18	23.07	23.33	23.24	23.05		
10	16QAM	1	0	23.18	23.19	23.32	23.27	23.17	23.7	0
10	16QAM	1	25	23.11	23.10	23.21	23.23	23.11		
10	16QAM	1	49	23.22	23.14	23.31	23.22	23.24		
10	16QAM	25	0	23.25	23.13	23.31	23.12	23.16	23.7	0
10	16QAM	25	12	23.20	22.94	23.32	23.20	23.10		
10	16QAM	25	25	23.16	22.99	23.30	23.15	23.22		
10	16QAM	50	0	23.09	23.03	23.30	23.26	23.11		
10	64QAM	1	0	23.15	23.14	23.25	23.12	23.20	23.7	0
10	64QAM	1	25	23.17	23.10	23.25	23.30	23.13		
10	64QAM	1	49	23.04	23.13	23.17	23.18	23.17		
10	64QAM	25	0	22.08	22.08	22.20	22.06	21.97	22.7	1
10	64QAM	25	12	21.89	21.98	22.15	22.00	21.94		
10	64QAM	25	25	21.93	21.98	21.99	21.98	21.91		
10	64QAM	50	0	21.99	21.89	22.15	22.02	21.99		
10	256QAM	1	0	20.11	20.21	20.16	20.15	20.21	20.7	3
10	256QAM	1	25	19.98	20.16	20.05	20.10	20.01		
10	256QAM	1	49	20.23	20.08	20.17	20.12	20.15		
10	256QAM	25	0	19.92	20.05	19.95	19.98	19.97	20.7	3
10	256QAM	25	12	19.88	19.82	19.98	19.97	19.95		
10	256QAM	25	25	19.92	19.89	20.03	20.04	19.87		
10	256QAM	50	0	19.89	20.03	20.12	20.15	20.09		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.12	23.12	23.17	23.20	23.05	24	0
5	QPSK	1	12	23.12	23.04	23.18	23.22	23.22		
5	QPSK	1	24	23.19	23.11	23.25	23.21	23.17		
5	QPSK	12	0	23.17	23.06	23.34	23.18	23.07	23.7	0
5	QPSK	12	7	23.21	22.98	23.27	23.19	23.17		
5	QPSK	12	13	23.17	23.12	23.17	23.20	23.16		
5	QPSK	25	0	23.12	23.06	23.21	23.21	23.06		
5	16QAM	1	0	23.20	23.18	23.30	23.26	23.15	23.7	0
5	16QAM	1	12	23.12	22.99	23.25	23.23	23.17		
5	16QAM	1	24	23.11	23.08	23.19	23.21	23.15		
5	16QAM	12	0	23.17	23.03	23.29	23.20	23.18	23.7	0
5	16QAM	12	7	23.10	22.99	23.21	23.15	23.18		
5	16QAM	12	13	23.24	23.03	23.28	23.23	23.21		
5	16QAM	25	0	23.19	23.06	23.31	23.15	23.17		
5	64QAM	1	0	23.17	23.04	23.23	23.11	23.15	23.7	0
5	64QAM	1	12	23.17	23.10	23.19	23.19	23.19		
5	64QAM	1	24	23.05	23.10	23.29	23.16	23.15		
5	64QAM	12	0	22.16	22.12	22.09	22.03	21.88	22.7	1
5	64QAM	12	7	21.93	21.95	22.14	21.97	21.97		
5	64QAM	12	13	21.90	22.04	22.03	22.04	21.93		
5	64QAM	25	0	21.93	21.93	22.19	21.95	21.99		
5	256QAM	1	0	20.13	20.14	20.29	20.25	20.28	20.7	3
5	256QAM	1	12	19.87	20.20	20.08	20.13	20.10		
5	256QAM	1	24	20.13	20.04	20.20	20.13	20.03		
5	256QAM	12	0	19.98	19.97	19.96	20.00	19.99	20.7	3
5	256QAM	12	7	19.87	19.84	20.06	20.02	19.93		
5	256QAM	12	13	19.89	19.98	20.03	20.00	19.92		
5	256QAM	25	0	20.00	20.04	20.08	20.05	20.06		

GSM1900 Ant2 ECI3

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.03	30.15	30.12	31.00	21.03	21.15	21.12	22.00
GPRS 1 Tx slot	30.06	30.16	30.14	31.00	21.06	21.16	21.14	22.00
GPRS 2 Tx slots	27.06	27.21	27.14	28.00	21.06	21.21	21.14	22.00
GPRS 3 Tx slots	25.35	25.46	25.37	26.00	21.09	21.20	21.11	21.74
GPRS 4 Tx slots	23.99	24.12	24.04	25.00	20.99	21.12	21.04	22.00
EDGE 1 Tx slot	26.42	26.50	26.38	27.00	17.42	17.50	17.38	18.00
EDGE 2 Tx slots	23.57	23.65	23.57	24.00	17.57	17.65	17.57	18.00
EDGE 3 Tx slots	21.46	21.51	21.36	22.00	17.20	17.25	17.10	17.74
EDGE 4 Tx slots	21.67	21.79	21.76	22.00	18.67	18.79	18.76	19.00

WCDMA II Ant2 ECI3

WCDMA IV Ant2 ECI3

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.37	21.43	21.40	22.00	21.96	22.00	21.92	23.00
3GPP Rel 99	RMC 12.2Kbps	21.38	21.49	21.47	22.00	21.96	22.03	21.97	23.00
3GPP Rel 6	HSDPA Subtest-1	20.42	20.39	20.46	21.00	20.99	21.01	20.96	22.00
3GPP Rel 6	HSDPA Subtest-2	20.29	20.45	20.33	21.00	20.94	21.01	20.83	22.00
3GPP Rel 6	HSDPA Subtest-3	19.92	20.04	19.94	20.50	20.32	20.51	20.47	21.50
3GPP Rel 6	HSDPA Subtest-4	19.82	19.90	19.97	20.50	20.24	20.42	20.41	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.31	20.38	20.50	21.00	20.85	20.98	20.97	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.26	20.40	20.36	21.00	20.84	20.90	20.83	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.78	19.97	19.84	20.50	20.30	20.45	20.31	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.73	19.90	19.86	20.50	20.22	20.37	20.45	21.50
3GPP Rel 6	HSUPA Subtest-1	20.33	20.35	20.30	21.00	20.71	20.85	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.33	18.42	18.29	19.00	18.91	18.93	18.95	20.00
3GPP Rel 6	HSUPA Subtest-3	19.45	19.54	19.49	20.00	19.95	19.96	20.06	21.00
3GPP Rel 6	HSUPA Subtest-4	18.30	18.49	18.36	19.00	18.75	18.93	18.74	20.00
3GPP Rel 6	HSUPA Subtest-5	20.26	20.48	20.32	21.00	20.74	20.89	20.78	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.94	18.03	18.07	18.50	18.32	18.57	18.48	19.50

Band 4 Ant2 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20650	20175	20300		
Frequency (MHz)				1720	1732.5	1745		
20	QPSK	1	0	21.94	21.98	21.91	22.7	0
20	QPSK	1	49	21.78	21.89	21.84		
20	QPSK	1	99	21.84	21.95	21.92		
20	QPSK	50	0	21.91	21.95	21.84		
20	QPSK	50	24	21.84	21.89	21.76		
20	QPSK	50	50	21.67	21.77	21.72		
20	QPSK	100	0	21.69	21.89	21.82		
20	16QAM	1	0	21.84	21.72	21.63		
20	16QAM	1	49	21.67	21.70	21.67		
20	16QAM	1	99	21.75	21.84	21.72		
20	16QAM	50	0	21.64	21.79	21.66		
20	16QAM	50	24	21.66	21.73	21.63		
20	16QAM	50	50	21.49	21.70	21.64		
20	16QAM	100	0	21.66	21.56	21.49		
20	64QAM	1	0	21.64	21.84	21.69		
20	64QAM	1	49	21.58	21.58	21.62		
20	64QAM	1	99	21.72	21.71	21.76		
20	64QAM	50	0	21.63	21.72	21.56		
20	64QAM	50	24	21.83	21.81	21.70		
20	64QAM	50	50	21.73	21.77	21.72		
20	64QAM	100	0	21.65	21.73	21.61		
20	256QAM	1	0	19.86	19.89	19.78		
20	256QAM	1	49	19.72	19.75	19.79	20.7	2
20	256QAM	1	99	19.74	19.93	19.82		
20	256QAM	50	0	19.73	19.82	19.60		
20	256QAM	50	24	19.62	19.76	19.68		
20	256QAM	50	50	19.62	19.73	19.65	20.7	2
20	256QAM	100	0	19.68	19.71	19.67		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.81	21.89	21.80		
15	QPSK	1	37	21.68	21.85	21.80	22.7	0
15	QPSK	1	74	21.68	21.89	21.80		
15	QPSK	36	0	21.71	21.86	21.69		
15	QPSK	36	20	21.75	21.87	21.64	22.7	0
15	QPSK	36	39	21.59	21.71	21.70		
15	QPSK	75	0	21.58	21.78	21.67		
15	16QAM	1	0	21.61	21.59	21.57		
15	16QAM	1	37	21.54	21.72	21.56	22.7	0
15	16QAM	1	74	21.67	21.78	21.65		
15	16QAM	36	0	21.58	21.71	21.49		
15	16QAM	36	20	21.51	21.60	21.50	22.7	0
15	16QAM	36	39	21.47	21.66	21.45		
15	16QAM	75	0	21.48	21.47	21.40		
15	64QAM	1	0	21.63	21.73	21.61		
15	64QAM	1	37	21.52	21.60	21.59	22.7	0
15	64QAM	1	74	21.59	21.63	21.55		
15	64QAM	36	0	21.57	21.63	21.56		
15	64QAM	36	20	21.70	21.82	21.67	22.7	0
15	64QAM	36	39	21.55	21.72	21.55		
15	64QAM	75	0	21.55	21.62	21.58		
15	256QAM	1	0	19.80	19.85	19.63		
15	256QAM	1	37	19.63	19.61	19.71	20.7	2
15	256QAM	1	74	19.67	19.87	19.69		
15	256QAM	36	0	19.66	19.73	19.45		
15	256QAM	36	20	19.48	19.68	19.60	20.7	2
15	256QAM	36	39	19.50	19.61	19.55		
15	256QAM	75	0	19.64	19.61	19.53		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.76	21.80	21.88		
10	QPSK	1	25	21.70	21.81	21.80	22.7	0
10	QPSK	1	49	21.65	21.91	21.72		
10	QPSK	25	0	21.75	21.79	21.76		
10	QPSK	25	12	21.73	21.75	21.66	22.7	0
10	QPSK	25	25	21.64	21.77	21.70		
10	QPSK	50	0	21.60	21.70	21.72		
10	16QAM	1	0	21.66	21.73	21.54		
10	16QAM	1	25	21.54	21.62	21.62	22.7	0
10	16QAM	1	49	21.66	21.80	21.73		
10	16QAM	25	0	21.59	21.61	21.57		
10	16QAM	25	12	21.61	21.57	21.54	22.7	0
10	16QAM	25	25	21.39	21.59	21.53		
10	16QAM	50	0	21.47	21.49	21.44		
10	64QAM	1	0	21.63	21.68	21.61		
10	64QAM	1	25	21.51	21.61	21.53	22.7	0
10	64QAM	1	49	21.53	21.67	21.59		
10	64QAM	25	0	21.50	21.62	21.45		
10	64QAM	25	12	21.75	21.75	21.62	22.7	0
10	64QAM	25	25	21.67	21.68	21.61		
10	64QAM	50	0	21.59	21.56	21.52		
10	256QAM	1	0	19.76	19.83	19.66		
10	256QAM	1	25	19.58	19.67	19.67	20.7	2
10	256QAM	1	49	19.65	19.81	19.78		
10	256QAM	25	0	19.68	19.70	19.49		
10	256QAM	25	12	19.55	19.67	19.56	20.7	2
10	256QAM	25	25	19.59	19.66	19.58		
10	256QAM	50	0	19.62	19.57	19.62		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.72	21.86	21.83		
5	QPSK	1	12	21.71	21.83	21.86	22.7	0
5	QPSK	1	24	21.69	21.80	21.81		
5	QPSK	12	0	21.73	21.79	21.66		
5	QPSK	12	7	21.68	21.80	21.70	22.7	0
5	QPSK	12	13	21.58	21.71	21.65		
5	QPSK	25	0	21.62	21.78	21.65		
5	16QAM	1	0	21.70	21.63	21.58		
5	16QAM	1	12	21.62	21.62	21.54	22.7	0
5	16QAM	1	24	21.62	21.79	21.70		
5	16QAM	12	0	21.60	21.67	21.49		
5	16QAM	12	7	21.61	21.65	21.43	22.7	0
5	16QAM	12	13	21.43	21.53	21.50		
5	16QAM	25	0	21.54	21.41	21.34		
5	64QAM	1	0	21.60	21.78	21.66		
5	64QAM	1	12	21.49	21.59	21.66	22.7	0
5	64QAM	1	24	21.57	21.68	21.61		
5	64QAM	12	0	21.53	21.57	21.55		
5	64QAM	12	7	21.72	21.77	21.62	22.7	0
5	64QAM	12	13	21.63	21.69	21.59		
5	64QAM	25	0	21.51	21.67	21.48		
5	256QAM	1	0	19.79	19.81	19.74		
5	256QAM	1	12	19.59	19.64	19.75	20.7	2
5	256QAM	1	24	19.61	19.87	19.70		
5	256QAM	12	0	19.61	19.73	19.57		
5	256QAM	12	7	19.48	19.70	19.61	20.7	2
5	256QAM	12	13	19.58	19.67	19.59		
5	256QAM	25	0	19.62	19.66	19.63		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.71	21.93	21.88		
3	QPSK	1	8	21.75	21.79	21.78	22.7	0
3	QPSK	1	14	21.70	21.78	21.77		
3	QPSK	8	0	21.74	21.82	21.76		
3	QPSK	8	4	21.67	21.75	21.65	22.7	0
3	QPSK	8	7	21.66	21.70	21.65		
3	QPSK	15	0	21.68	21.81	21.59		
3	16QAM	1	0	21.63	21.61	21.63		
3	16QAM	1	8	21.67	21.66	21.63	22.7	0
3	16QAM	1	14	21.60	21.75	21.65		
3	16QAM	8	0	21.54	21.69	21.48		
3	16QAM	8	4	21.59	21.66	21.50	22.7	0
3	16QAM	8	7	21.43	21.56	21.45		
3	16QAM	15	0	21.57	21.49	21.36		
3	64QAM	1	0	21.63	21.68	21.65		
3	64QAM	1	8	21.54	21.60	21.63	22.7	0
3	64QAM	1	14	21.54	21.71	21.65		
3	64QAM	8	0	21.58	21.58	21.50		
3	64QAM	8	4	21.76	21.74	21.66	22.7	0
3	64QAM	8	7	21.59	21.65	21.61		
3	64QAM	15	0	21.53	21.56	21.58		
3	256QAM	1	0	19.80	19.86	19.71		
3	256QAM	1	8	19.58	19.67	19.68	20.7	2
3	256QAM	1	14	19.69	19.87	19.67		
3	256QAM	8	0	19.58	19.74	19.45		
3	256QAM	8	4	19.51	19.69	19.54	20.7	2
3	256QAM	8	7	19.48	19.61	19.54		
3	256QAM	15	0	19.61	19.61	19.59		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.76	21.92	21.86		
1.4	QPSK	1	3	21.76	21.85	21.84		
1.4	QPSK	1	5	21.75	21.91	21.70	22.7	0
1.4	QPSK	3	0	21.73	21.77	21.69		
1.4	QPSK	3	1	21.75	21.88	21.76		
1.4	QPSK	3	3	21.65	21.69	21.59		
1.4	QPSK	6	0	21.70	21.72	21.61	22.7	0
1.4	16QAM	1	0	21.67	21.70	21.56		
1.4	16QAM	1	3	21.67	21.68	21.56		
1.4	16QAM	1	5	21.67	21.74	21.71	22.7	0
1.4	16QAM	3	0	21.49	21.71	21.55		
1.4	16QAM	3	1	21.57	21.60	21.54		
1.4	16QAM	3	3	21.46	21.64	21.58		
1.4	16QAM	6	0	21.44	21.44	21.40	22.7	0
1.4	64QAM	1	0	21.53	21.76	21.57		
1.4	64QAM	1	3	21.50	21.53	21.64		
1.4	64QAM	1	5	21.57	21.70	21.60	22.7	0
1.4	64QAM	3	0	21.47	21.59	21.45		
1.4	64QAM	3	1	21.68	21.79	21.69		
1.4	64QAM	3	3	21.62	21.65	21.62		
1.4	64QAM	6	0	21.49	21.63	21.47	22.7	0
1.4	256QAM	1	0	19.71	19.84	19.67		
1.4	256QAM	1	3	19.65	19.66	19.75		
1.4	256QAM	1	5	19.61	19.81	19.76	20.7	2
1.4	256QAM	3	0	19.66	19.77	19.51		
1.4	256QAM	3	1	19.49	19.67	19.54		
1.4	256QAM	3	3	19.54	19.63	19.50		
1.4	256QAM	6	0	19.57	19.64	19.59	20.7	2

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BW [MHz]	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	18.95	19.08	18.88	20.5	0
20	QPSK	1	49	18.84	18.94	18.74		
20	QPSK	1	99	18.90	18.97	18.83		
20	QPSK	50	0	18.91	19.04	18.78		
20	QPSK	50	24	18.88	18.94	18.81		
20	QPSK	50	50	18.75	18.90	18.87		
20	QPSK	100	0	18.80	18.96	18.87		
20	16QAM	1	0	18.76	18.90	18.85		
20	16QAM	1	49	18.87	18.89	18.76		
20	16QAM	1	99	18.84	18.92	18.78		
20	16QAM	50	0	18.81	18.78	18.75		
20	16QAM	50	24	18.70	18.77	18.69		
20	16QAM	50	50	18.65	18.78	18.72		
20	16QAM	100	0	18.72	18.75	18.50		
20	64QAM	1	0	18.88	18.91	18.72		
20	64QAM	1	49	18.69	18.75	18.68		
20	64QAM	1	99	18.80	18.83	18.75		
20	64QAM	50	0	18.66	18.76	18.70		
20	64QAM	50	24	18.85	19.00	18.91		
20	64QAM	50	50	18.73	18.86	18.86		
20	64QAM	100	0	18.71	18.79	18.79		
20	256QAM	1	0	18.94	19.04	18.95		
20	256QAM	1	49	18.78	18.88	18.92		
20	256QAM	1	99	18.80	19.02	18.90		
20	256QAM	50	0	18.79	18.97	18.73		
20	256QAM	50	24	18.79	18.81	18.73		
20	256QAM	50	50	18.71	18.82	18.73		
20	256QAM	100	0	18.73	18.78	18.73		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.85	18.97	18.75		
15	QPSK	1	37	18.68	18.88	18.69	20.5	0
15	QPSK	1	74	18.74	18.91	18.80		
15	QPSK	36	0	18.85	18.90	18.68		
15	QPSK	36	20	18.71	18.90	18.71	20.5	0
15	QPSK	36	39	18.60	18.83	18.79		
15	QPSK	75	0	18.63	18.90	18.76		
15	16QAM	1	0	18.70	18.85	18.72		
15	16QAM	1	37	18.75	18.80	18.66	20.5	0
15	16QAM	1	74	18.76	18.85	18.71		
15	16QAM	36	0	18.72	18.72	18.70		
15	16QAM	36	20	18.59	18.68	18.63	20.5	0
15	16QAM	36	39	18.60	18.65	18.69		
15	16QAM	75	0	18.58	18.61	18.50		
15	64QAM	1	0	18.79	18.74	18.68		
15	64QAM	1	37	18.56	18.60	18.68	20.5	0
15	64QAM	1	74	18.71	18.76	18.70		
15	64QAM	36	0	18.52	18.65	18.66		
15	64QAM	36	20	18.72	18.89	18.79	20.5	0
15	64QAM	36	39	18.64	18.77	18.74		
15	64QAM	75	0	18.61	18.74	18.64		
15	256QAM	1	0	18.87	18.99	18.91		
15	256QAM	1	37	18.72	18.75	18.79	20.5	0
15	256QAM	1	74	18.77	18.90	18.84		
15	256QAM	36	0	18.69	18.86	18.60		
15	256QAM	36	20	18.69	18.67	18.70	20.5	0
15	256QAM	36	39	18.62	18.71	18.69		
15	256QAM	75	0	18.64	18.75	18.60		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.88	19.00	18.73	20.5	0
10	QPSK	1	25	18.80	18.88	18.57		
10	QPSK	1	49	18.72	18.89	18.80		
10	QPSK	25	0	18.80	18.92	18.69		
10	QPSK	25	12	18.76	18.82	18.66	20.5	0
10	QPSK	25	25	18.63	18.85	18.82		
10	QPSK	50	0	18.72	18.89	18.75		
10	16QAM	1	0	18.61	18.86	18.76		
10	16QAM	1	25	18.83	18.85	18.64	20.5	0
10	16QAM	1	49	18.71	18.76	18.69		
10	16QAM	25	0	18.69	18.72	18.68		
10	16QAM	25	12	18.66	18.73	18.64	20.5	0
10	16QAM	25	25	18.55	18.65	18.76		
10	16QAM	50	0	18.63	18.71	18.56		
10	64QAM	1	0	18.73	18.66	18.72		
10	64QAM	1	25	18.55	18.66	18.73	20.5	0
10	64QAM	1	49	18.77	18.78	18.77		
10	64QAM	25	0	18.57	18.66	18.55		
10	64QAM	25	12	18.81	18.88	18.87	20.5	0
10	64QAM	25	25	18.62	18.78	18.75		
10	64QAM	50	0	18.57	18.63	18.74		
10	256QAM	1	0	18.90	18.93	18.86		
10	256QAM	1	25	18.74	18.80	18.86	20.5	0
10	256QAM	1	49	18.68	18.89	18.85		
10	256QAM	25	0	18.67	18.87	18.64		
10	256QAM	25	12	18.63	18.76	18.62	20.5	0
10	256QAM	25	25	18.56	18.67	18.59		
10	256QAM	50	0	18.65	18.74	18.67		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.79	18.95	18.78	20.5	0
5	QPSK	1	12	18.75	18.77	18.62		
5	QPSK	1	24	18.74	18.81	18.70		
5	QPSK	12	0	18.86	18.93	18.69		
5	QPSK	12	7	18.74	18.91	18.76	20.5	0
5	QPSK	12	13	18.64	18.84	18.70		
5	QPSK	25	0	18.68	18.83	18.81		
5	16QAM	1	0	18.62	18.85	18.74		
5	16QAM	1	12	18.77	18.83	18.59	20.5	0
5	16QAM	1	24	18.74	18.85	18.63		
5	16QAM	12	0	18.71	18.73	18.60		
5	16QAM	12	7	18.57	18.60	18.57	20.5	0
5	16QAM	12	13	18.57	18.67	18.66		
5	16QAM	25	0	18.60	18.71	18.64		
5	64QAM	1	0	18.83	18.72	18.59		
5	64QAM	1	12	18.60	18.67	18.55	20.5	0
5	64QAM	1	24	18.75	18.67	18.66		
5	64QAM	12	0	18.62	18.65	18.63		
5	64QAM	12	7	18.74	18.87	18.80	20.5	0
5	64QAM	12	13	18.65	18.72	18.80		
5	64QAM	25	0	18.61	18.71	18.76		
5	256QAM	1	0	18.86	18.99	18.87		
5	256QAM	1	12	18.71	18.76	18.79	20.5	0
5	256QAM	1	24	18.75	18.91	18.82		
5	256QAM	12	0	18.69	18.91	18.65		
5	256QAM	12	7	18.76	18.68	18.60	20.5	0
5	256QAM	12	13	18.64	18.74	18.58		
5	256QAM	25	0	18.62	18.65	18.66		

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BW [MHz]	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	21.52	21.59	21.49	22.2	0
20	QPSK	1	49	21.44	21.48	21.41		
20	QPSK	1	99	21.30	21.45	21.33		
20	QPSK	50	0	21.41	21.54	21.35		
20	QPSK	50	24	21.29	21.51	21.26		
20	QPSK	50	50	21.30	21.39	21.23		
20	QPSK	100	0	21.40	21.50	21.34		
20	16QAM	1	0	21.30	21.43	21.29		
20	16QAM	1	49	21.28	21.36	21.34		
20	16QAM	1	99	21.33	21.43	21.33		
20	16QAM	50	0	21.30	21.26	21.30		
20	16QAM	50	24	21.18	21.31	21.17		
20	16QAM	50	50	21.23	21.24	21.16		
20	16QAM	100	0	21.12	21.24	21.12		
20	64QAM	1	0	21.34	21.39	21.24		
20	64QAM	1	49	21.31	21.32	21.20		
20	64QAM	1	99	21.26	21.41	21.29		
20	64QAM	50	0	21.27	21.39	21.23		
20	64QAM	50	24	21.43	21.44	21.30		
20	64QAM	50	50	21.27	21.42	21.31		
20	64QAM	100	0	21.27	21.36	21.28		
20	256QAM	1	0	19.94	19.95	19.82		
20	256QAM	1	49	19.78	19.89	19.79	20.7	1.5
20	256QAM	1	99	19.80	19.94	19.82		
20	256QAM	50	0	19.67	19.82	19.64		
20	256QAM	50	24	19.65	19.70	19.74	20.7	1.5
20	256QAM	50	50	19.61	19.76	19.64		
20	256QAM	100	0	19.63	19.77	19.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.40	21.50	21.33		
15	QPSK	1	37	21.29	21.37	21.26	22.2	0
15	QPSK	1	74	21.16	21.40	21.29		
15	QPSK	36	0	21.27	21.49	21.22		
15	QPSK	36	20	21.21	21.35	21.20	22.2	0
15	QPSK	36	39	21.16	21.33	21.07		
15	QPSK	75	0	21.35	21.45	21.28		
15	16QAM	1	0	21.15	21.38	21.24		
15	16QAM	1	37	21.12	21.31	21.23	22.2	0
15	16QAM	1	74	21.24	21.34	21.24		
15	16QAM	36	0	21.23	21.18	21.17		
15	16QAM	36	20	21.13	21.19	21.11	22.2	0
15	16QAM	36	39	21.11	21.09	21.11		
15	16QAM	75	0	21.07	21.07	21.00		
15	64QAM	1	0	21.22	21.27	21.16		
15	64QAM	1	37	21.19	21.21	21.08	22.2	0
15	64QAM	1	74	21.18	21.29	21.14		
15	64QAM	36	0	21.15	21.33	21.17		
15	64QAM	36	20	21.38	21.32	21.17	22.2	0
15	64QAM	36	39	21.15	21.33	21.28		
15	64QAM	75	0	21.21	21.21	21.17		
15	256QAM	1	0	19.85	19.90	19.70		
15	256QAM	1	37	19.74	19.76	19.72	20.7	1.5
15	256QAM	1	74	19.74	19.80	19.72		
15	256QAM	36	0	19.57	19.71	19.51		
15	256QAM	36	20	19.52	19.56	19.63	20.7	1.5
15	256QAM	36	39	19.52	19.63	19.57		
15	256QAM	75	0	19.53	19.71	19.68		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.36	21.48	21.33	22.2	0
10	QPSK	1	25	21.38	21.31	21.38		
10	QPSK	1	49	21.15	21.38	21.27		
10	QPSK	25	0	21.31	21.48	21.31		
10	QPSK	25	12	21.15	21.37	21.22	22.2	0
10	QPSK	25	25	21.20	21.26	21.17		
10	QPSK	50	0	21.33	21.46	21.26		
10	16QAM	1	0	21.27	21.33	21.23		
10	16QAM	1	25	21.17	21.22	21.22	22.2	0
10	16QAM	1	49	21.27	21.28	21.22		
10	16QAM	25	0	21.25	21.13	21.24		
10	16QAM	25	12	21.14	21.20	21.07	22.2	0
10	16QAM	25	25	21.12	21.13	21.10		
10	16QAM	50	0	20.98	21.20

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.95	21.07	21.00	22.2	0
20	QPSK	1	49	20.89	20.99	20.79		
20	QPSK	1	99	20.92	21.02	20.82		
20	QPSK	50	0	20.92	21.01	20.95		
20	QPSK	50	24	20.83	20.94	20.86		
20	QPSK	50	50	20.78	20.95	20.87		
20	QPSK	100	0	20.89	20.98	20.82		
20	16QAM	1	0	20.74	20.84	20.79		
20	16QAM	1	49	20.87	20.83	20.77	22.2	0
20	16QAM	1	99	20.80	20.95	20.80		
20	16QAM	50	0	20.69	20.78	20.77		
20	16QAM	50	24	20.68	20.75	20.73	22.2	0
20	16QAM	50	50	20.62	20.70	20.70		
20	16QAM	100	0	20.60	20.71	20.51		
20	64QAM	1	0	20.76	20.84	20.74		
20	64QAM	1	49	20.70	20.79	20.71	22.2	0
20	64QAM	1	99	20.83	20.84	20.80		
20	64QAM	50	0	20.73	20.85	20.75		
20	64QAM	50	24	20.62	20.80	20.59	22.2	0
20	64QAM	50	50	20.72	20.84	20.71		
20	64QAM	100	0	20.75	20.86	20.73		
20	256QAM	1	0	19.39	19.51	19.38		
20	256QAM	1	49	19.26	19.33	19.34	20.7	1.5
20	256QAM	1	99	19.28	19.47	19.30		
20	256QAM	50	0	19.22	19.26	19.24		
20	256QAM	50	24	19.19	19.26	19.21	20.7	1.5
20	256QAM	50	50	19.13	19.25	19.14		
20	256QAM	100	0	19.21	19.25	19.23		
Channel				37525	38000	38175	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	0	20.88	21.01	20.89	22.2	0
15	QPSK	1	37	20.79	20.92	20.73		
15	QPSK	1	74	20.89	20.87	20.75		
15	QPSK	36	0	20.76	20.87	20.80		
15	QPSK	36	20	20.70	20.88	20.71	22.2	0
15	QPSK	36	39	20.69	20.81	20.80		
15	QPSK	75	0	20.77	20.82	20.72		
15	16QAM	1	0	20.63	20.76	20.65		
15	16QAM	1	37	20.73	20.68	20.61	22.2	0
15	16QAM	1	74	20.68	20.89	20.71		
15	16QAM	36	0	20.61	20.74	20.68		
15	16QAM	36	20	20.64	20.69	20.58	22.2	0
15	16QAM	36	39	20.47	20.54	20.65		
15	16QAM	75	0	20.45	20.61	20.46		
15	64QAM	1	0	20.60	20.71	20.62		
15	64QAM	1	37	20.63	20.64	20.58	22.2	0
15	64QAM	1	74	20.71	20.73	20.73		
15	64QAM	36	0	20.60	20.82	20.63		
15	64QAM	36	20	20.48	20.77	20.52	22.2	0
15	64QAM	36	39	20.63	20.80	20.67		
15	64QAM	75	0	20.64	20.78	20.65		
15	256QAM	1	0	19.29	19.48	19.28		
15	256QAM	1	37	19.22	19.22	19.23	20.7	1.5
15	256QAM	1	74	19.15	19.42	19.15		
15	256QAM	36	0	19.10	19.20	19.14		
15	256QAM	36	20	19.10	19.17	19.07	20.7	1.5
15	256QAM	36	39	19.02	19.13	19.04		
15	256QAM	75	0	19.11	19.17	19.12		
Channel				37500	38000	38200	Tune-up limit	MPR
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	0	20.98	21.03	20.92	22.2	0
10	QPSK	1	25	20.83	20.92	20.89		
10	QPSK	1	49	20.75	20.89	20.77		
10	QPSK	25	0	20.79	20.85	20.92		
10	QPSK	25	12	20.69	20.83	20.82	22.2	0
10	QPSK	25	25	20.64	20.87	20.79		
10	QPSK	50	0	20.79	20.82	20.71		
10	16QAM	1	0	20.63	20.79	20.72		
10	16QAM	1	25	20.82	20.68	20.64	22.2	0
10	16QAM	1	49	20.63	20.83	20.71		
10	16QAM	25	0	20.63	20.61	20.65		
10	16QAM	25	12	20.55	20.71	20.65	22.2	0
10	16QAM	25	25	20.55	20.57	20.65		
10	16QAM	50	0	20.44	20.60	20.35		
10	64QAM	1	0	20.65	20.74	20.70		
10	64QAM	1	25	20.59	20.83	20.59	22.2	0
10	64QAM	1	49	20.74	20.77	20.70		
10	64QAM	25	0	20.69	20.77	20.68		
10	64QAM	25	12	20.49	20.66	20.51	22.2	0
10	64QAM	25	25	20.57	20.72	20.62		
10	64QAM	50	0	20.63	20.81	20.69		
10	256QAM	1	0	19.34	19.38	19.32		
10	256QAM	1	25	19.23	19.28	19.30	20.7	1.5
10	256QAM	1	49	19.14	19.39	19.24		
10	256QAM	25	0	19.13	19.19	19.16		
10	256QAM	25	12	19.16	19.15	19.12	20.7	1.5
10	256QAM	25	25	18.99	19.21	19.02		
10	256QAM	50	0	19.13	19.11	19.12		
Channel				37775	38000	38225	Tune-up limit	MPR
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	20.87	21.00	20.93	22.2	0
5	QPSK	1	12	20.81	20.92	20.63		
5	QPSK	1	24	20.83	20.94	20.74		
5	QPSK	12	0	20.76	20.85	20.87		
5	QPSK	12	7	20.68	20.77	20.82	22.2	0
5	QPSK	12	13	20.64	20.86	20.82		
5	QPSK	25	0	20.80	20.90	20.71		
5	16QAM	1	0	20.69	20.78	20.70		
5	16QAM	1	12	20.76	20.76	20.73	22.2	0
5	16QAM	1	24	20.65	20.79	20.71		
5	16QAM	12	0	20.57	20.86	20.74		
5	16QAM	12	7	20.56	20.62	20.66	22.2	0
5	16QAM	12	13	20.54	20.61	20.66		
5	16QAM	25	0	20.49	20.63	20.39		
5	64QAM	1	0	20.61	20.67	20.66		
5	64QAM	1	12	20.64	20.74	20.58	22.2	0
5	64QAM	1	24	20.70	20.71	20.70		
5	64QAM	12	0	20.66	20.74	20.70		
5	64QAM	12	7	20.50	20.72	20.52	22.2	0
5	64QAM	12	13	20.64	20.80	20.68		
5	64QAM	25	0	20.70	20.74	20.69		
5	256QAM	1	0	19.34	19.36	19.30		
5	256QAM	1	12	19.17	19.27	19.31	20.7	1.5
5	256QAM	1	24	19.13	19.35	19.21		
5	256QAM	12	0	19.16	19.13	19.14		
5	256QAM	12	7	19.05	19.14	19.17	20.7	1.5
5	256QAM	12	13	19.03	19.14	19.09		
5	256QAM	25	0	19.15	19.18	19.11		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.39	22.41	22.46	22.36	22.32	23.2	0
20	QPSK	1	49	22.26	22.26	22.41	22.23	22.25		
20	QPSK	1	99	22.33	22.31	22.39	22.19	22.23		
20	QPSK	50	0	22.38	22.25	22.42	22.37	22.28		
20	QPSK	50	24	22.18	22.19	22.33	22.29	22.24		
20	QPSK	50	50	22.25	22.23	22.34	22.26	22.31		
20	QPSK	100	0	22.23	22.34	22.37	22.16	22.30		
20	16QAM	1	0	22.04	22.09	22.18	22.21	22.02		
20	16QAM	1	49	22.21	22.24	22.27	22.12	22.20	23.2	0
20	16QAM	1	99	22.17	22.22	22.28	22.14	22.13		
20	16QAM	50	0	22.14	22.03	22.24	22.17	22.17		
20	16QAM	50	24	22.10	22.15	22.20	22.18	22.13	23.2	0
20	16QAM	50	50	22.05	22.04	22.10	22.08	21.98		
20	16QAM	100	0	22.09	21.96	22.13	21.95	21.97		
20	64QAM	1	0	22.03	22.13	22.18	22.20	22.01		
20	64QAM	1	49	22.05	22.10	22.16	22.05	22.05	23.2	0
20	64QAM	1	99	22.13	22.24	22.18	22.22	22.11		
20	64QAM	50	0	21.57	21.65	21.80	21.70	21.67		
20	64QAM	50	24	21.47	21.51	21.66	21.47	21.52	22.7	0.5
20	64QAM	50	50	21.51	21.57	21.74	21.58	21.59		
20	64QAM	100	0	21.46	21.66	21.81	21.61	21.78		
20	256QAM	1	0	19.68	19.79	19.87	19.79	19.79		
20	256QAM	1	49	19.67	19.68	19.78	19.77	19.68	20.7	2.5
20	256QAM	1	99	19.68	19.74	19.85	19.74	19.80		
20	256QAM	50	0	19.50	19.66	19.67	19.67	19.53		
20	256QAM	50	24	19.60	19.65	19.70	19.60	19.67	20.7	2.5
20	256QAM	50	50	19.46	19.48	19.64	19.53	19.50		
20	256QAM	100	0	19.50	19.56	19.61	19.51	19.62		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)	(dB)
15	QPSK	1	0	22.25	22.28	22.42	22.31	22.29	23	0
15	QPSK	1	37	22.19	22.22	22.36	22.15	22.13		
15	QPSK	1	74	22.26	22.15	22.35	22.09	22.08		
15	QPSK	36	0	22.27	22.19	22.28	22.32	22.15		
15	QPSK	36	20	22.03	22.14	22.20	22.23	22.11	23.2	0
15	QPSK	36	39	22.19	22.13	22.21	22.12	22.16		
15	QPSK	75	0	22.14	22.24	22.30	22.03	22.19		
15	16QAM	1	0	21.99	21.92	22.11	22.07	21.92		
15	16QAM	1	37	22.08	22.17	22.19	22.01	22.06	23.2	0
15	16QAM	1	74	22.08	22.06	22.22	22.02	22.04		
15	16QAM	36	0	22.01	21.96	22.12	22.05	22.04		
15	16QAM	36	20	21.94	22.05	22.04	22.05	22.04	23.2	0
15	16QAM	36	39	21.91	22.01	21.94	21.97	21.94		
15	16QAM	75	0	21.99	21.87	22.03	21.84	21.93		
15	64QAM	1	0	21.98	22.07	22.10	22.14	21.85		
15	64QAM	1	37	21.91	22.04	22.07	21.96	21.95	23.2	0
15	64QAM	1	74	22.02	22.12	22.10	22.07	22.01		
15	64QAM	36	0	21.53	21.60	21.68	21.67	21.63		
15	64QAM	36	20	21.35	21.47	21.60	21.34	21.46	22.7	0.5
15	64QAM	36	39	21.42	21.47	21.60	21.47	21.46		
15	64QAM	75	0	21.34	21.52	21.75	21.53	21.64		
15	256QAM	1	0	19.58	19.66	19.77	19.75	19.64		
15	256QAM	1	37	19.56	19.56	19.70	19.73	19.64	20.7	2.5
15	256QAM	1	74	19.55	19.62	19.78	19.64	19.76		
15	256QAM	36	0	19.42	19.58	19.57	19.58	19.48		
15	256QAM	36	20	19.52	19.60	19.61	19.46	19.59	20.7	2.5
15	256QAM	36	39	19.39	19.38	19.59	19.49	19.41		
15	256QAM	75	0	19.41	19.56	19.57	19.52	19.55		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	22.28	22.34	22.40	22.24	22.18	23	0
10	QPSK	1	25	22.12	22.10	22.30	22.13	22.13		
10	QPSK	1	49	22.28	22.20	22.25	22.11	22.09		
10	QPSK	25	0	22.25	22.08	22.27	22.31	22.21		
10	QPSK	25	12	22.07	22.16	22.22	22.15	22.17	23.2	0
10	QPSK	25	25	22.10	22.13	22.26	22.19	22.19		
10	QPSK	50	0	22.19	22.23	22.30	22.13	22.21		
10	16QAM	1	0	22.01	22.04	22.08	22.11	21.87		
10	16QAM	1	25	22.08	22.20	22.21	21.97	22.17	23.2	0
10	16QAM	1	49	22.04	22.18	22.23	21.98	22.08		
10	16QAM	25	0	22.00	21.92	22.19	22.07	22.00		
10	16QAM	25	12	22.05	22.03	22.12	22.04	21.99	23.2	0
10	16QAM	25	25	21.95	21.90	22.07	22.04	21.85		
10	16QAM	50	0	21.92	21.91	21.98	21.79	21.84		
10	64QAM	1	0	21.96	22.05	22.09	22.16	21.92		
10	64QAM	1	25	21.89	21.94	22.08	21.96	22.01	23.2	0
10	64QAM	1	49	22.04	22.19	22.07	22.14	21.96		
10	64QAM	25	0	21.53	21.60	21.68	21.65	21.53		
10	64QAM	25	12	21.40	21.38	21.57	21.39	21.43	22.7	0.5
10	64QAM	25	25	21.45	21.47	21.69	21.54	21.46		
10	64QAM	50	0	21.34	21.62	21.76	21.48	21.69		
10	256QAM	1	0	19.60	19.71	19.75	19.66	19.66		
10	256QAM	1	25	19.55	19.61	19.67	19.62	19.54	20.7	2.5
10	256QAM	1	49	19.54	19.60	19.72	19.62	19.71		
10	256QAM	25	0	19.37	19.55	19.53	19.54	19.43		
10	256QAM	25	12	19.48	19.58	19.60	19.45	19.53	20.7	2.5
10	256QAM	25	25	19.39	19.38	19.56	19.49	19.37		
10	256QAM	50	0	19.44	19.50	19.61	19.60	19.54		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5	(dBm)	(dB)
5	QPSK	1	0	22.25	22.33	22.38	22.20	22.27	23	0
5	QPSK	1	12	22.14	22.19	22.31	22.18	22.11		
5	QPSK	1	24	22.24	22.20	22.27	22.09	22.12		
5	QPSK	12	0	22.34	22.11	22.25	22.21	22.14		
5	QPSK	12	7	22.05	22.14	22.30	22.16	22.10	23.2	0
5	QPSK	12	13	22.22	22.12	22.22	22.21	22.26		
5	QPSK	25	0	22.11	22.30	22.34	22.04	22.15		
5	16QAM	1	0	21.98	22.01	22.12	22.10	21.93		
5	16QAM	1	12	22.10	22.15	22.15	21.98	22.07	23.2	0
5	16QAM	1	24	22.04	22.14	22.19	22.10	21.97		
5	16QAM	12	0	22.09	21.99	22.13	22.06	22.12		
5	16QAM	12	7	22.03	22.06	22.10	22.14	22.05	23.2	0
5	16QAM	12	13	21.97	21.98	21.94	22.03	21.93		
5	16QAM	25	0	21.95	21.85	21.96	21.89	21.93		
5	64QAM	1	0	21.92	21.97	22.02	22.07	21.93		
5	64QAM	1	12	22.04	22.06	21.99	21.93	22.01	23.2	0
5	64QAM	1	24	21.98	22.11	22.12	22.18	22.06		
5	64QAM	12	0	21.52	21.59	21.74	21.67	21.55		
5	64QAM	12	7	21.35	21.40	21.55	21.42	21.46	22.7	0.5
5	64QAM	12	13	21.44	21.43	21.59	21.51	21.54		
5	64QAM	25	0	21.37	21.61	21.68	21.51	21.67		
5	256QAM	1	0	19.57	19.69	19.82	19.75	19.68		
5	256QAM	1	12	19.59	19.53	19.70	19.65	19.55	20.7	2.5
5	256QAM	1	24	19.62	19.60	19.72	19.64	19.67		
5	256QAM	12	0	19.46	19.53	19.61	19.60	19.40		
5	256QAM	12	7	19.48	19.58	19.62	19.55	19.53	20.7	2.5
5	256QAM	12	13	19.31	19.36	19.59	19.45	19.39		
5	256QAM	25	0	19.36	19.56	19.57	19.54	19.54		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.41	24.51	24.47	25.2	0
20	QPSK	1	49	24.27	24.41	24.32		
20	QPSK	1	99	24.27	24.38	24.46		
20	QPSK	50	0	23.83	23.90	23.88	24.7	0.5
20	QPSK	50	24	23.72	23.84	23.75		
20	QPSK	50	50	23.80	23.77	23.74		
20	QPSK	100	0	23.76	23.89	23.79		
20	16QAM	1	0	23.59	23.78	23.67	24.7	0.5
20	16QAM	1	49	23.58	23.79	23.60		
20	16QAM	1	99	23.58	23.68	23.55		
20	16QAM	50	0	22.78	22.93	22.84	23.7	1.5
20	16QAM	50	24	22.72	22.86	22.73		
20	16QAM	50	50	22.70	22.76	22.73		
20	16QAM	100	0	22.86	22.89	22.82		
20	64QAM	1	0	22.61	22.68	22.74	23.7	1.5
20	64QAM	1	49	22.51	22.68	22.65		
20	64QAM	1	99	22.75	22.73	22.65		
20	64QAM	50	0	21.71	21.76	21.84	22.7	2.5
20	64QAM	50	24	21.69	21.80	21.76		
20	64QAM	50	50	21.82	21.86	21.66		
20	64QAM	100	0	21.81	21.79	21.84		
20	256QAM	1	0	20.00	20.06	20.04	20.7	4.5
20	256QAM	1	49	19.82	19.87	19.79		
20	256QAM	1	99	19.90	20.08	19.92		
20	256QAM	50	0	19.76	19.90	19.74	20.7	4.5
20	256QAM	50	24	19.73	19.78	19.78		
20	256QAM	50	50	19.67	19.87	19.70		
20	256QAM	100	0	19.61	19.75	19.90		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.33	24.39	24.37	25.2	0
15	QPSK	1	37	24.18	24.35	24.19		
15	QPSK	1	74	24.15	24.29	24.39		
15	QPSK	36	0	23.84	23.77	23.71	24.7	0.5
15	QPSK	36	20	23.60	23.71	23.64		
15	QPSK	36	39	23.69	23.72	23.73		
15	QPSK	75	0	23.73	23.71	23.70		
15	16QAM	1	0	23.50	23.71	23.59	24.7	0.5
15	16QAM	1	37	23.48	23.64	23.51		
15	16QAM	1	74	23.44	23.45	23.53		
15	16QAM	36	0	22.64	22.90	22.76	23.7	1.5
15	16QAM	36	20	22.65	22.79	22.67		
15	16QAM	36	39	22.66	22.71	22.59		
15	16QAM	75	0	22.78	22.67	22.67		
15	64QAM	1	0	22.57	22.57	22.61	23.7	1.5
15	64QAM	1	37	22.46	22.61	22.56		
15	64QAM	1	74	22.53	22.70	22.59		
15	64QAM	36	0	21.70	21.66	21.79	22.7	2.5
15	64QAM	36	20	21.65	21.70	21.71		
15	64QAM	36	39	21.72	21.74	21.52		
15	64QAM	75	0	21.62	21.71	21.79		
15	256QAM	1	0	19.91	19.89	19.92	20.7	4.5
15	256QAM	1	37	19.73	19.77	19.71		
15	256QAM	1	74	19.68	19.95	19.75		
15	256QAM	36	0	19.64	19.72	19.61	20.7	4.5
15	256QAM	36	20	19.62	19.69	19.75		
15	256QAM	36	39	19.52	19.78	19.59		
15	256QAM	75	0	19.55	19.65	19.68		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.32	24.43	24.48	25.2	0
10	QPSK	1	25	24.23	24.31	24.19		
10	QPSK	1	49	24.14	24.29	24.31		
10	QPSK	25	0	23.83	23.75	23.67	24.7	0.5
10	QPSK	25	12	23.67	23.80	23.65		
10	QPSK	25	25	23.68	23.64	23.72		
10	QPSK	50	0	23.78	23.71	23.67		
10	16QAM	1	0	23.54	23.65	23.52	24.7	0.5
10	16QAM	1	25	23.52	23.60	23.53		
10	16QAM	1	49	23.48	23.52	23.44		
10	16QAM	25	0	22.62	22.81	22.75	23.7	1.5
10	16QAM	25	12	22.60	22.75	22.58		
10	16QAM	25	25	22.65	22.66	22.63		
10	16QAM	50	0	22.65	22.75	22.69		
10	64QAM	1	0	22.51	22.59	22.52	23.7	1.5
10	64QAM	1	25	22.40	22.49	22.48		
10	64QAM	1	49	22.64	22.71	22.55		
10	64QAM	25	0	21.64	21.69	21.74	22.7	2.5
10	64QAM	25	12	21.67	21.63	21.60		
10	64QAM	25	25	21.72	21.78	21.58		
10	64QAM	50	0	21.64	21.78	21.77		
10	256QAM	1	0	19.91	19.96	19.94	20.7	4.5
10	256QAM	1	25	19.72	19.80	19.76		
10	256QAM	1	49	19.76	19.98	19.72		
10	256QAM	25	0	19.60	19.69	19.58	20.7	4.5
10	256QAM	25	12	19.64	19.61	19.75		
10	256QAM	25	25	19.55	19.74	19.55		
10	256QAM	50	0	19.61	19.71	19.77		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.33	24.47	24.34	25.2	0
5	QPSK	1	12	24.21	24.36	24.18		
5	QPSK	1	24	24.13	24.23	24.39		
5	QPSK	12	0	23.76	23.86	23.76	24.7	0.5
5	QPSK	12	7	23.60	23.72	23.66		
5	QPSK	12	13	23.74	23.71	23.69		
5	QPSK	25	0	23.73	23.78	23.71		
5	16QAM	1	0	23.57	23.70	23.53	24.7	0.5
5	16QAM	1	12	23.52	23.72	23.57		
5	16QAM	1	24	23.52	23.57	23.52		
5	16QAM	12	0	22.62	22.81	22.84	23.7	1.5
5	16QAM	12	7	22.61	22.78	22.62		
5	16QAM	12	13	22.63	22.68	22.66		
5	16QAM	25	0	22.74	22.71	22.73		
5	64QAM	1	0	22.51	22.66	22.56	23.7	1.5
5	64QAM	1	12	22.43	22.49	22.52		
5	64QAM	1	24	22.63	22.68	22.50		
5	64QAM	12	0	21.64	21.79	21.79	22.7	2.5
5	64QAM	12	7	21.62	21.73	21.67		
5	64QAM	12	13	21.74	21.81	21.55		
5	64QAM	25	0	21.65	21.74	21.70		
5	256QAM	1	0	19.96	19.95	19.88	20.7	4.5
5	256QAM	1	12	19.79	19.81	19.73		
5	256QAM	1	24	19.74	19.97	19.77		
5	256QAM	12	0	19.58	19.80	19.67	20.7	4.5
5	256QAM	12	7	19.60	19.65	19.62		
5	256QAM	12	13	19.53	19.67	19.50		
5	256QAM	25	0	19.55	19.75	19.71		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.75	22.81	22.88	22.72	22.76	23.2	0
20	QPSK	1	49	22.60	22.80	22.87	22.70	22.68		
20	QPSK	1	99	22.64	22.73	22.77	22.72	22.70		
20	QPSK	50	0	22.74	22.83	22.87	22.73	22.75		
20	QPSK	50	24	22.69	22.73	22.78	22.72	22.72		
20	QPSK	50	50	22.72	22.81	22.76	22.76	22.79		
20	QPSK	100	0	22.75	22.78	22.85	22.77	22.72		
20	16QAM	1	0	22.70	22.73	22.82	22.66	22.69	23.2	0
20	16QAM	1	49	22.72	22.72	22.85	22.72	22.72		
20	16QAM	1	99	22.62	22.79	22.76	22.74	22.77		
20	16QAM	50	0	22.64	22.82	22.78	22.76	22.81	23.2	0
20	16QAM	50	24	22.65	22.76	22.86	22.71	22.73		
20	16QAM	50	50	22.67	22.81	22.85	22.65	22.71		
20	16QAM	100	0	22.65	22.77	22.85	22.66	22.70		
20	64QAM	1	0	22.64	22.73	22.79	22.73	22.69	23.2	0
20	64QAM	1	49	22.64	22.81	22.83	22.73	22.74		
20	64QAM	1	99	22.64	22.72	22.85	22.77	22.76		
20	64QAM	50	0	22.13	22.33	22.35	22.15	22.18	22.7	0.5
20	64QAM	50	24	22.22	22.31	22.34	22.18	22.30		
20	64QAM	50	50	22.17	22.29	22.37	22.25	22.28		
20	64QAM	100	0	22.13	22.32	22.33	22.19	22.29		
20	256QAM	1	0	20.19	20.32	20.27	20.25	20.26	20.7	2.5
20	256QAM	1	49	20.14	20.26	20.34	20.16	20.21		
20	256QAM	1	99	20.17	20.25	20.37	20.24	20.29		
20	256QAM	50	0	20.12	20.22	20.30	20.17	20.25	20.7	2.5
20	256QAM	50	24	20.10	20.32	20.32	20.14	20.26		
20	256QAM	50	50	20.17	20.23	20.32	20.14	20.20		
20	256QAM	100	0	20.15	20.33	20.32	20.26	20.22		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.54	22.70	22.81	22.63	22.62	23	0
15	QPSK	1	37	22.52	22.67	22.80	22.63	22.60		
15	QPSK	1	74	22.53	22.65	22.63	22.64	22.62		
15	QPSK	36	0	22.68	22.77	22.75	22.69	22.64	23.2	0
15	QPSK	36	20	22.56	22.63	22.64	22.56	22.58		
15	QPSK	36	39	22.61	22.70	22.69	22.61	22.75		
15	QPSK	75	0	22.55	22.73	22.63	22.72	22.60		
15	16QAM	1	0	22.55	22.62	22.76	22.56	22.59	23.2	0
15	16QAM	1	37	22.59	22.56	22.77	22.60	22.64		
15	16QAM	1	74	22.58	22.75	22.72	22.71	22.72		
15	16QAM	36	0	22.56	22.68	22.72	22.60	22.71	23.2	0
15	16QAM	36	20	22.58	22.69	22.74	22.58	22.69		
15	16QAM	36	39	22.53	22.73	22.81	22.49	22.56		
15	16QAM	75	0	22.62	22.65	22.69	22.60	22.61		
15	64QAM	1	0	22.49	22.59	22.66	22.62	22.65	23.2	0
15	64QAM	1	37	22.61	22.73	22.74	22.61	22.71		
15	64QAM	1	74	22.57	22.58	22.77	22.61	22.69		
15	64QAM	36	0	22.09	22.28	22.31	22.00	22.09	22.7	0.5
15	64QAM	36	20	22.10	22.16	22.19	22.08	22.20		
15	64QAM	36	39	22.01	22.18	22.25	22.21	22.22		
15	64QAM	75	0	21.98	22.20	22.26	22.08	22.16		
15	256QAM	1	0	20.07	20.20	20.13	20.17	20.18	20.7	2.5
15	256QAM	1	37	19.97	20.15	20.24	20.06	20.05		
15	256QAM	1	74	20.12	20.11	20.20	20.14	20.12		
15	256QAM	36	0	19.96	20.12	20.17	20.00	20.16	20.7	2.5
15	256QAM	36	20	20.06	20.18	20.25	19.99	20.12		
15	256QAM	36	39	20.05	20.10	20.20	20.10	20.11		
15	256QAM	75	0	19.98	20.19	20.17	20.14	20.16		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.50	22.72	22.77	22.61	22.62	23	0
10	QPSK	1	25	22.44	22.68	22.83	22.60	22.56		
10	QPSK	1	49	22.60	22.63	22.61	22.58	22.55		
10	QPSK	25	0	22.61	22.74	22.80	22.59	22.66	23.2	0
10	QPSK	25	12	22.60	22.60	22.74	22.68	22.58		
10	QPSK	25	25	22.56	22.67	22.72	22.68	22.74		
10	QPSK	50	0	22.46	22.72	22.73	22.62	22.69		
10	16QAM	1	0	22.55	22.64	22.74	22.57	22.60	23.2	0
10	16QAM	1	25	22.69	22.58	22.73	22.64	22.61		
10	16QAM	1	49	22.51	22.74	22.67	22.62	22.71		
10	16QAM	25	0	22.49	22.66	22.74	22.59	22.76	23.2	0
10	16QAM	25	12	22.51	22.59	22.73	22.57	22.58		
10	16QAM	25	25	22.61	22.77	22.83	22.57	22.57		
10	16QAM	50	0	22.51	22.73	22.81	22.54	22.63		
10	64QAM	1	0	22.55	22.62	22.71	22.57	22.62	23.2	0
10	64QAM	1	25	22.54	22.74	22.70	22.62	22.70		
10	64QAM	1	49	22.61	22.68	22.70	22.66	22.61		
10	64QAM	25	0	21.99	22.28	22.27	22.11	22.07	22.7	0.5
10	64QAM	25	12	22.07	22.24	22.29	22.06	22.21		
10	64QAM	25	25	22.12	22.19	22.28	22.16	22.18		
10	64QAM	50	0	21.99	22.23	22.28	22.11	22.22		
10	256QAM	1	0	20.13	20.21	20.15	20.11	20.17	20.7	2.5
10	256QAM	1	25	20.00	20.09	20.25	20.11	20.17		
10	256QAM	1	49	20.11	20.22	20.31	20.10	20.17		
10	256QAM	25	0	20.09	20.10	20.14	20.00	20.13	20.7	2.5
10	256QAM	25	12	20.01	20.29	20.21	20.08	20.10		
10	256QAM	25	25	20.04	20.10	20.20	20.08	20.16		
10	256QAM	50	0	20.01	20.20	20.18	20.16	20.16		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.50	22.75	22.80	22.64	22.61	23	0
5	QPSK	1	12	22.50	22.72	22.82	22.58	22.60		
5	QPSK	1	24	22.54	22.59	22.62	22.59	22.56		
5	QPSK	12	0	22.61	22.68	22.77	22.57	22.66	23.2	0
5	QPSK	12	7	22.56	22.60	22.66	22.55	22.66		
5	QPSK	12	13	22.66	22.70	22.62	22.64	22.76		
5	QPSK	25	0	22.54	22.72	22.72	22.73	22.61		
5	16QAM	1	0	22.66	22.69	22.71	22.56	22.59	23.2	0
5	16QAM	1	12	22.66	22.59	22.80	22.65	22.57		
5	16QAM	1	24	22.48	22.68	22.69	22.61	22.62		
5	16QAM	12	0	22.51	22.77	22.64	22.72	22.72	23.2	0
5	16QAM	12	7	22.57	22.73	22.83	22.59	22.66		
5	16QAM	12	13	22.54	22.74	22.81	22.53	22.56		
5	16QAM	25	0	22.62	22.63	22.72	22.58	22.66		
5	64QAM	1	0	22.51	22.68	22.64	22.62	22.57	23.2	0
5	64QAM	1	12	22.55	22.71	22.68	22.67	22.69		
5	64QAM	1	24	22.54	22.58	22.71	22.62	22.62		
5	64QAM	12	0	22.00	22.25	22.20	22.09	22.13	22.7	0.5
5	64QAM	12	7	22.17	22.25	22.18	22.08	22.26		
5	64QAM	12	13	22.03	22.14	22.26	22.11	22.22		
5	64QAM	25	0	22.00	22.16	22.24	22.13	22.23		
5	256QAM	1	0	20.05	20.27	20.21	20.08	20.22	20.7	2.5
5	256QAM	1	12	19.98	20.13	20.18	20.03	20.13		
5	256QAM	1	24	20.10	20.11	20.27	20.17	20.12		
5	256QAM	12	0	19.99	20.06	20.24	20.00	20.21	20.7	2.5
5	256QAM	12	7	20.07	20.27	20.15	19.99	20.21		
5	256QAM	12	13	20.03	20.07	20.27	20.11	20.15		
5	256QAM	25	0	19.99	20.28	20.23	20.13	20.14		

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BW [MHz]	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	23.44	23.56	23.40		
20	QPSK	1	49	23.40	23.53	23.34	24.7	0
20	QPSK	1	99	22.34	23.43	23.44		
20	QPSK	50	0	23.44	23.55	23.44		
20	QPSK	50	24	23.47	23.51	23.33	24.7	0
20	QPSK	50	50	23.48	23.46	23.42		
20	QPSK	100	0	23.45	23.48	23.37		
20	16QAM	1	0	23.46	23.44	23.38		
20	16QAM	1	49	23.46	23.45	23.44	24.7	0
20	16QAM	1	99	23.40	23.43	23.33		
20	16QAM	50	0	22.24	22.40	22.30		
20	16QAM	50	24	22.25	22.29	22.20	23.7	1
20	16QAM	50	50	22.17	22.35	22.22		
20	16QAM	100	0	22.26	22.41	22.30		
20	64QAM	1	0	22.20	22.23	22.15		
20	64QAM	1	49	22.09	22.18	22.11	23.7	1
20	64QAM	1	99	22.27	22.23	22.16		
20	64QAM	50	0	21.33	21.39	21.34		
20	64QAM	50	24	21.15	21.28	21.20	22.7	2
20	64QAM	50	50	21.24	21.29	21.23		
20	64QAM	100	0	21.29	21.37	21.31		
20	256QAM	1	0	19.48	19.60	19.40		
20	256QAM	1	49	19.40	19.34	19.39	20.7	4
20	256QAM	1	99	19.34	19.48	19.45		
20	256QAM	50	0	19.32	19.42	19.23		
20	256QAM	50	24	19.18	19.26	19.23	20.7	4
20	256QAM	50	50	19.12	19.25	19.29		
20	256QAM	100	0	19.23	19.38	19.22		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.28	23.48	23.32		
15	QPSK	1	37	23.26	23.38	23.21	24.7	0
15	QPSK	1	74	23.35	23.28	23.38		
15	QPSK	36	0	23.30	23.45	23.36		
15	QPSK	36	20	23.33	23.41	23.17	24.7	0
15	QPSK	36	39	23.33	23.29	23.26		
15	QPSK	75	0	23.37	23.32	23.27		
15	16QAM	1	0	23.31	23.29	23.33		
15	16QAM	1	37	23.32	23.37	23.32	24.7	0
15	16QAM	1	74	23.34	23.29	23.25		
15	16QAM	36	0	22.12	22.29	22.17		
15	16QAM	36	20	22.20	22.23	22.15	23.7	1
15	16QAM	36	39	22.08	22.26	22.09		
15	16QAM	75	0	22.11	22.27	22.25		
15	64QAM	1	0	22.09	22.12	22.08		
15	64QAM	1	37	21.96	22.04	21.98	23.7	1
15	64QAM	1	74	22.15	22.19	22.13		
15	64QAM	36	0	21.21	21.29	21.23		
15	64QAM	36	20	21.02	21.14	21.10	22.7	2
15	64QAM	36	39	21.21	21.24	21.18		
15	64QAM	75	0	21.22	21.33	21.22		
15	256QAM	1	0	19.34	19.54	19.35		
15	256QAM	1	37	19.32	19.38	19.30	20.7	4
15	256QAM	1	74	19.30	19.40	19.30		
15	256QAM	36	0	19.21	19.33	19.09		
15	256QAM	36	20	19.13	19.14	19.19	20.7	4
15	256QAM	36	39	18.97	19.21	19.19		
15	256QAM	75	0	19.08	19.27	19.19		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.30	23.45	23.29		
10	QPSK	1	25	23.29	23.43	23.26	24.7	0
10	QPSK	1	49	23.27	23.35	23.33		
10	QPSK	25	0	23.38	23.45	23.30		
10	QPSK	25	12	23.43	23.45	23.21	24.7	0
10	QPSK	25	25	23.41	23.33	23.35		
10	QPSK	50	0	23.40	23.41	23.31		
10	16QAM	1	0	23.39	23.37	23.23		
10	16QAM	1	25	23.33	23.36	23.38	24.7	0
10	16QAM	1	49	23.25	23.30	23.20		
10	16QAM	25	0	22.21	22.36	22.24		
10	16QAM	25	12	22.20	22.25	22.13	23.7	1
10	16QAM	25	25	22.07	22.31	22.10		
10	16QAM	50	0	22.17	22.32	22.21		
10	64QAM	1	0	22.15	22.11	22.01		
10	64QAM	1	25	22.01	22.06	21.98	23.7	1
10	64QAM	1	49	22.18	22.15	22.03		
10	64QAM	25	0	21.23	21.31	21.21		
10	64QAM	25	12	21.05	21.20	21.11	22.7	2
10	64QAM	25	25	21.20	21.24	21.16		
10	64QAM	50	0	21.20	21.24	21.27		
10	256QAM	1	0	19.41	19.56	19.33		
10	256QAM	1	25	19.31	19.23	19.24	20.7	4
10	256QAM	1	49	19.20	19.38	19.34		
10	256QAM	25	0	19.24	19.27	19.15		
10	256QAM	25	12	19.07	19.17	19.14	20.7	4
10	256QAM	25	25	19.04	19.18	19.24		
10	256QAM	50	0	19.14	19.25	19.13		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.35	23.45	23.28		
5	QPSK	1	12	23.32	23.46	23.22	24.7	0
5	QPSK	1	24	23.33	23.29	23.39		
5	QPSK	12	0	23.38	23.42	23.39		
5	QPSK	12	7	23.35	23.47	23.19	24.7	0
5	QPSK	12	13	23.43	23.37	23.28		
5	QPSK	25	0	23.30	23.40	23.24		
5	16QAM	1	0	23.39	23.38	23.30		
5	16QAM	1	12	23.41	23.31	23.29	24.7	0
5	16QAM	1	24	23.36	23.30	23.25		
5	16QAM	12	0	22.21	22.29	22.16		
5	16QAM	12	7	22.14	22.25	22.05	23.7	1
5	16QAM	12	13	22.05	22.28	22.13		
5	16QAM	25	0	22.21	22.33	22.22		
5	64QAM	1	0	22.16	22.15	22.03		
5	64QAM	1	12	21.95	22.06	22.07	23.7	1
5	64QAM	1	24	22.24	22.10	22.04		
5	64QAM	12	0	21.28	21.28	21.27		
5	64QAM	12	7	21.01	21.23	21.07	22.7	2
5	64QAM	12	13	21.13	21.16	21.15		
5	64QAM	25	0	21.15	21.25	21.23		
5	256QAM	1	0	19.42	19.51	19.26		
5	256QAM	1	12	19.36	19.20	19.30	20.7	4
5	256QAM	1	24	19.28	19.34	19.35		
5	256QAM	12	0	19.18	19.33	19.19		
5	256QAM	12	7	19.11	19.17	19.14	20.7	4
5	256QAM	12	13	19.02	19.22	19.17		
5	256QAM	25	0	19.11	19.28	19.13		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.30	23.52	23.31		
3	QPSK	1	8	23.29	23.38	23.28	24.7	0
3	QPSK	1	14	23.35	23.28	23.34		
3	QPSK	8	0	23.39	23.46	23.31		
3	QPSK	8	4	23.47	23.45	23.25	24.7	0
3	QPSK	8	7	23.40	23.32	23.29		
3	QPSK	15	0	23.29	23.39	23.21		
3	16QAM	1	0	23.32	23.29	23.29		
3	16QAM	1	8	23.42	23.36	23.40	24.7	0
3	16QAM	1	14	23.36	23.32	23.23		
3	16QAM	8	0	22.15	22.37	22.19		
3	16QAM	8	4	22.10	22.20	22.08	23.7	1
3	16QAM	8	7	22.10	22.28	22.12		
3	16QAM	15	0	22.22	22.30	22.26		
3	64QAM	1	0	22.15	22.17	22.05		
3	64QAM	1	8	22.29	22.07	22.04	23.7	1
3	64QAM	1	14	22.14	22.15	22.02		
3	64QAM	8	0	21.25	21.29	21.25		
3	64QAM	8	4	21.04	21.20	21.09	22.7	2
3	64QAM	8	7	21.20	21.18	21.17		
3	64QAM	15	0	21.19	21.22	21.27		
3	256QAM	1	0	19.41	19.56	19.31		
3	256QAM	1	8	19.25	19.29	19.26	20.7	4
3	256QAM	1	14	19.21	19.43	19.32		
3	256QAM	8	0	19.24	19.30	19.10		
3	256QAM	8	4	19.07	19.13	19.09	20.7	4
3	256QAM	8	7	19.03	19.13	19.23		
3	256QAM	15	0	19.14	19.32	19.13		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.31	23.44	23.30		
1.4	QPSK	1	3	23.33	23.48	23.17		
1.4	QPSK	1	5	23.33	23.31	23.29	24.7	0
1.4	QPSK	3	0	23.34	23.49	23.35		
1.4	QPSK	3	1	23.37	23.45	23.18		
1.4	QPSK	3	3	23.40	23.36	23.36		
1.4	QPSK	6	0	23.33	23.36	23.26	24.7	0
1.4	16QAM	1	0	23.37	23.40	23.27		
1.4	16QAM	1	3	23.32	23.40	23.37		
1.4	16QAM	1	5	23.28	23.39	23.23	24.7	0
1.4	16QAM	3	0	23.02	23.10	22.96		
1.4	16QAM	3	1	23.02	23.16	22.96		
1.4	16QAM	3	3	22.95	23.05	22.92		
1.4	16QAM	6	0	22.17	22.27	22.21	23.7	1
1.4	64QAM	1	0	22.14	22.21	22.12		
1.4	64QAM	1	3	22.13	22.32	22.14		
1.4	64QAM	1	5	22.12	22.29	22.16	23.7	1
1.4	64QAM	3	0	22.10	22.19	22.09		
1.4	64QAM	3	1	21.97	22.05	22.00		
1.4	64QAM	3	3	22.14	22.11	22.03		
1.4	64QAM	6	0	21.18	21.27	21.23	22.7	2
1.4	256QAM	1	0	19.37	19.47	19.31		
1.4	256QAM	1	3	19.36	19.23	19.34		
1.4	256QAM	1	5	19.22	19.41	19.42	20.7	4
1.4	256QAM	3	0	19.26	19.36	19.16		
1.4	256QAM	3	1	19.03	19.14	19.19		
1.4	256QAM	3	3	18.99	19.21	19.18		
1.4	256QAM	6	0	19.15	19.29	19.16	20.7	4

Band 4 Ant4 ECI3

BW [MHz]	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	22.72	22.85	22.68		
20	QPSK	1	49	22.70	22.79	22.61	23.7	0
20	QPSK	1	99	22.58	22.82	22.67		
20	QPSK	50	0	22.60	22.74	22.69		
20	QPSK	50	24	22.52	22.70	22.65	23.7	0
20	QPSK	50	50	22.61	22.68	22.54		
20	QPSK	100	0	22.62	22.71	22.65		
20	16QAM	1	0	22.64	22.74	22.60		
20	16QAM	1	49	22.68	22.67	22.65	23.7	0
20	16QAM	1	99	22.60	22.63	22.58		
20	16QAM	50	0	22.57	22.70	22.66		
20	16QAM	50	24	22.51	22.65	22.47	23.7	0
20	16QAM	50	50	22.58	22.55	22.54		
20	16QAM	100	0	22.59	22.66	22.59		
20	64QAM	1	0	22.44	22.52	22.46		
20	64QAM	1	49	22.35	22.54	22.48	23.7	0
20	64QAM	1	99	22.49	22.60	22.41		
20	64QAM	50	0	21.62	21.65	21.60		
20	64QAM	50	24	21.43	21.56	21.46	22.7	1
20	64QAM	50	50	21.57	21.64	21.55		
20	64QAM	100	0	21.49	21.61	21.54		
20	256QAM	1	0	19.70	19.80	19.69		
20	256QAM	1	49	19.61	19.75	19.65	20.7	3
20	256QAM	1	99	19.73	19.76	19.68		
20	256QAM	50	0	19.53	19.62	19.57		
20	256QAM	50	24	19.58	19.61	19.50	20.7	3
20	256QAM	50	50	19.46	19.59	19.55		
20	256QAM	100	0	19.55	19.63	19.62		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.62	22.77	22.53		
15	QPSK	1	37	22.64	22.67	22.53	23.7	0
15	QPSK	1	74	22.51	22.78	22.52		
15	QPSK	36	0	22.55	22.67	22.62		
15	QPSK	36	20	22.38	22.63	22.55	23.7	0
15	QPSK	36	39	22.51	22.57	22.44		
15	QPSK	75	0	22.51	22.56	22.60		
15	16QAM	1	0	22.49	22.57	22.46		
15	16QAM	1	37	22.55	22.53	22.56	23.7	0
15	16QAM	1	74	22.54	22.59	22.52		
15	16QAM	36	0	22.53	22.65	22.63		
15	16QAM	36	20	22.44	22.62	22.35	23.7	0
15	16QAM	36	39	22.47	22.44	22.48		
15	16QAM	75	0	22.54	22.72	22.46		
15	64QAM	1	0	22.35	22.48	22.32		
15	64QAM	1	37	22.22	22.41	22.44	23.7	0
15	64QAM	1	74	22.36	22.46	22.37		
15	64QAM	36	0	21.55	21.56	21.54		
15	64QAM	36	20	21.34	21.47	21.32	22.7	1
15	64QAM	36	39	21.47	21.54	21.44		
15	64QAM	75	0	21.41	21.47	21.46		
15	256QAM	1	0	19.63	19.75	19.62		
15	256QAM	1	37	19.52	19.63	19.64	20.7	3
15	256QAM	1	74	19.68	19.65	19.64		
15	256QAM	36	0	19.44	19.57	19.51		
15	256QAM	36	20	19.45	19.47	19.41	20.7	3
15	256QAM	36	39	19.33	19.49	19.44		
15	256QAM	75	0	19.45	19.55	19.48		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.64	22.74	22.53		
10	QPSK	1	25	22.56	22.62	22.48	23.7	0
10	QPSK	1	49	22.50	22.74	22.56		
10	QPSK	25	0	22.50	22.63	22.63		
10	QPSK	25	12	22.45	22.63	22.57	23.7	0
10	QPSK	25	25	22.57	22.52	22.50		
10	QPSK	50	0	22.53	22.55	22.60		
10	16QAM	1	0	22.53	22.70	22.55		
10	16QAM	1	25	22.62	22.52	22.51	23.7	0
10	16QAM	1	49	22.54	22.51	22.44		
10	16QAM	25	0	22.49	22.55	22.57		
10	16QAM	25	12	22.38	22.57	22.38	23.7	0
10	16QAM	25	25	22.45	22.46	22.46		
10	16QAM	50	0	22.54	22.57	22.51		
10	64QAM	1	0	22.38	22.43	22.43		
10	64QAM	1	25	22.29	22.45	22.38	23.7	0
10	64QAM	1	49	22.42	22.47	22.31		
10	64QAM	25	0	21.57	21.57	21.54		
10	64QAM	25	12	21.34	21.45	21.33	22.7	1
10	64QAM	25	25	21.47	21.54	21.45		
10	64QAM	50	0	21.44	21.49	21.42		
10	256QAM	1	0	19.56	19.73	19.54		
10	256QAM	1	25	19.56	19.61	19.60	20.7	3
10	256QAM	1	49	19.60	19.73	19.54		
10	256QAM	25	0	19.46	19.53	19.53		
10	256QAM	25	12	19.37	19.52	19.38	20.7	3
10	256QAM	25	25	19.36	19.40	19.45		
10	256QAM	50	0	19.46	19.54	19.54		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.64	22.78	22.63		
5	QPSK	1	12	22.57	22.69	22.46	23.7	0
5	QPSK	1	24	22.55	22.76	22.62		
5	QPSK	12	0	22.47	22.66	22.54		
5	QPSK	12	7	22.44	22.63	22.56	23.7	0
5	QPSK	12	13	22.52	22.61	22.45		
5	QPSK	25	0	22.46	22.65	22.50		
5	16QAM	1	0	22.57	22.61	22.56		
5	16QAM	1	12	22.63	22.56	22.51	23.7	0
5	16QAM	1	24	22.54	22.58	22.54		
5	16QAM	12	0	22.46	22.65	22.57		
5	16QAM	12	7	22.43	22.53	22.43		
5	16QAM	12	13	22.55	22.47	22.44	23.7	0
5	16QAM	25	0	22.44	22.56	22.55		
5	64QAM	1	0	22.36	22.45	22.41		
5	64QAM	1	12	22.21	22.46	22.39	23.7	0
5	64QAM	1	24	22.38	22.47	22.32		
5	64QAM	12	0	21.57	21.57	21.55		
5	64QAM	12	7	21.38	21.43	21.34	22.7	1
5	64QAM	12	13	21.43	21.51	21.47		
5	64QAM	25	0	21.37	21.58	21.47		
5	256QAM	1	0	19.64	19.73	19.58		
5	256QAM	1	12	19.52	19.68	19.53	20.7	3
5	256QAM	1	24	19.67	19.69	19.56		
5	256QAM	12	0	19.47	19.57	19.53		
5	256QAM	12	7	19.52	19.53	19.42	20.7	3
5	256QAM	12	13	19.39	19.43	19.51		
5	256QAM	25	0	19.45	19.49	19.50		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.66	22.71	22.52		
3	QPSK	1	8	22.54	22.63	22.53	23.7	0
3	QPSK	1	14	22.54	22.72	22.58		
3	QPSK	8	0	22.50	22.59	22.64		
3	QPSK	8	4	22.47	22.55	22.50	23.7	0
3	QPSK	8	7	22.45	22.55	22.43		
3	QPSK	15	0	22.57	22.59	22.52		
3	16QAM	1	0	22.55	22.61	22.45		
3	16QAM	1	8	22.52	22.55	22.51	23.7	0
3	16QAM	1	14	22.46	22.57	22.47		
3	16QAM	8	0	22.48	22.61	22.56		
3	16QAM	8	4	22.50	22.57	22.43	23.7	0
3	16QAM	8	7	22.50	22.41	22.41		
3	16QAM	15	0	22.46	22.62	22.54		
3	64QAM	1	0	22.41	22.51	22.38		
3	64QAM	1	8	22.25	22.39	22.45	23.7	0
3	64QAM	1	14	22.34	22.54	22.31		
3	64QAM	8	0	21.48	21.55	21.46		
3	64QAM	8	4	21.32	21.47	21.41	22.7	1
3	64QAM	8	7	21.45	21.53	21.42		
3	64QAM	15	0	21.43	21.47	21.46		
3	256QAM	1	0	19.55	19.72	19.59		
3	256QAM	1	8	19.54	19.70	19.54	20.7	3
3	256QAM	1	14	19.65	19.72	19.61		
3	256QAM	8	0	19.40	19.56	19.47		
3	256QAM	8	4	19.47	19.52	19.37	20.7	3
3	256QAM	8	7	19.32	19.44	19.51		
3	256QAM	15	0	19.51	19.54	19.48		
Channel				19907	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.63	22.81	22.54		
1.4	QPSK	1	3	22.60	22.69	22.55		
1.4	QPSK	1	5	22.61	22.78	22.53	23.7	0
1.4	QPSK	3	0	22.63	22.71	22.53		
1.4	QPSK	3	1	22.58	22.66	22.57		
1.4	QPSK	3	3	22.58	22.69	22.54		
1.4	QPSK	6	0	22.54	22.70	22.60	23.7	0
1.4	16QAM	1	0	22.40	22.61	22.54		
1.4	16QAM	1	3	22.48	22.57	22.41		
1.4	16QAM	1	5	22.59	22.58	22.62	23.7	0
1.4	16QAM	3	0	22.53	22.64	22.46		
1.4	16QAM	3	1	22.63	22.50	22.55		
1.4	16QAM	3	3	22.45	22.47	22.45		
1.4	16QAM	6	0	22.53	22.56	22.51	23.7	0
1.4	64QAM	1	0	22.43	22.53	22.38		
1.4	64QAM	1	3	22.44	22.47	22.46		
1.4	64QAM	1	5	22.48	22.59	22.50	23.7	0
1.4	64QAM	3	0	22.41	22.48	22.35		
1.4	64QAM	3	1	22.25	22.44	22.42		
1.4	64QAM	3	3	22.45	22.54	22.31		
1.4	64QAM	6	0	21.53	21.58	21.43	22.7	1
1.4	256QAM	1	0	19.61	19.69	19.57		
1.4	256QAM	1	3	19.48	19.66	19.60		
1.4	256QAM	1	5	19.62	19.71	19.62	20.7	3
1.4	256QAM	3	0	19.38	19.56	19.45		
1.4	256QAM	3	1	19.53	19.57	19.42		
1.4	256QAM	3	3	19.31	19.48	19.44		
1.4	256QAM	6	0	19.46	19.52	19.53	20.7	3

Band 7 Ant4 ECI3

BW [MHz]	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	20.50	20.58	20.52		
20	QPSK	1	49	20.49	20.52	20.46	22	0
20	QPSK	1	99	20.39	20.47	20.42		
20	QPSK	50	0	20.51	20.53	20.47		
20	QPSK	50	24	20.40	20.50	20.42	22	0
20	QPSK	50	50	20.41	20.46	20.38		
20	QPSK	100	0	20.36	20.47	20.41		
20	16QAM	1	0	20.37	20.40	20.40		
20	16QAM	1	49	20.26	20.34	20.42	22	0
20	16QAM	1	99

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.38	23.42	23.30	24.2	0
20	QPSK	1	49	23.27	23.37	23.18		
20	QPSK	1	99	23.29	23.32	23.25		
20	QPSK	50	0	23.21	23.32	23.28	24.2	0
20	QPSK	50	24	23.14	23.27	23.17		
20	QPSK	50	50	23.24	23.27	23.14		
20	QPSK	100	0	23.07	23.26	23.19		
20	16QAM	1	0	22.96	23.14	23.06	24.2	0
20	16QAM	1	49	23.05	23.16	23.07		
20	16QAM	1	99	22.99	23.00	22.95		
20	16QAM	50	0	22.68	22.79	22.71	23.7	0.5
20	16QAM	50	24	22.66	22.68	22.60		
20	16QAM	50	50	22.66	22.66	22.67		
20	16QAM	100	0	22.66	22.70	22.67		
20	64QAM	1	0	22.55	22.62	22.53	23.7	0.5
20	64QAM	1	49	22.45	22.58	22.60		
20	64QAM	1	99	22.64	22.67	22.53		
20	64QAM	50	0	21.71	21.82	21.76	22.7	1.5
20	64QAM	50	24	21.57	21.72	21.58		
20	64QAM	50	50	21.71	21.75	21.58		
20	64QAM	100	0	21.63	21.78	21.64		
20	256QAM	1	0	19.80	19.99	19.76	20.7	3.5
20	256QAM	1	49	19.73	19.83	19.71		
20	256QAM	1	99	19.82	19.94	19.74		
20	256QAM	50	0	19.68	19.82	19.60	20.7	3.5
20	256QAM	50	24	19.68	19.70	19.63		
20	256QAM	50	50	19.51	19.63	19.62		
20	256QAM	100	0	19.68	19.71	19.66		
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.34	23.38	23.24	24.2	0
15	QPSK	1	37	23.21	23.33	23.15		
15	QPSK	1	74	23.20	23.24	23.10		
15	QPSK	36	0	23.10	23.19	23.18	24.2	0
15	QPSK	36	20	23.03	23.13	23.14		
15	QPSK	36	39	23.11	23.16	23.09		
15	QPSK	75	0	23.00	23.14	23.15		
15	16QAM	1	0	22.91	23.02	22.96	24.2	0
15	16QAM	1	37	23.00	23.04	22.95		
15	16QAM	1	74	22.93	22.94	22.85		
15	16QAM	36	0	22.63	22.71	22.59	23.7	0.5
15	16QAM	36	20	22.56	22.63	22.46		
15	16QAM	36	39	22.58	22.54	22.54		
15	16QAM	75	0	22.59	22.61	22.52		
15	64QAM	1	0	22.48	22.51	22.41	23.7	0.5
15	64QAM	1	37	22.35	22.49	22.48		
15	64QAM	1	74	22.60	22.60	22.44		
15	64QAM	36	0	21.66	21.72	21.69	22.7	1.5
15	64QAM	36	20	21.51	21.67	21.48		
15	64QAM	36	39	21.57	21.67	21.48		
15	64QAM	75	0	21.49	21.73	21.51		
15	256QAM	1	0	19.65	19.93	19.71	20.7	3.5
15	256QAM	1	37	19.61	19.72	19.64		
15	256QAM	1	74	19.78	19.90	19.70		
15	256QAM	36	0	19.56	19.75	19.57	20.7	3.5
15	256QAM	36	20	19.57	19.57	19.48		
15	256QAM	36	39	19.40	19.53	19.55		
15	256QAM	75	0	19.62	19.58	19.55		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.25	23.33	23.14	24.2	0
10	QPSK	1	25	23.11	23.23	23.09		
10	QPSK	1	49	23.23	23.23	23.20		
10	QPSK	25	0	23.13	23.26	23.21	24.2	0
10	QPSK	25	12	23.09	23.17	23.13		
10	QPSK	25	25	23.17	23.19	23.08		
10	QPSK	50	0	23.01	23.15	23.14		
10	16QAM	1	0	22.89	23.04	22.97	24.2	0
10	16QAM	1	25	22.94	23.12	22.99		
10	16QAM	1	49	22.86	22.93	22.90		
10	16QAM	25	0	22.57	22.66	22.66	23.7	0.5
10	16QAM	25	12	22.58	22.54	22.47		
10	16QAM	25	25	22.52	22.61	22.61		
10	16QAM	50	0	22.57	22.63	22.64		
10	64QAM	1	0	22.47	22.53	22.42	23.7	0.5
10	64QAM	1	25	22.31	22.47	22.45		
10	64QAM	1	49	22.51	22.56	22.41		
10	64QAM	25	0	21.58	21.73	21.69	22.7	1.5
10	64QAM	25	12	21.44	21.60	21.53		
10	64QAM	25	25	21.64	21.72	21.49		
10	64QAM	50	0	21.57	21.68	21.57		
10	256QAM	1	0	19.74	19.92	19.66	20.7	3.5
10	256QAM	1	25	19.67	19.78	19.65		
10	256QAM	1	49	19.70	19.91	19.60		
10	256QAM	25	0	19.55	19.77	19.55	20.7	3.5
10	256QAM	25	12	19.55	19.64	19.49		
10	256QAM	25	25	19.44	19.61	19.53		
10	256QAM	50	0	19.55	19.62	19.54		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.21	23.30	23.18	24.2	0
5	QPSK	1	12	23.19	23.25	23.02		
5	QPSK	1	24	23.20	23.22	23.13		
5	QPSK	12	0	23.07	23.24	23.14	24.2	0
5	QPSK	12	7	22.99	23.14	23.12		
5	QPSK	12	13	23.11	23.19	23.08		
5	QPSK	25	0	23.00	23.21	23.12		
5	16QAM	1	0	22.90	23.04	23.01	24.2	0
5	16QAM	1	12	22.97	23.08	23.00		
5	16QAM	1	24	22.89	22.91	22.87		
5	16QAM	12	0	22.59	22.73	22.66	23.7	0.5
5	16QAM	12	7	22.63	22.54	22.53		
5	16QAM	12	13	22.61	22.57	22.54		
5	16QAM	25	0	22.55	22.60	22.63		
5	64QAM	1	0	22.42	22.55	22.40	23.7	0.5
5	64QAM	1	12	22.36	22.51	22.54		
5	64QAM	1	24	22.54	22.53	22.40		
5	64QAM	12	0	21.59	21.73	21.70	22.7	1.5
5	64QAM	12	7	21.42	21.57	21.48		
5	64QAM	12	13	21.62	21.61	21.55		
5	64QAM	25	0	21.49	21.68	21.55		
5	256QAM	1	0	19.68	19.92	19.64	20.7	3.5
5	256QAM	1	12	19.59	19.72	19.67		
5	256QAM	1	24	19.68	19.81	19.60		
5	256QAM	12	0	19.58	19.70	19.57	20.7	3.5
5	256QAM	12	7	19.55	19.61	19.53		
5	256QAM	12	13	19.36	19.52	19.50		
5	256QAM	25	0	19.58	19.66	19.56		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.29	23.34	23.45	23.40	23.32	23.7	0
20	QPSK	1	49	23.18	23.33	23.30	23.25	23.15		
20	QPSK	1	99	23.22	23.22	23.35	23.33	23.31		
20	QPSK	50	0	23.37	23.28	23.43	23.22	23.32		
20	QPSK	50	24	23.26	23.17	23.38	23.27	23.25		
20	QPSK	50	50	23.27	23.18	23.32	23.16	23.25		
20	QPSK	100	0	23.30	23.22	23.35	23.34	23.29		
20	16QAM	1	0	23.30	23.25	23.34	23.14	23.19	23.7	0
20	16QAM	1	49	23.18	23.25	23.32	23.25	23.28		
20	16QAM	1	99	23.22	23.28	23.31	23.16	23.18		
20	16QAM	50	0	23.17	23.17	23.22	23.23	23.15	23.7	0
20	16QAM	50	24	23.15	23.10	23.23	23.03	23.12		
20	16QAM	50	50	23.08	23.11	23.20	23.06	23.16		
20	16QAM	100	0	23.11	23.12	23.25	23.08	23.16		
20	64QAM	1	0	23.02	22.98	23.12	23.02	23.07	23.7	0
20	64QAM	1	49	23.02	22.88	23.10	22.96	23.04		
20	64QAM	1	99	22.97	23.07	23.06	22.95	22.98		
20	64QAM	50	0	22.10	22.06	22.21	22.13	22.18	22.7	1
20	64QAM	50	24	22.11	22.04	22.21	22.00	22.12		
20	64QAM	50	50	22.10	22.13	22.15	22.07	22.06		
20	64QAM	100	0	22.11	22.15	22.17	22.16	22.03		
20	256QAM	1	0	20.39	20.25	20.43	20.30	20.30	20.7	3
20	256QAM	1	49	20.12	20.21	20.25	20.16	20.12		
20	256QAM	1	99	20.23	20.25	20.29	20.19	20.25		
20	256QAM	50	0	20.17	20.16	20.22	20.12	20.10	20.7	3
20	256QAM	50	24	20.07	20.13	20.17	20.04	20.07		
20	256QAM	50	50	20.00	20.05	20.10	20.02	20.07		
20	256QAM	100	0	20.04	20.12	20.12	20.09	20.02		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.14	23.21	23.37	23.24	23.22	24	0
15	QPSK	1	37	23.05	23.27	23.21	23.19	23.03		
15	QPSK	1	74	23.05	23.11	23.18	23.22	23.15		
15	QPSK	36	0	23.24	23.23	23.40	23.06	23.26	23.7	0
15	QPSK	36	20	23.21	23.02	23.33	23.19	23.11		
15	QPSK	36	39	23.20	23.03	23.18	23.01	23.19		
15	QPSK	75	0	23.18	23.15	23.20	23.30	23.17		
15	16QAM	1	0	23.20	23.08	23.29	23.00	23.07	23.7	0
15	16QAM	1	37	23.14	23.10	23.18	23.21	23.18		
15	16QAM	1	74	23.10	23.15	23.23	23.09	23.02		
15	16QAM	36	0	23.05	23.07	23.12	23.15	23.12	23.7	0
15	16QAM	36	20	23.03	22.97	23.17	22.96	23.07		
15	16QAM	36	39	22.95	23.06	23.14	22.95	23.05		
15	16QAM	75	0	23.02	23.07	23.18	22.97	23.12		
15	64QAM	1	0	22.96	22.91	23.00	22.90	23.03	23.7	0
15	64QAM	1	37	22.90	22.83	23.07	22.83	22.99		
15	64QAM	1	74	22.92	22.94	23.02	22.86	22.92		
15	64QAM	36	0	21.99	21.94	22.12	22.04	22.10	22.7	1
15	64QAM	36	20	21.97	21.96	22.09	21.96	22.07		
15	64QAM	36	39	21.97	22.06	22.07	21.95	21.94		
15	64QAM	75	0	22.03	22.05	22.12	22.06	21.98		
15	256QAM	1	0	20.30	20.17	20.35	20.23	20.27	20.7	3
15	256QAM	1	37	20.03	20.10	20.12	20.10	20.01		
15	256QAM	1	74	20.09	20.21	20.25	20.05	20.14		
15	256QAM	36	0	20.02	20.06	20.17	20.00	19.99	20.7	3
15	256QAM	36	20	19.93	20.06	20.02	19.96	19.93		
15	256QAM	36	39	19.89	19.99	20.01	19.89	19.94		
15	256QAM	75	0	19.90	20.05	20.06	19.99	19.98		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.16	23.24	23.37	23.25	23.22	24	0
10	QPSK	1	25	23.02	23.30	23.14	23.18	23.12		
10	QPSK	1	49	23.05	23.14	23.24	23.17	23.16		
10	QPSK	25	0	23.28	23.13	23.35	23.18	23.24	23.7	0
10	QPSK	25	12	23.12	23.03	23.27	23.10	23.09		
10	QPSK	25	25	23.20	23.02	23.26	23.02	23.09		
10	QPSK	50	0	23.20	23.10	23.31	23.23	23.19		
10	16QAM	1	0	23.19	23.19	23.28	23.04	23.16	23.7	0
10	16QAM	1	25	23.03	23.10	23.17	23.12	23.15		
10	16QAM	1	49	23.19	23.13	23.18	23.05	23.10		
10	16QAM	25	0	23.02	23.09	23.12	23.18	23.07	23.7	0
10	16QAM	25	12	23.11	23.04	23.15	22.93	23.05		
10	16QAM	25	25	23.00	23.03	23.10	22.92	23.03		
10	16QAM	50	0	22.97	23.04	23.16	23.05	23.08		
10	64QAM	1	0	22.91	22.90	23.01	22.88	23.02	23.7	0
10	64QAM	1	25	22.89	22.75	23.04	22.87	22.99		
10	64QAM	1	49	22.82	23.03	22.96	22.88	22.85		
10	64QAM	25	0	22.01	21.95	22.15	22.09	22.05	22.7	1
10	64QAM	25	12	22.08	21.90	22.17	21.85	22.03		
10	64QAM	25	25	22.03	22.10	22.07	21.93	21.94		
10	64QAM	50	0	22.07	22.03	22.12	22.06	21.95		
10	256QAM	1	0	20.29	20.11	20.39	20.22	20.21	20.7	3
10	256QAM	1	25	19.97	20.17	20.14	20.04	19.98		
10	256QAM	1	49	20.14	20.17	20.15	20.12	20.15		
10	256QAM	25	0	20.09	20.06	20.15	20.04	20.03	20.7	3
10	256QAM	25	12	20.03	20.00	20.08	19.99	19.96		
10	256QAM	25	25	19.89	19.90	20.05	19.93	19.96		
10	256QAM	50	0	20.00	20.03	20.07	20.05	19.95		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.20	23.20	23.39	23.24	23.19	24	0
5	QPSK	1	12	23.12	23.21	23.21	23.18	22.98		
5	QPSK	1	24	23.18	23.15	23.24	23.17	23.15		
5	QPSK	12	0	23.34	23.12	23.32	23.10	23.29	23.7	0
5	QPSK	12	7	23.17	23.06	23.32	23.17	23.19		
5	QPSK	12	13	23.13	23.12	23.21	23.04	23.18		
5	QPSK	25	0	23.27	23.16	23.29	23.24	23.21		
5	16QAM	1	0	23.25	23.15	23.21	23.09	23.12	23.7	0
5	16QAM	1	12	23.01	23.11	23.22	23.12	23.22		
5	16QAM	1	24	23.12	23.18	23.24	23.11	23.14		
5	16QAM	12	0	23.08	23.14	23.18	23.18	23.06	23.7	0
5	16QAM	12	7	23.11	23.02	23.17	22.99	23.01		
5	16QAM	12	13	22.97	23.08	23.12	22.98	23.07		
5	16QAM	25	0	23.04	22.99	23.12	23.02	23.08		
5	64QAM	1	0	22.97	22.86	23.00	22.96	23.03	23.7	0
5	64QAM	1	12	22.96	22.83	22.97	22.86	22.92		
5	64QAM	1	24	22.92	23.03	22.95	22.88	22.84		
5	64QAM	12	0	22.02	21.93	22.09	22.08	22.13	22.7	1
5	64QAM	12	7	22.05	21.99	22.16	21.87	22.06		
5	64QAM	12	13	22.03	22.01	22.08	21.97	21.94		
5	64QAM	25	0	22.00	22.06	22.03	22.04	21.98		
5	256QAM	1	0	20.33	20.16	20.37	20.26	20.22	20.7	3
5	256QAM	1	12	19.98	20.12	20.18	20.09	19.98		
5	256QAM	1	24	20.12	20.16	20.15	20.12	20.15		
5	256QAM	12	0	20.07	20.04	20.07	19.98	20.01	20.7	3
5	256QAM	12	7	19.97	20.04	20.11	19.92	19.99		
5	256QAM	12	13	19.89	19.99	19.96	19.87	19.93		
5	256QAM	25	0	19.93	20.09	20.00	20.03	19.88		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3695		
20	QPSK	1	0	21.87	21.91	21.89	21.85	22.5	0
20	QPSK	1	49	21.81	21.88	21.84	21.79		
20	QPSK	1	99	21.77	21.81	21.80	21.75		
20	QPSK	50	0	21.87	21.89	21.87	21.76	22.5	0
20	QPSK	50	24	21.77	21.81	21.85	21.73		
20	QPSK	50	50	21.82	21.87	21.77	21.74		
20	QPSK	100	0	21.79	21.88	21.86	21.75		
20	16QAM	1	0	21.84	21.84	21.82	21.74	22.5	0
20	16QAM	1	49	21.81	21.90	21.82	21.73		
20	16QAM	1	99	21.79	21.85	21.77	21.76		
20	16QAM	50	0	21.26	21.40	21.30	21.22	22	0.5
20	16QAM	50	24	21.21	21.30	21.24	21.10		
20	16QAM	50	50	21.20	21.37	21.17	21.06		
20	16QAM	100	0	21.24	21.39	21.35	21.18		
20	64QAM	1	0	21.16	21.33	21.16	21.13	22	0.5
20	64QAM	1	49	20.99	21.23	21.21	21.13		
20	64QAM	1	99	21.25	21.29	21.20	21.09		
20	64QAM	50	0	20.33	20.43	20.35	20.22	21	1.5
20	64QAM	50	24	20.20	20.32	20.10	20.03		
20	64QAM	50	50	20.24	20.40	20.26	20.17		
20	64QAM	100	0	20.31	20.32	20.30	20.28		
20	256QAM	1	0	18.45	18.53	18.44	18.34	19	3.5
20	256QAM	1	49	18.47	18.42	18.33	18.24		
20	256QAM	1	99	18.42	18.51	18.46	18.24		
20	256QAM	50	0	18.28	18.24	18.19	18.00	19	3.5
20	256QAM	50	24	18.28	18.22	18.18	18.11		
20	256QAM	50	50	18.14	18.20	18.24	17.98		
20	256QAM	100	0	18.14	18.29	18.21	18.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	21.74	21.73	21.67	21.54	22.5	0
15	QPSK	1	37	21.69	21.73	21.76	21.75		
15	QPSK	1	74	21.66	21.67	21.76	21.67		
15	QPSK	36	0	21.78	21.75	21.77	21.60	22.5	0
15	QPSK	36	20	21.68	21.66	21.86	21.63		
15	QPSK	36	39	21.77	21.79	21.70	21.71		
15	QPSK	75	0	21.75	21.81	21.82	21.60		
15	16QAM	1	0	21.75	21.74	21.74	21.58	22.5	0
15	16QAM	1	37	21.71	21.85	21.74	21.59		
15	16QAM	1	74	21.63	21.73	21.64	21.65		
15	16QAM	36	0	21.20	21.23	21.23	21.14	22	0.5
15	16QAM	36	20	21.05	21.17	21.10	21.06		
15	16QAM	36	39	21.05	21.22	21.06	20.93		
15	16QAM	75	0	21.17	21.27	21.22	21.11		
15	64QAM	1	0	21.01	21.25	21.01	21.01	22	0.5
15	64QAM	1	37	20.84	21.12	21.08	20.96		
15	64QAM	1	74	21.13	21.18	21.14	20.93		
15	64QAM	36	0	20.21	20.34	20.25	20.18	21	1.5
15	64QAM	36	20	20.06	20.21	20.03	19.88		
15	64QAM	36	39	20.20	20.28	20.20	20.04		
15	64QAM	75	0	20.15	20.21	20.17	20.25		
15	256QAM	1	0	18.41	18.46	18.28	18.23	19	3.5
15	256QAM	1	37	18.34	18.34	18.17	18.10		
15	256QAM	1	74	18.25	18.46	18.30	18.07		
15	256QAM	36	0	18.18	18.10	18.08	17.95	19	3.5
15	256QAM	36	20	18.11	18.12	18.07	17.94		
15	256QAM	36	39	18.09	18.11	18.11	17.95		
15	256QAM	75	0	18.07	18.23	18.07	18.04		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3695		
10	QPSK	1	0	21.70	21.79	21.75	21.59	22.5	0
10	QPSK	1	25	21.76	21.84	21.68	21.76		
10	QPSK	1	49	21.73	21.70	21.72	21.65		
10	QPSK	25	0	21.74	21.68	21.82	21.72	22.5	0
10	QPSK	25	12	21.73	21.70	21.84	21.69		
10	QPSK	25	25	21.66	21.82	21.66	21.60		
10	QPSK	50	0	21.63	21.82	21.77	21.63		
10	16QAM	1	0	21.78	21.71	21.68	21.60	22.5	0
10	16QAM	1	25	21.73	21.75	21.72	21.59		
10	16QAM	1	49	21.67	21.70	21.63	21.71		
10	16QAM	25	0	21.12	21.32	21.22	21.12	22	0.5
10	16QAM	25	12	21.08	21.23	21.16	20.98		
10	16QAM	25	25	21.10	21.30	21.01	20.93		
10	16QAM	50	0	21.14	21.32	21.31	21.10		
10	64QAM	1	0	21.07	21.30	21.02	21.01	22	0.5
10	64QAM	1	25	20.84	21.15	21.07	20.98		
10	64QAM	1	49	21.12	21.13	21.08	21.05		
10	64QAM	25	0	20.28	20.38	20.24	20.18	21	1.5
10	64QAM	25	12	20.16	20.20	19.94	19.88		
10	64QAM	25	25	20.19	20.36	20.18	20.08		
10	64QAM	50	0	20.26	20.20	20.26	20.11		
10	256QAM	1	0	18.32	18.40	18.33	18.24	19	3.5
10	256QAM	1	25	18.34	18.34	18.22	18.09		
10	256QAM	1	49	18.27	18.37	18.40	18.19		
10	256QAM	25	0	18.13	18.11	18.08	17.89	19	3.5
10	256QAM	25	12	18.21	18.05	18.11	18.02		
10	256QAM	25	25	18.06	18.11	18.09	17.89		
10	256QAM	50	0	18.03	18.17	18.10	18.12		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3643	3697.5		
5	QPSK	1	0	21.77	21.82	21.76	21.59	22.5	0
5	QPSK	1	12	21.66	21.80	21.68	21.70		
5	QPSK	1	24	21.64	21.69	21.73	21.60		
5	QPSK	12	0	21.71	21.66	21.82	21.69	22.5	0
5	QPSK	12	7	21.73	21.78	21.74	21.57		
5	QPSK	12	13	21.70	21.83	21.67	21.70		
5	QPSK	25	0	21.68	21.76	21.71	21.66		
5	16QAM	1	0	21.72	21.76	21.72	21.62	22.5	0
5	16QAM	1	12	21.71	21.80	21.74	21.58		
5	16QAM	1	24	21.67	21.81	21.70	21.70		
5	16QAM	12	0	21.17	21.28	21.24	21.07	22	0.5
5	16QAM	12	7	21.13	21.15	21.15	21.01		
5	16QAM	12	13	21.17	21.21	21.05	20.89		
5	16QAM	25	0	21.15	21.23	21.23	21.04		
5	64QAM	1	0	21.13	21.18	21.09	20.97	22	0.5
5	64QAM	1	12	20.87	21.10	21.11	20.98		
5	64QAM	1	24	21.14	21.17	21.06	21.02		
5	64QAM	12	0	20.21	20.35	20.20	20.12	21	1.5
5	64QAM	12	7	20.12	20.21	19.95	19.99		
5	64QAM	12	13	20.20	20.33	20.17	20.13		
5	64QAM	25	0	20.27	20.20	20.21	20.18		
5	256QAM	1	0	18.33	18.49	18.32	18.26	19	3.5
5	256QAM	1	12	18.30	18.26	18.28	18.18		
5	256QAM	1	24	18.32	18.45	18.30	18.14		
5	256QAM	12	0	18.15	18.15	18.08	17.84	19	3.5
5	256QAM	12	7	18.17	18.13	18.05	17.96		
5	256QAM	12	13	18.07	18.07	18.20	17.90		
5	256QAM	25	0	18.06	18.25	18.12	18.15		

Band 48 Ant6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.31	18.39	18.28	18.24	19.5	0
20	QPSK	1	49	18.22	18.33	18.21	18.15		
20	QPSK	1	99	18.12	18.24	18.18	18.16		
20	QPSK	50	0	18.29	18.31	18.20	18.19	19.5	0
20	QPSK	50	24	18.22	18.30	18.15	18.02		
20	QPSK	50	50	18.04	18.16	18.16	18.11		
20	QPSK	100	0	18.20	18.29	18.21	18.18		
20	16QAM	1	0	18.07	18.12	18.14	18.10	19.5	0
20	16QAM	1	49	18.10	18.11	18.16	18.16		
20	16QAM	1	99	18.16	18.18	18.03	18.15		
20	16QAM	50	0	18.05	18.07	18.08	18.10	19.5	0
20	16QAM	50	24	17.99	18.13	17.98	17.93		
20	16QAM	50	50	17.96	18.12	17.94	17.95		
20	16QAM	100	0	17.96	18.09	17.93	17.95		
20	64QAM	1	0	18.09	18.16	18.12	18.06	19.5	0
20	64QAM	1	49	18.00	18.10	18.06	18.10		
20	64QAM	1	99	18.18	18.23	18.02	18.09		
20	64QAM	50	0	18.11	18.25	18.16	18.09	19.5	0
20	64QAM	50	24	17.98	18.09	18.01	17.90		
20	64QAM	50	50	17.98	18.17	18.06	18.02		
20	64QAM	100	0	18.11	18.12	18.08	18.11		
20	256QAM	1	0	16.31	16.41	16.32	16.23	17.5	2
20	256QAM	1	49	16.15	16.13	16.17	16.15		
20	256QAM	1	99	16.21	16.35	16.19	16.14		
20	256QAM	50	0	16.05	16.15	16.03	15.91	17.5	2
20	256QAM	50	24	16.11	16.05	16.06	15.94		
20	256QAM	50	50	15.95	16.03	15.93	15.91		
20	256QAM	100	0	16.02	16.14	16.01	15.98		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.22	18.35	18.20	18.14	19.5	0
15	QPSK	1	37	18.12	18.21	18.11	18.10		
15	QPSK	1	74	18.06	18.15	18.08	18.10		
15	QPSK	36	0	18.19	18.20	18.10	18.14	19.5	0
15	QPSK	36	20	18.12	18.20	18.04	17.87		
15	QPSK	36	39	17.98	18.10	18.06	18.01		
15	QPSK	75	0	18.11	18.13	18.17	18.02		
15	16QAM	1	0	18.03	18.05	18.09	18.07	19.5	0
15	16QAM	1	37	17.96	18.06	18.11	18.05		
15	16QAM	1	74	18.02	18.04	17.90	18.04		
15	16QAM	36	0	17.93	18.03	17.97	18.01	19.5	0
15	16QAM	36	20	17.89	17.98	17.95	17.82		
15	16QAM	36	39	17.81	18.03	17.80	17.83		
15	16QAM	75	0	17.81	17.94	17.85	17.90		
15	64QAM	1	0	17.94	18.10	18.03	17.98	19.5	0
15	64QAM	1	37	17.84	18.06	17.92	17.94		
15	64QAM	1	74	18.01	18.13	17.87	17.95		
15	64QAM	36	0	18.07	18.16	18.02	17.95	19.5	0
15	64QAM	36	20	17.89	17.95	17.95	17.76		
15	64QAM	36	39	17.88	18.03	17.97	17.91		
15	64QAM	75	0	17.99	18.01	17.99	17.98		
15	256QAM	1	0	16.16	16.34	16.22	16.19	17.5	2
15	256QAM	1	37	16.05	15.98	16.04	16.01		
15	256QAM	1	74	16.10	16.31	16.07	16.10		
15	256QAM	36	0	15.91	16.04	15.88	15.88	17.5	2
15	256QAM	36	20	16.06	15.95	15.96	15.90		
15	256QAM	36	39	15.86	15.92	15.86	15.81		
15	256QAM	75	0	15.90	16.05	15.90	15.90		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.24	18.32	18.12	18.10	19.5	0
10	QPSK	1	25	18.07	18.25	18.16	18.05		
10	QPSK	1	49	18.09	18.15	18.13	18.04		
10	QPSK	25	0	18.22	18.16	18.04	18.10	19.5	0
10	QPSK	25	12	18.14	18.20	17.99	17.97		
10	QPSK	25	25	17.91	18.07	18.13	18.02		
10	QPSK	50	0	18.06	18.16	18.11	18.14		
10	16QAM	1	0	17.97	18.04	18.09	17.97	19.5	0
10	16QAM	1	25	17.99	17.95	18.07	18.04		
10	16QAM	1	49	18.09	18.08	17.97	18.02		
10	16QAM	25	0	17.99	17.90	18.01	18.02	19.5	0
10	16QAM	25	12	17.87	18.10	17.92	17.87		
10	16QAM	25	25	17.86	18.01	17.78	17.88		
10	16QAM	50	0	17.80	18.03	17.83	17.79		
10	64QAM	1	0	18.01	18.04	18.08	17.93	19.5	0
10	64QAM	1	25	17.89	17.97	17.97	18.04		
10	64QAM	1	49	18.12	18.12	17.88	18.02		
10	64QAM	25	0	18.08	18.13	18.07	18.05	19.5	0
10	64QAM	25	12	17.91	17.96	17.92	17.87		
10	64QAM	25	25	17.85	18.06	18.00	17.97		
10	64QAM	50	0	17.97	17.98	18.04	18.04		
10	256QAM	1	0	16.24	16.30	16.24	16.12	17.5	2
10	256QAM	1	25	16.03	16.02	16.03	16.03		
10	256QAM	1	49	16.12	16.25	16.15	16.02		
10	256QAM	25	0	15.98	16.02	15.89	15.85	17.5	2
10	256QAM	25	12	16.04	15.93	15.94	15.80		
10	256QAM	25	25	15.87	15.92	15.78	15.81		
10	256QAM	50	0	15.94	16.05	15.94	15.87		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.25	18.31	18.21	18.19	19.5	0
5	QPSK	1	12	18.10	18.25	18.05	18.03		
5	QPSK	1	24	18.05	18.11	18.12	18.12		
5	QPSK	12	0	18.14	18.18	18.11	18.08	19.5	0
5	QPSK	12	7	18.18	18.17	18.06	17.94		
5	QPSK	12	13	17.89	18.04	18.01	17.98		
5	QPSK	25	0	18.09	18.21	18.05	18.13		
5	16QAM	1	0	17.90	18.05	18.08	18.07	19.5	0
5	16QAM	1	12	18.03	18.07	18.08	18.11		
5	16QAM	1	24	18.11	18.08	17.92	18.09		
5	16QAM	12	0	17.94	18.01	17.97	18.05	19.5	0
5	16QAM	12	7	17.93	18.09	17.93	17.81		
5	16QAM	12	13	17.89	18.03	17.85	17.90		
5	16QAM	25	0	17.93	18.06	17.85	17.83		
5	64QAM	1	0	18.04	18.08	18.00	17.99	19.5	0
5	64QAM	1	12	17.90	17.98	18.01	17.96		
5	64QAM	1	24	18.06	18.18	17.94	18.02		
5	64QAM	12	0	17.97	18.19	18.05	18.05	19.5	0
5	64QAM	12	7	17.92	17.95	17.95	17.81		
5	64QAM	12	13	17.93	18.07	18.02	17.98		
5	64QAM	25	0	18.03	18.01	17.94	17.99		
5	256QAM	1	0	16.23	16.37	16.28	16.14	17.5	2
5	256QAM	1	12	16.05	16.01	16.11	16.11		
5	256QAM	1	24	16.13	16.23	16.05	16.02		
5	256QAM	12	0	15.99	16.02	15.91	15.81	17.5	2
5	256QAM	12	7	15.99	16.02	16.01	15.82		
5	256QAM	12	13	15.92	15.89	15.86	15.81		
5	256QAM	25	0	15.96	16.08	15.88	15.91		

Band 48 Ant7 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3680	3609	3641	3690		
20	QPSK	1	0	21.31	21.36	21.34	21.27	22.5	0
20	QPSK	1	49	21.22	21.25	21.16	21.29		
20	QPSK	1	99	21.24	21.35	21.19	21.15		
20	QPSK	50	0	20.27	20.33	20.19	20.08	21.5	1
20	QPSK	50	24	20.21	20.21	20.08	20.05		
20	QPSK	50	50	20.23	20.30	20.18	20.19		
20	QPSK	100	0	20.15	20.36	20.26	20.21		
20	16QAM	1	0	19.98	20.24	20.09	20.01	21.5	1
20	16QAM	1	49	19.98	20.14	20.10	19.96		
20	16QAM	1	99	20.12	20.19	20.08	20.10		
20	16QAM	50	0	19.12	19.23	19.22	19.11	20.5	2
20	16QAM	50	24	19.17	19.23	19.07	19.03		
20	16QAM	50	50	19.16	19.21	19.14	19.01		
20	16QAM	100	0	19.21	19.24	19.24	19.15		
20	64QAM	1	0	19.07	19.29	19.12	18.98	20.5	2
20	64QAM	1	49	18.99	19.11	19.14	19.07		
20	64QAM	1	99	19.10	19.26	19.02	18.98		
20	64QAM	50	0	18.22	18.34	18.31	18.15	19.5	3
20	64QAM	50	24	18.05	18.17	18.07	18.03		
20	64QAM	50	50	18.10	18.31	18.23	18.14		
20	64QAM	100	0	18.22	18.21	18.20	18.18		
20	256QAM	1	0	16.43	16.54	16.40	16.36	17.5	5
20	256QAM	1	49	16.27	16.20	16.32	16.32		
20	256QAM	1	99	16.34	16.51	16.30	16.31		
20	256QAM	50	0	16.11	16.20	16.18	16.00	17.5	5
20	256QAM	50	24	16.22	16.11	16.15	16.11		
20	256QAM	50	50	16.04	16.11	16.00	16.08		
20	256QAM	100	0	16.18	16.25	16.15	16.14		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.21	21.28	21.20	21.16	22.5	0
15	QPSK	1	37	21.14	21.11	21.07	21.24		
15	QPSK	1	74	21.12	21.22	21.08	21.02		
15	QPSK	36	0	20.18	20.18	20.11	19.99	21.5	1
15	QPSK	36	20	20.14	20.13	20.04	19.91		
15	QPSK	36	39	20.14	20.16	20.11	20.09		
15	QPSK	75	0	20.03	20.25	20.17	20.10		
15	16QAM	1	0	19.94	20.13	20.00	19.87	21.5	1
15	16QAM	1	37	19.89	20.01	20.03	19.89		
15	16QAM	1	74	19.99	20.07	19.99	19.98		
15	16QAM	36	0	19.08	19.09	19.17	19.04	20.5	2
15	16QAM	36	20	19.02	19.19	18.93	18.99		
15	16QAM	36	39	19.03	19.13	19.00	18.87		
15	16QAM	75	0	19.11	19.15	19.20	19.10		
15	64QAM	1	0	18.92	19.15	18.98	18.88	20.5	2
15	64QAM	1	37	18.94	19.04	19.05	18.97		
15	64QAM	1	74	19.00	19.13	18.95	18.91		
15	64QAM	36	0	18.14	18.19	18.21	18.08	19.5	3
15	64QAM	36	20	17.97	18.14	17.96	17.94		
15	64QAM	36	39	18.00	18.17	18.13	18.09		
15	64QAM	75	0	18.09	18.13	18.13	18.06		
15	256QAM	1	0	16.36	16.40	16.34	16.30	17.5	5
15	256QAM	1	37	16.23	16.15	16.20	16.24		
15	256QAM	1	74	16.27	16.36	16.21	16.20		
15	256QAM	36	0	16.02	16.07	16.11	15.93	17.5	5
15	256QAM	36	20	16.14	16.01	16.03	16.03		
15	256QAM	36	39	16.00	16.03	15.89	15.95		
15	256QAM	75	0	16.07	16.14	16.07	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.27	21.32	21.23	21.22	22.5	0
10	QPSK	1	25	21.09	21.20	21.10	21.21		
10	QPSK	1	49	21.13	21.22	21.15	21.10		
10	QPSK	25	0	20.20	20.24	20.10	19.93	21.5	1
10	QPSK	25	12	20.18	20.16	19.94	19.94		
10	QPSK	25	25	20.09	20.22	20.12	20.11		
10	QPSK	50	0	20.09	20.27	20.22	20.11		
10	16QAM	1	0	19.91	20.12	19.99	19.94	21.5	1
10	16QAM	1	25	19.86	20.02	20.05	19.87		
10	16QAM	1	49	20.03	20.15	20.03	19.99		
10	16QAM	25	0	19.02	19.17	19.16	18.99	20.5	2
10	16QAM	25	12	19.12	19.11	18.94	19.00		
10	16QAM	25	25	19.03	19.08	19.07	18.89		
10	16QAM	50	0	19.14	19.13	19.12	19.07		
10	64QAM	1	0	18.92	19.16	19.08	18.85	20.5	2
10	64QAM	1	25	18.92	19.00	19.10	18.98		
10	64QAM	1	49	19.02	19.17	18.91	18.87		
10	64QAM	25	0	18.08	18.23	18.24	18.09	19.5	3
10	64QAM	25	12	17.95	18.09	17.92	17.93		
10	64QAM	25	25	18.05	18.24	18.18	18.03		
10	64QAM	50	0	18.12	18.07	18.15	18.06		
10	256QAM	1	0	16.35	16.48	16.30	16.33	17.5	5
10	256QAM	1	25	16.24	16.06	16.29	16.18		
10	256QAM	1	49	16.26	16.46	16.25	16.17		
10	256QAM	25	0	15.97	16.15	16.06	15.93	17.5	5
10	256QAM	25	12	16.16	16.02	16.04	16.03		
10	256QAM	25	25	16.00	16.03	15.93	15.98		
10	256QAM	50	0	16.12	16.19	16.11	16.02		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3645	3697.5		
5	QPSK	1	0	21.19	21.28	21.25	21.24	22.5	0
5	QPSK	1	12	21.12	21.17	21.03	21.25		
5	QPSK	1	24	21.16	21.28	21.09	21.04		
5	QPSK	12	0	20.20	20.24	20.14	19.93	21.5	1
5	QPSK	12	7	20.06	20.07	19.93	19.96		
5	QPSK	12	13	20.18	20.26	20.10	20.15		
5	QPSK	25	0	20.11	20.25	20.12	20.08		
5	16QAM	1	0	19.86	20.15	20.04	19.91	21.5	1
5	16QAM	1	12	19.84	20.01	19.98	19.90		
5	16QAM	1	24	20.08	20.05	20.04	20.06		
5	16QAM	12	0	19.05	19.18	19.15	19.06	20.5	2
5	16QAM	12	7	19.03	19.19	19.04	18.96		
5	16QAM	12	13	19.01	19.11	19.06	18.86		
5	16QAM	25	0	19.12	19.18	19.09	19.10		
5	64QAM	1	0	19.03	19.23	19.04	18.87	20.5	2
5	64QAM	1	12	18.92	19.02	19.00	18.96		
5	64QAM	1	24	19.01	19.14	18.96	18.83		
5	64QAM	12	0	18.14	18.21	18.19	18.01	19.5	3
5	64QAM	12	7	18.01	18.06	18.01	17.99		
5	64QAM	12	13	18.00	18.28	18.12	18.09		
5	64QAM	25	0	18.16	18.15	18.12	18.08		
5	256QAM	1	0	16.28	16.44	16.32	16.33	17.5	5
5	256QAM	1	12	16.20	16.17	16.29	16.19		
5	256QAM	1	24	16.23	16.46	16.25	16.26		
5	256QAM	12	0	16.02	16.16	16.15	15.86	17.5	5
5	256QAM	12	7	16.12	15.99	16.06	16.02		
5	256QAM	12	13	15.92	15.97	15.95	15.94		
5	256QAM	25	0	16.06	16.15	16.07	16.11		

Band 48 Ant7 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3695		
20	QPSK	1	0	21.29	21.40	21.36	21.25	22.5	0
20	QPSK	1	49	21.17	21.25	21.13	21.30		
20	QPSK	1	99	21.15	21.34	21.13	21.12		
20	QPSK	50	0	20.19	20.38	20.21	20.04	21.5	1
20	QPSK	50	24	20.13	20.18	19.98	20.06		
20	QPSK	50	50	20.13	20.32	20.18	20.09		
20	QPSK	100	0	20.13	20.38	20.28	20.20		
20	16QAM	1	0	19.96	20.21	20.03	19.89	21.5	1
20	16QAM	1	49	19.92	20.04	20.13	19.94		
20	16QAM	1	99	20.00	20.15	20.04	20.04		
20	16QAM	50	0	19.05	19.18	19.17	19.15	20.5	2
20	16QAM	50	24	19.24	19.14	19.07	19.01		
20	16QAM	50	50	19.10	19.23	19.14	19.04		
20	16QAM	100	0	19.22	19.19	19.18	19.15		
20	64QAM	1	0	19.09	19.24	19.19	18.88	20.5	2
20	64QAM	1	49	19.06	19.02	19.15	19.09		
20	64QAM	1	99	19.05	19.19	18.92	19.02		
20	64QAM	50	0	18.18	18.34	18.33	18.08	19.5	3
20	64QAM	50	24	17.95	18.10	18.00	17.98		
20	64QAM	50	50	18.00	18.28	18.24	18.18		
20	64QAM	100	0	18.17	18.15	18.15	18.14		
20	256QAM	1	0	16.46	16.53	16.40	16.41	17.5	5
20	256QAM	1	49	16.23	16.10	16.31	16.25		
20	256QAM	1	99	16.27	16.51	16.25	16.23		
20	256QAM	50	0	16.11	16.10	16.07	15.89	17.5	5
20	256QAM	50	24	16.24	16.15	16.07	16.03		
20	256QAM	50	50	15.99	16.08	16.08	15.95		
20	256QAM	100	0	16.13	16.21	16.03	16.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	21.31	21.32	21.34	21.22	22.5	0
15	QPSK	1	37	21.09	21.26	21.08	21.30		
15	QPSK	1	74	21.23	21.25	21.21	21.15		
15	QPSK	36	0	20.22	20.32	20.20	20.01	21.5	1
15	QPSK	36	20	20.16	20.20	20.02	20.01		
15	QPSK	36	39	20.16	20.31	20.19	20.12		
15	QPSK	75	0	20.07	20.30	20.28	20.16		
15	16QAM	1	0	19.98	20.20	20.07	19.87	21.5	1
15	16QAM	1	37	19.90	20.05	20.12	19.93		
15	16QAM	1	74	20.05	20.25	20.06	20.01		
15	16QAM	36	0	19.08	19.25	19.22	19.12	20.5	2
15	16QAM	36	20	19.15	19.20	19.10	18.90		
15	16QAM	36	39	19.06	19.17	19.04	18.98		
15	16QAM	75	0	19.12	19.20	19.21	19.08		
15	64QAM	1	0	19.15	19.34	19.16	18.95	20.5	2
15	64QAM	1	37	19.05	19.12	19.18	19.06		
15	64QAM	1	74	19.07	19.17	18.91	19.02		
15	64QAM	36	0	18.22	18.39	18.31	18.13	19.5	3
15	64QAM	36	20	17.93	18.07	17.99	17.97		
15	64QAM	36	39	18.10	18.33	18.21	18.18		
15	64QAM	75	0	18.13	18.18	18.06	18.14		
15	256QAM	1	0	16.43	16.47	16.43	16.32	17.5	5
15	256QAM	1	37	16.23	16.08	16.27	16.27		
15	256QAM	1	74	16.32	16.41	16.24	16.25		
15	256QAM	36	0	16.03	16.12	16.11	15.96	17.5	5
15	256QAM	36	20	16.19	16.08	16.08	16.00		
15	256QAM	36	39	16.03	16.06	16.06	15.96		
15	256QAM	75	0	16.13	16.20	16.05	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3695		
10	QPSK	1	0	21.25	21.34	21.28	21.19	22.5	0
10	QPSK	1	25	21.16	21.19	21.06	21.32		
10	QPSK	1	49	21.17	21.31	21.11	21.13		
10	QPSK	25	0	20.17	20.30	20.21	20.03	21.5	1
10	QPSK	25	12	20.19	20.21	20.06	20.05		
10	QPSK	25	25	20.16	20.31	20.20	20.10		
10	QPSK	50	0	20.13	20.34	20.29	20.15		
10	16QAM	1	0	19.97	20.26	20.08	19.97	21.5	1
10	16QAM	1	25	19.87	20.12	20.04	19.89		
10	16QAM	1	49	20.06	20.17	19.97	20.03		
10	16QAM	25	0	19.08	19.20	19.24	19.10	20.5	2
10	16QAM	25	12	19.17	19.17	19.07	18.96		
10	16QAM	25	25	19.06	19.14	19.05	19.07		
10	16QAM	50	0	19.15	19.25	19.18	19.11		
10	64QAM	1	0	19.11	19.35	19.17	18.90	20.5	2
10	64QAM	1	25	19.00	19.10	19.17	19.03		
10	64QAM	1	49	19.03	19.25	18.91	18.91		
10	64QAM	25	0	18.24	18.40	18.31	18.09	19.5	3
10	64QAM	25	12	17.91	18.08	17.97	17.99		
10	64QAM	25	25	18.05	18.28	18.26	18.17		
10	64QAM	50	0	18.13	18.14	18.14	18.19		
10	256QAM	1	0	16.44	16.51	16.43	16.35	17.5	5
10	256QAM	1	25	16.31	16.08	16.27	16.22		
10	256QAM	1	49	16.23	16.40	16.34	16.28		
10	256QAM	25	0	16.02	16.09	16.11	15.99	17.5	5
10	256QAM	25	12	16.21	16.05	16.04	15.98		
10	256QAM	25	25	15.97	16.07	16.06	16.00		
10	256QAM	50	0	16.14	16.23	16.10	16.11		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3643	3697.5		
5	QPSK	1	0	21.14	21.34	21.29	21.20	22.5	0
5	QPSK	1	12	21.10	21.14	21.00	21.23		
5	QPSK	1	24	21.10	21.22	21.03	21.04		
5	QPSK	12	0	20.15	20.26	20.08	19.92	21.5	1
5	QPSK	12	7	20.07	20.08	19.85	19.94		
5	QPSK	12	13	20.08	20.18	20.08	19.95		
5	QPSK	25	0	20.04	20.33	20.17	20.07		
5	16QAM	1	0	19.93	20.13	19.96	19.82	21.5	1
5	16QAM	1	12	19.78	19.90	20.09	19.82		
5	16QAM	1	24	19.93	20.07	19.92	19.91		
5	16QAM	12	0	18.96	19.12	19.11	19.03	20.5	2
5	16QAM	12	7	19.16	19.11	19.02	18.95		
5	16QAM	12	13	19.01	19.09	19.05	18.94		
5	16QAM	25	0	19.10	19.10	19.07	19.07		
5	64QAM	1	0	19.04	19.20	19.15	18.75	20.5	2
5	64QAM	1	12	18.93	18.95	19.03	19.04		
5	64QAM	1	24	18.92	19.14	18.80	18.97		
5	64QAM	12	0	18.09	18.24	18.22	18.02	19.5	3
5	64QAM	12	7	17.85	17.99	17.93	17.91		
5	64QAM	12	13	17.91	18.13	18.19	18.08		
5	64QAM	25	0	18.07	18.05	18.09	18.03		
5	256QAM	1	0	16.41	16.39	16.35	16.37	17.5	5
5	256QAM	1	12	16.18	16.02	16.25	16.12		
5	256QAM	1	24	16.21	16.37	16.11	16.19		
5	256QAM	12	0	15.99	16.03	16.00	15.83	17.5	5
5	256QAM	12	7	16.21	16.12	15.96	15.97		
5	256QAM	12	13	15.87	16.04	16.01	15.87		
5	256QAM	25	0	15.99	16.11	15.89	16.14		

Reduced Power Mode for Main PA ECI4

GSM850 Ant0 ECI4

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.92	33.10	33.04	34.00	23.92	24.10	24.04	25.00
GPRS 1 Tx slot	32.95	33.13	33.06	34.00	23.95	24.13	24.06	25.00
GPRS 2 Tx slots	30.01	30.11	30.08	31.00	24.01	24.11	24.08	25.00
GPRS 3 Tx slots	28.27	28.31	28.17	29.00	24.01	24.05	23.91	24.74
GPRS 4 Tx slots	27.07	27.15	27.04	28.00	24.07	24.15	24.04	25.00
EDGE 1 Tx slot	27.19	27.32	27.20	28.00	18.19	18.32	18.20	19.00
EDGE 2 Tx slots	24.39	24.45	24.32	25.00	18.39	18.45	18.32	19.00
EDGE 3 Tx slots	22.60	22.71	22.57	23.50	18.34	18.45	18.31	19.24
EDGE 4 Tx slots	21.36	21.44	21.33	22.50	18.36	18.44	18.33	19.50

WCDMA V Ant0 ECI4

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.34	24.35	24.28	25.00
3GPP Rel 99	RMC 12.2Kbps	24.37	24.42	24.34	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.45	23.49	24.00
3GPP Rel 6	HSDPA Subtest-2	23.47	23.43	23.42	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	23.05	23.02	23.50
3GPP Rel 6	HSDPA Subtest-4	22.90	22.88	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.40	23.52	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.36	23.50	23.27	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.79	22.86	22.85	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.78	22.93	22.86	23.50
3GPP Rel 6	HSUPA Subtest-1	23.22	23.37	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.40	21.45	21.43	22.00
3GPP Rel 6	HSUPA Subtest-3	22.41	22.58	22.47	23.00
3GPP Rel 6	HSUPA Subtest-4	21.39	21.39	21.33	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.51	23.37	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	21.09	21.05	21.50

Band 5 Ant0 ECI4

BW [MHz]	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	25.28	25.35	25.31	25.7	0
10	QPSK	1	25	25.21	25.27	25.18		
10	QPSK	1	49	25.19	25.33	25.29		
10	QPSK	25	0	24.15	24.28	24.22	24.7	1
10	QPSK	25	12	24.10	24.23	24.12		
10	QPSK	25	25	24.20	24.25	24.18		
10	QPSK	50	0	24.08	24.19	24.15		
10	16QAM	1	0	24.00	24.14	24.01	24.7	1
10	16QAM	1	25	24.01	24.10	24.00		
10	16QAM	1	49	23.97	24.05	23.94		
10	16QAM	25	0	23.16	23.26	23.22	23.7	2
10	16QAM	25	12	23.10	23.22	23.09		
10	16QAM	25	25	23.12	23.20	23.14		
10	16QAM	50	0	23.15	23.24	23.17		
10	64QAM	1	0	23.40	23.50	23.36	23.7	2
10	64QAM	1	25	23.31	23.43	23.40		
10	64QAM	1	49	23.44	23.49	23.38		
10	64QAM	25	0	22.16	22.25	22.22	22.7	3
10	64QAM	25	12	22.07	22.19	22.08		
10	64QAM	25	25	22.15	22.23	22.09		
10	64QAM	50	0	22.13	22.25	22.17		
10	256QAM	1	0	20.34	20.44	20.31	20.7	5
10	256QAM	1	25	20.26	20.29	20.24		
10	256QAM	1	49	20.28	20.38	20.29		
10	256QAM	25	0	20.17	20.25	20.12	20.7	5
10	256QAM	25	12	20.12	20.19	20.13		
10	256QAM	25	25	20.05	20.16	20.12		
10	256QAM	50	0	20.11	20.21	20.16		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.15	25.27	25.22	25.7	0
5	QPSK	1	12	25.17	25.14	25.15		
5	QPSK	1	24	25.05	25.29	25.20		
5	QPSK	12	0	24.11	24.23	24.18	24.7	1
5	QPSK	12	7	24.07	24.16	24.04		
5	QPSK	12	13	24.16	24.18	24.14		
5	QPSK	25	0	23.95	24.15	24.01		
5	16QAM	1	0	23.96	24.00	23.87	24.7	1
5	16QAM	1	12	23.87	24.04	23.89		
5	16QAM	1	24	23.87	23.93	23.90		
5	16QAM	12	0	23.12	23.22	23.13	23.7	2
5	16QAM	12	7	22.99	23.10	22.98		
5	16QAM	12	13	23.00	23.07	23.06		
5	16QAM	25	0	23.12	23.18	23.02		
5	64QAM	1	0	23.35	23.45	23.24	23.7	2
5	64QAM	1	12	23.18	23.30	23.28		
5	64QAM	1	24	23.34	23.39	23.31		
5	64QAM	12	0	22.03	22.10	22.09	22.7	3
5	64QAM	12	7	22.04	22.14	22.00		
5	64QAM	12	13	22.03	22.15	21.97		
5	64QAM	25	0	22.10	22.21	22.09		
5	256QAM	1	0	20.21	20.40	20.27	20.7	5
5	256QAM	1	12	20.11	20.25	20.18		
5	256QAM	1	24	20.19	20.32	20.25		
5	256QAM	12	0	20.08	20.15	20.03	20.7	5
5	256QAM	12	7	20.06	20.15	20.06		
5	256QAM	12	13	19.99	20.12	20.08		
5	256QAM	25	0	20.07	20.18	20.12		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.13	25.28	25.21	25.7	0
3	QPSK	1	8	25.15	25.22	25.10		
3	QPSK	1	14	25.08	25.22	25.18		
3	QPSK	8	0	24.04	24.16	24.12	24.7	1
3	QPSK	8	4	23.96	24.16	24.02		
3	QPSK	8	7	24.10	24.15	24.11		
3	QPSK	15	0	24.00	24.08	24.11		
3	16QAM	1	0	23.92	24.04	23.97	24.7	1
3	16QAM	1	8	23.98	23.96	23.87		
3	16QAM	1	14	23.91	23.96	23.88		
3	16QAM	8	0	23.11	23.19	23.17	23.7	2
3	16QAM	8	4	23.04	23.19	23.03		
3	16QAM	8	7	23.03	23.09	23.06		
3	16QAM	15	0	23.03	23.11	23.06		
3	64QAM	1	0	23.27	23.44	23.32	23.7	2
3	64QAM	1	8	23.22	23.38	23.32		
3	64QAM	1	14	23.31	23.34	23.23		
3	64QAM	8	0	22.02	22.22	22.18	22.7	3
3	64QAM	8	4	22.00	22.15	22.02		
3	64QAM	8	7	22.11	22.09	21.97		
3	64QAM	15	0	22.06	22.15	22.12		
3	256QAM	1	0	20.29	20.33	20.16	20.7	5
3	256QAM	1	8	20.18	20.19	20.17		
3	256QAM	1	14	20.16	20.35	20.25		
3	256QAM	8	0	20.13	20.12	20.00	20.7	5
3	256QAM	8	4	20.00	20.10	19.98		
3	256QAM	8	7	19.95	20.05	19.98		
3	256QAM	15	0	20.01	20.15	20.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.23	25.29	25.18	25.7	0
1.4	QPSK	1	3	25.13	25.21	25.04		
1.4	QPSK	1	5	25.16	25.27	25.24		
1.4	QPSK	3	0	25.22	25.23	25.20		
1.4	QPSK	3	1	25.17	25.24	25.15		
1.4	QPSK	3	3	25.05	25.26	25.25		
1.4	QPSK	6	0	24.06	24.14	24.17	24.7	1
1.4	16QAM	1	0	23.95	24.10	24.01	24.7	1
1.4	16QAM	1	3	24.15	24.13	24.11		
1.4	16QAM	1	5	23.99	24.13	24.05		
1.4	16QAM	3	0	23.89	24.02	23.93		
1.4	16QAM	3	1	23.89	24.00	23.92		
1.4	16QAM	3	3	23.84	24.01	23.83		
1.4	16QAM	6	0	23.12	23.13	23.14	23.7	2
1.4	64QAM	1	0	22.96	23.18	22.96	23.7	2
1.4	64QAM	1	3	22.97	23.10	23.10		
1.4	64QAM	1	5	23.12	23.09	23.12		
1.4	64QAM	3	0	23.26	23.36	23.31		
1.4	64QAM	3	1	23.22	23.35	23.36		
1.4	64QAM	3	3	23.31	23.35	23.23		
1.4	64QAM	6	0	22.04	22.22	22.07	22.7	3
1.4	256QAM	1	0	20.21	20.40	20.16	20.7	5
1.4	256QAM	1	3	20.13	20.21	20.17		
1.4	256QAM	1	5	20.16	20.34	20.16		
1.4	256QAM	3	0	20.03	20.22	19.98		
1.4	256QAM	3	1	20.06	20.16	20.00		
1.4	256QAM	3	3	19.98	20.04	20.05		
1.4	256QAM	6	0	19.96	20.13	20.03	20.7	5

GSM850 Ant1 ECI1

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.12	33.25	33.23	34.50	24.12	24.25	24.23	25.50
GPRS 1 Tx slot	33.14	33.27	33.26	34.50	24.14	24.27	24.26	25.50
GPRS 2 Tx slots	30.14	30.29	30.15	31.50	24.14	24.29	24.15	25.50
GPRS 3 Tx slots	28.39	28.49	28.42	29.50	24.13	24.23	24.16	25.24
GPRS 4 Tx slots	27.26	27.35	27.24	28.50	24.26	24.35	24.24	25.50
EDGE 1 Tx slot	27.41	27.48	27.41	28.50	18.41	18.48	18.41	19.50
EDGE 2 Tx slots	24.60	24.65	24.57	25.50	18.60	18.65	18.57	19.50
EDGE 3 Tx slots	22.78	22.86	22.80	23.50	18.52	18.60	18.54	19.24
EDGE 4 Tx slots	21.51	21.64	21.54	22.50	18.51	18.64	18.54	19.50

GSM1900 Ant1 ECI1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	29.67	29.79	29.75	31.50	20.67	20.79	20.75	22.50
GPRS 1 Tx slot	29.69	29.81	29.76	31.50	20.69	20.81	20.76	22.50
GPRS 2 Tx slots	26.72	26.84	26.78	28.50	20.72	20.84	20.76	22.50
GPRS 3 Tx slots	25.06	25.10	24.98	26.50	20.80	20.84	20.72	22.24
GPRS 4 Tx slots	23.68	23.78	23.68	25.50	20.68	20.78	20.68	22.50
EDGE 1 Tx slot	26.16	26.25	26.19	27.50	17.16	17.25	17.19	18.50
EDGE 2 Tx slots	23.17	23.31	23.19	24.50	17.17	17.31	17.19	18.50
EDGE 3 Tx slots	21.02	21.14	21.02	22.50	16.76	16.88	16.76	18.24
EDGE 4 Tx slots	21.08	21.22	21.15	22.50	18.08	18.22	18.15	19.50

WCDMA II Ant1 ECI1 | WCDMA IV Ant1 ECI1 | WCDMA V Ant1 ECI1

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	23.39	23.47	23.42	25.00	23.46	23.51	23.48	25.00	24.07	24.19	24.13	25.50
3GPP Rel 99	RMC 12.2Kbps	23.43	23.51	23.45	25.00	23.51	23.58	23.53	25.00	24.12	24.22	24.14	25.50
3GPP Rel 6	HSDPA Subtest-1	22.27	22.31	22.34	24.00	22.31	22.46	22.45	24.00	23.06	23.17	23.10	24.50
3GPP Rel 6	HSDPA Subtest-2	22.30	22.37	22.20	24.00	22.39	22.42	22.32	24.00	23.11	23.07	23.07	24.50
3GPP Rel 6	HSDPA Subtest-3	21.85	21.88	21.79	23.50	21.90	21.99	21.87	23.50	22.57	22.65	22.60	24.00
3GPP Rel 6	HSDPA Subtest-4	21.70	21.83	21.90	23.50	21.83	21.92	21.95	23.50	22.56	22.63	22.59	24.00
3GPP Rel 8	DC-HSDPA Subtest-1	22.17	22.25	22.39	24.00	22.30	22.36	22.45	24.00	23.03	23.08	23.14	24.50
3GPP Rel 8	DC-HSDPA Subtest-2	22.23	22.33	22.30	24.00	22.33	22.38	22.39	24.00	22.98	23.04	23.08	24.50
3GPP Rel 8	DC-HSDPA Subtest-3	21.76	21.87	21.71	23.50	21.80	22.01	21.85	23.50	22.44	22.65	22.57	24.00
3GPP Rel 8	DC-HSDPA Subtest-4	21.68	21.76	21.68	23.50	21.76	21.86	21.80	23.50	22.46	22.59	22.50	24.00
3GPP Rel 6	HSUPA Subtest-1	22.06	22.20	22.29	24.00	22.21	22.32	22.33	24.00	22.92	23.01	23.01	24.50
3GPP Rel 6	HSUPA Subtest-2	20.39	20.35	20.33	22.00	20.42	20.40	20.47	22.00	21.08	21.14	21.15	22.50
3GPP Rel 6	HSUPA Subtest-3	21.39	21.37	21.44	23.00	21.46	21.51	21.48	23.00	22.15	22.21	22.21	23.50
3GPP Rel 6	HSUPA Subtest-4	20.32	20.33	20.18	22.00	20.39	20.42	20.25	22.00	21.10	21.06	20.99	22.50
3GPP Rel 6	HSUPA Subtest-5	22.20	22.32	22.32	24.00	22.29	22.39	22.37	24.00	23.00	23.10	23.04	24.50
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	19.95	19.85	19.93	21.50	20.03	19.97	20.04	21.50	20.68	20.71	20.73	22.00

Band 2 Ant1 ECI4

BW [MHz]	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	24.29	24.35	24.33	25.5	0
20	QPSK	1	49	24.20	24.32	24.24		
20	QPSK	1	99	24.25	24.33	24.30		
20	QPSK	50	0	23.20	23.29	23.27		
20	QPSK	50	24	23.07	23.25	23.16	24.5	1
20	QPSK	50	50	23.15	23.21	23.19		
20	QPSK	100	0	23.14	23.18	23.17		
20	16QAM	1	0	23.01	23.10	23.01		
20	16QAM	1	49	23.07	23.10	22.96	24.5	1
20	16QAM	1	99	23.02	23.08	22.96		
20	16QAM	50	0	22.13	22.29	22.22		
20	16QAM	50	24	22.08	22.27	22.10	23.5	2
20	16QAM	50	50	22.07	22.25	22.12		
20	16QAM	100	0	22.12	22.25	22.22		
20	64QAM	1	0	22.44	22.57	22.39		
20	64QAM	1	49	22.31	22.49	22.36	23.5	2
20	64QAM	1	99	22.40	22.55	22.43		
20	64QAM	50	0	21.11	21.30	21.24		
20	64QAM	50	24	21.09	21.22	21.04	22.5	3
20	64QAM	50	50	21.16	21.19	21.07		
20	64QAM	100	0	21.08	21.24	21.18		
20	256QAM	1	0	19.35	19.41	19.36		
20	256QAM	1	49	19.23	19.33	19.23	20.5	5
20	256QAM	1	99	19.33	19.44	19.28		
20	256QAM	50	0	19.21	19.31	19.09		
20	256QAM	50	24	19.09	19.19	19.12	20.5	5
20	256QAM	50	50	19.07	19.13	19.14		
20	256QAM	100	0	19.12	19.24	19.23		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.25	24.30	24.20	25.5	0
15	QPSK	1	37	24.14	24.24	24.09		
15	QPSK	1	74	24.11	24.25	24.18		
15	QPSK	36	0	23.14	23.21	23.19		
15	QPSK	36	20	22.94	23.17	23.03	24.5	1
15	QPSK	36	39	23.06	23.10	23.07		
15	QPSK	75	0	23.04	23.15	23.14		
15	16QAM	1	0	22.93	23.06	22.95		
15	16QAM	1	37	22.95	23.01	22.83	24.5	1
15	16QAM	1	74	22.99	22.94	22.90		
15	16QAM	36	0	22.04	22.25	22.13		
15	16QAM	36	20	22.00	22.12	22.07	23.5	2
15	16QAM	36	39	21.97	22.11	22.06		
15	16QAM	75	0	22.05	22.22	22.15		
15	64QAM	1	0	22.37	22.49	22.24		
15	64QAM	1	37	22.18	22.45	22.27	23.5	2
15	64QAM	1	74	22.26	22.43	22.38		
15	64QAM	36	0	20.96	21.25	21.19		
15	64QAM	36	20	21.01	21.12	20.95	22.5	3
15	64QAM	36	39	21.07	21.05	21.02		
15	64QAM	75	0	20.96	21.17	21.04		
15	256QAM	1	0	19.29	19.30	19.28		
15	256QAM	1	37	19.16	19.22	19.18	20.5	5
15	256QAM	1	74	19.21	19.38	19.22		
15	256QAM	36	0	19.06	19.27	18.98		
15	256QAM	36	20	19.06	19.14	19.07	20.5	5
15	256QAM	36	39	18.94	19.06	19.10		
15	256QAM	75	0	19.01	19.10	19.10		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.23	24.26	24.19	25.5	0
10	QPSK	1	25	24.11	24.24	24.16		
10	QPSK	1	49	24.20	24.22	24.26		
10	QPSK	25	0	23.08	23.26	23.23		
10	QPSK	25	12	22.99	23.13	23.11	24.5	1
10	QPSK	25	25	23.04	23.07	23.12		
10	QPSK	50	0	23.00	23.09	23.05		
10	16QAM	1	0	22.93	23.00	22.97		
10	16QAM	1	25	22.97	22.96	22.87	24.5	1
10	16QAM	1	49	22.96	22.93	22.83		
10	16QAM	25	0	22.05	22.25	22.10		
10	16QAM	25	12	21.94	22.17	21.98	23.5	2
10	16QAM	25	25	21.95	22.14	22.06		
10	16QAM	50	0	22.07	22.11	22.10		
10	64QAM	1	0	22.32	22.44	22.27		
10	64QAM	1	25	22.21	22.36	22.26	23.5	2
10	64QAM	1	49	22.36	22.41	22.33		
10	64QAM	25	0	21.04	21.20	21.10		
10	64QAM	25	12	21.05	21.16	20.92	22.5	3
10	64QAM	25	25	21.08	21.08	20.96		
10	64QAM	50	0	20.96	21.16	21.03		
10	256QAM	1	0	19.31	19.31	19.26		
10	256QAM	1	25	19.16	19.30	19.18	20.5	5
10	256QAM	1	49	19.19	19.37	19.14		
10	256QAM	25	0	19.12	19.19	18.94		
10	256QAM	25	12	18.96	19.13	19.01	20.5	5
10	256QAM	25	25	18.95	19.03	19.05		
10	256QAM	50	0	19.09	19.20	19.15		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.17	24.29	24.18	25.5	0
5	QPSK	1	12	24.14	24.24	24.13		
5	QPSK	1	24	24.14	24.25	24.18		
5	QPSK	12	0	23.10	23.19	23.17	24.5	1
5	QPSK	12	7	22.95	23.17	23.06		
5	QPSK	12	13	23.00	23.11	23.10		
5	QPSK	25	0	23.11	23.04	23.05		
5	16QAM	1	0	22.94	22.96	22.87	24.5	1
5	16QAM	1	12	22.92	22.95	22.90		
5	16QAM	1	24	22.98	23.02	22.85		
5	16QAM	12	0	21.99	22.15	22.11	23.5	2
5	16QAM	12	7	21.99	22.12	21.96		
5	16QAM	12	13	22.04	22.12	22.07		
5	16QAM	25	0	22.01	22.22	22.10		
5	64QAM	1	0	22.29	22.48	22.32	23.5	2
5	64QAM	1	12	22.17	22.45	22.23		
5	64QAM	1	24	22.35	22.48	22.37		
5	64QAM	12	0	21.06	21.22	21.13	22.5	3
5	64QAM	12	7	20.97	21.12	20.99		
5	64QAM	12	13	21.07	21.04	20.96		
5	64QAM	25	0	21.00	21.17	21.05		
5	256QAM	1	0	19.23	19.35	19.25	20.5	5
5	256QAM	1	12	19.12	19.24	19.19		
5	256QAM	1	24	19.20	19.41	19.21		
5	256QAM	12	0	19.12	19.19	18.96	20.5	5
5	256QAM	12	7	18.99	19.09	19.09		
5	256QAM	12	13	18.98	19.08	19.06		
5	256QAM	25	0	19.02	19.19	19.11		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.20	24.31	24.19	25.5	0
3	QPSK	1	8	24.10	24.18	24.17		
3	QPSK	1	14	24.17	24.20	24.17		
3	QPSK	8	0	23.16	23.20	23.22	24.5	1
3	QPSK	8	4	23.02	23.18	23.04		
3	QPSK	8	7	23.08	23.18	23.09		
3	QPSK	15	0	23.03	23.06	23.09		
3	16QAM	1	0	22.90	22.99	22.87	24.5	1
3	16QAM	1	8	22.96	23.05	22.91		
3	16QAM	1	14	22.93	23.04	22.90		
3	16QAM	8	0	22.00	22.19	22.11	23.5	2
3	16QAM	8	4	21.98	22.16	22.05		
3	16QAM	8	7	21.99	22.13	22.07		
3	16QAM	15	0	22.01	22.13	22.09		
3	64QAM	1	0	22.34	22.50	22.30	23.5	2
3	64QAM	1	8	22.25	22.43	22.25		
3	64QAM	1	14	22.36	22.44	22.36		
3	64QAM	8	0	20.98	21.22	21.19	22.5	3
3	64QAM	8	4	20.95	21.12	20.94		
3	64QAM	8	7	21.05	21.15	21.00		
3	64QAM	15	0	21.00	21.16	21.10		
3	256QAM	1	0	19.31	19.33	19.27	20.5	5
3	256QAM	1	8	19.15	19.24	19.19		
3	256QAM	1	14	19.25	19.31	19.20		
3	256QAM	8	0	19.14	19.24	18.95	20.5	5
3	256QAM	8	4	18.96	19.16	18.99		
3	256QAM	8	7	18.94	19.02	19.08		
3	256QAM	15	0	19.00	19.10	19.15		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.22	24.25	24.27	25.5	0
1.4	QPSK	1	3	24.07	24.20	24.16		
1.4	QPSK	1	5	24.17	24.23	24.20		
1.4	QPSK	3	0	24.14	24.22	24.20		
1.4	QPSK	3	1	24.09	24.26	24.17		
1.4	QPSK	3	3	24.19	24.21	24.16		
1.4	QPSK	6	0	23.06	23.20	23.15	24.5	1
1.4	16QAM	1	0	22.96	23.13	23.01	24.5	1
1.4	16QAM	1	3	23.02	23.10	23.12		
1.4	16QAM	1	5	23.05	23.05	23.12		
1.4	16QAM	3	0	22.93	23.06	22.88		
1.4	16QAM	3	1	22.93	23.01	22.81		
1.4	16QAM	3	3	22.91	22.94	22.84		
1.4	16QAM	6	0	21.98	22.25	22.07	23.5	2
1.4	64QAM	1	0	21.94	22.23	21.97	23.5	2
1.4	64QAM	1	3	21.92	22.12	22.05		
1.4	64QAM	1	5	22.04	22.19	22.12		
1.4	64QAM	3	0	22.39	22.53	22.32		
1.4	64QAM	3	1	22.27	22.38	22.28		
1.4	64QAM	3	3	22.34	22.45	22.39		
1.4	64QAM	6	0	21.07	21.19	21.12	22.5	3
1.4	256QAM	1	0	19.25	19.31	19.21	20.5	5
1.4	256QAM	1	3	19.12	19.25	19.10		
1.4	256QAM	1	5	19.28	19.32	19.14		
1.4	256QAM	3	0	19.10	19.21	18.97		
1.4	256QAM	3	1	18.98	19.08	19.06		
1.4	256QAM	3	3	19.09	19.12	19.04		
1.4	256QAM	6	0	19.02	19.19	19.16	20.5	5

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BW [MHz]	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	24.15	24.31	24.19	25.5	0
20	QPSK	1	49	24.17	24.21	24.12		
20	QPSK	1	99	24.03	24.16	24.21		
20	QPSK	50	0	23.15	23.23	23.14		
20	QPSK	50	24	22.97	23.20	23.11	24.5	1
20	QPSK	50	50	23.09	23.14	23.08		
20	QPSK	100	0	23.07	23.14	23.10		
20	16QAM	1	0	22.97	23.01	22.93		
20	16QAM	1	49	22.98	23.07	22.89	24.5	1
20	16QAM	1	99	22.87	22.96	22.86		
20	16QAM	50	0	22.02	22.16	22.08		
20	16QAM	50	24	21.97	22.15	22.01	23.5	2
20	16QAM	50	50	21.95	22.22	22.07		
20	16QAM	100	0	22.02	22.11	22.11		
20	64QAM	1	0	22.37	22.46	22.29		
20	64QAM	1	49	22.22	22.39	22.25	23.5	2
20	64QAM	1	99	22.27	22.50	22.30		
20	64QAM	50	0	20.98	21.21	21.13		
20	64QAM	50	24	20.97	21.12	20.91	22.5	3
20	64QAM	50	50	21.06	21.11	20.97		
20	64QAM	100	0	20.94	21.20	21.04		
20	256QAM	1	0	19.31	19.26	19.25		
20	256QAM	1	49	19.20	19.29	19.16	20.5	5
20	256QAM	1	99	19.18	19.31	19.21		
20	256QAM	50	0	19.12	19.22	18.99		
20	256QAM	50	24	18.99	19.09	19.02	20.5	5
20	256QAM	50	50	18.98	19.07	19.07		
20	256QAM	100	0	18.99	19.20	19.20		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.07	24.19	24.13	25.5	0
15	QPSK	1	37	24.10	24.31	24.04		
15	QPSK	1	74	24.08	24.11	24.10		
15	QPSK	36	0	23.04	23.14	23.03		
15	QPSK	36	20	22.94	23.12	23.02	24.5	1
15	QPSK	36	39	22.96	23.11	22.93		
15	QPSK	75	0	22.94	23.06	23.05		
15	16QAM	1	0	22.86	22.98	22.88		
15	16QAM	1	37	22.88	23.03	22.82	24.5	1
15	16QAM	1	74	22.83	22.82	22.74		
15	16QAM	36	0	21.98	22.03	21.95		
15	16QAM	36	20	21.92	22.04	21.92	23.5	2
15	16QAM	36	39	21.82	22.16	21.96		
15	16QAM	75	0	21.92	22.05	21.97		
15	64QAM	1	0	22.33	22.31	22.22		
15	64QAM	1	37	22.15	22.26	22.19	23.5	2
15	64QAM	1	74	22.16	22.43	22.21		
15	64QAM	36	0	20.94	21.15	20.98		
15	64QAM	36	20	20.87	21.07	20.83	22.5	3
15	64QAM	36	39	20.99	21.02	20.89		
15	64QAM	75	0	20.80	21.14	20.93		
15	256QAM	1	0	19.17	19.20	19.19		
15	256QAM	1	37	19.07	19.18	19.09	20.5	5
15	256QAM	1	74	19.12	19.26	19.13		
15	256QAM	36	0	18.99	19.15	18.87		
15	256QAM	36	20	18.86	19.04	18.87	20.5	5
15	256QAM	36	39	18.88	18.98	18.87		
15	256QAM	75	0	18.91	19.15	19.15		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.02	24.27	24.13	25.5	0
10	QPSK	1	25	24.10	24.11	23.97		
10	QPSK	1	49	23.97	24.17	24.10		
10	QPSK	25	0	23.07	23.18	23.02		
10	QPSK	25	12	22.93	23.16	23.01	24.5	1
10	QPSK	25	25	22.96	23.02	22.95		
10	QPSK	50	0	22.92	23.06	23.03		
10	16QAM	1	0	22.82	22.90	22.82		
10	16QAM	1	25	22.93	23.01	22.81	24.5	1
10	16QAM	1	49	22.73	22.88	22.82		
10	16QAM	25	0	21.93	22.02	21.97		
10	16QAM	25	12	21.84	22.06	21.88	23.5	2
10	16QAM	25	25	21.89	22.14	21.98		
10	16QAM	50	0	21.98	22.04	22.01		
10	64QAM	1	0	22.26	22.40	22.14		
10	64QAM	1	25	22.13	22.30	22.20	23.5	2
10	64QAM	1	49	22.13	22.39	22.22		
10	64QAM	25	0	20.90	21.06	21.08		
10	64QAM	25	12	20.92	21.00	20.78	22.5	3
10	64QAM	25	25	20.91	21.02	20.93		
10	64QAM	50	0	20.89	21.10	20.99		
10	256QAM	1	0	19.16	19.19	19.18		
10	256QAM	1	25	19.09	19.25	19.08	20.5	5
10	256QAM	1	49	19.03	19.22	19.11		
10	256QAM	25	0	19.05	19.18	18.84		
10	256QAM	25	12	18.91	19.00	18.89	20.5	5
10	256QAM	25	25	18.88	18.93	18.94		
10	256QAM	50	0	18.85	19.16	19.05		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.00	24.21	24.05	25.5	0
5	QPSK	1	12	24.10	24.08	24.02		
5	QPSK	1	24	23.98	24.09	24.12		
5	QPSK	12	0	23.01	23.19	23.04	24.5	1
5	QPSK	12	7	22.84	23.06	23.07		
5	QPSK	12	13	23.03	23.01	22.93		
5	QPSK	25	0	22.88	23.11	23.05		
5	16QAM	1	0	22.85	22.91	22.81	24.5	1
5	16QAM	1	12	22.87	23.01	22.82		
5	16QAM	1	24	22.81	22.93	22.78		
5	16QAM	12	0	21.87	22.03	21.95	23.5	2
5	16QAM	12	7	21.85	22.10	21.93		
5	16QAM	12	13	21.89	22.18	21.96		
5	16QAM	25	0	21.94	22.02	22.02		
5	64QAM	1	0	22.31	22.40	22.25	23.5	2
5	64QAM	1	12	22.07	22.26	22.19		
5	64QAM	1	24	22.13	22.39	22.20		
5	64QAM	12	0	20.95	21.12	21.06	22.5	3
5	64QAM	12	7	20.89	21.02	20.82		
5	64QAM	12	13	21.02	20.98	20.93		
5	64QAM	25	0	20.79	21.16	20.90		
5	256QAM	1	0	19.21	19.23	19.13	20.5	5
5	256QAM	1	12	19.12	19.22	19.12		
5	256QAM	1	24	19.08	19.23	19.10		
5	256QAM	12	0	19.08	19.14	18.90	20.5	5
5	256QAM	12	7	18.87	19.05	18.99		
5	256QAM	12	13	18.88	18.93	18.95		
5	256QAM	25	0	18.93	19.15	19.14		
Channel				19950	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.11	24.23	24.05	25.5	0
3	QPSK	1	8	24.06	24.15	23.98		
3	QPSK	1	14	24.06	24.15	24.16		
3	QPSK	8	0	23.11	23.10	23.05	24.5	1
3	QPSK	8	4	22.96	23.14	22.98		
3	QPSK	8	7	22.97	23.06	22.95		
3	QPSK	15	0	22.93	23.07	22.96		
3	16QAM	1	0	22.87	22.95	22.81	24.5	1
3	16QAM	1	8	22.84	22.97	22.84		
3	16QAM	1	14	22.79	22.83	22.82		
3	16QAM	8	0	21.94	22.12	21.99	23.5	2
3	16QAM	8	4	21.85	22.03	21.88		
3	16QAM	8	7	21.81	22.14	21.98		
3	16QAM	15	0	21.91	21.97	22.06		
3	64QAM	1	0	22.32	22.37	22.21	23.5	2
3	64QAM	1	8	22.14	22.36	22.18		
3	64QAM	1	14	22.20	22.35	22.19		
3	64QAM	8	0	20.92	21.15	21.01	22.5	3
3	64QAM	8	4	20.83	21.00	20.82		
3	64QAM	8	7	20.97	21.02	20.92		
3	64QAM	15	0	20.83	21.11	20.92		
3	256QAM	1	0	19.18	19.22	19.17	20.5	5
3	256QAM	1	8	19.10	19.20	19.09		
3	256QAM	1	14	19.10	19.19	19.15		
3	256QAM	8	0	18.99	19.11	18.93	20.5	5
3	256QAM	8	4	18.88	19.02	18.94		
3	256QAM	8	7	18.85	18.96	18.97		
3	256QAM	15	0	18.95	19.09	19.12		
Channel				19937	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.02	24.24	24.12	25.5	0
1.4	QPSK	1	3	24.02	24.14	24.02		
1.4	QPSK	1	5	23.98	24.16	24.17		
1.4	QPSK	3	0	24.10	24.23	24.12		
1.4	QPSK	3	1	24.05	24.18	24.01		
1.4	QPSK	3	3	24.00	24.12	24.07		
1.4	QPSK	6	0	23.00	23.20	23.02	24.5	1
1.4	16QAM	1	0	22.86	23.07	23.02	24.5	1
1.4	16QAM	1	3	23.04	23.04	23.04		
1.4	16QAM	1	5	22.93	23.04	22.98		
1.4	16QAM	3	0	22.91	22.96	22.88		
1.4	16QAM	3	1	22.91	22.93	22.81		
1.4	16QAM	3	3	22.75	22.92	22.72		
1.4	16QAM	6	0	21.96	22.08	22.05	23.5	2
1.4	64QAM	1	0	21.89	22.10	21.87	23.5	2
1.4	64QAM	1	3	21.82	22.13	22.04		
1.4	64QAM	1	5	21.88	22.03	22.01		
1.4	64QAM	3	0	22.27	22.37	22.20		
1.4	64QAM	3	1	22.14	22.25	22.21		
1.4	64QAM	3	3	22.20	22.38	22.27		
1.4	64QAM	6	0	20.89	21.16	20.99	22.5	3
1.4	256QAM	1	0	19.20	19.20	19.21	20.5	5
1.4	256QAM	1	3	19.13	19.16	19.06		
1.4	256QAM	1	5	19.14	19.19	19.15		
1.4	256QAM	3	0	19.01	19.16	18.88		
1.4	256QAM	3	1	18.93	19.05	18.91		
1.4	256QAM	3	3	18.84	18.98	19.02		
1.4	256QAM	6	0	18.88	19.13	19.08	20.5	5

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BW [MHz]	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	25.07	25.15	25.11	25.7	0
10	QPSK	1	25	25.04	25.07	25.01		
10	QPSK	1	49	24.95	25.13	25.05		
10	QPSK	25	0	24.01	24.10	24.01		
10	QPSK	25	12	23.94	24.04	23.98	24.7	1
10	QPSK	25	25	24.03	24.03	23.97		
10	QPSK	50	0	23.92	24.05	23.92		
10	16QAM	1	0	23.79	24.01	23.83		
10	16QAM	1	25	23.79	23.91	23.76	24.7	1
10	16QAM	1

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.86	23.89	23.82	25	0
20	QPSK	1	49	23.81	23.82	23.70		
20	QPSK	1	99	23.78	23.88	23.76		
20	QPSK	50	0	22.71	22.87	22.82	24	1
20	QPSK	50	24	22.60	22.85	22.71		
20	QPSK	50	50	22.79	22.86	22.78		
20	QPSK	100	0	22.63	22.81	22.71		
20	16QAM	1	0	22.51	22.74	22.55	24	1
20	16QAM	1	49	22.62	22.60	22.52		
20	16QAM	1	99	22.48	22.60	22.52		
20	16QAM	50	0	21.69	21.83	21.81	23	2
20	16QAM	50	24	21.64	21.78	21.68		
20	16QAM	50	50	21.63	21.79	21.65		
20	16QAM	100	0	21.65	21.76	21.78		
20	64QAM	1	0	21.68	21.73	21.59	23	2
20	64QAM	1	49	21.56	21.67	21.60		
20	64QAM	1	99	21.66	21.71	21.62		
20	64QAM	50	0	20.77	20.77	20.80	22	3
20	64QAM	50	24	20.61	20.78	20.64		
20	64QAM	50	50	20.73	20.75	20.60		
20	64QAM	100	0	20.72	20.79	20.70		
20	256QAM	1	0	18.89	19.06	18.85	20	5
20	256QAM	1	49	18.87	18.89	18.85		
20	256QAM	1	99	18.80	18.94	18.88		
20	256QAM	50	0	18.72	18.81	18.66	20	5
20	256QAM	50	24	18.64	18.81	18.66		
20	256QAM	50	50	18.58	18.69	18.64		
20	256QAM	100	0	18.64	18.79	18.76		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.80	23.86	23.81	25	0
15	QPSK	1	37	23.77	23.81	23.65		
15	QPSK	1	74	23.76	23.87	23.77		
15	QPSK	36	0	22.66	22.78	22.75	24	1
15	QPSK	36	20	22.58	22.79	22.71		
15	QPSK	36	39	22.71	22.79	22.69		
15	QPSK	75	0	22.65	22.72	22.65		
15	16QAM	1	0	22.48	22.67	22.55	24	1
15	16QAM	1	37	22.59	22.51	22.46		
15	16QAM	1	74	22.45	22.62	22.54		
15	16QAM	36	0	21.63	21.73	21.74	23	2
15	16QAM	36	20	21.60	21.75	21.58		
15	16QAM	36	39	21.60	21.72	21.56		
15	16QAM	75	0	21.61	21.69	21.76		
15	64QAM	1	0	21.66	21.71	21.54	23	2
15	64QAM	1	37	21.48	21.60	21.57		
15	64QAM	1	74	21.64	21.66	21.60		
15	64QAM	36	0	20.79	20.68	20.72	22	3
15	64QAM	36	20	20.59	20.69	20.57		
15	64QAM	36	39	20.64	20.69	20.52		
15	64QAM	75	0	20.69	20.78	20.69		
15	256QAM	1	0	18.85	18.97	18.87	20	5
15	256QAM	1	37	18.81	18.90	18.82		
15	256QAM	1	74	18.72	18.87	18.79		
15	256QAM	36	0	18.64	18.77	18.67	20	5
15	256QAM	36	20	18.56	18.73	18.67		
15	256QAM	36	39	18.50	18.66	18.58		
15	256QAM	75	0	18.61	18.74	18.66		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.75	23.84	23.79	25	0
10	QPSK	1	25	23.68	23.77	23.64		
10	QPSK	1	49	23.74	23.83	23.67		
10	QPSK	25	0	22.70	22.82	22.83	24	1
10	QPSK	25	12	22.61	22.78	22.71		
10	QPSK	25	25	22.72	22.88	22.73		
10	QPSK	50	0	22.59	22.80	22.72		
10	16QAM	1	0	22.60	22.71	22.55	24	1
10	16QAM	1	25	22.54	22.51	22.46		
10	16QAM	1	49	22.47	22.57	22.47		
10	16QAM	25	0	21.62	21.85	21.83	23	2
10	16QAM	25	12	21.55	21.76	21.63		
10	16QAM	25	25	21.63	21.81	21.60		
10	16QAM	50	0	21.61	21.74	21.72		
10	64QAM	1	0	21.66	21.68	21.58	23	2
10	64QAM	1	25	21.49	21.63	21.57		
10	64QAM	1	49	21.63	21.65	21.54		
10	64QAM	25	0	20.76	20.73	20.78	22	3
10	64QAM	25	12	20.58	20.75	20.66		
10	64QAM	25	25	20.75	20.66	20.52		
10	64QAM	50	0	20.70	20.70	20.63		
10	256QAM	1	0	18.80	19.06	18.78	20	5
10	256QAM	1	25	18.84	18.79	18.82		
10	256QAM	1	49	18.73	18.91	18.81		
10	256QAM	25	0	18.73	18.81	18.66	20	5
10	256QAM	25	12	18.62	18.80	18.61		
10	256QAM	25	25	18.57	18.69	18.59		
10	256QAM	50	0	18.55	18.72	18.75		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.76	23.80	23.72	25	0
5	QPSK	1	12	23.71	23.76	23.66		
5	QPSK	1	24	23.67	23.71	23.65		
5	QPSK	12	0	22.63	22.82	22.80	24	1
5	QPSK	12	7	22.52	22.84	22.67		
5	QPSK	12	13	22.70	22.83	22.74		
5	QPSK	25	0	22.55	22.80	22.62		
5	16QAM	1	0	22.52	22.73	22.51	24	1
5	16QAM	1	12	22.56	22.58	22.50		
5	16QAM	1	24	22.49	22.60	22.51		
5	16QAM	12	0	21.64	21.73	21.79	23	2
5	16QAM	12	7	21.54	21.74	21.69		
5	16QAM	12	13	21.58	21.73	21.60		
5	16QAM	25	0	21.58	21.75	21.80		
5	64QAM	1	0	21.69	21.71	21.59	23	2
5	64QAM	1	12	21.54	21.61	21.61		
5	64QAM	1	24	21.66	21.67	21.60		
5	64QAM	12	0	20.69	20.71	20.81	22	3
5	64QAM	12	7	20.57	20.78	20.59		
5	64QAM	12	13	20.74	20.73	20.50		
5	64QAM	25	0	20.64	20.78	20.69		
5	256QAM	1	0	18.88	19.01	18.85	20	5
5	256QAM	1	12	18.78	18.89	18.78		
5	256QAM	1	24	18.73	18.89	18.86		
5	256QAM	12	0	18.65	18.74	18.60	20	5
5	256QAM	12	7	18.65	18.79	18.60		
5	256QAM	12	13	18.48	18.61	18.56		
5	256QAM	25	0	18.59	18.79	18.72		

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BW [MHz]	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	24.45	24.49	24.42	25.5	0
20	QPSK	1	49	24.28	24.43	24.31		
20	QPSK	1	99	24.27	24.46	24.43		
20	QPSK	50	0	23.29	23.36	23.31	24.5	1
20	QPSK	50	24	23.26	23.32	23.21		
20	QPSK	50	50	23.29	23.35	23.26		
20	QPSK	100	0	23.22	23.31	23.28		
20	16QAM	1	0	23.12	23.19	23.06	24.5	1
20	16QAM	1	49	23.16	23.26	23.17		
20	16QAM	1	99	23.07	23.22	23.02		
20	16QAM	50	0	22.29	22.33	22.38	23.5	2
20	16QAM	50	24	22.22	22.29	22.21		
20	16QAM	50	50	22.22	22.28	22.26		
20	16QAM	100	0	22.27	22.40	22.32		
20	64QAM	1	0	22.18	22.29	22.13	23.5	2
20	64QAM	1	49	22.14	22.19	22.18		
20	64QAM	1	99	22.26	22.26	22.21		
20	64QAM	50	0	21.22	21.31	21.38	22.5	3
20	64QAM	50	24	21.16	21.27	21.24		
20	64QAM	50	50	21.31	21.29	21.24		
20	64QAM	100	0	21.23	21.33	21.24		
20	256QAM	1	0	19.50	19.57	19.45	20.5	5
20	256QAM	1	49	19.43	19.43	19.41		
20	256QAM	1	99	19.36	19.47	19.39		
20	256QAM	50	0	19.24	19.42	19.25	20.5	5
20	256QAM	50	24	19.27	19.29	19.25		
20	256QAM	50	50	19.20	19.27	19.20		
20	256QAM	100	0	19.16	19.28	19.25		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.40	24.44	24.34	25.5	0
15	QPSK	1	37	24.21	24.38	24.22		
15	QPSK	1	74	24.15	24.36	24.34		
15	QPSK	36	0	23.22	23.28	23.18	24.5	1
15	QPSK	36	20	23.18	23.18	23.07		
15	QPSK	36	39	23.24	23.31	23.19		
15	QPSK	75	0	23.16	23.16	23.18		
15	16QAM	1	0	22.98	23.12	23.00	24.5	1
15	16QAM	1	37	23.10	23.17	23.11		
15	16QAM	1	74	22.96	23.16	22.91		
15	16QAM	36	0	22.19	22.22	22.23	23.5	2
15	16QAM	36	20	22.16	22.22	22.15		
15	16QAM	36	39	22.10	22.20	22.15		
15	16QAM	75	0	22.21	22.33	22.22		
15	64QAM	1	0	22.10	22.23	22.09	23.5	2
15	64QAM	1	37	22.06	22.13	22.04		
15	64QAM	1	74	22.12	22.18	22.16		
15	64QAM	36	0	21.15	21.16	21.30	22.5	3
15	64QAM	36	20	21.08	21.20	21.09		
15	64QAM	36	39	21.26	21.23	21.14		
15	64QAM	75	0	21.10	21.22	21.16		
15	256QAM	1	0	19.45	19.52	19.42	20.5	5
15	256QAM	1	37	19.36	19.38	19.30		
15	256QAM	1	74	19.26	19.39	19.34		
15	256QAM	36	0	19.14	19.35	19.12	20.5	5
15	256QAM	36	20	19.13	19.19	19.10		
15	256QAM	36	39	19.16	19.18	19.15		
15	256QAM	75	0	19.06	19.23	19.16		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	24.36	24.40	24.27	25.5	0
10	QPSK	1	25	24.25	24.36	24.21		
10	QPSK	1	49	24.13	24.35	24.34		
10	QPSK	25	0	23.26	23.31	23.24	24.5	1
10	QPSK	25	12	23.19	23.19	23.06		
10	QPSK	25	25	23.24	23.26	23.22		
10	QPSK	50	0	23.10	23.20	23.18		
10	16QAM	1	0	22.99	23.13	22.93	24.5	1
10	16QAM	1	25	23.06	23.12	23.07		
10	16QAM	1	49	22.96	23.12	22.93		
10	16QAM	25	0	22.16	22.25	22.32	23.5	2
10	16QAM	25	12	22.16	22.23	22.09		
10	16QAM	25	25	22.16	22.14	22.14		
10	16QAM	50	0	22.24	22.35	22.19		
10	64QAM	1	0	22.11	22.23	22.00	23.5	2
10	64QAM	1	25	21.99	22.07	22.11		
10	64QAM	1	49	22.15	22.13	22.07		
10	64QAM	25	0	21.13	21.20	21.23	22.5	3
10	64QAM	25	12	21.08	21.16	21.12		
10	64QAM	25	25	21.16	21.19	21.18		
10	64QAM	50	0	21.13	21.21	21.12		
10	256QAM	1	0	19.42	19.52	19.31	20.5	5
10	256QAM	1	25	19.39	19.36	19.30		
10	256QAM	1	49	19.25	19.36	19.28		
10	256QAM	25	0	19.15	19.30	19.22	20.5	5
10	256QAM	25	12	19.22	19.15	19.21		
10	256QAM	25	25	19.06	19.23	19.07		
10	256QAM	50	0	19.05	19.23	19.11		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	24.32	24.36	24.29	25.5	0
5	QPSK	1	12	24.14	24.37	24.19		
5	QPSK	1	24	24.20	24.42	24.31		
5	QPSK	12	0	23.21	23.27	23.25	24.5	1
5	QPSK	12	7	23.19	23.28	23.15		
5	QPSK	12	13	23.18	23.22	23.13		
5	QPSK	25	0	23.08	23.19	23.20		
5	16QAM	1	0	23.03	23.16	23.02	24.5	1
5	16QAM	1	12	23.11	23.23	23.10		
5	16QAM	1	24	22.99	23.08	22.87		
5	16QAM	12	0	22.14	22.29	22.31	23.5	2
5	16QAM	12	7	22.08	22.15	22.16		
5	16QAM	12	13	22.16	22.25	22.22		
5	16QAM	25	0	22.12	22.36	22.27		
5	64QAM	1	0	22.05	22.14	22.06	23.5	2
5	64QAM	1	12	22.04	22.10	22.11		
5	64QAM	1	24	22.16	22.19	22.08		
5	64QAM	12	0	21.16	21.22	21.30	22.5	3
5	64QAM	12	7	21.03	21.23	21.17		
5	64QAM	12	13	21.21	21.21	21.18		
5	64QAM	25	0	21.14	21.29	21.09		
5	256QAM	1	0	19.39	19.47	19.35	20.5	5
5	256QAM	1	12	19.28	19.31	19.28		
5	256QAM	1	24	19.26	19.38	19.26		
5	256QAM	12	0	19.13	19.35	19.16	20.5	5
5	256QAM	12	7	19.19	19.21	19.17		
5	256QAM	12	13	19.09	19.24	19.15		
5	256QAM	25	0	19.07	19.21	19.19		
Channel				131947	132322	132697	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	24.36	24.41	24.31	25.5	0
3	QPSK	1	8	24.23	24.30	24.16		
3	QPSK	1	14	24.24	24.39	24.39		
3	QPSK	8	0	23.18	23.24	23.21	24.5	1
3	QPSK	8	4	23.12	23.19	23.18		
3	QPSK	8	7	23.16	23.23	23.14		
3	QPSK	15	0	23.13	23.27	23.23		
3	16QAM	1	0	23.04	23.15	22.91	24.5	1
3	16QAM	1	8	23.02	23.13	23.07		
3	16QAM	1	14	22.94	23.15	22.97		
3	16QAM	8	0	22.17	22.19	22.32	23.5	2
3	16QAM	8	4	22.13	22.22	22.13		
3	16QAM	8	7	22.13	22.16	22.13		
3	16QAM	15	0	22.19	22.30	22.22		
3	64QAM	1	0	22.13	22.20	22.01	23.5	2
3	64QAM	1	8	22.07	22.13	22.04		
3	64QAM	1	14	22.13	22.20	22.08		
3	64QAM	8	0	21.17	21.23	21.33	22.5	3
3	64QAM	8	4	21.05	21.15	21.09		
3	64QAM	8	7	21.20	21.21	21.21		
3	64QAM	15	0	21.16	21.19	21.19		
3	256QAM	1	0	19.37	19.48	19.39	20.5	5
3	256QAM	1	8	19.31	19.35	19.36		
3	256QAM	1	14	19.28	19.43	19.28		
3	256QAM	8	0	19.19	19.31	19.11	20.5	5
3	256QAM	8	4	19.13	19.16	19.15		
3	256QAM	8	7	19.16	19.14	19.05		
3	256QAM	15	0	19.11	19.16	19.19		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	24.40	24.43	24.35	25.5	0
1.4	QPSK	1	3	24.18	24.30	24.27		
1.4	QPSK	1	5	24.23	24.41	24.36		
1.4	QPSK	3	0	24.37	24.38	24.38		
1.4	QPSK	3	1	24.24	24.30	24.20		
1.4	QPSK	3	3	24.14	24.39	24.39		
1.4	QPSK	6	0	23.22	23.22	23.21	24.5	1
1.4	16QAM	1	0	23.16	23.18	23.09	24.5	1
1.4	16QAM	1	3	23.22	23.24	23.13		
1.4	16QAM	1	5	23.15	23.28	23.14		
1.4	16QAM	3	0	22.98	23.13	22.97		
1.4	16QAM	3	1	23.13	23.13	23.06		
1.4	16QAM	3	3	22.94	23.08	22.90		
1.4	16QAM	6	0	22.20	22.19	22.28	23.5	2
1.4	64QAM	1	0	22.15	22.18	22.16	23.5	2
1.4	64QAM	1	3	22.12	22.23	22.13		
1.4	64QAM	1	5	22.19	22.25	22.23		
1.4	64QAM	3	0	22.09	22.21	22.09		
1.4	64QAM	3	1	22.02	22.13	22.09		
1.4	64QAM	3	3	22.15	22.19	22.06		
1.4	64QAM	6	0	21.07	21.18	21.33	22.5	3
1.4	256QAM	1	0	19.44	19.45	19.34	20.5	5
1.4	256QAM	1	3	19.28	19.37	19.27		
1.4	256QAM	1	5	19.30	19.33	19.25		
1.4	256QAM	3	0	19.17	19.37	19.15		
1.4	256QAM	3	1	19.21	19.17	19.15		
1.4	256QAM	3	3	19.06	19.19	19.11		
1.4	256QAM	6	0	19.02	19.16	19.16	20.5	5

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.70	24.84	24.76	25.5	0
20	QPSK	1	49	24.65	24.71	24.58		
20	QPSK	1	99	24.61	24.74	24.79		
20	QPSK	50	0	23.56	23.79	23.71	24.5	1
20	QPSK	50	24	23.61	23.67	23.58		
20	QPSK	50	50	23.69	23.68	23.62		
20	QPSK	100	0	23.53	23.69	23.63		
20	16QAM	1	0	23.43	23.61	23.49	24.5	1
20	16QAM	1	49	23.51	23.54	23.50		
20	16QAM	1	99	23.42	23.55	23.45		
20	16QAM	50	0	22.65	22.75	22.69	23.5	2
20	16QAM	50	24	22.59	22.64	22.49		
20	16QAM	50	50	22.53	22.66	22.61		
20	16QAM	100	0	22.66	22.76	22.66		
20	64QAM	1	0	22.55	22.59	22.46	23.5	2
20	64QAM	1	49	22.48	22.58	22.57		
20	64QAM	1	99	22.61	22.57	22.54		
20	64QAM	50	0	21.62	21.73	21.67	22.5	3
20	64QAM	50	24	21.56	21.59	21.53		
20	64QAM	50	50	21.59	21.73	21.49		
20	64QAM	100	0	21.54	21.77	21.61		
20	256QAM	1	0	19.74	19.87	19.83	20.5	5
20	256QAM	1	49	19.78	19.69	19.67		
20	256QAM	1	99	19.77	19.83	19.76		
20	256QAM	50	0	19.63	19.66	19.61	20.5	5
20	256QAM	50	24	19.56	19.63	19.62		
20	256QAM	50	50	19.46	19.64	19.56		
20	256QAM	100	0	19.57	19.70	19.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.60	24.81	24.66	25.5	0
15	QPSK	1	37	24.53	24.60	24.43		
15	QPSK	1	74	24.51	24.66	24.64		
15	QPSK	36	0	23.53	23.68	23.66	24.5	1
15	QPSK	36	20	23.52	23.55	23.52		
15	QPSK	36	39	23.59	23.64	23.47		
15	QPSK	75	0	23.42	23.57	23.52		
15	16QAM	1	0	23.40	23.53	23.41	24.5	1
15	16QAM	1	37	23.41	23.45	23.40		
15	16QAM	1	74	23.29	23.49	23.39		
15	16QAM	36	0	22.51	22.60	22.64	23.5	2
15	16QAM	36	20	22.48	22.53	22.41		
15	16QAM	36	39	22.44	22.57	22.51		
15	16QAM	75	0	22.56	22.61	22.56		
15	64QAM	1	0	22.41	22.51	22.42	23.5	2
15	64QAM	1	37	22.41	22.45	22.54		
15	64QAM	1	74	22.57	22.50	22.49		
15	64QAM	36	0	21.57	21.67	21.62	22.5	3
15	64QAM	36	20	21.48	21.51	21.38		
15	64QAM	36	39	21.50	21.59	21.41		
15	64QAM	75	0	21.41	21.69	21.53		
15	256QAM	1	0	19.70	19.74	19.79	20.5	5
15	256QAM	1	37	19.72	19.63	19.58		
15	256QAM	1	74	19.72	19.70	19.62		
15	256QAM	36	0	19.48	19.55	19.52	20.5	5
15	256QAM	36	20	19.49	19.54	19.55		
15	256QAM	36	39	19.37	19.58	19.50		
15	256QAM	75	0	19.46	19.66	19.56		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.66	24.79	24.69	25.5	0
10	QPSK	1	25	24.59	24.63	24.49		
10	QPSK	1	49	24.52	24.70	24.67		
10	QPSK	25	0	23.53	23.74	23.57	24.5	1
10	QPSK	25	12	23.56	23.53	23.54		
10	QPSK	25	25	23.56	23.54	23.49		
10	QPSK	50	0	23.43	23.59	23.52		
10	16QAM	1	0	23.36	23.56	23.38	24.5	1
10	16QAM	1	25	23.42	23.51	23.44		
10	16QAM	1	49	23.34	23.43	23.31		
10	16QAM	25	0	22.57	22.63	22.59	23.5	2
10	16QAM	25	12	22.52	22.49	22.43		
10	16QAM	25	25	22.39	22.62	22.52		
10	16QAM	50	0	22.54	22.66	22.61		
10	64QAM	1	0	22.49	22.55	22.32	23.5	2
10	64QAM	1	25	22.35	22.43	22.48		
10	64QAM	1	49	22.56	22.48	22.50		
10	64QAM	25	0	21.49	21.68	21.55	22.5	3
10	64QAM	25	12	21.43	21.52	21.44		
10	64QAM	25	25	21.51	21.61	21.34		
10	64QAM	50	0	21.46	21.66	21.57		
10	256QAM	1	0	19.68	19.81	19.71	20.5	5
10	256QAM	1	25	19.66	19.56	19.55		
10	256QAM	1	49	19.68	19.73	19.66		
10	256QAM	25	0	19.60	19.60	19.58	20.5	5
10	256QAM	25	12	19.42	19.56	19.54		
10	256QAM	25	25	19.34	19.59	19.45		
10	256QAM	50	0	19.44	19.64	19.56		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.61	24.74	24.64	25.5	0
5	QPSK	1	12	24.52	24.64	24.46		
5	QPSK	1	24	24.49	24.62	24.71		
5	QPSK	12	0	23.44	23.68	23.61	24.5	1
5	QPSK	12	7	23.50	23.54	23.50		
5	QPSK	12	13	23.62	23.57	23.51		
5	QPSK	25	0	23.39	23.59	23.58		
5	16QAM	1	0	23.32	23.51	23.36	24.5	1
5	16QAM	1	12	23.40	23.43	23.43		
5	16QAM	1	24	23.39	23.40	23.38		
5	16QAM	12	0	22.58	22.71	22.63	23.5	2
5	16QAM	12	7	22.53	22.58	22.39		
5	16QAM	12	13	22.41	22.57	22.49		
5	16QAM	25	0	22.61	22.68	22.51		
5	64QAM	1	0	22.50	22.52	22.39	23.5	2
5	64QAM	1	12	22.41	22.51	22.54		
5	64QAM	1	24	22.58	22.49	22.45		
5	64QAM	12	0	21.56	21.70	21.61	22.5	3
5	64QAM	12	7	21.44	21.49	21.42		
5	64QAM	12	13	21.48	21.64	21.44		
5	64QAM	25	0	21.45	21.73	21.48		
5	256QAM	1	0	19.62	19.83	19.77	20.5	5
5	256QAM	1	12	19.64	19.56	19.58		
5	256QAM	1	24	19.69	19.70	19.68		
5	256QAM	12	0	19.57	19.56	19.48	20.5	5
5	256QAM	12	7	19.47	19.48	19.50		
5	256QAM	12	13	19.42	19.49	19.44		
5	256QAM	25	0	19.49	19.62	19.54		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.26	25.18	25.36	25.31	25.22	25.7	0
20	QPSK	1	49	25.12	25.15	25.23	25.09	25.09		
20	QPSK	1	99	25.14	25.11	25.30	25.25	25.20		
20	QPSK	50	0	24.18	24.08	24.25	24.21	24.19	24.7	1
20	QPSK	50	24	24.14	24.06	24.18	24.10	24.14		
20	QPSK	50	50	24.17	24.16	24.21	24.11	24.06		
20	QPSK	100	0	24.05	23.99	24.18	24.12	24.10		
20	16QAM	1	0	23.94	23.94	24.15	23.95	23.97	24.7	1
20	16QAM	1	49	23.96	23.93	24.12	23.94	23.98		
20	16QAM	1	99	23.88	23.91	24.00	23.89	23.86		
20	16QAM	50	0	23.13	23.17	23.20	23.20	23.07	23.7	2
20	16QAM	50	24	23.02	23.03	23.19	23.06	23.14		
20	16QAM	50	50	23.07	23.03	23.10	23.14	23.11		
20	16QAM	100	0	23.05	23.08	23.15	23.10	23.05		
20	64QAM	1	0	23.02	23.08	23.06	22.92	23.03	23.7	2
20	64QAM	1	49	22.92	22.91	23.09	23.07	22.95		
20	64QAM	1	99	23.07	23.09	23.12	23.05	23.02		
20	64QAM	50	0	22.14	22.09	22.21	22.23	22.07	22.7	3
20	64QAM	50	24	22.02	22.02	22.17	22.03	22.03		
20	64QAM	50	50	22.05	22.12	22.14	22.05	22.05		
20	64QAM	100	0	22.15	22.06	22.25	22.09	22.15		
20	256QAM	1	0	20.30	20.27	20.34	20.23	20.32	20.7	5
20	256QAM	1	49	20.10	20.28	20.25	20.15	20.14		
20	256QAM	1	99	20.29	20.19	20.32	20.25	20.18		
20	256QAM	50	0	20.11	20.10	20.16	20.10	20.07	20.7	5
20	256QAM	50	24	20.01	20.03	20.15	20.05	20.00		
20	256QAM	50	50	20.06	19.96	20.10	20.10	19.99		
20	256QAM	100	0	20.08	20.12	20.16	20.18	20.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	25.20	25.14	25.31	25.25	25.12	26	0
15	QPSK	1	37	25.05	25.02	25.19	25.05	25.05		
15	QPSK	1	74	25.00	25.03	25.16	25.16	25.12		
15	QPSK	36	0	24.10	23.93	24.12	24.11	24.13	24.7	1
15	QPSK	36	20	24.06	24.03	24.03	24.04	24.03		
15	QPSK	36	39	24.13	24.08	24.20	24.07	23.92		
15	QPSK	75	0	24.02	23.89	24.03	24.08	24.05		
15	16QAM	1	0	23.79	23.86	24.03	23.82	23.91	24.7	1
15	16QAM	1	37	23.84	23.84	23.99	23.85	23.92		
15	16QAM	1	74	23.78	23.81	23.90	23.75	23.75		
15	16QAM	36	0	23.09	23.08	23.14	23.12	22.98	23.7	2
15	16QAM	36	20	22.92	22.98	23.10	22.96	23.03		
15	16QAM	36	39	22.97	22.98	22.98	23.02	22.98		
15	16QAM	75	0	22.95	23.03	23.07	23.07	22.97		
15	64QAM	1	0	22.96	23.04	22.99	22.88	22.99	23.7	2
15	64QAM	1	37	22.80	22.82	23.03	22.96	22.82		
15	64QAM	1	74	22.93	22.98	22.99	22.97	22.91		
15	64QAM	36	0	22.02	21.95	22.17	22.16	22.00	22.7	3
15	64QAM	36	20	21.93	21.98	22.03	21.89	21.89		
15	64QAM	36	39	21.90	22.04	22.02	21.94	22.00		
15	64QAM	75	0	22.10	21.94	22.13	22.03	22.08		
15	256QAM	1	0	20.22	20.15	20.24	20.16	20.22	20.7	5
15	256QAM	1	37	20.05	20.13	20.10	20.09	20.10		
15	256QAM	1	74	20.23	20.09	20.19	20.11	20.04		
15	256QAM	36	0	20.06	19.96	20.09	19.96	20.04	20.7	5
15	256QAM	36	20	19.87	19.98	20.06	19.98	19.96		
15	256QAM	36	39	19.96	19.90	20.03	20.01	19.90		
15	256QAM	75	0	19.99	19.99	20.03	20.04	20.00		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.16	25.08	25.23	25.27	25.16	26	0
10	QPSK	1	25	25.08	25.05	25.12	25.02	25.00		
10	QPSK	1	49	25.08	25.07	25.19	25.19	25.13		
10	QPSK	25	0	24.11	24.00	24.15	24.13	24.14	24.7	1
10	QPSK	25	12	24.03	24.03	24.13	23.99	24.06		
10	QPSK	25	25	24.05	24.01	24.20	23.99	24.03		
10	QPSK	50	0	24.01	23.92	24.13	24.05	23.97		
10	16QAM	1	0	23.80	23.88	24.00	23.86	23.85	24.7	1
10	16QAM	1	25	23.82	23.82	23.97	23.81	23.93		
10	16QAM	1	49	23.82	23.81	23.94	23.77	23.81		
10	16QAM	25	0	23.05	23.06	23.16	23.08	23.00	23.7	2
10	16QAM	25	12	22.91	22.88	23.13	22.92	23.04		
10	16QAM	25	25	22.95	22.96	23.06	23.03	23.01		
10	16QAM	50	0	23.01	23.01	23.08	23.02	22.91		
10	64QAM	1	0	22.96	23.01	22.96	22.84	22.90	23.7	2
10	64QAM	1	25	22.83	22.85	23.03	22.95	22.92		
10	64QAM	1	49	22.98	22.97	23.04	22.93	22.97		
10	64QAM	25	0	22.03	21.94	22.15	22.15	21.98	22.7	3
10	64QAM	25	12	21.88	21.87	22.14	21.91	21.89		
10	64QAM	25	25	21.96	22.07	22.00	21.94	22.00		
10	64QAM	50	0	22.02	21.94	22.19	22.01	22.05		
10	256QAM	1	0	20.17	20.14	20.26	20.13	20.24	20.7	5
10	256QAM	1	25	20.02	20.16	20.21	20.06	20.07		
10	256QAM	1	49	20.21	20.07	20.22	20.18	20.05		
10	256QAM	25	0	19.99	19.96	20.07	19.97	19.97	20.7	5
10	256QAM	25	12	19.93	19.96	20.01	19.99	19.90		
10	256QAM	25	25	19.93	19.82	20.00	20.05	19.86		
10	256QAM	50	0	19.94	20.06	20.04	20.13	20.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.17	25.09	25.26	25.24	25.19	26	0
5	QPSK	1	12	25.06	25.11	25.14	24.98	25.03		
5	QPSK	1	24	25.11	25.05	25.15	25.13	25.08		
5	QPSK	12	0	24.03	24.01	24.20	24.11	24.15	24.7	1
5	QPSK	12	7	24.03	23.99	24.13	23.97	24.03		
5	QPSK	12	13	24.13	24.07	24.14	24.05	23.95		
5	QPSK	25	0	23.96	23.91	24.11	24.07	24.03		
5	16QAM	1	0	23.86	23.85	24.12	23.91	23.91	24.7	1
5	16QAM	1	12	23.81	23.88	24.05	23.85	23.85		
5	16QAM	1	24	23.81	23.87	23.88	23.83	23.80		
5	16QAM	12	0	23.10	23.07	23.10	23.16	22.98	23.7	2
5	16QAM	12	7	22.90	22.89	23.14	22.98	23.09		
5	16QAM	12	13	22.98	23.00	23.06	23.07	23.04		
5	16QAM	25	0	22.97	23.05	23.08	23.05	22.92		
5	64QAM	1	0	22.97	22.96	23.00	22.78	23.00	23.7	2
5	64QAM	1	12	22.87	22.86	23.05	23.02	22.84		
5	64QAM	1	24	22.95	22.99	23.05	22.95	22.92		
5	64QAM	12	0	22.07	22.01	22.10	22.16	22.01	22.7	3
5	64QAM	12	7	21.87	21.87	22.13	21.96	21.90		
5	64QAM	12	13	21.94	22.06	22.01	21.97	21.96		
5	64QAM	25	0	22.01	21.97	22.20	22.06	22.08		
5	256QAM	1	0	20.25	20.18	20.20	20.11	20.17	20.7	5
5	256QAM	1	12	20.02	20.14	20.21	20.02	20.03		
5	256QAM	1	24	20.22	20.04	20.27	20.21	20.07		
5	256QAM	12	0	19.97	20.05	20.04	20.06	20.02	20.7	5
5	256QAM	12	7	19.88	19.91	20.07	19.91	19.93		
5	256QAM	12	13	19.93	19.84	19.95	19.97	19.85		
5	256QAM	25	0	19.95	20.03	20.05	20.13	19.98		

GSM1900 Ant2 EC1

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.03	30.15	30.12	31.00	21.03	21.15	21.12	22.00
GPRS 1 Tx slot	30.06	30.16	30.14	31.00	21.06	21.16	21.14	22.00
GPRS 2 Tx slots	27.06	27.21	27.14	28.00	21.06	21.21	21.14	22.00
GPRS 3 Tx slots	25.35	25.46	25.37	26.00	21.09	21.20	21.11	21.74
GPRS 4 Tx slots	23.99	24.12	24.04	25.00	20.99	21.12	21.04	22.00
EDGE 1 Tx slot	26.42	26.50	26.38	27.00	17.42	17.50	17.38	18.00
EDGE 2 Tx slots	23.57	23.65	23.57	24.00	17.57	17.65	17.57	18.00
EDGE 3 Tx slots	21.46	21.51	21.36	22.00	17.20	17.25	17.10	17.74
EDGE 4 Tx slots	21.67	21.79	21.76	22.00	18.67	18.79	18.76	19.00

WCDMA II Ant2 EC1 / WCDMA IV Ant2 EC1

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	24.38	24.45	24.41	25.00	23.87	23.96	23.92	25.00
3GPP Rel 99	RMC 12.2Kbps	24.42	24.49	24.46	25.00	23.91	23.99	23.94	25.00
3GPP Rel 6	HSDPA Subtest-1	23.44	23.45	23.47	24.00	22.96	22.95	22.99	24.00
3GPP Rel 6	HSDPA Subtest-2	23.34	23.44	23.38	24.00	22.94	22.95	22.90	24.00
3GPP Rel 6	HSDPA Subtest-3	22.89	23.01	22.97	23.50	22.38	22.53	22.45	23.50
3GPP Rel 6	HSDPA Subtest-4	22.78	22.97	22.92	23.50	22.30	22.46	22.42	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.34	23.43	23.46	24.00	22.87	22.98	22.96	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.25	23.34	23.34	24.00	22.80	22.93	22.86	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.84	22.99	22.86	23.50	22.25	22.43	22.31	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.77	22.92	22.86	23.50	22.18	22.31	22.40	23.50
3GPP Rel 6	HSUPA Subtest-1	23.26	23.31	23.28	24.00	22.77	22.83	22.82	24.00
3GPP Rel 6	HSUPA Subtest-2	21.34	21.46	21.35	22.00	20.94	20.97	20.93	22.00
3GPP Rel 6	HSUPA Subtest-3	22.45	22.48	22.53	23.00	21.94	21.99	22.02	23.00
3GPP Rel 6	HSUPA Subtest-4	21.28	21.42	21.37	22.00	20.81	20.91	20.79	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.46	23.37	24.00	22.75	22.91	22.79	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.97	21.04	21.02	21.50	20.37	20.56	20.46	21.50

Band 4 Ant2 ECI4

BW [MHz]	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	24.84	24.88	24.77	25.7	0
20	QPSK	1	49	24.71	24.80	24.75		
20	QPSK	1	99	24.68	24.86	24.79		
20	QPSK	50	0	23.80	23.82	23.76	24.7	1
20	QPSK	50	24	23.62	23.78	23.69		
20	QPSK	50	50	23.65	23.75	23.67		
20	QPSK	100	0	23.71	23.79	23.60		
20	16QAM	1	0	23.46	23.68	23.51	24.7	1
20	16QAM	1	49	23.51	23.56	23.51		
20	16QAM	1	99	23.51	23.60	23.41		
20	16QAM	50	0	22.63	22.79	22.70	23.7	2
20	16QAM	50	24	22.64	22.71	22.54		
20	16QAM	50	50	22.64	22.73	22.66		
20	16QAM	100	0	22.69	22.72	22.70		
20	64QAM	1	0	22.54	22.70	22.47	23.7	2
20	64QAM	1	49	22.48	22.65	22.62		
20	64QAM	1	99	22.59	22.68	22.55		
20	64QAM	50	0	21.65	21.79	21.77	22.7	3
20	64QAM	50	24	21.53	21.70	21.60		
20	64QAM	50	50	21.69	21.70	21.60		
20	64QAM	100	0	21.62	21.73	21.66		
20	256QAM	1	0	19.86	19.89	19.78	20.7	5
20	256QAM	1	49	19.72	19.75	19.79		
20	256QAM	1	99	19.74	19.93	19.82		
20	256QAM	50	0	19.73	19.82	19.60	20.7	5
20	256QAM	50	24	19.62	19.76	19.68		
20	256QAM	50	50	19.62	19.73	19.65		
20	256QAM	100	0	19.68	19.71	19.67		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	24.80	24.83	24.66	25.7	0
15	QPSK	1	37	24.61	24.72	24.69		
15	QPSK	1	74	24.60	24.81	24.66		
15	QPSK	36	0	23.72	23.68	23.64	24.7	1
15	QPSK	36	20	23.49	23.69	23.61		
15	QPSK	36	39	23.58	23.71	23.55		
15	QPSK	75	0	23.64	23.68	23.50		
15	16QAM	1	0	23.40	23.63	23.40	24.7	1
15	16QAM	1	37	23.40	23.42	23.37		
15	16QAM	1	74	23.43	23.52	23.36		
15	16QAM	36	0	22.59	22.65	22.60	23.7	2
15	16QAM	36	20	22.59	22.66	22.43		
15	16QAM	36	39	22.58	22.62	22.63		
15	16QAM	75	0	22.59	22.62	22.66		
15	64QAM	1	0	22.48	22.61	22.43	23.7	2
15	64QAM	1	37	22.38	22.61	22.52		
15	64QAM	1	74	22.51	22.59	22.42		
15	64QAM	36	0	21.54	21.73	21.70	22.7	3
15	64QAM	36	20	21.47	21.57	21.46		
15	64QAM	36	39	21.66	21.62	21.45		
15	64QAM	75	0	21.51	21.68	21.58		
15	256QAM	1	0	19.80	19.85	19.63	20.7	5
15	256QAM	1	37	19.63	19.61	19.71		
15	256QAM	1	74	19.67	19.87	19.69		
15	256QAM	36	0	19.66	19.73	19.45	20.7	5
15	256QAM	36	20	19.48	19.68	19.60		
15	256QAM	36	39	19.50	19.61	19.55		
15	256QAM	75	0	19.64	19.61	19.53		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	24.78	24.80	24.73	25.7	0
10	QPSK	1	25	24.58	24.68	24.69		
10	QPSK	1	49	24.64	24.78	24.75		
10	QPSK	25	0	23.70	23.78	23.71	24.7	1
10	QPSK	25	12	23.55	23.71	23.65		
10	QPSK	25	25	23.52	23.67	23.58		
10	QPSK	50	0	23.66	23.73	23.49		
10	16QAM	1	0	23.38	23.63	23.48	24.7	1
10	16QAM	1	25	23.44	23.46	23.37		
10	16QAM	1	49	23.39	23.54	23.36		
10	16QAM	25	0	22.58	22.76	22.64	23.7	2
10	16QAM	25	12	22.55	22.65	22.42		
10	16QAM	25	25	22.56	22.60	22.55		
10	16QAM	50	0	22.66	22.68	22.65		
10	64QAM	1	0	22.44	22.65	22.33	23.7	2
10	64QAM	1	25	22.41	22.54	22.55		
10	64QAM	1	49	22.46	22.62	22.40		
10	64QAM	25	0	21.56	21.72	21.72	22.7	3
10	64QAM	25	12	21.50	21.63	21.50		
10	64QAM	25	25	21.59	21.58	21.50		
10	64QAM	50	0	21.51	21.61	21.56		
10	256QAM	1	0	19.78	19.83	19.66	20.7	5
10	256QAM	1	25	19.58	19.67	19.67		
10	256QAM	1	49	19.65	19.81	19.78		
10	256QAM	25	0	19.68	19.70	19.49	20.7	5
10	256QAM	25	12	19.55	19.67	19.56		
10	256QAM	25	25	19.59	19.66	19.58		
10	256QAM	50	0	19.62	19.57	19.62		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	24.74	24.85	24.73	25.7	0
5	QPSK	1	12	24.66	24.74	24.70		
5	QPSK	1	24	24.59	24.77	24.68		
5	QPSK	12	0	23.71	23.71	23.67	24.7	1
5	QPSK	12	7	23.54	23.68	23.59		
5	QPSK	12	13	23.61	23.60	23.54		
5	QPSK	25	0	23.62	23.73	23.49		
5	16QAM	1	0	23.36	23.55	23.45	24.7	1
5	16QAM	1	12	23.40	23.46	23.37		
5	16QAM	1	24	23.43	23.56	23.26		
5	16QAM	12	0	22.51	22.67	22.64	23.7	2
5	16QAM	12	7	22.59	22.64	22.49		
5	16QAM	12	13	22.58	22.65	22.56		
5	16QAM	25	0	22.63	22.57	22.64		
5	64QAM	1	0	22.44	22.66	22.32	23.7	2
5	64QAM	1	12	22.42	22.58	22.56		
5	64QAM	1	24	22.46	22.62	22.48		
5	64QAM	12	0	21.59	21.67	21.65	22.7	3
5	64QAM	12	7	21.43	21.64	21.52		
5	64QAM	12	13	21.54	21.59	21.53		
5	64QAM	25	0	21.50	21.60	21.62		
5	256QAM	1	0	19.79	19.81	19.74	20.7	5
5	256QAM	1	12	19.59	19.64	19.75		
5	256QAM	1	24	19.61	19.87	19.70		
5	256QAM	12	0	19.61	19.73	19.57	20.7	5
5	256QAM	12	7	19.48	19.70	19.61		
5	256QAM	12	13	19.58	19.67	19.59		
5	256QAM	25	0	19.62	19.66	19.63		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	24.78	24.80	24.70	25.7	0
3	QPSK	1	8	24.60	24.70	24.63		
3	QPSK	1	14	24.64	24.82	24.67		
3	QPSK	8	0	23.65	23.73	23.70	24.7	1
3	QPSK	8	4	23.50	23.69	23.61		
3	QPSK	8	7	23.61	23.62	23.62		
3	QPSK	15	0	23.67	23.65	23.54		
3	16QAM	1	0	23.42	23.59	23.37	24.7	1
3	16QAM	1	8	23.45	23.48	23.40		
3	16QAM	1	14	23.41	23.45	23.28		
3	16QAM	8	0	22.58	22.69	22.56	23.7	2
3	16QAM	8	4	22.60	22.60	22.48		
3	16QAM	8	7	22.55	22.64	22.58		
3	16QAM	15	0	22.64	22.68	22.63		
3	64QAM	1	0	22.47	22.56	22.33	23.7	2
3	64QAM	1	8	22.43	22.56	22.59		
3	64QAM	1	14	22.56	22.58	22.40		
3	64QAM	8	0	21.52	21.67	21.71	22.7	3
3	64QAM	8	4	21.40	21.60	21.50		
3	64QAM	8	7	21.57	21.60	21.57		
3	64QAM	15	0	21.53	21.59	21.60		
3	256QAM	1	0	19.80	19.86	19.71	20.7	5
3	256QAM	1	8	19.58	19.67	19.68		
3	256QAM	1	14	19.69	19.87	19.67		
3	256QAM	8	0	19.58	19.74	19.45	20.7	5
3	256QAM	8	4	19.51	19.69	19.54		
3	256QAM	8	7	19.48	19.61	19.54		
3	256QAM	15	0	19.61	19.61	19.59		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	24.81	24.84	24.62	25.7	0
1.4	QPSK	1	3	24.62	24.73	24.61		
1.4	QPSK	1	5	24.58	24.82	24.75		
1.4	QPSK	3	0	24.76	24.77	24.74		
1.4	QPSK	3	1	24.68	24.69	24.62		
1.4	QPSK	3	3	24.63	24.81	24.74		
1.4	QPSK	6	0	23.72	23.75	23.66	24.7	1
1.4	16QAM	1	0	23.48	23.70	23.56	24.7	1
1.4	16QAM	1	3	23.60	23.70	23.53		
1.4	16QAM	1	5	23.64	23.73	23.47		
1.4	16QAM	3	0	23.42	23.56	23.41		
1.4	16QAM	3	1	23.39	23.49	23.41		
1.4	16QAM	3	3	23.45	23.48	23.30		
1.4	16QAM	6	0	22.57	22.69	22.58	23.7	2
1.4	64QAM	1	0	22.56	22.60	22.49	23.7	2
1.4	64QAM	1	3	22.51	22.69	22.58		
1.4	64QAM	1	5	22.65	22.68	22.60		
1.4	64QAM	3	0	22.51	22.58	22.41		
1.4	64QAM	3	1	22.43	22.60	22.58		
1.4	64QAM	3	3	22.47	22.61	22.46		
1.4	64QAM	6	0	21.61	21.73	21.69	22.7	3
1.4	256QAM	1	0	19.71	19.84	19.67	20.7	5
1.4	256QAM	1	3	19.65	19.66	19.75		
1.4	256QAM	1	5	19.61	19.81	19.76		
1.4	256QAM	3	0	19.66	19.77	19.51		
1.4	256QAM	3	1	19.49	19.67	19.54		
1.4	256QAM	3	3	19.54	19.63	19.50		
1.4	256QAM	6	0	19.57	19.64	19.59	20.7	5

Band 7 Ant2 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20850	21100	21350		
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	0	23.94	23.98	23.85	25.5	0
20	QPSK	1	49	23.82	23.96	23.83		
20	QPSK	1	99	23.76	23.91	23.90		
20	QPSK	50	0	22.85	22.93	22.90	24.5	1
20	QPSK	50	24	22.78	22.87	22.85		
20	QPSK	50	50	22.74	22.83	22.77		
20	QPSK	100	0	22.88	22.90	22.81		
20	16QAM	1	0	22.61	22.76	22.68	24.5	1
20	16QAM	1	49	22.67	22.62	22.59		
20	16QAM	1	99	22.57	22.72	22.58		
20	16QAM	50	0	21.69	21.93	21.82	23.5	2
20	16QAM	50	24	21.80	21.84	21.65		
20	16QAM	50	50	21.78	21.81	21.83		
20	16QAM	100	0	21.79	21.78	21.76		
20	64QAM	1	0	21.59	21.83	21.58	23.5	2
20	64QAM	1	49	21.55	21.71	21.77		
20	64QAM	1	99	21.75	21.79	21.63		
20	64QAM	50	0	20.75	20.92	20.83	22.5	3
20	64QAM	50	24	20.61	20.80	20.69		
20	64QAM	50	50	20.85	20.83	20.75		
20	64QAM	100	0	20.78	20.85	20.76		
20	256QAM	1	0	18.94	19.04	18.95	20.5	5
20	256QAM	1	49	18.76	18.88	18.92		
20	256QAM	1	99	18.80	19.02	18.90		
20	256QAM	50	0	18.79	18.97	18.73	20.5	5
20	256QAM	50	24	18.79	18.81	18.73		
20	256QAM	50	50	18.71	18.82	18.73		
20	256QAM	100	0	18.73	18.78	18.73		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	23.83	23.92	23.75	25.5	0
15	QPSK	1	37	23.69	23.91	23.75		
15	QPSK	1	74	23.64	23.83	23.86		
15	QPSK	36	0	22.70	22.84	22.82	24.5	1
15	QPSK	36	20	22.68	22.80	22.74		
15	QPSK	36	39	22.71	22.70	22.66		
15	QPSK	75	0	22.78	22.78	22.75		
15	16QAM	1	0	22.53	22.70	22.64	24.5	1
15	16QAM	1	37	22.58	22.62	22.60		
15	16QAM	1	74	22.52	22.64	22.54		
15	16QAM	36	0	21.66	21.79	21.75	23.5	2
15	16QAM	36	20	21.68	21.76	21.56		
15	16QAM	36	39	21.73	21.72	21.76		
15	16QAM	75	0	21.67	21.68	21.72		
15	64QAM	1	0	21.70	21.79	21.74	23.5	2
15	64QAM	1	37	21.55	21.65	21.58		
15	64QAM	1	74	21.60	21.68	21.54		
15	64QAM	36	0	20.70	20.82	20.74	22.5	3
15	64QAM	36	20	20.53	20.67	20.57		
15	64QAM	36	39	20.76	20.76	20.61		
15	64QAM	75	0	20.72	20.81	20.72		
15	256QAM	1	0	18.87	18.99	18.91	20.5	5
15	256QAM	1	37	18.72	18.75	18.79		
15	256QAM	1	74	18.77	18.90	18.84		
15	256QAM	36	0	18.69	18.86	18.60	20.5	5
15	256QAM	36	20	18.69	18.67	18.70		
15	256QAM	36	39	18.62	18.71	18.69		
15	256QAM	75	0	18.64	18.75	18.60		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	23.83	23.94	23.72	25.5	0
10	QPSK	1	25	23.68	23.89	23.74		
10	QPSK	1	49	23.64	23.86	23.81		
10	QPSK	25	0	22.74	22.83	22.78	24.5	1
10	QPSK	25	12	22.65	22.75	22.74		
10	QPSK	25	25	22.66	22.77	22.72		
10	QPSK	50	0	22.76	22.87	22.66		
10	16QAM	1	0	22.52	22.68	22.56	24.5	1
10	16QAM	1	25	22.61	22.55	22.51		
10	16QAM	1	49	22.52	22.59	22.54		
10	16QAM	25	0	21.58	21.83	21.68	23.5	2
10	16QAM	25	12	21.72	21.74	21.52		
10	16QAM	25	25	21.68	21.67	21.76		
10	16QAM	50	0	21.75	21.72	21.73		
10	64QAM	1	0	21.67	21.71	21.62	23.5	2
10	64QAM	1	25	21.55	21.63	21.64		
10	64QAM	1	49	21.61	21.65	21.51		
10	64QAM	25	0	20.68	20.80	20.71	22.5	3
10	64QAM	25	12	20.53	20.73	20.64		
10	64QAM	25	25	20.81	20.79	20.61		
10	64QAM	50	0	20.73	20.77	20.63		
10	256QAM	1	0	18.90	18.93	18.86	20.5	5
10	256QAM	1	25	18.74	18.80	18.86		
10	256QAM	1	49	18.68	18.89	18.85		
10	256QAM	25	0	18.67	18.87	18.64	20.5	5
10	256QAM	25	12	18.65	18.75	18.62		
10	256QAM	25	25	18.56	18.67	18.59		
10	256QAM	50	0	18.65	18.74	18.67		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	23.84	23.92	23.79	25.5	0
5	QPSK	1	12	23.73	23.92	23.75		
5	QPSK	1	24	23.68	23.86	23.78		
5	QPSK	12	0	22.81	22.86	22.82	24.5	1
5	QPSK	12	7	22.72	22.76	22.80		
5	QPSK	12	13	22.65	22.70	22.74		
5	QPSK	25	0	22.82	22.84	22.77		
5	16QAM	1	0	22.59	22.71	22.61	24.5	1
5	16QAM	1	12	22.57	22.55	22.54		
5	16QAM	1	24	22.51	22.61	22.52		
5	16QAM	12	0	21.57	21.81	21.68	23.5	2
5	16QAM	12	7	21.71	21.72	21.51		
5	16QAM	12	13	21.73	21.75	21.80		
5	16QAM	25	0	21.74	21.73	21.68		
5	64QAM	1	0	21.51	21.69	21.52	23.5	2
5	64QAM	1	12	21.61	21.68	21.64		
5	64QAM	1	24	21.69	21.73	21.57		
5	64QAM	12	0	20.64	20.85	20.79	22.5	3
5	64QAM	12	7	20.70	20.76	20.65		
5	64QAM	12	13	20.72	20.78	20.68		
5	64QAM	25	0	20.75	20.70	20.66		
5	256QAM	1	0	18.86	18.99	18.87	20.5	5
5	256QAM	1	12	18.71	18.76	18.79		
5	256QAM	1	24	18.75	18.91	18.82		
5	256QAM	12	0	18.69	18.91	18.65	20.5	5
5	256QAM	12	7	18.76	18.68	18.60		
5	256QAM	12	13	18.64	18.74	18.58		
5	256QAM	25	0	18.62	18.65	18.66		

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BW [MHz]	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	24.89	24.95	24.87	25.7	0
20	QPSK	1	49	24.73	24.82	24.72		
20	QPSK	1	99	24.76	24.93	24.80		
20	QPSK	50	0	23.73	23.89	23.75	24.7	1
20	QPSK	50	24	23.66	23.77	23.62		
20	QPSK	50	50	23.71	23.84	23.72		
20	QPSK	100	0	23.73	23.92	23.78		
20	16QAM	1	0	23.57	23.71	23.55	24.7	1
20	16QAM	1	49	23.60	23.60	23.60		
20	16QAM	1	99	23.55	23.66	23.50		
20	16QAM	50	0	22.71	22.81	22.80	23.7	2
20	16QAM	50	24	22.68	22.76	22.68		
20	16QAM	50	50	22.73	22.77	22.69		
20	16QAM	100	0	22.70	22.77	22.77		
20	64QAM	1	0	22.58	22.67	22.57	23.7	2
20	64QAM	1	49	22.55	22.68	22.64		
20	64QAM	1	99	22.62	22.66	22.59		
20	64QAM	50	0	21.72	21.75	21.74	22.7	3
20	64QAM	50	24	21.68	21.77	21.61		
20	64QAM	50	50	21.70	21.85	21.60		
20	64QAM	100	0	21.68	21.83	21.68		
20	256QAM	1	0	19.94	19.95	19.82	20.7	5
20	256QAM	1	49	19.78	19.89	19.79		
20	256QAM	1	99	19.80	19.94	19.82		
20	256QAM	50	0	19.67	19.82	19.64	20.7	5
20	256QAM	50	24	19.65	19.70	19.74		
20	256QAM	50	50	19.61	19.76	19.64		
20	256QAM	100	0	19.63	19.77	19.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	24.74	24.88	24.81	25.7	0
15	QPSK	1	37	24.59	24.76	24.61		
15	QPSK	1	74	24.62	24.86	24.67		
15	QPSK	36	0	23.58	23.85	23.66	24.7	1
15	QPSK	36	20	23.55	23.63	23.52		
15	QPSK	36	39	23.64	23.72	23.57		
15	QPSK	75	0	23.63	23.74	23.65		
15	16QAM	1	0	23.47	23.61	23.43	24.7	1
15	16QAM	1	37	23.47	23.55	23.50		
15	16QAM	1	74	23.44	23.62	23.41		
15	16QAM	36	0	22.64	22.72	22.76	23.7	2
15	16QAM	36	20	22.54	22.69	22.60		
15	16QAM	36	39	22.65	22.72	22.65		
15	16QAM	75	0	22.63	22.74	22.66		
15	64QAM	1	0	22.45	22.63	22.46	23.7	2
15	64QAM	1	37	22.41	22.62	22.54		
15	64QAM	1	74	22.54	22.53	22.52		
15	64QAM	36	0	21.58	21.61	21.70	22.7	3
15	64QAM	36	20	21.64	21.74	21.53		
15	64QAM	36	39	21.59	21.75	21.46		
15	64QAM	75	0	21.61	21.79	21.64		
15	256QAM	1	0	19.85	19.90	19.70	20.7	5
15	256QAM	1	37	19.74	19.76	19.72		
15	256QAM	1	74	19.74	19.80	19.72		
15	256QAM	36	0	19.57	19.71	19.51	20.7	5
15	256QAM	36	20	19.52	19.56	19.63		
15	256QAM	36	39	19.52	19.63	19.57		
15	256QAM	75	0	19.53	19.71	19.68		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	24.81	24.86	24.75	25.7	0
10	QPSK	1	25	24.62	24.72	24.63		
10	QPSK	1	49	24.62	24.82	24.73		
10	QPSK	25	0	23.69	23.79	23.60	24.7	1
10	QPSK	25	12	23.55	23.64	23.54		
10	QPSK	25	25	23.54	23.76	23.65		
10	QPSK	50	0	23.63	23.74	23.72		
10	16QAM	1	0	23.44	23.61	23.44	24.7	1
10	16QAM	1	25	23.56	23.46	23.47		
10	16QAM	1	49	23.44	23.56	23.41		
10	16QAM	25	0	22.56	22.70

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.38	24.45	24.40	25.7	0
20	QPSK	1	49	24.24	24.37	24.29		
20	QPSK	1	99	24.31	24.41	24.38		
20	QPSK	50	0	23.37	23.39	23.33	24.7	1
20	QPSK	50	24	23.21	23.26	23.20		
20	QPSK	50	50	23.26	23.35	23.20		
20	QPSK	100	0	23.22	23.32	23.28		
20	16QAM	1	0	23.04	23.19	23.02	24.7	1
20	16QAM	1	49	23.12	23.16	23.11		
20	16QAM	1	99	23.01	23.11	23.00		
20	16QAM	50	0	22.23	22.35	22.23	23.7	2
20	16QAM	50	24	22.12	22.32	22.16		
20	16QAM	50	50	22.13	22.24	22.26		
20	16QAM	100	0	22.17	22.29	22.24		
20	64QAM	1	0	22.15	22.18	22.09	23.7	2
20	64QAM	1	49	21.99	22.17	22.06		
20	64QAM	1	99	22.15	22.23	22.07		
20	64QAM	50	0	21.23	21.35	21.25	22.7	3
20	64QAM	50	24	21.12	21.30	21.09		
20	64QAM	50	50	21.22	21.34	21.21		
20	64QAM	100	0	21.25	21.36	21.23		
20	256QAM	1	0	19.39	19.51	19.38	20.7	5
20	256QAM	1	49	19.26	19.33	19.34		
20	256QAM	1	99	19.28	19.47	19.30		
20	256QAM	50	0	19.22	19.26	19.24	20.7	5
20	256QAM	50	24	19.19	19.26	19.21		
20	256QAM	50	50	19.13	19.25	19.14		
20	256QAM	100	0	19.21	19.25	19.23		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.24	24.38	24.37	25.7	0
15	QPSK	1	37	24.10	24.31	24.26		
15	QPSK	1	74	24.24	24.36	24.30		
15	QPSK	36	0	23.34	23.29	23.22	24.7	1
15	QPSK	36	20	23.10	23.21	23.11		
15	QPSK	36	39	23.22	23.25	23.11		
15	QPSK	75	0	23.11	23.20	23.17		
15	16QAM	1	0	22.96	23.13	22.87	24.7	1
15	16QAM	1	37	23.00	23.06	22.99		
15	16QAM	1	74	22.93	23.07	22.92		
15	16QAM	36	0	22.18	22.24	22.10	23.7	2
15	16QAM	36	20	22.03	22.29	22.08		
15	16QAM	36	39	22.03	22.18	22.20		
15	16QAM	75	0	22.04	22.17	22.14		
15	64QAM	1	0	22.11	22.10	21.94	23.7	2
15	64QAM	1	37	21.93	22.14	21.97		
15	64QAM	1	74	22.06	22.09	22.01		
15	64QAM	36	0	21.10	21.32	21.13	22.7	3
15	64QAM	36	20	20.98	21.27	21.02		
15	64QAM	36	39	21.13	21.30	21.17		
15	64QAM	75	0	21.14	21.28	21.15		
15	256QAM	1	0	19.29	19.48	19.28	20.7	5
15	256QAM	1	37	19.22	19.22	19.23		
15	256QAM	1	74	19.15	19.42	19.15		
15	256QAM	36	0	19.10	19.20	19.14	20.7	5
15	256QAM	36	20	19.10	19.17	19.07		
15	256QAM	36	39	19.02	19.13	19.04		
15	256QAM	75	0	19.11	19.17	19.12		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.29	24.37	24.32	25.7	0
10	QPSK	1	25	24.09	24.24	24.18		
10	QPSK	1	49	24.22	24.37	24.31		
10	QPSK	25	0	23.28	23.34	23.24	24.7	1
10	QPSK	25	12	23.12	23.19	23.11		
10	QPSK	25	25	23.23	23.24	23.11		
10	QPSK	50	0	23.18	23.17	23.23		
10	16QAM	1	0	23.01	23.14	22.90	24.7	1
10	16QAM	1	25	23.05	23.11	22.98		
10	16QAM	1	49	22.90	23.02	22.88		
10	16QAM	25	0	22.11	22.26	22.17	23.7	2
10	16QAM	25	12	22.04	22.18	22.11		
10	16QAM	25	25	22.00	22.09	22.11		
10	16QAM	50	0	22.08	22.21	22.11		
10	64QAM	1	0	22.07	22.06	21.96	23.7	2
10	64QAM	1	25	21.89	22.10	21.95		
10	64QAM	1	49	22.03	22.18	21.96		
10	64QAM	25	0	21.19	21.27	21.18	22.7	3
10	64QAM	25	12	20.99	21.16	21.01		
10	64QAM	25	25	21.07	21.22	21.12		
10	64QAM	50	0	21.13	21.31	21.19		
10	256QAM	1	0	19.34	19.38	19.32	20.7	5
10	256QAM	1	25	19.23	19.28	19.30		
10	256QAM	1	49	19.14	19.39	19.24		
10	256QAM	25	0	19.13	19.19	19.16	20.7	5
10	256QAM	25	12	19.16	19.15	19.12		
10	256QAM	25	25	18.99	19.21	19.02		
10	256QAM	50	0	19.13	19.11	19.12		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.24	24.34	24.33	25.7	0
5	QPSK	1	12	24.14	24.27	24.20		
5	QPSK	1	24	24.17	24.38	24.28		
5	QPSK	12	0	23.29	23.33	23.26	24.7	1
5	QPSK	12	7	23.14	23.15	23.12		
5	QPSK	12	13	23.22	23.28	23.07		
5	QPSK	25	0	23.19	23.25	23.18		
5	16QAM	1	0	22.97	23.14	22.97	24.7	1
5	16QAM	1	12	23.07	23.12	22.99		
5	16QAM	1	24	22.93	23.06	22.93		
5	16QAM	12	0	22.11	22.31	22.15	23.7	2
5	16QAM	12	7	22.01	22.23	22.13		
5	16QAM	12	13	22.00	22.18	22.17		
5	16QAM	25	0	22.08	22.16	22.18		
5	64QAM	1	0	22.11	22.05	22.05	23.7	2
5	64QAM	1	12	21.92	22.08	21.94		
5	64QAM	1	24	22.02	22.18	21.93		
5	64QAM	12	0	21.16	21.24	21.20	22.7	3
5	64QAM	12	7	21.00	21.22	21.02		
5	64QAM	12	13	21.14	21.30	21.18		
5	64QAM	25	0	21.20	21.24	21.19		
5	256QAM	1	0	19.34	19.36	19.30	20.7	5
5	256QAM	1	12	19.17	19.27	19.31		
5	256QAM	1	24	19.13	19.35	19.21		
5	256QAM	12	0	19.16	19.13	19.14	20.7	5
5	256QAM	12	7	19.05	19.14	19.17		
5	256QAM	12	13	19.03	19.14	19.09		
5	256QAM	25	0	19.15	19.18	19.11		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2608	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.48	24.59	24.67	24.62	24.53	25.7	0
20	QPSK	1	49	24.41	24.40	24.60	24.52	24.49		
20	QPSK	1	99	24.39	24.58	24.58	24.57	24.55		
20	QPSK	50	0	23.46	23.59	23.62	23.56	23.54	24.7	1
20	QPSK	50	24	23.40	23.51	23.59	23.53	23.54		
20	QPSK	50	50	23.41	23.44	23.53	23.49	23.48		
20	QPSK	100	0	23.37	23.48	23.55	23.50	23.46		
20	16QAM	1	0	23.21	23.20	23.39	23.18	23.32	24.7	1
20	16QAM	1	49	23.26	23.37	23.39	23.36	23.30		
20	16QAM	1	99	23.19	23.23	23.30	23.19	23.23		
20	16QAM	50	0	22.42	22.50	22.60	22.57	22.51	23.7	2
20	16QAM	50	24	22.45	22.43	22.58	22.46	22.52		
20	16QAM	50	50	22.39	22.48	22.56	22.60	22.50		
20	16QAM	100	0	22.42	22.46	22.56	22.55	22.47		
20	64QAM	1	0	22.35	22.48	22.44	22.39	22.38	23.7	2
20	64QAM	1	49	22.31	22.30	22.46	22.33	22.40		
20	64QAM	1	99	22.40	22.45	22.59	22.35	22.55		
20	64QAM	50	0	21.47	21.55	21.70	21.60	21.57	22.7	3
20	64QAM	50	24	21.37	21.41	21.56	21.37	21.42		
20	64QAM	50	50	21.41	21.47	21.64	21.48	21.49		
20	64QAM	100	0	21.36	21.56	21.71	21.51	21.68		
20	256QAM	1	0	19.58	19.69	19.77	19.69	19.69	20.7	5
20	256QAM	1	49	19.57	19.58	19.68	19.67	19.58		
20	256QAM	1	99	19.58	19.64	19.75	19.64	19.70		
20	256QAM	50	0	19.40	19.56	19.57	19.57	19.43	20.7	5
20	256QAM	50	24	19.50	19.55	19.60	19.50	19.57		
20	256QAM	50	50	19.36	19.38	19.54	19.43	19.40		
20	256QAM	100	0	19.40	19.46	19.51	19.41	19.52		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2603.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.37	24.46	24.64	24.49	24.38	26	0
15	QPSK	1	37	24.38	24.34	24.52	24.47	24.42		
15	QPSK	1	74	24.27	24.47	24.53	24.51	24.50		
15	QPSK	36	0	23.36	23.45	23.58	23.44	23.47	24.7	1
15	QPSK	36	20	23.27	23.41	23.50	23.49	23.48		
15	QPSK	36	39	23.32	23.30	23.46	23.46	23.36		
15	QPSK	75	0	23.27	23.42	23.48	23.45	23.40		
15	16QAM	1	0	23.16	23.17	23.30	23.08	23.25	24.7	1
15	16QAM	1	37	23.14	23.31	23.35	23.30	23.21		
15	16QAM	1	74	23.06	23.14	23.24	23.15	23.10		
15	16QAM	36	0	22.37	22.39	22.48	22.44	22.38	23.7	2
15	16QAM	36	20	22.32	22.36	22.43	22.39	22.40		
15	16QAM	36	39	22.26	22.35	22.49	22.50	22.38		
15	16QAM	75	0	22.30	22.39	22.53	22.49	22.42		
15	64QAM	1	0	22.22	22.42	22.41	22.28	22.25	23.7	2
15	64QAM	1	37	22.22	22.24	22.41	22.30	22.27		
15	64QAM	1	74	22.28	22.39	22.52	22.21	22.44		
15	64QAM	36	0	21.43	21.50	21.58	21.57	21.53	22.7	3
15	64QAM	36	20	21.25	21.37	21.50	21.24	21.36		
15	64QAM	36	39	21.32	21.37	21.50	21.37	21.36		
15	64QAM	75	0	21.24	21.42	21.65	21.43	21.54		
15	256QAM	1	0	19.48	19.56	19.67	19.65	19.54	20.7	5
15	256QAM	1	37	19.46	19.46	19.60	19.63	19.54		
15	256QAM	1	74	19.45	19.52	19.68	19.54	19.66		
15	256QAM	36	0	19.32	19.48	19.47	19.48	19.38	20.7	5
15	256QAM	36	20	19.42	19.50	19.51	19.36	19.49		
15	256QAM	36	39	19.29	19.28	19.49	19.39	19.31		
15	256QAM	75	0	19.31	19.46	19.47	19.42	19.45		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2601	2547	2593	2639	2685		
10	QPSK	1	0	24.36	24.55	24.57	24.50	24.44	26	0
10	QPSK	1	25	24.33	24.25	24.45	24.48	24.39		
10	QPSK	1	49	24.26	24.54	24.52	24.48	24.44		
10	QPSK	25	0	23.39	23.53	23.52	23.50	23.41	24.7	1
10	QPSK	25	12	23.35	23.39	23.52	23.40	23.45		
10	QPSK	25	25	23.35	23.29	23.48	23.38	23.38		
10	QPSK	50	0	23.26	23.41	23.43	23.44	23.36		
10	16QAM	1	0	23.12	23.10	23.36	23.04	23.27	24.7	1
10	16QAM	1	25	23.14	23.28	23.33	23.33	23.23		
10	16QAM	1	49	23.05	23.18	23.17	23.07	23.18		
10	16QAM	25	0	22.31	22.42	22.45	22.53	22.38	23.7	2
10	16QAM	25	12	22.35	22.33	22.52	22.41	22.40		
10	16QAM	25	25	22.32	22.36	22.46	22.54	22.45		
10	16QAM	50	0	22.34	22.33	22.52	22.45	22.36		
10	64QAM	1	0	22.22	22.42	22.37	22.26	22.34	23.7	2
10	64QAM	1	25	22.23	22.18	22.36	22.18	22.31		
10	64QAM	1	49	22.33	22.40	22.52	22.21	22.48		
10	64QAM	25	0	21.43	21.50	21.58	21.55	21.43	22.7	3
10	64QAM	25	12	21.30	21.28	21.47	21.29	21.33		
10	64QAM	25	25	21.45	21.37	21.59	21.44	21.36		
10	64QAM	50	0	21.24	21.52	21.66	21.38	21.59		
10	256QAM	1	0	19.50	19.61	19.65	19.56	19.56	20.7	5
10	256QAM	1	25	19.45	19.51	19.57	19.52	19.44		
10	256QAM	1	49	19.44	19.50	19.62	19.52	19.61		
10	256QAM	25	0	19.27	19.45	19.43	19.44	19.33	20.7	5
10	256QAM	25	12	19.38	19.48	19.50	19.35	19.43		
10	256QAM	25	25	19.29	19.28	19.46	19.39	19.27		
10	256QAM	50	0	19.34	19.40	19.51	19.50	19.44		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.35	24.55	24.58	24.50	24.49	26	0
5	QPSK	1	12	24.26	24.35	24.49	24.40	24.39		
5	QPSK	1	24	24.31	24.49	24.52	24.48	24.42		
5	QPSK	12	0	23.36	23.50	23.58	23.43	23.43	24.7	1
5	QPSK	12	7	23.28	23.39	23.45	23.43	23.42		
5	QPSK	12	13	23.35	23.40	23.40	23.38	23.34		
5	QPSK	25	0	23.30	23.38	23.51	23.39	23.39		
5	16QAM	1	0	23.13	23.06	23.29	23.11	23.26	24.7	1
5	16QAM	1	12	23.16	23.31	23.29	23.28	23.16		
5	16QAM	1	24	23.09	23.13	23.20	23.08	23.17		
5	16QAM	12	0	22.30	22.42	22.56	22.45	22.42	23.7	2
5	16QAM	12	7	22.31	22.40	22.47	22.40	22.46		
5	16QAM	12	13	22.26	22.41	22.52	22.57	22.38		
5	16QAM	25	0	22.36	22.34	22.45	22.48	22.43		
5	64QAM	1	0	22.32	22.35	22.36	22.34	22.29	23.7	2
5	64QAM	1	12	22.30	22.24	22.31	22.20	22.31		
5	64QAM	1	24	22.28	22.41	22.48	22.31	22.43		
5	64QAM	12	0	21.42	21.49	21.64	21.57	21.45	22.7	3
5	64QAM	12	7	21.26	21.30	21.45	21.32	21.36		
5	64QAM	12	13	21.34	21.33	21.49	21.41	21.44		
5	64QAM	25	0	21.27	21.51	21.58	21.41	21.57		
5	256QAM	1	0	19.47	19.59	19.72	19.65	19.58	20.7	5
5	256QAM	1	12	19.49	19.43	19.60	19.55	19.45		
5	256QAM	1	24	19.52	19.50	19.62	19.54	19.57		
5	256QAM	12	0	19.36	19.43	19.51	19.50	19.30	20.7	5
5	256QAM	12	7	19.38	19.48	19.52	19.45	19.43		
5	256QAM	12	13	19.21	19.26	19.49	19.35	19.29		
5	256QAM	25	0	19.26	19.46	19.47	19.44	19.44		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.86	24.99	24.95	25.7	0
20	QPSK	1	49	24.83	24.86	24.76		
20	QPSK	1	99	24.83	24.91	24.92		
20	QPSK	50	0	23.88	23.91	23.82	24.7	1
20	QPSK	50	24	23.74	23.84	23.76		
20	QPSK	50	50	23.79	23.81	23.78		
20	QPSK	100	0	23.83	23.87	23.80		
20	16QAM	1	0	23.63	23.78	23.64	24.7	1
20	16QAM	1	49	23.58	23.76	23.64		
20	16QAM	1	99	23.60	23.62	23.57		
20	16QAM	50	0	22.77	22.93	22.89	23.7	2
20	16QAM	50	24	22.70	22.86	22.74		
20	16QAM	50	50	22.70	22.81	22.71		
20	16QAM	100	0	22.81	22.83	22.82		
20	64QAM	1	0	22.66	22.72	22.68	23.7	2
20	64QAM	1	49	22.55	22.65	22.61		
20	64QAM	1	99	22.69	22.80	22.63		
20	64QAM	50	0	21.76	21.82	21.85	22.7	3
20	64QAM	50	24	21.73	21.80	21.74		
20	64QAM	50	50	21.78	21.87	21.68		
20	64QAM	100	0	21.79	21.81	21.83		
20	256QAM	1	0	20.01	20.04	19.98	20.7	5
20	256QAM	1	49	19.82	19.87	19.79		
20	256QAM	1	99	19.84	20.03	19.85		
20	256QAM	50	0	19.73	19.84	19.73	20.7	5
20	256QAM	50	24	19.73	19.75	19.79		
20	256QAM	50	50	19.63	19.81	19.67		
20	256QAM	100	0	19.66	19.78	19.83		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.81	24.92	24.90	25.7	0
15	QPSK	1	37	24.71	24.72	24.69		
15	QPSK	1	74	24.74	24.83	24.86		
15	QPSK	36	0	23.82	23.86	23.73	24.7	1
15	QPSK	36	20	23.60	23.78	23.67		
15	QPSK	36	39	23.72	23.76	23.69		
15	QPSK	75	0	23.77	23.79	23.69		
15	16QAM	1	0	23.49	23.71	23.50	24.7	1
15	16QAM	1	37	23.45	23.66	23.58		
15	16QAM	1	74	23.46	23.59	23.49		
15	16QAM	36	0	22.68	22.79	22.80	23.7	2
15	16QAM	36	20	22.57	22.81	22.66		
15	16QAM	36	39	22.66	22.74	22.60		
15	16QAM	75	0	22.69	22.76	22.73		
15	64QAM	1	0	22.61	22.66	22.54	23.7	2
15	64QAM	1	37	22.46	22.51	22.57		
15	64QAM	1	74	22.61	22.67	22.50		
15	64QAM	36	0	21.72	21.76	21.71	22.7	3
15	64QAM	36	20	21.68	21.69	21.60		
15	64QAM	36	39	21.66	21.75	21.61		
15	64QAM	75	0	21.71	21.73	21.77		
15	256QAM	1	0	19.90	19.98	19.90	20.7	5
15	256QAM	1	37	19.74	19.72	19.66		
15	256QAM	1	74	19.76	19.99	19.71		
15	256QAM	36	0	19.69	19.71	19.66	20.7	5
15	256QAM	36	20	19.60	19.71	19.65		
15	256QAM	36	39	19.59	19.69	19.60		
15	256QAM	75	0	19.52	19.64	19.79		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	24.71	24.88	24.83	25.7	0
10	QPSK	1	25	24.72	24.76	24.71		
10	QPSK	1	49	24.75	24.81	24.86		
10	QPSK	25	0	23.75	23.85	23.75	24.7	1
10	QPSK	25	12	23.61	23.75	23.63		
10	QPSK	25	25	23.71	23.76	23.67		
10	QPSK	50	0	23.74	23.81	23.69		
10	16QAM	1	0	23.54	23.67	23.56	24.7	1
10	16QAM	1	25	23.45	23.69	23.59		
10	16QAM	1	49	23.51	23.57	23.51		
10	16QAM	25	0	22.69	22.88	22.75	23.7	2
10	16QAM	25	12	22.59	22.79	22.62		
10	16QAM	25	25	22.61	22.73	22.65		
10	16QAM	50	0	22.78	22.79	22.78		
10	64QAM	1	0	22.57	22.65	22.63	23.7	2
10	64QAM	1	25	22.45	22.60	22.50		
10	64QAM	1	49	22.57	22.73	22.52		
10	64QAM	25	0	21.68	21.72	21.77	22.7	3
10	64QAM	25	12	21.60	21.67	21.71		
10	64QAM	25	25	21.69	21.82	21.57		
10	64QAM	50	0	21.65	21.74	21.75		
10	256QAM	1	0	19.87	19.91	19.93	20.7	5
10	256QAM	1	25	19.74	19.78	19.71		
10	256QAM	1	49	19.77	19.89	19.73		
10	256QAM	25	0	19.66	19.69	19.65	20.7	5
10	256QAM	25	12	19.63	19.67	19.66		
10	256QAM	25	25	19.57	19.73	19.59		
10	256QAM	50	0	19.59	19.73	19.69		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.73	24.85	24.83	25.7	0
5	QPSK	1	12	24.68	24.75	24.62		
5	QPSK	1	24	24.70	24.85	24.83		
5	QPSK	12	0	23.80	23.82	23.78	24.7	1
5	QPSK	12	7	23.61	23.75	23.73		
5	QPSK	12	13	23.74	23.69	23.70		
5	QPSK	25	0	23.72	23.79	23.66		
5	16QAM	1	0	23.59	23.72	23.61	24.7	1
5	16QAM	1	12	23.55	23.73	23.55		
5	16QAM	1	24	23.54	23.48	23.45		
5	16QAM	12	0	22.65	22.84	22.84	23.7	2
5	16QAM	12	7	22.55	22.74	22.71		
5	16QAM	12	13	22.56	22.67	22.62		
5	16QAM	25	0	22.74	22.80	22.71		
5	64QAM	1	0	22.53	22.65	22.56	23.7	2
5	64QAM	1	12	22.43	22.52	22.53		
5	64QAM	1	24	22.55	22.70	22.49		
5	64QAM	12	0	21.66	21.68	21.80	22.7	3
5	64QAM	12	7	21.68	21.66	21.68		
5	64QAM	12	13	21.65	21.82	21.54		
5	64QAM	25	0	21.65	21.74	21.77		
5	256QAM	1	0	19.86	19.91	19.87	20.7	5
5	256QAM	1	12	19.72	19.73	19.69		
5	256QAM	1	24	19.69	19.97	19.76		
5	256QAM	12	0	19.67	19.70	19.70	20.7	5
5	256QAM	12	7	19.65	19.60	19.68		
5	256QAM	12	13	19.59	19.73	19.61		
5	256QAM	25	0	19.56	19.69	19.75		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.16	25.27	25.32	25.20	25.24	25.7	0
20	QPSK	1	49	25.10	25.06	25.28	25.18	25.16		
20	QPSK	1	99	25.05	25.28	25.23	25.12	25.25		
20	QPSK	50	0	24.21	24.32	24.34	24.24	24.31	24.7	1
20	QPSK	50	24	24.11	24.22	24.25	24.21	24.22		
20	QPSK	50	50	24.09	24.13	24.21	24.20	24.15		
20	QPSK	100	0	24.09	24.14	24.29	24.23	24.15		
20	16QAM	1	0	23.93	23.95	24.15	23.84	24.04	24.7	1
20	16QAM	1	49	24.02	24.11	24.07	24.03	23.97		
20	16QAM	1	99	23.91	23.96	23.96	23.87	23.94		
20	16QAM	50	0	22.97	23.13	23.16	23.17	23.15	23.7	2
20	16QAM	50	24	23.10	23.05	23.17	23.02	23.08		
20	16QAM	50	50	23.03	23.04	23.16	23.19	23.08		
20	16QAM	100	0	23.03	23.10	23.15	23.11	23.05		
20	64QAM	1	0	22.93	23.08	23.07	23.04	22.97	23.7	2
20	64QAM	1	49	22.93	22.87	23.02	22.89	23.03		
20	64QAM	1	99	22.98	23.10	23.18	22.98	23.14		
20	64QAM	50	0	22.12	22.17	22.35	22.16	22.13	22.7	3
20	64QAM	50	24	21.99	22.08	22.19	21.96	22.03		
20	64QAM	50	50	22.05	22.10	22.30	22.05	22.12		
20	64QAM	100	0	22.00	22.15	22.38	22.09	22.25		
20	256QAM	1	0	20.13	20.32	20.33	20.33	20.27	20.7	5
20	256QAM	1	49	20.22	20.21	20.24	20.28	20.20		
20	256QAM	1	99	20.15	20.25	20.36	20.28	20.36		
20	256QAM	50	0	19.98	20.20	20.20	20.23	20.00	20.7	5
20	256QAM	50	24	20.09	20.22	20.18	20.15	20.20		
20	256QAM	50	50	19.96	20.02	20.15	19.98	20.03		
20	256QAM	100	0	20.00	20.06	20.15	20.17	20.13		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.86	24.97	25.02	24.90	24.94	26	0
15	QPSK	1	37	24.80	24.76	24.98	24.88	24.86		
15	QPSK	1	74	24.75	24.98	24.93	24.82	24.95		
15	QPSK	36	0	23.91	24.02	24.04	23.94	24.01	24.7	1
15	QPSK	36	20	23.81	23.92	23.95	23.91	23.92		
15	QPSK	36	39	23.79	23.83	23.91	23.90	23.85		
15	QPSK	75	0	23.79	23.84	23.99	23.93	23.85		
15	16QAM	1	0	23.63	23.65	23.85	23.54	23.74	24.7	1
15	16QAM	1	37	23.72	23.81	23.77	23.73	23.67		
15	16QAM	1	74	23.61	23.66	23.66	23.57	23.64		
15	16QAM	36	0	22.67	22.83	22.86	22.87	22.85	23.7	2
15	16QAM	36	20	22.80	22.75	22.87	22.72	22.78		
15	16QAM	36	39	22.73	22.74	22.86	22.89	22.76		
15	16QAM	75	0	22.73	22.80	22.85	22.81	22.75		
15	64QAM	1	0	22.63	22.78	22.77	22.74	22.67	23.7	2
15	64QAM	1	37	22.63	22.57	22.72	22.59	22.73		
15	64QAM	1	74	22.68	22.80	22.88	22.68	22.84		
15	64QAM	36	0	21.82	21.87	22.05	21.86	21.83	22.7	3
15	64QAM	36	20	21.69	21.78	21.89	21.66	21.73		
15	64QAM	36	39	21.75	21.80	22.00	21.75	21.82		
15	64QAM	75	0	21.70	21.85	22.08	21.79	21.95		
15	256QAM	1	0	19.83	20.02	20.03	20.03	19.97	20.7	5
15	256QAM	1	37	19.92	19.91	19.94	19.98	19.90		
15	256QAM	1	74	19.85	19.95	20.06	19.98	20.06		
15	256QAM	36	0	19.68	19.90	19.90	19.93	19.70	20.7	5
15	256QAM	36	20	19.79	19.92	19.88	19.85	19.90		
15	256QAM	36	39	19.66	19.72	19.85	19.68	19.73		
15	256QAM	75	0	19.70	19.76	19.85	19.87	19.83		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.07	25.13	25.26	25.08	25.14	26	0
10	QPSK	1	25	24.98	24.92	25.21	25.12	25.07		
10	QPSK	1	49	25.00	25.21	25.10	24.97	25.21		
10	QPSK	25	0	24.18	24.23	24.29	24.20	24.21	24.7	1
10	QPSK	25	12	24.03	24.18	24.16	24.15	24.12		
10	QPSK	25	25	24.04	24.05	24.07	24.15	24.11		
10	QPSK	50	0	24.03	24.10	24.23	24.13	24.10		
10	16QAM	1	0	23.82	23.84	24.08	23.74	23.90	24.7	1
10	16QAM	1	25	23.88	24.07	23.96	23.97	23.90		
10	16QAM	1	49	23.85	23.82	23.92	23.79	23.87		
10	16QAM	25	0	22.86	23.02	23.13	23.02	23.03	23.7	2
10	16QAM	25	12	23.00	22.92	23.02	22.91	22.96		
10	16QAM	25	25	22.96	22.93	23.03	23.06	22.93		
10	16QAM	50	0	22.91	23.01	23.02	23.07	22.94		
10	64QAM	1	0	22.86	23.04	22.99	22.90	22.85	23.7	2
10	64QAM	1	25	22.78	22.79	22.98	22.76	22.92		
10	64QAM	1	49	22.90	23.05	23.07	22.90	22.99		
10	64QAM	25	0	22.00	22.04	22.22	22.07	22.02	22.7	3
10	64QAM	25	12	21.96	22.04	22.09	21.93	21.98		
10	64QAM	25	25	21.95	21.96	22.22	21.99	22.00		
10	64QAM	50	0	22.09	22.04	22.34	22.00	22.18		
10	256QAM	1	0	20.06	20.21	20.19	20.23	20.21	20.7	5
10	256QAM	1	25	20.12	20.17	20.18	20.25	20.08		
10	256QAM	1	49	20.12	20.20	20.27	20.18	20.29		
10	256QAM	25	0	19.87	20.09	20.06	20.13	19.94	20.7	5
10	256QAM	25	12	20.01	20.18	20.03	20.01	20.07		
10	256QAM	25	25	19.90	19.94	20.03	19.92	19.93		
10	256QAM	50	0	19.93	19.94	20.03	20.07	20.10		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	25.10	25.16	25.22	25.06	25.15	26	0
5	QPSK	1	12	25.03	25.03	25.17	25.12	25.12		
5	QPSK	1	24	24.95	25.14	25.17	25.02	25.10		
5	QPSK	12	0	24.07	24.23	24.22	24.18	24.23	24.7	1
5	QPSK	12	7	23.96	24.11	24.14	24.10	24.14		
5	QPSK	12	13	23.94	24.06	24.15	24.07	24.02		
5	QPSK	25	0	24.05	24.06	24.21	24.16	24.03		
5	16QAM	1	0	23.85	23.83	24.02	23.76	23.97	24.7	1
5	16QAM	1	12	23.90	24.04	23.99	23.95	23.83		
5	16QAM	1	24	23.83	23.89	23.92	23.74	23.87		
5	16QAM	12	0	22.83	23.00	23.02	23.06	23.01	23.7	2
5	16QAM	12	7	22.96	22.94	23.04	22.97	22.98		
5	16QAM	12	13	22.94	23.00	23.02	23.14	22.97		
5	16QAM	25	0	22.89	23.00	23.03	23.06	22.91		
5	64QAM	1	0	22.79	23.04	22.96	22.93	22.83	23.7	2
5	64QAM	1	12	22.84	22.74	22.91	22.77	22.92		
5	64QAM	1	24	22.88	23.04	23.05	22.91	23.07		
5	64QAM	12	0	22.04	22.05	22.28	22.13	22.10	22.7	3
5	64QAM	12	7	21.92	21.99	22.13	22.04	21.95		
5	64QAM	12	13	21.94	21.96	22.20	21.97	21.99		
5	64QAM	25	0	22.01	22.05	22.34	21.99	22.18		
5	256QAM	1	0	20.08	20.23	20.23	20.26	20.17	20.7	5
5	256QAM	1	12	20.10	20.08	20.19	20.24	20.10		
5	256QAM	1	24	20.10	20.19	20.29	20.17	20.31		
5	256QAM	12	0	19.86	20.13	20.12	20.11	19.97	20.7	5
5	256QAM	12	7	19.97	20.16	20.05	20.01	20.10		
5	256QAM	12	13	19.83	19.96	20.06	19.86	19.92		
5	256QAM	25	0	19.90	19.93	20.08	20.06	20.09		

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BW [MHz]	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	23.44	23.56	23.40		
20	QPSK	1	49	23.40	23.53	23.34	24.7	0
20	QPSK	1	99	22.34	23.43	23.44		
20	QPSK	50	0	23.44	23.55	23.44		
20	QPSK	50	24	23.47	23.51	23.33	24.7	0
20	QPSK	50	50	23.48	23.46	23.42		
20	QPSK	100	0	23.45	23.48	23.37		
20	16QAM	1	0	23.46	23.44	23.38		
20	16QAM	1	49	23.46	23.45	23.44	24.7	0
20	16QAM	1	99	23.40	23.43	23.33		
20	16QAM	50	0	22.24	22.40	22.30		
20	16QAM	50	24	22.25	22.29	22.20	23.7	1
20	16QAM	50	50	22.17	22.35	22.22		
20	16QAM	100	0	22.26	22.41	22.30		
20	64QAM	1	0	22.20	22.23	22.15		
20	64QAM	1	49	22.09	22.18	22.11	23.7	1
20	64QAM	1	99	22.27	22.23	22.16		
20	64QAM	50	0	21.33	21.39	21.34		
20	64QAM	50	24	21.15	21.28	21.20	22.7	2
20	64QAM	50	50	21.24	21.29	21.23		
20	64QAM	100	0	21.29	21.37	21.31		
20	256QAM	1	0	19.48	19.60	19.40		
20	256QAM	1	49	19.40	19.34	19.39	20.7	4
20	256QAM	1	99	19.34	19.48	19.45		
20	256QAM	50	0	19.32	19.42	19.23		
20	256QAM	50	24	19.18	19.26	19.23	20.7	4
20	256QAM	50	50	19.12	19.25	19.29		
20	256QAM	100	0	19.23	19.38	19.22		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.28	23.48	23.32		
15	QPSK	1	37	23.26	23.38	23.21	24.7	0
15	QPSK	1	74	23.35	23.28	23.38		
15	QPSK	36	0	23.30	23.45	23.36		
15	QPSK	36	20	23.33	23.41	23.17	24.7	0
15	QPSK	36	39	23.33	23.29	23.26		
15	QPSK	75	0	23.37	23.32	23.27		
15	16QAM	1	0	23.31	23.29	23.33		
15	16QAM	1	37	23.32	23.37	23.32	24.7	0
15	16QAM	1	74	23.34	23.29	23.25		
15	16QAM	36	0	22.12	22.29	22.17		
15	16QAM	36	20	22.20	22.23	22.15	23.7	1
15	16QAM	36	39	22.08	22.26	22.09		
15	16QAM	75	0	22.11	22.27	22.25		
15	64QAM	1	0	22.09	22.12	22.08		
15	64QAM	1	37	21.96	22.04	21.98	23.7	1
15	64QAM	1	74	22.15	22.19	22.13		
15	64QAM	36	0	21.21	21.29	21.23		
15	64QAM	36	20	21.02	21.14	21.10	22.7	2
15	64QAM	36	39	21.21	21.24	21.18		
15	64QAM	75	0	21.22	21.33	21.22		
15	256QAM	1	0	19.34	19.54	19.35		
15	256QAM	1	37	19.32	19.36	19.30	20.7	4
15	256QAM	1	74	19.30	19.40	19.30		
15	256QAM	36	0	19.21	19.33	19.09		
15	256QAM	36	20	19.13	19.14	19.19	20.7	4
15	256QAM	36	39	18.97	19.21	19.19		
15	256QAM	75	0	19.08	19.27	19.19		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.30	23.45	23.29		
10	QPSK	1	25	23.29	23.43	23.26	24.7	0
10	QPSK	1	49	23.27	23.35	23.33		
10	QPSK	25	0	23.38	23.45	23.30		
10	QPSK	25	12	23.43	23.45	23.21	24.7	0
10	QPSK	25	25	23.41	23.33	23.35		
10	QPSK	50	0	23.40	23.41	23.31		
10	16QAM	1	0	23.39	23.37	23.23		
10	16QAM	1	25	23.33	23.36	23.38	24.7	0
10	16QAM	1	49	23.25	23.30	23.20		
10	16QAM	25	0	22.21	22.36	22.24		
10	16QAM	25	12	22.20	22.25	22.13	23.7	1
10	16QAM	25	25	22.07	22.31	22.10		
10	16QAM	50	0	22.17	22.32	22.21		
10	64QAM	1	0	22.15	22.11	22.01		
10	64QAM	1	25	22.01	22.06	21.98	23.7	1
10	64QAM	1	49	22.18	22.15	22.03		
10	64QAM	25	0	21.23	21.31	21.21		
10	64QAM	25	12	21.05	21.20	21.11	22.7	2
10	64QAM	25	25	21.20	21.24	21.16		
10	64QAM	50	0	21.20	21.24	21.27		
10	256QAM	1	0	19.41	19.56	19.33		
10	256QAM	1	25	19.31	19.23	19.24	20.7	4
10	256QAM	1	49	19.20	19.38	19.34		
10	256QAM	25	0	19.24	19.27	19.15		
10	256QAM	25	12	19.07	19.17	19.14	20.7	4
10	256QAM	25	25	19.04	19.18	19.24		
10	256QAM	50	0	19.14	19.25	19.13		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.35	23.45	23.28		
5	QPSK	1	12	23.32	23.46	23.22	24.7	0
5	QPSK	1	24	23.33	23.29	23.39		
5	QPSK	12	0	23.38	23.42	23.39		
5	QPSK	12	7	23.35	23.47	23.19	24.7	0
5	QPSK	12	13	23.43	23.37	23.28		
5	QPSK	25	0	23.30	23.40	23.24		
5	16QAM	1	0	23.39	23.38	23.30		
5	16QAM	1	12	23.41	23.31	23.29	24.7	0
5	16QAM	1	24	23.36	23.30	23.25		
5	16QAM	12	0	22.21	22.29	22.16		
5	16QAM	12	7	22.14	22.25	22.05	23.7	1
5	16QAM	12	13	22.07	22.28	22.13		
5	16QAM	25	0	22.21	22.33	22.22		
5	64QAM	1	0	22.16	22.15	22.03		
5	64QAM	1	12	21.95	22.06	22.07	23.7	1
5	64QAM	1	24	22.24	22.10	22.04		
5	64QAM	12	0	21.28	21.28	21.27		
5	64QAM	12	7	21.01	21.23	21.07	22.7	2
5	64QAM	12	13	21.13	21.16	21.15		
5	64QAM	25	0	21.15	21.25	21.23		
5	256QAM	1	0	19.42	19.51	19.26		
5	256QAM	1	12	19.36	19.20	19.30	20.7	4
5	256QAM	1	24	19.28	19.34	19.35		
5	256QAM	12	0	19.18	19.33	19.19		
5	256QAM	12	7	19.11	19.17	19.14	20.7	4
5	256QAM	12	13	19.02	19.22	19.17		
5	256QAM	25	0	19.11	19.28	19.13		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.30	23.52	23.31		
3	QPSK	1	8	23.29	23.38	23.28	24.7	0
3	QPSK	1	14	23.35	23.28	23.34		
3	QPSK	8	0	23.39	23.46	23.31		
3	QPSK	8	4	23.47	23.45	23.25	24.7	0
3	QPSK	8	7	23.40	23.32	23.29		
3	QPSK	15	0	23.29	23.39	23.21		
3	16QAM	1	0	23.32	23.29	23.29		
3	16QAM	1	8	23.42	23.36	23.40	24.7	0
3	16QAM	1	14	23.36	23.32	23.23		
3	16QAM	8	0	22.15	22.37	22.19		
3	16QAM	8	4	22.07	22.20	22.08	23.7	1
3	16QAM	8	7	22.10	22.28	22.12		
3	16QAM	15	0	22.22	22.30	22.26		
3	64QAM	1	0	22.15	22.17	22.05		
3	64QAM	1	8	22.29	22.07	22.04	23.7	1
3	64QAM	1	14	22.14	22.15	22.02		
3	64QAM	8	0	21.25	21.29	21.25		
3	64QAM	8	4	21.04	21.20	21.09	22.7	2
3	64QAM	8	7	21.20	21.18	21.17		
3	64QAM	15	0	21.19	21.22	21.27		
3	256QAM	1	0	19.41	19.56	19.31		
3	256QAM	1	8	19.25	19.29	19.26	20.7	4
3	256QAM	1	14	19.21	19.43	19.32		
3	256QAM	8	0	19.24	19.30	19.10		
3	256QAM	8	4	19.07	19.13	19.09	20.7	4
3	256QAM	8	7	19.03	19.13	19.23		
3	256QAM	15	0	19.14	19.32	19.13		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.31	23.44	23.30		
1.4	QPSK	1	3	23.33	23.48	23.17		
1.4	QPSK	1	5	23.33	23.31	23.29	24.7	0
1.4	QPSK	3	0	23.34	23.49	23.35		
1.4	QPSK	3	1	23.37	23.45	23.18		
1.4	QPSK	3	3	23.40	23.36	23.36		
1.4	QPSK	6	0	23.33	23.36	23.26	24.7	0
1.4	16QAM	1	0	23.37	23.40	23.27		
1.4	16QAM	1	3	23.32	23.40	23.37		
1.4	16QAM	1	5	23.28	23.39	23.23	24.7	0
1.4	16QAM	3	0	23.02	23.10	22.96		
1.4	16QAM	3	1	23.02	23.16	22.96		
1.4	16QAM	3	3	22.95	23.05	22.92		
1.4	16QAM	6	0	22.17	22.27	22.21	23.7	1
1.4	64QAM	1	0	22.14	22.21	22.12		
1.4	64QAM	1	3	22.13	22.32	22.14		
1.4	64QAM	1	5	22.12	22.29	22.16	23.7	1
1.4	64QAM	3	0	22.10	22.19	22.09		
1.4	64QAM	3	1	21.97	22.05	22.00		
1.4	64QAM	3	3	22.14	22.11	22.03		
1.4	64QAM	6	0	21.18	21.27	21.23	22.7	2
1.4	256QAM	1	0	19.37	19.47	19.31		
1.4	256QAM	1	3	19.36	19.23	19.34		
1.4	256QAM	1	5	19.22	19.41	19.42	20.7	4
1.4	256QAM	3	0	19.26	19.36	19.16		
1.4	256QAM	3	1	19.03	19.14	19.19		
1.4	256QAM	3	3	18.99	19.21	19.18		
1.4	256QAM	6	0	19.15	19.29	19.16	20.7	4

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BW [MHz]	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	22.72	22.85	22.68		
20	QPSK	1	49	22.70	22.79	22.61	23.7	0
20	QPSK	1	99	22.58	22.82	22.67		
20	QPSK	50	0	22.60	22.74	22.69		
20	QPSK	50	24	22.52	22.70	22.65	23.7	0
20	QPSK	50	50	22.61	22.68	22.54		
20	QPSK	100	0	22.62	22.71	22.65		
20	16QAM	1	0	22.64	22.74	22.60		
20	16QAM	1	49	22.68	22.67	22.65	23.7	0
20	16QAM	1	99	22.60	22.63	22.58		
20	16QAM	50	0	22.57	22.70	22.66		
20	16QAM	50	24	22.51	22.65	22.47	23.7	0
20	16QAM	50	50	22.58	22.55	22.54		
20	16QAM	100	0	22.59	22.66	22.59		
20	64QAM	1	0	22.64	22.72	22.46		
20	64QAM	1	49	22.35	22.54	22.48	23.7	0
20	64QAM	1	99	22.49	22.60	22.41		
20	64QAM	50	0	21.62	21.65	21.60		
20	64QAM	50	24	21.43	21.56	21.46	22.7	1
20	64QAM	50	50	21.57	21.64	21.55		
20	64QAM	100	0	21.49	21.61	21.54		
20	256QAM	1	0	19.70	19.80	19.69		
20	256QAM	1	49	19.61	19.75	19.65	20.7	3
20	256QAM	1	99	19.73	19.76	19.68		
20	256QAM	50	0	19.53	19.62	19.57		
20	256QAM	50	24	19.58	19.61	19.50	20.7	3
20	256QAM	50	50	19.46	19.59	19.55		
20	256QAM	100	0	19.55	19.63	19.62		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	22.62	22.77	22.53		
15	QPSK	1	37	22.64	22.67	22.53	23.7	0
15	QPSK	1	74	22.51	22.78	22.52		
15	QPSK	36	0	22.55	22.67	22.62		
15	QPSK	36	20	22.38	22.63	22.55	23.7	0
15	QPSK	36	39	22.51	22.57	22.44		
15	QPSK	75	0	22.51	22.56	22.60		
15	16QAM	1	0	22.49	22.57	22.46		
15	16QAM	1	37	22.55	22.53	22.56	23.7	0
15	16QAM	1	74	22.54	22.59	22.52		
15	16QAM	36	0	22.53	22.65	22.63		
15	16QAM	36	20	22.44	22.62	22.35	23.7	0
15	16QAM	36	39	22.47	22.44	22.48		
15	16QAM	75	0	22.47	22.52	22.46		
15	64QAM	1	0	22.35	22.48	22.32		
15	64QAM	1	37	22.22	22.41	22.44	23.7	0
15	64QAM	1	74	22.36	22.46	22.37		
15	64QAM	36	0	21.55	21.56	21.54		
15	64QAM	36	20	21.34	21.47	21.32	22.7	1
15	64QAM	36	39	21.47	21.54	21.44		
15	64QAM	75	0	21.41	21.47	21.46		
15	256QAM	1	0	19.63	19.75	19.62		
15	256QAM	1	37	19.52	19.59	19.54	20.7	3
15	256QAM	1	74	19.68	19.65	19.64		
15	256QAM	36	0	19.44	19.57	19.51		
15	256QAM	36	20	19.45	19.47	19.41	20.7	3
15	256QAM	36	39	19.33	19.49	19.44		
15	256QAM	75	0	19.45	19.55	19.48		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	22.64	22.74	22.53		
10	QPSK	1	25	22.56	22.62	22.48	23.7	0
10	QPSK	1	49	22.50	22.74	22.56		
10	QPSK	25	0	22.50	22.63	22.63		
10	QPSK	25	12	22.45	22.63	22.57	23.7	0
10	QPSK	25	25	22.57	22.52	22.50		
10	QPSK	50	0	22.53	22.55	22.60		
10	16QAM	1	0	22.53	22.70	22.55		
10	16QAM	1	25	22.62	22.52	22.51	23.7	0
10	16QAM	1	49	22.54	22.51	22.44		
10	16QAM	25	0	22.49	22.55	22.57		
10	16QAM	25	12	22.38	22.57	22.38	23.7	0
10	16QAM	25	25	22.45	22.46	22.46		
10	16QAM	50	0	22.54	22.57	22.51		
10	64QAM	1	0	22.38	22.43	22.43		
10	64QAM	1	25	22.29	22.45	22.38	23.7	0
10	64QAM	1	49	22.42	22.47	22.31		
10	64QAM	25	0	21.57	21.57	21.54		
10	64QAM	25	12	21.34	21.45	21.33	22.7	1
10	64QAM	25	25	21.47	21.54	21.45		
10	64QAM	50	0	21.44	21.49	21.42		
10	256QAM	1	0	19.56	19.73	19.54		
10	256QAM	1	25	19.56	19.61	19.60	20.7	3
10	256QAM	1	49	19.60	19.73	19.54		
10	256QAM	25	0	19.46	19.53	19.53		
10	256QAM	25	12	19.38	19.48	19.38	20.7	3
10	256QAM	25	25	19.36	19.40	19.45		
10	256QAM	50	0	19.46	19.54	19.54		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	22.64	22.78	22.63		
5	QPSK	1	12	22.57	22.69	22.46	23.7	0
5	QPSK	1	24	22.55	22.76	22.62		
5	QPSK	12	0	22.47	22.66	22.54		
5	QPSK	12	7	22.44	22.63	22.56	23.7	0
5	QPSK	12	13	22.52	22.61	22.45		
5	QPSK	25	0	22.46	22.65	22.50		
5	16QAM	1	0	22.57	22.61	22.56		
5	16QAM	1	12	22.63	22.56	22.51	23.7	0
5	16QAM	1	24	22.54	22.58	22.54		
5	16QAM	12	0	22.46	22.65	22.57		
5	16QAM	12	7	22.43	22.53	22.43	23.7	0
5	16QAM	12	13	22.55	22.47	22.44		
5	16QAM	25	0	22.44	22.56	22.55		
5	64QAM	1	0	22.36	22.45	22.41		
5	64QAM	1	12	22.21	22.46	22.39	23.7	0
5	64QAM	1	24	22.38	22.47	22.32		
5	64QAM	12	0	21.57	21.57	21.55		
5	64QAM	12	7	21.38	21.43	21.34	22.7	1
5	64QAM	12	13	21.43	21.51	21.47		
5	64QAM	25	0	21.37	21.58	21.47		
5	256QAM	1	0	19.64	19.73	19.58		
5	256QAM	1	12	19.52	19.68	19.53	20.7	3
5	256QAM	1	24	19.67	19.69	19.56		
5	256QAM	12	0	19.47	19.57	19.53		
5	256QAM	12	7	19.52	19.53	19.42	20.7	3
5	256QAM	12	13	19.39	19.43	19.51		
5	256QAM	25	0	19.45	19.49	19.50		
Channel				19950	20175	20400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	22.66	22.71	22.52		
3	QPSK	1	8	22.54	22.63	22.53	23.7	0
3	QPSK	1	14	22.54	22.72	22.58		
3	QPSK	8	0	22.50	22.59	22.64		
3	QPSK	8	4	22.47	22.55	22.50	23.7	0
3	QPSK	8	7	22.45	22.55	22.43		
3	QPSK	15	0	22.57	22.59	22.52		
3	16QAM	1	0	22.55	22.61	22.45		
3	16QAM	1	8	22.52	22.55	22.51	23.7	0
3	16QAM	1	14	22.46	22.57	22.47		
3	16QAM	8	0	22.48	22.61	22.56		
3	16QAM	8	4	22.40	22.57	22.43	23.7	0
3	16QAM	8	7	22.50	22.41	22.41		
3	16QAM	15	0	22.46	22.62	22.54		
3	64QAM	1	0	22.41	22.51	22.38		
3	64QAM	1	8	22.25	22.39	22.45	23.7	0
3	64QAM	1	14	22.34	22.54	22.31		
3	64QAM	8	0	21.48	21.55	21.46		
3	64QAM	8	4	21.32	21.47	21.41	22.7	1
3	64QAM	8	7	21.45	21.53	21.42		
3	64QAM	15	0	21.43	21.47	21.46		
3	256QAM	1	0	19.55	19.72	19.59		
3	256QAM	1	8	19.54	19.70	19.54	20.7	3
3	256QAM	1	14	19.65	19.72	19.61		
3	256QAM	8	0	19.40	19.56	19.47		
3	256QAM	8	4	19.47	19.52	19.37	20.7	3
3	256QAM	8	7	19.32	19.44	19.51		
3	256QAM	15	0	19.51	19.54	19.48		
Channel				19907	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	22.63	22.81	22.54		
1.4	QPSK	1	3	22.60	22.69	22.55		
1.4	QPSK	1	5	22.61	22.78	22.53	23.7	0
1.4	QPSK	3	0	22.63	22.71	22.53		
1.4	QPSK	3	1	22.58	22.66	22.57		
1.4	QPSK	3	3	22.58	22.69	22.54		
1.4	QPSK	6	0	22.54	22.70	22.60	23.7	0
1.4	16QAM	1	0	22.40	22.61	22.54		
1.4	16QAM	1	3	22.48	22.57	22.41		
1.4	16QAM	1	5	22.59	22.58	22.62	23.7	0
1.4	16QAM	3	0	22.53	22.64	22.46		
1.4	16QAM	3	1	22.63	22.50	22.55		
1.4	16QAM	3	3	22.45	22.47	22.45		
1.4	16QAM	6	0	22.53	22.56	22.51	23.7	0
1.4	64QAM	1	0	22.43	22.53	22.38		
1.4	64QAM	1	3	22.44	22.47	22.46		
1.4	64QAM	1	5	22.48	22.59	22.50	23.7	0
1.4	64QAM	3	0	22.41	22.48	22.35		
1.4	64QAM	3	1	22.25	22.44	22.42		
1.4	64QAM	3	3	22.45	22.54	22.31		
1.4	64QAM	6	0	21.53	21.58	21.43	22.7	1
1.4	256QAM	1	0	19.61	19.69	19.57		
1.4	256QAM	1	3	19.48	19.66	19.60		
1.4	256QAM	1	5	19.62	19.71	19.62	20.7	3
1.4	256QAM	3	0	19.38	19.56	19.45		
1.4	256QAM	3	1	19.53	19.57	19.42		
1.4	256QAM	3	3	19.31	19.48	19.44		
1.4	256QAM	6	0	19.46	19.52	19.53	20.7	3

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BW [MHz]	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	20.50	20.58	20.52		
20	QPSK	1	49	20.49	20.52	20.46	22	0
20	QPSK	1	99	20.39	20.47	20.42		
20	QPSK	50	0	20.51	20.53	20.47		
20	QPSK	50	24	20.40	20.50	20.42	22	0
20	QPSK	50	50	20.41	20.46	20.38		
20	QPSK	100	0	20.50	20.47	20.41		
20	16QAM	1	0	20.37	20.40	20.40		
20	16QAM	1	49	20.26	20.34	20.42	22	0
20	16QAM	1	99

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.38	23.42	23.30	24.2	0
20	QPSK	1	49	23.27	23.37	23.18		
20	QPSK	1	99	23.29	23.32	23.25		
20	QPSK	50	0	23.21	23.32	23.28	24.2	0
20	QPSK	50	24	23.14	23.27	23.17		
20	QPSK	50	50	23.24	23.27	23.14		
20	QPSK	100	0	23.07	23.26	23.19		
20	16QAM	1	0	22.96	23.14	23.06	24.2	0
20	16QAM	1	49	23.05	23.16	23.07		
20	16QAM	1	99	22.99	23.00	22.95		
20	16QAM	50	0	22.68	22.79	22.71	23.7	0.5
20	16QAM	50	24	22.66	22.68	22.60		
20	16QAM	50	50	22.66	22.66	22.67		
20	16QAM	100	0	22.66	22.70	22.67		
20	64QAM	1	0	22.55	22.62	22.53	23.7	0.5
20	64QAM	1	49	22.45	22.58	22.60		
20	64QAM	1	99	22.64	22.67	22.53		
20	64QAM	50	0	21.71	21.82	21.76	22.7	1.5
20	64QAM	50	24	21.57	21.72	21.58		
20	64QAM	50	50	21.71	21.75	21.58		
20	64QAM	100	0	21.63	21.78	21.64		
20	256QAM	1	0	19.80	19.99	19.76	20.7	3.5
20	256QAM	1	49	19.73	19.83	19.71		
20	256QAM	1	99	19.82	19.94	19.74		
20	256QAM	50	0	19.68	19.82	19.60	20.7	3.5
20	256QAM	50	24	19.68	19.70	19.63		
20	256QAM	50	50	19.51	19.63	19.62		
20	256QAM	100	0	19.68	19.71	19.66		
Channel				37625	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.34	23.38	23.24	24.2	0
15	QPSK	1	37	23.21	23.33	23.15		
15	QPSK	1	74	23.20	23.24	23.10		
15	QPSK	36	0	23.10	23.19	23.18	24.2	0
15	QPSK	36	20	23.03	23.13	23.14		
15	QPSK	36	39	23.11	23.16	23.09		
15	QPSK	75	0	23.00	23.14	23.15		
15	16QAM	1	0	22.91	23.02	22.96	24.2	0
15	16QAM	1	37	23.00	23.04	22.95		
15	16QAM	1	74	22.93	22.94	22.85		
15	16QAM	36	0	22.63	22.71	22.59	23.7	0.5
15	16QAM	36	20	22.56	22.63	22.46		
15	16QAM	36	39	22.58	22.54	22.54		
15	16QAM	75	0	22.59	22.61	22.52		
15	64QAM	1	0	22.48	22.51	22.41	23.7	0.5
15	64QAM	1	37	22.35	22.49	22.48		
15	64QAM	1	74	22.60	22.60	22.44		
15	64QAM	36	0	21.66	21.72	21.69	22.7	1.5
15	64QAM	36	20	21.51	21.67	21.48		
15	64QAM	36	39	21.57	21.67	21.48		
15	64QAM	75	0	21.49	21.73	21.51		
15	256QAM	1	0	19.65	19.93	19.71	20.7	3.5
15	256QAM	1	37	19.61	19.72	19.64		
15	256QAM	1	74	19.78	19.90	19.70		
15	256QAM	36	0	19.56	19.75	19.57	20.7	3.5
15	256QAM	36	20	19.57	19.57	19.48		
15	256QAM	36	39	19.40	19.53	19.55		
15	256QAM	75	0	19.62	19.58	19.55		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	23.25	23.33	23.14	24.2	0
10	QPSK	1	25	23.11	23.23	23.09		
10	QPSK	1	49	23.23	23.23	23.20		
10	QPSK	25	0	23.13	23.26	23.21	24.2	0
10	QPSK	25	12	23.09	23.17	23.13		
10	QPSK	25	25	23.17	23.19	23.08		
10	QPSK	50	0	23.01	23.15	23.14		
10	16QAM	1	0	22.89	23.04	22.97	24.2	0
10	16QAM	1	25	22.94	23.12	22.99		
10	16QAM	1	49	22.86	22.93	22.90		
10	16QAM	25	0	22.57	22.66	22.66	23.7	0.5
10	16QAM	25	12	22.58	22.54	22.47		
10	16QAM	25	25	22.52	22.61	22.61		
10	16QAM	50	0	22.57	22.63	22.64		
10	64QAM	1	0	22.47	22.53	22.42	23.7	0.5
10	64QAM	1	25	22.31	22.47	22.45		
10	64QAM	1	49	22.51	22.56	22.41		
10	64QAM	25	0	21.58	21.73	21.69	22.7	1.5
10	64QAM	25	12	21.44	21.60	21.53		
10	64QAM	25	25	21.64	21.72	21.49		
10	64QAM	50	0	21.57	21.68	21.57		
10	256QAM	1	0	19.74	19.92	19.66	20.7	3.5
10	256QAM	1	25	19.67	19.78	19.65		
10	256QAM	1	49	19.70	19.91	19.60		
10	256QAM	25	0	19.55	19.77	19.55	20.7	3.5
10	256QAM	25	12	19.55	19.64	19.49		
10	256QAM	25	25	19.44	19.61	19.53		
10	256QAM	50	0	19.55	19.62	19.54		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.21	23.30	23.18	24.2	0
5	QPSK	1	12	23.19	23.25	23.02		
5	QPSK	1	24	23.20	23.22	23.13		
5	QPSK	12	0	23.07	23.24	23.14	24.2	0
5	QPSK	12	7	22.99	23.14	23.12		
5	QPSK	12	13	23.11	23.19	23.08		
5	QPSK	25	0	23.00	23.21	23.12		
5	16QAM	1	0	22.90	23.04	23.01	24.2	0
5	16QAM	1	12	22.97	23.08	23.00		
5	16QAM	1	24	22.89	22.91	22.87		
5	16QAM	12	0	22.59	22.73	22.66	23.7	0.5
5	16QAM	12	7	22.63	22.54	22.53		
5	16QAM	12	13	22.61	22.57	22.54		
5	16QAM	25	0	22.55	22.60	22.63		
5	64QAM	1	0	22.42	22.55	22.40	23.7	0.5
5	64QAM	1	12	22.36	22.51	22.54		
5	64QAM	1	24	22.54	22.53	22.40		
5	64QAM	12	0	21.59	21.73	21.70	22.7	1.5
5	64QAM	12	7	21.42	21.55	21.48		
5	64QAM	12	13	21.62	21.61	21.55		
5	64QAM	25	0	21.49	21.68	21.55		
5	256QAM	1	0	19.68	19.92	19.64	20.7	3.5
5	256QAM	1	12	19.59	19.72	19.67		
5	256QAM	1	24	19.68	19.81	19.60		
5	256QAM	12	0	19.58	19.70	19.57	20.7	3.5
5	256QAM	12	7	19.55	19.61	19.53		
5	256QAM	12	13	19.36	19.52	19.50		
5	256QAM	25	0	19.58	19.66	19.56		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.29	23.34	23.45	23.40	23.32	23.7	0
20	QPSK	1	49	23.18	23.33	23.30	23.25	23.15		
20	QPSK	1	99	23.22	23.22	23.35	23.33	23.31		
20	QPSK	50	0	23.37	23.28	23.43	23.22	23.32		
20	QPSK	50	24	23.26	23.17	23.38	23.27	23.25		
20	QPSK	50	50	23.27	23.18	23.32	23.16	23.25		
20	QPSK	100	0	23.30	23.22	23.35	23.34	23.29		
20	16QAM	1	0	23.30	23.25	23.34	23.14	23.19	23.7	0
20	16QAM	1	49	23.18	23.25	23.32	23.25	23.28		
20	16QAM	1	99	23.22	23.28	23.31	23.16	23.18		
20	16QAM	50	0	23.17	23.17	23.22	23.23	23.15	23.7	0
20	16QAM	50	24	23.15	23.10	23.23	23.03	23.12		
20	16QAM	50	50	23.08	23.11	23.20	23.06	23.16		
20	16QAM	100	0	23.11	23.12	23.25	23.08	23.16		
20	64QAM	1	0	23.02	22.98	23.12	23.02	23.07	23.7	0
20	64QAM	1	49	23.02	22.88	23.10	22.96	23.04		
20	64QAM	1	99	22.97	23.07	23.06	22.95	22.98		
20	64QAM	50	0	22.10	22.06	22.21	22.13	22.18	22.7	1
20	64QAM	50	24	22.11	22.04	22.21	22.00	22.12		
20	64QAM	50	50	22.10	22.13	22.15	22.07	22.06		
20	64QAM	100	0	22.11	22.15	22.17	22.16	22.03		
20	256QAM	1	0	20.39	20.25	20.43	20.30	20.30	20.7	3
20	256QAM	1	49	20.12	20.21	20.25	20.16	20.12		
20	256QAM	1	99	20.23	20.25	20.29	20.19	20.25		
20	256QAM	50	0	20.17	20.16	20.22	20.12	20.10	20.7	3
20	256QAM	50	24	20.07	20.13	20.17	20.04	20.07		
20	256QAM	50	50	20.00	20.05	20.10	20.02	20.07		
20	256QAM	100	0	20.04	20.12	20.12	20.09	20.02		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.14	23.21	23.37	23.24	23.22	24	0
15	QPSK	1	37	23.05	23.27	23.21	23.19	23.03		
15	QPSK	1	74	23.05	23.11	23.18	23.22	23.15		
15	QPSK	36	0	23.24	23.23	23.40	23.06	23.26	23.7	0
15	QPSK	36	20	23.21	23.02	23.33	23.19	23.11		
15	QPSK	36	39	23.20	23.03	23.18	23.01	23.19		
15	QPSK	75	0	23.18	23.15	23.20	23.30	23.17		
15	16QAM	1	0	23.20	23.08	23.29	23.00	23.07	23.7	0
15	16QAM	1	37	23.14	23.10	23.18	23.21	23.18		
15	16QAM	1	74	23.10	23.15	23.23	23.09	23.02		
15	16QAM	36	0	23.05	23.07	23.12	23.15	23.12	23.7	0
15	16QAM	36	20	23.03	22.97	23.17	22.96	23.07		
15	16QAM	36	39	22.95	23.06	23.14	22.95	23.05		
15	16QAM	75	0	23.02	23.07	23.18	22.97	23.12		
15	64QAM	1	0	22.96	22.91	23.00	22.90	23.03	23.7	0
15	64QAM	1	37	22.90	22.83	23.07	22.83	22.99		
15	64QAM	1	74	22.92	22.94	23.02	22.86	22.92		
15	64QAM	36	0	21.99	21.94	22.12	22.04	22.10	22.7	1
15	64QAM	36	20	21.97	21.96	22.09	21.96	22.07		
15	64QAM	36	39	21.97	22.06	22.07	21.95	21.94		
15	64QAM	75	0	22.03	22.05	22.12	22.06	21.98		
15	256QAM	1	0	20.30	20.17	20.35	20.23	20.27	20.7	3
15	256QAM	1	37	20.03	20.10	20.12	20.10	20.01		
15	256QAM	1	74	20.09	20.21	20.25	20.05	20.14		
15	256QAM	36	0	20.02	20.06	20.17	20.00	19.99	20.7	3
15	256QAM	36	20	19.93	20.06	20.02	19.96	19.93		
15	256QAM	36	39	19.89	19.99	20.01	19.89	19.94		
15	256QAM	75	0	19.90	20.05	20.06	19.99	19.98		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.16	23.24	23.37	23.25	23.22	24	0
10	QPSK	1	25	23.02	23.30	23.14	23.18	23.12		
10	QPSK	1	49	23.05	23.14	23.24	23.17	23.16		
10	QPSK	25	0	23.28	23.13	23.35	23.18	23.24	23.7	0
10	QPSK	25	12	23.12	23.03	23.27	23.10	23.09		
10	QPSK	25	25	23.20	23.02	23.26	23.02	23.09		
10	QPSK	50	0	23.20	23.10	23.31	23.23	23.19		
10	16QAM	1	0	23.19	23.19	23.28	23.04	23.16	23.7	0
10	16QAM	1	25	23.03	23.10	23.17	23.12	23.15		
10	16QAM	1	49	23.19	23.13	23.18	23.05	23.10		
10	16QAM	25	0	23.02	23.09	23.12	23.18	23.07	23.7	0
10	16QAM	25	12	23.11	23.04	23.15	22.93	23.05		
10	16QAM	25	25	23.00	23.03	23.10	22.92	23.03		
10	16QAM	50	0	22.97	23.04	23.16	23.05	23.08		
10	64QAM	1	0	22.91	22.90	23.01	22.88	23.02	23.7	0
10	64QAM	1	25	22.89	22.75	23.04	22.87	22.99		
10	64QAM	1	49	22.82	23.03	22.96	22.88	22.85		
10	64QAM	25	0	22.01	21.95	22.15	22.09	22.05	22.7	1
10	64QAM	25	12	22.08	21.90	22.17	21.85	22.03		
10	64QAM	25	25	22.03	22.10	22.07	21.93	21.94		
10	64QAM	50	0	22.07	22.03	22.12	22.06	21.95		
10	256QAM	1	0	20.29	20.11	20.39	20.22	20.21	20.7	3
10	256QAM	1	25	19.97	20.17	20.14	20.04	19.98		
10	256QAM	1	49	20.14	20.17	20.15	20.12	20.15		
10	256QAM	25	0	20.09	20.06	20.15	20.04	20.03	20.7	3
10	256QAM	25	12	20.03	20.00	20.08	19.99	19.96		
10	256QAM	25	25	19.89	19.90	20.05	19.93	19.96		
10	256QAM	50	0	20.00	20.03	20.07	20.05	19.95		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.20	23.20	23.39	23.24	23.19	24	0
5	QPSK	1	12	23.12	23.21	23.21	23.18	22.98		
5	QPSK	1	24	23.18	23.15	23.24	23.17	23.15		
5	QPSK	12	0	23.34	23.12	23.32	23.10	23.29	23.7	0
5	QPSK	12	7	23.17	23.06	23.32	23.17	23.19		
5	QPSK	12	13	23.13	23.12	23.21	23.04	23.18		
5	QPSK	25	0	23.27	23.16	23.29	23.24	23.21		
5	16QAM	1	0	23.25	23.15	23.21	23.09	23.12	23.7	0
5	16QAM	1	12	23.01	23.11	23.22	23.12	23.22		
5	16QAM	1	24	23.12	23.18	23.24	23.11	23.14		
5	16QAM	12	0	23.08	23.14	23.18	23.18	23.06	23.7	0
5	16QAM	12	7	23.11	23.02	23.17	22.99	23.01		
5	16QAM	12	13	22.97	23.08	23.12	22.98	23.07		
5	16QAM	25	0	23.04	22.99	23.12	23.02	23.08		
5	64QAM	1	0	22.97	22.86	23.00	22.96	23.03	23.7	0
5	64QAM	1	12	22.96	22.83	22.97	22.86	22.92		
5	64QAM	1	24	22.92	23.03	22.95	22.88	22.84		
5	64QAM	12	0	22.02	21.93	22.09	22.08	22.13	22.7	1
5	64QAM	12	7	22.05	21.99	22.16	21.87	22.06		
5	64QAM	12	13	22.03	22.01	22.08	21.97	21.94		
5	64QAM	25	0	22.00	22.06	22.03	22.04	21.98		
5	256QAM	1	0	20.33	20.16	20.37	20.26	20.22	20.7	3
5	256QAM	1	12	19.98	20.12	20.18	20.09	19.98		
5	256QAM	1	24	20.12	20.16	20.15	20.12	20.15		
5	256QAM	12	0	20.07	20.04	20.07	19.98	20.01	20.7	3
5	256QAM	12	7	19.97	20.04	20.11	19.92	19.99		
5	256QAM	12	13	19.89	19.99	19.96	19.87	19.93		
5	256QAM	25	0	19.93	20.09	20.00	20.03	19.88		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	23.32	23.37	23.34	23.27	24	0
20	QPSK	1	49	23.22	23.28	23.23	23.18		
20	QPSK	1	99	23.19	23.30	23.24	23.13		
20	QPSK	50	0	22.22	22.32	22.18	22.04	23	1
20	QPSK	50	24	22.15	22.24	22.15	22.04		
20	QPSK	50	50	22.24	22.27	22.20	22.15		
20	QPSK	100	0	22.13	22.22	22.18	22.15		
20	16QAM	1	0	21.97	22.15	22.03	21.94	23	1
20	16QAM	1	49	21.96	22.08	22.07	21.95		
20	16QAM	1	99	22.03	22.01	21.91	21.81		
20	16QAM	50	0	21.12	21.28	21.22	21.11	22	2
20	16QAM	50	24	21.11	21.19	21.09	21.04		
20	16QAM	50	50	21.13	21.26	21.13	21.01		
20	16QAM	100	0	21.13	21.23	21.22	21.13		
20	64QAM	1	0	21.02	21.20	21.09	21.03	22	2
20	64QAM	1	49	20.92	21.08	21.12	20.97		
20	64QAM	1	99	21.14	21.17	21.06	20.98		
20	64QAM	50	0	20.20	20.30	20.22	20.14	21	3
20	64QAM	50	24	20.09	20.20	20.06	19.99		
20	64QAM	50	50	20.11	20.27	20.14	20.09		
20	64QAM	100	0	20.17	20.23	20.21	20.17		
20	256QAM	1	0	18.38	18.50	18.38	18.31	19	5
20	256QAM	1	49	18.30	18.27	18.24	18.19		
20	256QAM	1	99	18.25	18.38	18.32	18.18		
20	256QAM	50	0	18.17	18.21	18.10	17.95	19	5
20	256QAM	50	24	18.17	18.18	18.13	18.03		
20	256QAM	50	50	18.00	18.11	18.08	17.95		
20	256QAM	100	0	18.10	18.21	18.14	18.06		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	23.19	23.32	23.24	23.20	24	0
15	QPSK	1	37	23.09	23.17	23.11	23.12		
15	QPSK	1	74	23.04	23.18	23.18	22.98		
15	QPSK	36	0	22.12	22.19	22.11	21.96	23	1
15	QPSK	36	20	22.06	22.10	22.10	21.93		
15	QPSK	36	39	22.17	22.12	22.15	22.09		
15	QPSK	75	0	22.01	22.08	22.12	22.10		
15	16QAM	1	0	21.89	22.00	21.95	21.85	23	1
15	16QAM	1	37	21.90	22.00	22.00	21.92		
15	16QAM	1	74	21.98	21.94	21.82	21.67		
15	16QAM	36	0	20.97	21.19	21.14	21.03	22	2
15	16QAM	36	20	20.97	21.07	20.99	20.94		
15	16QAM	36	39	21.07	21.11	21.09	20.97		
15	16QAM	75	0	21.10	21.09	21.08	21.07		
15	64QAM	1	0	20.96	21.11	20.94	20.90	22	2
15	64QAM	1	37	20.81	20.99	21.03	20.85		
15	64QAM	1	74	20.99	21.10	21.01	20.86		
15	64QAM	36	0	20.08	20.21	20.13	20.04	21	3
15	64QAM	36	20	20.00	20.09	19.94	19.86		
15	64QAM	36	39	19.97	20.18	20.07	19.97		
15	64QAM	75	0	20.03	20.17	20.10	20.04		
15	256QAM	1	0	18.25	18.36	18.29	18.18	19	5
15	256QAM	1	37	18.25	18.17	18.11	18.10		
15	256QAM	1	74	18.19	18.25	18.29	18.14		
15	256QAM	36	0	18.08	18.16	18.02	17.83	19	5
15	256QAM	36	20	18.13	18.10	18.00	17.88		
15	256QAM	36	39	17.86	18.06	17.98	17.82		
15	256QAM	75	0	18.07	18.16	18.06	17.97		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	23.22	23.30	23.30	23.17	24	0
10	QPSK	1	25	23.10	23.20	23.13	23.12		
10	QPSK	1	49	23.10	23.25	23.17	23.10		
10	QPSK	25	0	22.18	22.27	22.07	21.95	23	1
10	QPSK	25	12	22.01	22.16	22.05	21.96		
10	QPSK	25	25	22.19	22.17	22.16	22.01		
10	QPSK	50	0	22.00	22.11	22.05	22.07		
10	16QAM	1	0	21.84	22.05	21.89	21.84	23	1
10	16QAM	1	25	21.91	22.02	21.93	21.84		
10	16QAM	1	49	21.89	21.95	21.84	21.68		
10	16QAM	25	0	21.01	21.18	21.13	20.97	22	2
10	16QAM	25	12	20.97	21.09	20.95	20.99		
10	16QAM	25	25	20.99	21.16	21.02	20.90		
10	16QAM	50	0	21.08	21.10	21.18	20.99		
10	64QAM	1	0	20.96	21.06	21.03	21.00	22	2
10	64QAM	1	25	20.86	21.03	20.98	20.91		
10	64QAM	1	49	21.03	21.04	20.96	20.88		
10	64QAM	25	0	20.12	20.16	20.13	20.11	21	3
10	64QAM	25	12	20.00	20.12	20.02	19.89		
10	64QAM	25	25	20.03	20.17	20.04	20.04		
10	64QAM	50	0	20.12	20.13	20.12	20.11		
10	256QAM	1	0	18.33	18.39	18.31	18.27	19	5
10	256QAM	1	25	18.17	18.16	18.21	18.07		
10	256QAM	1	49	18.20	18.25	18.20	18.10		
10	256QAM	25	0	18.03	18.12	18.05	17.83	19	5
10	256QAM	25	12	18.13	18.13	18.01	17.91		
10	256QAM	25	25	17.96	18.02	17.99	17.91		
10	256QAM	50	0	18.02	18.09	18.07	18.00		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	23.25	23.27	23.29	23.19	24	0
5	QPSK	1	12	23.16	23.16	23.15	23.11		
5	QPSK	1	24	23.12	23.21	23.10	23.07		
5	QPSK	12	0	22.08	22.26	22.09	21.90	23	1
5	QPSK	12	7	22.03	22.15	22.04	22.01		
5	QPSK	12	13	22.16	22.15	22.09	22.05		
5	QPSK	25	0	22.04	22.12	22.05	22.04		
5	16QAM	1	0	21.91	22.05	21.91	21.80	23	1
5	16QAM	1	12	21.87	21.94	21.93	21.83		
5	16QAM	1	24	21.89	21.93	21.87	21.72		
5	16QAM	12	0	21.04	21.23	21.08	21.06	22	2
5	16QAM	12	7	21.00	21.16	21.05	20.92		
5	16QAM	12	13	21.07	21.15	21.00	20.92		
5	16QAM	25	0	21.09	21.18	21.13	21.04		
5	64QAM	1	0	20.90	21.14	21.00	20.90	22	2
5	64QAM	1	12	20.88	20.99	21.02	20.83		
5	64QAM	1	24	21.07	21.11	20.94	20.83		
5	64QAM	12	0	20.14	20.16	20.16	20.09	21	3
5	64QAM	12	7	20.05	20.14	19.99	19.94		
5	64QAM	12	13	20.02	20.19	20.07	20.03		
5	64QAM	25	0	20.10	20.18	20.13	20.10		
5	256QAM	1	0	18.33	18.36	18.25	18.22	19	5
5	256QAM	1	12	18.18	18.15	18.15	18.13		
5	256QAM	1	24	18.13	18.29	18.25	18.10		
5	256QAM	12	0	18.06	18.09	18.00	17.92	19	5
5	256QAM	12	7	18.06	18.08	18.08	17.96		
5	256QAM	12	13	17.91	18.07	17.96	17.85		
5	256QAM	25	0	18.02	18.09	18.02	17.92		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.31	18.39	18.28	18.24	19.5	0
20	QPSK	1	49	18.22	18.33	18.21	18.15		
20	QPSK	1	99	18.12	18.24	18.18	18.16		
20	QPSK	50	0	18.29	18.31	18.20	18.19	19.5	0
20	QPSK	50	24	18.22	18.30	18.15	18.02		
20	QPSK	50	50	18.04	18.16	18.16	18.11		
20	QPSK	100	0	18.20	18.29	18.21	18.18		
20	16QAM	1	0	18.07	18.12	18.14	18.10	19.5	0
20	16QAM	1	49	18.10	18.11	18.16	18.16		
20	16QAM	1	99	18.16	18.18	18.03	18.15		
20	16QAM	50	0	18.05	18.07	18.08	18.10	19.5	0
20	16QAM	50	24	17.99	18.13	17.98	17.93		
20	16QAM	50	50	17.96	18.12	17.94	17.95		
20	16QAM	100	0	17.96	18.09	17.93	17.95		
20	64QAM	1	0	18.09	18.16	18.12	18.06	19.5	0
20	64QAM	1	49	18.00	18.10	18.06	18.10		
20	64QAM	1	99	18.18	18.23	18.02	18.09		
20	64QAM	50	0	18.11	18.25	18.16	18.09	19.5	0
20	64QAM	50	24	17.98	18.09	18.01	17.90		
20	64QAM	50	50	17.98	18.17	18.06	18.02		
20	64QAM	100	0	18.11	18.12	18.08	18.11		
20	256QAM	1	0	16.31	16.41	16.32	16.23	17.5	2
20	256QAM	1	49	16.15	16.13	16.17	16.15		
20	256QAM	1	99	16.21	16.35	16.19	16.14		
20	256QAM	50	0	16.05	16.15	16.03	15.91	17.5	2
20	256QAM	50	24	16.11	16.05	16.06	15.94		
20	256QAM	50	50	15.95	16.03	15.93	15.91		
20	256QAM	100	0	16.02	16.14	16.01	15.98		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.22	18.35	18.20	18.14	19.5	0
15	QPSK	1	37	18.12	18.21	18.11	18.10		
15	QPSK	1	74	18.06	18.15	18.08	18.10		
15	QPSK	36	0	18.19	18.20	18.10	18.14	19.5	0
15	QPSK	36	20	18.12	18.20	18.04	17.87		
15	QPSK	36	39	17.98	18.10	18.06	18.01		
15	QPSK	75	0	18.11	18.13	18.17	18.02		
15	16QAM	1	0	18.03	18.05	18.09	18.07	19.5	0
15	16QAM	1	37	17.96	18.06	18.11	18.05		
15	16QAM	1	74	18.02	18.04	17.90	18.04		
15	16QAM	36	0	17.93	18.03	17.97	18.01	19.5	0
15	16QAM	36	20	17.89	17.98	17.95	17.82		
15	16QAM	36	39	17.81	18.03	17.80	17.83		
15	16QAM	75	0	17.81	17.94	17.85	17.90		
15	64QAM	1	0	17.94	18.10	18.03	17.98	19.5	0
15	64QAM	1	37	17.84	18.06	17.92	17.94		
15	64QAM	1	74	18.01	18.13	17.87	17.95		
15	64QAM	36	0	18.07	18.16	18.02	17.95	19.5	0
15	64QAM	36	20	17.89	17.95	17.95	17.76		
15	64QAM	36	39	17.88	18.03	17.97	17.91		
15	64QAM	75	0	17.99	18.01	17.99	17.98		
15	256QAM	1	0	16.16	16.34	16.22	16.19	17.5	2
15	256QAM	1	37	16.05	15.98	16.04	16.01		
15	256QAM	1	74	16.10	16.31	16.07	16.10		
15	256QAM	36	0	15.91	16.04	15.88	15.88	17.5	2
15	256QAM	36	20	16.06	15.95	15.96	15.90		
15	256QAM	36	39	15.86	15.92	15.86	15.81		
15	256QAM	75	0	15.90	16.05	15.90	15.90		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.24	18.32	18.12	18.10	19.5	0
10	QPSK	1	25	18.07	18.25	18.16	18.05		
10	QPSK	1	49	18.09	18.15	18.13	18.04		
10	QPSK	25	0	18.22	18.16	18.04	18.10	19.5	0
10	QPSK	25	12	18.14	18.20	17.99	17.97		
10	QPSK	25	25	17.91	18.07	18.13	18.02		
10	QPSK	50	0	18.06	18.16	18.11	18.14		
10	16QAM	1	0	17.97	18.04	18.09	17.97	19.5	0
10	16QAM	1	25	17.99	17.95	18.07	18.04		
10	16QAM	1	49	18.09	18.08	17.97	18.02		
10	16QAM	25	0	17.99	17.90	18.01	18.02	19.5	0
10	16QAM	25	12	17.87	18.10	17.92	17.87		
10	16QAM	25	25	17.86	18.01	17.78	17.88		
10	16QAM	50	0	17.80	18.03	17.83	17.79		
10	64QAM	1	0	18.01	18.04	18.08	17.93	19.5	0
10	64QAM	1	25	17.89	17.97	17.97	18.04		
10	64QAM	1	49	18.12	18.12	17.88	18.02		
10	64QAM	25	0	18.08	18.13	18.07	18.05	19.5	0
10	64QAM	25	12	17.91	17.96	17.92	17.87		
10	64QAM	25	25	17.85	18.06	18.00	17.97		
10	64QAM	50	0	17.97	17.98	18.04	18.04		
10	256QAM	1	0	16.24	16.30	16.24	16.12	17.5	2
10	256QAM	1	25	16.03	16.02	16.03	16.03		
10	256QAM	1	49	16.12	16.25	16.15	16.02		
10	256QAM	25	0	15.98	16.02	15.89	15.85	17.5	2
10	256QAM	25	12	16.04	15.93	15.94	15.80		
10	256QAM	25	25	15.87	15.92	15.78	15.81		
10	256QAM	50	0	15.94	16.05	15.94	15.87		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.25	18.31	18.21	18.19	19.5	0
5	QPSK	1	12	18.10	18.25	18.05	18.03		
5	QPSK	1	24	18.05	18.11	18.12	18.12		
5	QPSK	12	0	18.14	18.18	18.11	18.08	19.5	0
5	QPSK	12	7	18.18	18.17	18.06	17.94		
5	QPSK	12	13	17.89	18.04	18.01	17.98		
5	QPSK	25	0	18.09	18.21	18.05	18.13		
5	16QAM	1	0	17.90	18.05	18.08	18.07	19.5	0
5	16QAM	1	12	18.03	18.07	18.08	18.11		
5	16QAM	1	24	18.11	18.08	17.92	18.09		
5	16QAM	12	0	17.94	18.01	17.97	18.05	19.5	0
5	16QAM	12	7	17.93	18.09	17.93	17.81		
5	16QAM	12	13	17.89	18.03	17.85	17.90		
5	16QAM	25	0	17.93	18.06	17.85	17.83		
5	64QAM	1	0	18.04	18.08	18.00	17.99	19.5	0
5	64QAM	1	12	17.90	17.98	18.01	17.96		
5	64QAM	1	24	18.06	18.18	17.94	18.02		
5	64QAM	12	0	17.97	18.19	18.05	18.05	19.5	0
5	64QAM	12	7	17.92	17.95	17.95	17.81		
5	64QAM	12	13	17.93	18.07	18.02	17.98		
5	64QAM	25	0	18.03	18.01	17.94	17.99		
5	256QAM	1	0	16.23	16.37	16.28	16.14	17.5	2
5	256QAM	1	12	16.05	16.01	16.11	16.11		
5	256QAM	1	24	16.13	16.23	16.05	16.02		
5	256QAM	12	0	15.99	16.02	15.91	15.81	17.5	2
5	256QAM	12	7	15.99	16.02	16.01	15.82		
5	256QAM	12	13	15.92	15.89	15.86	15.81		
5	256QAM	25	0	15.96	16.08	15.88	15.91		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3680	3609	3641	3690		
20	QPSK	1	0	21.31	21.36	21.34	21.27	22.5	0
20	QPSK	1	49	21.22	21.25	21.16	21.29		
20	QPSK	1	99	21.24	21.35	21.19	21.15		
20	QPSK	50	0	20.27	20.33	20.19	20.08	21.5	1
20	QPSK	50	24	20.21	20.21	20.08	20.05		
20	QPSK	50	50	20.23	20.30	20.18	20.19		
20	QPSK	100	0	20.15	20.36	20.26	20.21		
20	16QAM	1	0	19.98	20.24	20.09	20.01	21.5	1
20	16QAM	1	49	19.98	20.14	20.10	19.96		
20	16QAM	1	99	20.12	20.19	20.08	20.10		
20	16QAM	50	0	19.12	19.23	19.22	19.11	20.5	2
20	16QAM	50	24	19.17	19.23	19.07	19.03		
20	16QAM	50	50	19.16	19.21	19.14	19.01		
20	16QAM	100	0	19.21	19.24	19.24	19.15		
20	64QAM	1	0	19.07	19.29	19.12	18.98	20.5	2
20	64QAM	1	49	18.99	19.11	19.14	19.07		
20	64QAM	1	99	19.10	19.26	19.02	18.98		
20	64QAM	50	0	18.22	18.34	18.31	18.15	19.5	3
20	64QAM	50	24	18.05	18.17	18.07	18.03		
20	64QAM	50	50	18.10	18.31	18.23	18.14		
20	64QAM	100	0	18.22	18.21	18.20	18.18		
20	256QAM	1	0	16.43	16.54	16.40	16.36	17.5	5
20	256QAM	1	49	16.27	16.20	16.32	16.32		
20	256QAM	1	99	16.34	16.51	16.30	16.31		
20	256QAM	50	0	16.11	16.20	16.18	16.00	17.5	5
20	256QAM	50	24	16.22	16.11	16.15	16.11		
20	256QAM	50	50	16.04	16.11	16.00	16.08		
20	256QAM	100	0	16.18	16.25	16.15	16.14		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.21	21.28	21.20	21.16	22.5	0
15	QPSK	1	37	21.14	21.11	21.07	21.24		
15	QPSK	1	74	21.12	21.22	21.08	21.02		
15	QPSK	36	0	20.18	20.18	20.11	19.99	21.5	1
15	QPSK	36	20	20.14	20.13	20.04	19.91		
15	QPSK	36	39	20.14	20.16	20.11	20.09		
15	QPSK	75	0	20.03	20.25	20.17	20.10		
15	16QAM	1	0	19.94	20.13	20.00	19.87	21.5	1
15	16QAM	1	37	19.89	20.01	20.03	19.89		
15	16QAM	1	74	19.99	20.07	19.99	19.98		
15	16QAM	36	0	19.08	19.09	19.17	19.04	20.5	2
15	16QAM	36	20	19.02	19.19	18.93	18.99		
15	16QAM	36	39	19.03	19.13	19.00	18.87		
15	16QAM	75	0	19.11	19.15	19.20	19.10		
15	64QAM	1	0	18.92	19.15	18.98	18.88	20.5	2
15	64QAM	1	37	18.94	19.04	19.05	18.97		
15	64QAM	1	74	19.00	19.13	18.95	18.91		
15	64QAM	36	0	18.14	18.19	18.21	18.08	19.5	3
15	64QAM	36	20	17.97	18.14	17.96	17.94		
15	64QAM	36	39	18.00	18.17	18.13	18.09		
15	64QAM	75	0	18.09	18.13	18.13	18.06		
15	256QAM	1	0	16.36	16.40	16.34	16.30	17.5	5
15	256QAM	1	37	16.23	16.15	16.20	16.24		
15	256QAM	1	74	16.27	16.36	16.21	16.20		
15	256QAM	36	0	16.02	16.07	16.11	15.93	17.5	5
15	256QAM	36	20	16.14	16.01	16.03	16.03		
15	256QAM	36	39	16.00	16.03	15.89	15.95		
15	256QAM	75	0	16.07	16.14	16.07	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.27	21.32	21.23	21.22	22.5	0
10	QPSK	1	25	21.09	21.20	21.10	21.21		
10	QPSK	1	49	21.13	21.22	21.15	21.10		
10	QPSK	25	0	20.20	20.24	20.10	19.93	21.5	1
10	QPSK	25	12	20.18	20.16	19.94	19.94		
10	QPSK	25	25	20.09	20.22	20.12	20.11		
10	QPSK	50	0	20.09	20.27	20.22	20.11		
10	16QAM	1	0	19.91	20.12	19.99	19.94	21.5	1
10	16QAM	1	25	19.86	20.02	20.05	19.87		
10	16QAM	1	49	20.03	20.15	20.03	19.99		
10	16QAM	25	0	19.02	19.17	19.16	18.99	20.5	2
10	16QAM	25	12	19.12	19.11	18.94	19.00		
10	16QAM	25	25	19.03	19.08	19.07	18.89		
10	16QAM	50	0	19.14	19.13	19.12	19.07		
10	64QAM	1	0	18.92	19.16	19.08	18.85	20.5	2
10	64QAM	1	25	18.92	19.00	19.10	18.98		
10	64QAM	1	49	19.02	19.17	18.91	18.87		
10	64QAM	25	0	18.08	18.23	18.24	18.09	19.5	3
10	64QAM	25	12	17.95	18.09	17.92	17.93		
10	64QAM	25	25	18.05	18.24	18.18	18.03		
10	64QAM	50	0	18.12	18.07	18.15	18.06		
10	256QAM	1	0	16.35	16.48	16.30	16.33	17.5	5
10	256QAM	1	25	16.24	16.06	16.29	16.18		
10	256QAM	1	49	16.26	16.46	16.25	16.17		
10	256QAM	25	0	15.97	16.15	16.06	15.93	17.5	5
10	256QAM	25	12	16.16	16.02	16.04	16.03		
10	256QAM	25	25	16.00	16.03	15.93	15.98		
10	256QAM	50	0	16.12	16.19	16.11	16.02		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3645	3697.5		
5	QPSK	1	0	21.19	21.28	21.25	21.24	22.5	0
5	QPSK	1	12	21.12	21.17	21.03	21.25		
5	QPSK	1	24	21.16	21.28	21.09	21.04		
5	QPSK	12	0	20.20	20.24	20.14	19.93	21.5	1
5	QPSK	12	7	20.06	20.07	19.93	19.96		
5	QPSK	12	13	20.18	20.26	20.10	20.15		
5	QPSK	25	0	20.11	20.25	20.12	20.08		
5	16QAM	1	0	19.86	20.15	20.04	19.91	21.5	1
5	16QAM	1	12	19.84	20.01	19.98	19.90		
5	16QAM	1	24	20.08	20.05	20.04	20.06		
5	16QAM	12	0	19.05	19.18	19.15	19.06	20.5	2
5	16QAM	12	7	19.03	19.19	19.04	18.96		
5	16QAM	12	13	19.01	19.11	19.06	18.86		
5	16QAM	25	0	19.12	19.18	19.09	19.10		
5	64QAM	1	0	19.03	19.23	19.04	18.87	20.5	2
5	64QAM	1	12	18.92	19.02	19.00	18.96		
5	64QAM	1	24	19.01	19.14	18.96	18.83		
5	64QAM	12	0	18.14	18.21	18.19	18.01	19.5	3
5	64QAM	12	7	18.01	18.06	18.01	17.99		
5	64QAM	12	13	18.00	18.28	18.12	18.09		
5	64QAM	25	0	18.16	18.15	18.12	18.08		
5	256QAM	1	0	16.28	16.44	16.32	16.33	17.5	5
5	256QAM	1	12	16.20	16.17	16.29	16.19		
5	256QAM	1	24	16.23	16.46	16.25	16.26		
5	256QAM	12	0	16.02	16.16	16.15	15.86	17.5	5
5	256QAM	12	7	16.12	15.99	16.06	16.02		
5	256QAM	12	13	15.92	15.97	15.95	15.94		
5	256QAM	25	0	16.06	16.15	16.07	16.11		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3690		
20	QPSK	1	0	21.29	21.40	21.36	21.25	22.5	0
20	QPSK	1	49	21.17	21.25	21.13	21.30		
20	QPSK	1	99	21.15	21.34	21.13	21.12		
20	QPSK	50	0	20.19	20.38	20.21	20.04	21.5	1
20	QPSK	50	24	20.13	20.18	19.98	20.06		
20	QPSK	50	50	20.13	20.32	20.18	20.09		
20	QPSK	100	0	20.13	20.38	20.28	20.20		
20	16QAM	1	0	19.96	20.21	20.03	19.89	21.5	1
20	16QAM	1	49	19.92	20.04	20.13	19.94		
20	16QAM	1	99	20.00	20.15	20.04	20.04		
20	16QAM	50	0	19.05	19.18	19.17	19.15	20.5	2
20	16QAM	50	24	19.24	19.14	19.07	19.01		
20	16QAM	50	50	19.10	19.23	19.14	19.04		
20	16QAM	100	0	19.22	19.19	19.18	19.15		
20	64QAM	1	0	19.09	19.24	19.19	18.88	20.5	2
20	64QAM	1	49	19.06	19.02	19.15	19.09		
20	64QAM	1	99	19.05	19.19	18.92	19.02		
20	64QAM	50	0	18.18	18.34	18.33	18.08	19.5	3
20	64QAM	50	24	17.95	18.10	18.00	17.98		
20	64QAM	50	50	18.00	18.28	18.24	18.18		
20	64QAM	100	0	18.17	18.15	18.15	18.14		
20	256QAM	1	0	16.46	16.53	16.40	16.41	17.5	5
20	256QAM	1	49	16.23	16.10	16.31	16.25		
20	256QAM	1	99	16.27	16.51	16.25	16.23		
20	256QAM	50	0	16.11	16.10	16.07	15.89	17.5	5
20	256QAM	50	24	16.24	16.15	16.07	16.03		
20	256QAM	50	50	15.99	16.08	16.08	15.95		
20	256QAM	100	0	16.13	16.21	16.03	16.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	21.31	21.32	21.34	21.22	22.5	0
15	QPSK	1	37	21.09	21.26	21.08	21.30		
15	QPSK	1	74	21.23	21.25	21.21	21.15		
15	QPSK	36	0	20.22	20.32	20.20	20.01	21.5	1
15	QPSK	36	20	20.16	20.20	20.02	20.01		
15	QPSK	36	39	20.16	20.31	20.19	20.12		
15	QPSK	75	0	20.07	20.30	20.28	20.16		
15	16QAM	1	0	19.98	20.20	20.07	19.87	21.5	1
15	16QAM	1	37	19.90	20.05	20.12	19.93		
15	16QAM	1	74	20.05	20.25	20.06	20.01		
15	16QAM	36	0	19.08	19.25	19.22	19.12	20.5	2
15	16QAM	36	20	19.15	19.20	19.10	18.90		
15	16QAM	36	39	19.06	19.17	19.04	18.98		
15	16QAM	75	0	19.12	19.20	19.21	19.08		
15	64QAM	1	0	19.15	19.34	19.16	18.95	20.5	2
15	64QAM	1	37	19.05	19.12	19.18	19.06		
15	64QAM	1	74	19.07	19.17	18.91	19.02		
15	64QAM	36	0	18.22	18.39	18.31	18.13	19.5	3
15	64QAM	36	20	17.93	18.07	17.99	17.97		
15	64QAM	36	39	18.10	18.33	18.21	18.18		
15	64QAM	75	0	18.13	18.18	18.06	18.14		
15	256QAM	1	0	16.43	16.47	16.43	16.32	17.5	5
15	256QAM	1	37	16.23	16.08	16.27	16.27		
15	256QAM	1	74	16.32	16.41	16.24	16.25		
15	256QAM	36	0	16.03	16.12	16.11	15.96	17.5	5
15	256QAM	36	20	16.19	16.08	16.08	16.00		
15	256QAM	36	39	16.03	16.06	16.06	15.96		
15	256QAM	75	0	16.13	16.20	16.05	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3695		
10	QPSK	1	0	21.25	21.34	21.28	21.19	22.5	0
10	QPSK	1	25	21.16	21.19	21.06	21.32		
10	QPSK	1	49	21.17	21.31	21.11	21.13		
10	QPSK	25	0	20.17	20.30	20.21	20.03	21.5	1
10	QPSK	25	12	20.19	20.21	20.06	20.05		
10	QPSK	25	25	20.16	20.31	20.20	20.10		
10	QPSK	50	0	20.13	20.34	20.29	20.15		
10	16QAM	1	0	19.97	20.26	20.08	19.97	21.5	1
10	16QAM	1	25	19.87	20.12	20.04	19.89		
10	16QAM	1	49	20.06	20.17	19.97	20.03		
10	16QAM	25	0	19.08	19.20	19.24	19.10	20.5	2
10	16QAM	25	12	19.17	19.17	19.07	18.96		
10	16QAM	25	25	19.06	19.14	19.05	19.07		
10	16QAM	50	0	19.15	19.25	19.18	19.11		
10	64QAM	1	0	19.11	19.35	19.17	18.90	20.5	2
10	64QAM	1	25	19.00	19.10	19.17	19.03		
10	64QAM	1	49	19.03	19.25	18.91	18.91		
10	64QAM	25	0	18.24	18.40	18.31	18.09	19.5	3
10	64QAM	25	12	17.91	18.08	17.97	17.99		
10	64QAM	25	25	18.05	18.28	18.26	18.17		
10	64QAM	50	0	18.13	18.14	18.14	18.19		
10	256QAM	1	0	16.44	16.51	16.43	16.35	17.5	5
10	256QAM	1	25	16.31	16.08	16.27	16.22		
10	256QAM	1	49	16.23	16.40	16.34	16.28		
10	256QAM	25	0	16.02	16.09	16.11	15.99	17.5	5
10	256QAM	25	12	16.21	16.05	16.04	15.98		
10	256QAM	25	25	15.97	16.07	16.06	16.00		
10	256QAM	50	0	16.14	16.23	16.10	16.11		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3645	3697.5		
5	QPSK	1	0	21.14	21.34	21.29	21.20	22.5	0
5	QPSK	1	12	21.10	21.14	21.00	21.23		
5	QPSK	1	24	21.10	21.22	21.03	21.04		
5	QPSK	12	0	20.15	20.26	20.08	19.92	21.5	1
5	QPSK	12	7	20.07	20.08	19.85	19.94		
5	QPSK	12	13	20.08	20.18	20.08	19.95		
5	QPSK	25	0	20.04	20.33	20.17	20.07		
5	16QAM	1	0	19.93	20.13	19.96	19.82	21.5	1
5	16QAM	1	12	19.78	19.90	20.09	19.82		
5	16QAM	1	24	19.93	20.07	19.92	19.91		
5	16QAM	12	0	18.96	19.12	19.11	19.03	20.5	2
5	16QAM	12	7	19.16	19.11	19.02	18.95		
5	16QAM	12	13	19.01	19.09	19.05	18.94		
5	16QAM	25	0	19.10	19.10	19.07	19.07		
5	64QAM	1	0	19.04	19.20	19.15	18.75	20.5	2
5	64QAM	1	12	18.93	18.95	19.03	19.04		
5	64QAM	1	24	18.92	19.14	18.80	18.97		
5	64QAM	12	0	18.09	18.24	18.22	18.02	19.5	3
5	64QAM	12	7	17.85	17.99	17.93	17.91		
5	64QAM	12	13	17.91	18.13	18.19	18.08		
5	64QAM	25	0	18.07	18.05	18.09	18.03		
5	256QAM	1	0	16.41	16.39	16.35	16.37	17.5	5
5	256QAM	1	12	16.18	16.02	16.25	16.12		
5	256QAM	1	24	16.21	16.37	16.11	16.19		
5	256QAM	12	0	15.99	16.03	16.00	15.83	17.5	5
5	256QAM	12	7	16.21	16.12	15.96	15.97		
5	256QAM	12	13	15.87	16.04	16.01	15.87		
5	256QAM	25	0	15.99	16.11	15.89	16.14		

Reduced Power Mode for Main PA ECI5

GSM850 Ant0 ECI5

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	32.52	33.10	33.04	34.00	23.52	24.10	24.04	25.00
GPRS 1 Tx slot	32.95	33.13	33.08	34.00	23.95	24.13	24.06	25.00
GPRS 2 Tx slots	30.01	30.11	30.08	31.00	24.01	24.11	24.08	25.00
GPRS 3 Tx slots	28.27	28.31	28.17	29.00	24.01	24.05	23.91	24.74
GPRS 4 Tx slots	27.07	27.15	27.04	28.00	24.07	24.15	24.04	25.00
EDGE 1 Tx slot	27.19	27.32	27.29	28.00	18.19	18.32	18.29	19.00
EDGE 2 Tx slots	24.39	24.45	24.32	25.00	18.39	18.45	18.32	19.00
EDGE 3 Tx slots	22.60	22.71	22.57	23.50	18.34	18.45	18.31	19.24
EDGE 4 Tx slots	21.36	21.44	21.33	22.50	18.36	18.44	18.33	19.50

WCDMA V Ant0 ECI5

Band		WCDMA V			Tune-up Limit (dBm)
TX Channel		4132	4182	4233	
Rx Channel		4357	4407	4458	
Frequency (MHz)		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	24.34	24.35	24.28	25.00
3GPP Rel 99	RMC 12.2Kbps	24.37	24.42	24.34	25.00
3GPP Rel 6	HSDPA Subtest-1	23.38	23.45	23.49	24.00
3GPP Rel 6	HSDPA Subtest-2	23.47	23.43	23.42	24.00
3GPP Rel 6	HSDPA Subtest-3	22.90	23.05	23.02	23.50
3GPP Rel 6	HSDPA Subtest-4	22.90	22.88	22.82	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	23.32	23.40	23.52	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	23.36	23.50	23.27	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	22.79	22.86	22.85	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	22.78	22.93	22.86	23.50
3GPP Rel 6	HSUPA Subtest-1	23.22	23.37	23.36	24.00
3GPP Rel 6	HSUPA Subtest-2	21.40	21.45	21.43	22.00
3GPP Rel 6	HSUPA Subtest-3	22.41	22.58	22.47	23.00
3GPP Rel 6	HSUPA Subtest-4	21.39	21.39	21.33	22.00
3GPP Rel 6	HSUPA Subtest-5	23.25	23.51	23.37	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	20.94	21.09	21.05	21.50

Band 5 Ant0 ECI5

BW [MHz]	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	25.28	25.35	25.31	25.7	0
10	QPSK	1	25	25.21	25.27	25.18		
10	QPSK	1	49	25.19	25.33	25.29		
10	QPSK	25	0	24.15	24.28	24.22	24.7	1
10	QPSK	25	12	24.10	24.23	24.12		
10	QPSK	25	25	24.20	24.25	24.18		
10	QPSK	50	0	24.08	24.19	24.15		
10	16QAM	1	0	24.00	24.14	24.01	24.7	1
10	16QAM	1	25	24.01	24.10	24.00		
10	16QAM	1	49	23.97	24.05	23.94		
10	16QAM	25	0	23.16	23.26	23.22	23.7	2
10	16QAM	25	12	23.10	23.22	23.09		
10	16QAM	25	25	23.12	23.20	23.14		
10	16QAM	50	0	23.15	23.24	23.17		
10	64QAM	1	0	23.40	23.50	23.36	23.7	2
10	64QAM	1	25	23.31	23.43	23.40		
10	64QAM	1	49	23.44	23.49	23.38		
10	64QAM	25	0	22.16	22.25	22.22	22.7	3
10	64QAM	25	12	22.07	22.19	22.08		
10	64QAM	25	25	22.15	22.23	22.09		
10	64QAM	50	0	22.13	22.25	22.17		
10	256QAM	1	0	20.34	20.44	20.31	20.7	5
10	256QAM	1	25	20.26	20.29	20.24		
10	256QAM	1	49	20.28	20.38	20.29		
10	256QAM	25	0	20.17	20.25	20.12	20.7	5
10	256QAM	25	12	20.12	20.19	20.13		
10	256QAM	25	25	20.05	20.16	20.12		
10	256QAM	50	0	20.11	20.21	20.16		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	25.15	25.27	25.22	25.7	0
5	QPSK	1	12	25.17	25.14	25.15		
5	QPSK	1	24	25.05	25.29	25.20		
5	QPSK	12	0	24.11	24.23	24.18	24.7	1
5	QPSK	12	7	24.07	24.16	24.04		
5	QPSK	12	13	24.16	24.18	24.14		
5	QPSK	25	0	23.95	24.15	24.01		
5	16QAM	1	0	23.96	24.00	23.87	24.7	1
5	16QAM	1	12	23.87	24.04	23.89		
5	16QAM	1	24	23.87	23.93	23.90		
5	16QAM	12	0	23.12	23.22	23.13	23.7	2
5	16QAM	12	7	22.99	23.10	22.98		
5	16QAM	12	13	23.00	23.07	23.06		
5	16QAM	25	0	23.12	23.18	23.02		
5	64QAM	1	0	23.35	23.45	23.24	23.7	2
5	64QAM	1	12	23.18	23.30	23.28		
5	64QAM	1	24	23.34	23.39	23.31		
5	64QAM	12	0	22.03	22.10	22.09	22.7	3
5	64QAM	12	7	22.04	22.14	22.00		
5	64QAM	12	13	22.03	22.15	21.97		
5	64QAM	25	0	22.10	22.21	22.09		
5	256QAM	1	0	20.21	20.40	20.27	20.7	5
5	256QAM	1	12	20.11	20.25	20.18		
5	256QAM	1	24	20.19	20.32	20.25		
5	256QAM	12	0	20.08	20.15	20.03	20.7	5
5	256QAM	12	7	20.06	20.15	20.06		
5	256QAM	12	13	19.99	20.12	20.08		
5	256QAM	25	0	20.07	20.18	20.12		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	25.13	25.28	25.21	25.7	0
3	QPSK	1	8	25.15	25.22	25.10		
3	QPSK	1	14	25.08	25.22	25.18		
3	QPSK	8	0	24.04	24.16	24.12	24.7	1
3	QPSK	8	4	23.96	24.16	24.02		
3	QPSK	8	7	24.10	24.15	24.11		
3	QPSK	15	0	24.00	24.08	24.11		
3	16QAM	1	0	23.92	24.04	23.97	24.7	1
3	16QAM	1	8	23.98	23.96	23.87		
3	16QAM	1	14	23.91	23.96	23.88		
3	16QAM	8	0	23.11	23.19	23.17	23.7	2
3	16QAM	8	4	23.04	23.19	23.03		
3	16QAM	8	7	23.03	23.09	23.06		
3	16QAM	15	0	23.03	23.11	23.06		
3	64QAM	1	0	23.27	23.44	23.32	23.7	2
3	64QAM	1	8	23.22	23.38	23.32		
3	64QAM	1	14	23.31	23.34	23.23		
3	64QAM	8	0	22.02	22.22	22.18	22.7	3
3	64QAM	8	4	22.00	22.15	22.02		
3	64QAM	8	7	22.11	22.09	21.97		
3	64QAM	15	0	22.06	22.15	22.12		
3	256QAM	1	0	20.29	20.33	20.16	20.7	5
3	256QAM	1	8	20.18	20.19	20.17		
3	256QAM	1	14	20.16	20.35	20.25		
3	256QAM	8	0	20.13	20.12	20.00	20.7	5
3	256QAM	8	4	20.00	20.10	19.98		
3	256QAM	8	7	19.95	20.05	19.98		
3	256QAM	15	0	20.01	20.15	20.04		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	25.23	25.29	25.18	25.7	0
1.4	QPSK	1	3	25.13	25.21	25.04		
1.4	QPSK	1	5	25.16	25.27	25.24		
1.4	QPSK	3	0	25.22	25.23	25.20		
1.4	QPSK	3	1	25.17	25.24	25.15		
1.4	QPSK	3	3	25.05	25.26	25.25		
1.4	QPSK	6	0	24.06	24.14	24.17	24.7	1
1.4	16QAM	1	0	23.95	24.10	24.01	24.7	1
1.4	16QAM	1	3	24.15	24.13	24.11		
1.4	16QAM	1	5	23.99	24.13	24.05		
1.4	16QAM	3	0	23.89	24.02	23.93		
1.4	16QAM	3	1	23.89	24.00	23.92		
1.4	16QAM	3	3	23.84	24.01	23.83		
1.4	16QAM	6	0	23.12	23.13	23.14	23.7	2
1.4	64QAM	1	0	22.96	23.18	22.96	23.7	2
1.4	64QAM	1	3	22.97	23.10	23.10		
1.4	64QAM	1	5	23.12	23.09	23.12		
1.4	64QAM	3	0	23.26	23.36	23.31		
1.4	64QAM	3	1	23.22	23.35	23.36		
1.4	64QAM	3	3	23.31	23.35	23.23		
1.4	64QAM	6	0	22.04	22.22	22.07	22.7	3
1.4	256QAM	1	0	20.21	20.40	20.16	20.7	5
1.4	256QAM	1	3	20.13	20.21	20.17		
1.4	256QAM	1	5	20.16	20.34	20.16		
1.4	256QAM	3	0	20.03	20.22	19.98		
1.4	256QAM	3	1	20.06	20.16	20.00		
1.4	256QAM	3	3	19.98	20.04	20.05		
1.4	256QAM	6	0	19.96	20.13	20.03	20.7	5

GSM850 Ant1 ECI5

GSM850	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	128	189	251		128	189	251	
Frequency (MHz)	824.2	836.4	848.8		824.2	836.4	848.8	
GSM 1 Tx slot	33.12	33.25	33.23	34.50	24.12	24.25	24.23	25.50
GPRS 1 Tx slot	33.14	33.27	33.26	34.50	24.14	24.27	24.26	25.50
GPRS 2 Tx slots	30.14	30.29	30.15	31.50	24.14	24.29	24.15	25.50
GPRS 3 Tx slots	28.39	28.49	28.42	29.50	24.13	24.23	24.16	25.24
GPRS 4 Tx slots	27.26	27.35	27.24	28.50	24.26	24.35	24.24	25.50
EDGE 1 Tx slot	27.41	27.48	27.41	28.50	18.41	18.48	18.41	19.50
EDGE 2 Tx slots	24.60	24.65	24.57	25.50	18.60	18.65	18.57	19.50
EDGE 3 Tx slots	22.78	22.86	22.80	23.50	18.52	18.60	18.54	19.24
EDGE 4 Tx slots	21.51	21.64	21.54	22.50	18.51	18.64	18.54	19.50

GSM1900 Ant1 ECI5

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	25.91	26.21	26.17	28.00	16.91	17.21	17.17	19.00
GPRS 1 Tx slot	25.92	26.26	26.13	28.00	16.92	17.26	17.13	19.00
GPRS 2 Tx slots	22.93	23.31	23.18	25.00	16.93	17.31	17.18	19.00
GPRS 3 Tx slots	21.12	21.52	21.38	23.00	16.86	17.26	17.12	18.74
GPRS 4 Tx slots	20.12	20.30	20.18	22.00	17.12	17.30	17.18	19.00
EDGE 1 Tx slot	22.76	22.91	22.73	24.00	13.76	13.91	13.73	15.00
EDGE 2 Tx slots	19.57	19.60	19.42	21.00	13.57	13.60	13.42	15.00
EDGE 3 Tx slots	17.42	17.23	17.16	19.00	13.16	12.97	12.90	14.74
EDGE 4 Tx slots	15.60	15.61	15.82	17.00	12.60	12.61	12.82	14.00

WCDMA II Ant1 ECI5 | WCDMA IV Ant1 ECI5 | WCDMA V Ant1 ECI5

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)	WCDMA V			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513		4132	4182	4233	
Rx Channel		9662	9800	9938		1537	1638	1738		4357	4407	4458	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6		826.4	836.4	846.6	
3GPP Rel 99	AMR 12.2Kbps	17.39	17.45	17.41	19.00	17.98	18.09	18.03	19.50	23.66	23.74	23.69	25.00
3GPP Rel 99	RMC 12.2Kbps	17.46	17.48	17.44	19.00	18.00	18.12	18.06	19.50	23.68	23.79	23.72	25.00
3GPP Rel 6	HSDPA Subtest-1	16.26	16.28	16.37	18.00	16.86	17.00	16.92	18.50	22.62	22.73	22.64	24.00
3GPP Rel 6	HSDPA Subtest-2	16.28	16.37	16.16	18.00	16.83	16.91	16.81	18.50	22.59	22.55	22.60	24.00
3GPP Rel 6	HSDPA Subtest-3	15.84	15.87	15.82	17.50	16.47	16.54	16.35	18.00	22.09	22.16	22.09	23.50
3GPP Rel 6	HSDPA Subtest-4	15.69	15.90	15.92	17.50	16.30	16.47	16.44	18.00	22.05	22.19	22.10	23.50
3GPP Rel 8	DC-HSDPA Subtest-1	16.18	16.25	16.45	18.00	16.77	16.92	16.88	18.50	22.55	22.64	22.61	24.00
3GPP Rel 8	DC-HSDPA Subtest-2	16.24	16.35	16.25	18.00	16.79	16.91	16.84	18.50	22.47	22.56	22.60	24.00
3GPP Rel 8	DC-HSDPA Subtest-3	15.77	15.91	15.72	17.50	16.35	16.50	16.38	18.00	21.98	22.10	22.07	23.50
3GPP Rel 8	DC-HSDPA Subtest-4	15.64	15.76	15.68	17.50	16.25	16.40	16.32	18.00	21.96	22.05	22.08	23.50
3GPP Rel 6	HSUPA Subtest-1	16.11	16.14	16.33	18.00	16.70	16.81	16.90	18.50	22.45	22.51	22.57	24.00
3GPP Rel 6	HSUPA Subtest-2	14.37	14.31	14.36	16.00	14.97	14.89	14.96	16.50	20.64	20.59	20.67	22.00
3GPP Rel 6	HSUPA Subtest-3	15.44	15.42	15.41	17.00	15.93	16.00	15.98	17.50	21.59	21.77	21.73	23.00
3GPP Rel 6	HSUPA Subtest-4	14.37	14.27	14.14	16.00	14.96	14.89	14.68	16.50	20.62	20.56	20.54	22.00
3GPP Rel 6	HSUPA Subtest-5	16.18	16.26	16.27	18.00	16.84	16.86	16.83	18.50	22.46	22.58	22.48	24.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	13.94	13.86	13.92	15.50	14.53	14.53	14.48	16.00	20.12	20.27	20.22	21.50

Band 2 Ant1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.91	18.07	17.99		
20	QPSK	1	49	17.80	17.94	17.79	19	0
20	QPSK	1	99	17.90	17.89	17.83		
20	QPSK	50	0	18.04	18.05	17.87		
20	QPSK	50	24	17.68	17.85	17.79	19	0
20	QPSK	50	50	17.63	17.93	17.74		
20	QPSK	100	0	17.71	17.95	17.90		
20	16QAM	1	0	17.67	17.77	17.79		
20	16QAM	1	49	17.68	17.94	17.73	19	0
20	16QAM	1	99	17.87	17.81	17.86		
20	16QAM	50	0	17.83	17.90	17.76		
20	16QAM	50	24	17.58	17.85	17.68	19	0
20	16QAM	50	50	17.69	17.82	17.63		
20	16QAM	100	0	17.69	17.71	17.59		
20	64QAM	1	0	17.79	17.77	17.74		
20	64QAM	1	49	17.73	17.82	17.85	19	0
20	64QAM	1	99	17.70	17.95	17.86		
20	64QAM	50	0	17.64	17.70	17.66		
20	64QAM	50	24	17.94	17.87	17.95	19	0
20	64QAM	50	50	17.76	17.81	17.91		
20	64QAM	100	0	17.76	17.75	17.64		
20	256QAM	1	0	17.71	17.83	17.89		
20	256QAM	1	49	17.72	17.75	17.80	19	0
20	256QAM	1	99	17.72	17.97	17.75		
20	256QAM	50	0	17.82	17.91	17.74		
20	256QAM	50	24	17.54	17.71	17.60	19	0
20	256QAM	50	50	17.80	17.68	17.68		
20	256QAM	100	0	17.48	17.74	17.76		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.73	17.97	17.97		
15	QPSK	1	37	17.70	17.90	17.76	19	0
15	QPSK	1	74	17.70	17.71	17.71		
15	QPSK	36	0	17.88	17.83	17.87		
15	QPSK	36	20	17.67	17.69	17.68	19	0
15	QPSK	36	39	17.57	17.72	17.60		
15	QPSK	75	0	17.57	17.94	17.88		
15	16QAM	1	0	17.48	17.77	17.64		
15	16QAM	1	37	17.47	17.78	17.58	19	0
15	16QAM	1	74	17.73	17.65	17.83		
15	16QAM	36	0	17.75	17.74	17.56		
15	16QAM	36	20	17.41	17.72	17.58	19	0
15	16QAM	36	39	17.65	17.69	17.44		
15	16QAM	75	0	17.62	17.66	17.42		
15	64QAM	1	0	17.73	17.70	17.56		
15	64QAM	1	37	17.70	17.78	17.80	19	0
15	64QAM	1	74	17.52	17.75	17.77		
15	64QAM	36	0	17.47	17.58	17.60		
15	64QAM	36	20	17.79	17.82	17.73	19	0
15	64QAM	36	39	17.75	17.64	17.82		
15	64QAM	75	0	17.56	17.72	17.64		
15	256QAM	1	0	17.61	17.75	17.80		
15	256QAM	1	37	17.57	17.76	17.80	19	0
15	256QAM	1	74	17.73	17.78	17.73		
15	256QAM	36	0	17.77	17.73	17.56		
15	256QAM	36	20	17.43	17.64	17.56	19	0
15	256QAM	36	39	17.66	17.62	17.57		
15	256QAM	75	0	17.43	17.73	17.60		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.71	18.00	17.91		
10	QPSK	1	25	17.67	17.79	17.62	19	0
10	QPSK	1	49	17.81	17.78	17.63		
10	QPSK	25	0	17.87	17.99	17.72		
10	QPSK	25	12	17.60	17.68	17.79	19	0
10	QPSK	25	25	17.42	17.83	17.64		
10	QPSK	50	0	17.72	17.78	17.82		
10	16QAM	1	0	17.66	17.75	17.68		
10	16QAM	1	25	17.50	17.81	17.70	19	0
10	16QAM	1	49	17.83	17.59	17.78		
10	16QAM	25	0	17.81	17.88	17.77		
10	16QAM	25	12	17.36	17.78	17.54	19	0
10	16QAM	25	25	17.59	17.69	17.50		
10	16QAM	50	0	17.60	17.69	17.38		
10	64QAM	1	0	17.68	17.72	17.59		
10	64QAM	1	25	17.71	17.79	17.84	19	0
10	64QAM	1	49	17.52	17.86	17.84		
10	64QAM	25	0	17.64	17.56	17.58		
10	64QAM	25	12	17.95	17.69	17.94	19	0
10	64QAM	25	25	17.74	17.77	17.88		
10	64QAM	50	0	17.64	17.61	17.51		
10	256QAM	1	0	17.65	17.82	17.82		
10	256QAM	1	25	17.69	17.60	17.75	19	0
10	256QAM	1	49	17.52	17.94	17.57		
10	256QAM	25	0	17.64	17.71	17.58		
10	256QAM	25	12	17.33	17.62	17.56	19	0
10	256QAM	25	25	17.68	17.57	17.53		
10	256QAM	50	0	17.32	17.62	17.54		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.87	17.90	18.00		
5	QPSK	1	12	17.79	17.92	17.67	19	0
5	QPSK	1	24	17.91	17.84	17.77		
5	QPSK	12	0	17.88	17.90	17.81		
5	QPSK	12	7	17.62	17.76	17.76	19	0
5	QPSK	12	13	17.43	17.93	17.62		
5	QPSK	25	0	17.72	17.96	17.82		
5	16QAM	1	0	17.63	17.69	17.58		
5	16QAM	1	12	17.68	17.73	17.60	19	0
5	16QAM	1	24	17.81	17.77	17.85		
5	16QAM	12	0	17.78	17.85	17.70		
5	16QAM	12	7	17.55	17.74	17.56	19	0
5	16QAM	12	13	17.63	17.75	17.57		
5	16QAM	25	0	17.49	17.71	17.46		
5	64QAM	1	0	17.67	17.55	17.53		
5	64QAM	1	12	17.66	17.65	17.81	19	0
5	64QAM	1	24	17.54	17.82	17.68		
5	64QAM	12	0	17.48	17.61	17.54		
5	64QAM	12	7	17.88	17.78	17.89	19	0
5	64QAM	12	13	17.61	17.66	17.81		
5	64QAM	25	0	17.73	17.53	17.57		
5	256QAM	1	0	17.56	17.66	17.88		
5	256QAM	1	12	17.68	17.70	17.59	19	0
5	256QAM	1	24	17.96	17.77	17.74		
5	256QAM	12	0	17.83	17.79	17.63		
5	256QAM	12	7	17.40	17.62	17.53	19	0
5	256QAM	12	13	17.68	17.58	17.56		
5	256QAM	25	0	17.28	17.70	17.78		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.83	17.99	17.88		
3	QPSK	1	8	17.82	17.94	17.61	19	0
3	QPSK	1	14	17.78	17.68	17.82		
3	QPSK	8	0	17.85	17.84	17.70		
3	QPSK	8	4	17.54	17.87	17.57	19	0
3	QPSK	8	7	17.54	17.85	17.69		
3	QPSK	15	0	17.67	17.91	17.83		
3	16QAM	1	0	17.64	17.79	17.65		
3	16QAM	1	8	17.55	17.78	17.67	19	0
3	16QAM	1	14	17.80	17.65	17.78		
3	16QAM	8	0	17.79	17.75	17.75		
3	16QAM	8	4	17.49	17.81	17.50	19	0
3	16QAM	8	7	17.49	17.67	17.62		
3	16QAM	15	0	17.64	17.58	17.38		
3	64QAM	1	0	17.64	17.66	17.53		
3	64QAM	1	8	17.67	17.66	17.86	19	0
3	64QAM	1	14	17.58	17.82	17.65		
3	64QAM	8	0	17.48	17.51	17.54		
3	64QAM	8	4	17.81	17.81	17.90	19	0
3	64QAM	8	7	17.72	17.79	17.75		
3	64QAM	15	0	17.70	17.77	17.65		
3	256QAM	1	0	17.72	17.71	17.78		
3	256QAM	1	8	17.53	17.73	17.66	19	0
3	256QAM	1	14	17.72	17.79	17.67		
3	256QAM	8	0	17.67	17.73	17.68		
3	256QAM	8	4	17.38	17.51	17.50	19	0
3	256QAM	8	7	17.74	17.56	17.57		
3	256QAM	15	0	17.45	17.75	17.55		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.89	17.98	17.84		
1.4	QPSK	1	3	17.65	17.88	17.79		
1.4	QPSK	1	5	17.88	17.84	17.63	19	0
1.4	QPSK	3	0	18.05	17.99	17.66		
1.4	QPSK	3	1	17.66	17.82	17.75		
1.4	QPSK	3	3	17.54	17.94	17.71		
1.4	QPSK	6	0	17.64	17.84	17.78	19	0
1.4	16QAM	1	0	17.52	17.71	17.80		
1.4	16QAM	1	3	17.63	17.81	17.70		
1.4	16QAM	1	5	17.82	17.62	17.88	19	0
1.4	16QAM	3	0	17.67	17.74	17.67		
1.4	16QAM	3	1	17.39	17.71	17.53		
1.4	16QAM	3	3	17.54	17.72	17.58		
1.4	16QAM	6	0	17.58	17.71	17.40	19	0
1.4	64QAM	1	0	17.69	17.65	17.65		
1.4	64QAM	1	3	17.62	17.66	17.79		
1.4	64QAM	1	5	17.72	17.73	17.83	19	0
1.4	64QAM	3	0	17.55	17.69	17.48		
1.4	64QAM	3	1	17.87	17.85	17.95		
1.4	64QAM	3	3	17.70	17.78	17.81		
1.4	64QAM	6	0	17.65	17.56	17.51	19	0
1.4	256QAM	1	0	17.63	17.80	17.83		
1.4	256QAM	1	3	17.71	17.61	17.66		
1.4	256QAM	1	5	17.54	17.78	17.66	19	0
1.4	256QAM	3	0	17.66	17.83	17.58		
1.4	256QAM	3	1	17.46	17.67	17.51		
1.4	256QAM	3	3	17.74	17.64	17.67		
1.4	256QAM	6	0	17.46	17.62	17.78	19	0

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BW [MHz]	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	18.35	18.46	18.33		
20	QPSK	1	49	18.18	18.24	18.19	19.5	0
20	QPSK	1	99	18.14	18.26	18.20		
20	QPSK	50	0	18.29	18.39	18.25		
20	QPSK	50	24	18.09	18.34	18.22	19.5	0
20	QPSK	50	50	18.15	18.23	18.06		
20	QPSK	100	0	18.25	18.32	18.25		
20	16QAM	1	0	18.22	18.19	18.15		
20	16QAM	1	49	18.18	18.26	18.18	19.5	0
20	16QAM	1	99	18.07	18.26	18.04		
20	16QAM	50	0	17.94	18.13	17.97		
20	16QAM	50	24	18.03	18.08	18.07	19.5	0
20	16QAM	50	50	17.98	17.98	17.96		
20	16QAM	100	0	18.03	18.12	17.97		
20	64QAM	1	0	18.08	18.16	17.96		
20	64QAM	1	49	18.01	18.02	17.99	19.5	0
20	64QAM	1	99	18.13	18.06	18.01		
20	64QAM	50	0	18.06	18.11	18.04		
20	64QAM	50	24	18.25	18.24	18.20	19.5	0
20	64QAM	50	50	18.04	18.23	18.16		
20	64QAM	100	0	18.12	18.23	18.11		
20	256QAM	1	0	18.22	18.26	18.20		
20	256QAM	1	49	18.23	18.25	18.14	19.5	0
20	256QAM	1	99	18.24	18.20	18.26		
20	256QAM	50	0	18.09	18.28	18.00		
20	256QAM	50	24	17.94	18.14	18.07	19.5	0
20	256QAM	50	50	17.96	18.05	18.05		
20	256QAM	100	0	18.01	18.24	18.21		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	18.17	18.32	18.16		
15	QPSK	1	37	18.07	18.09	18.10	19.5	0
15	QPSK	1	74	18.09	18.27	18.10		
15	QPSK	36	0	18.10	18.22	18.11		
15	QPSK	36	20	18.07	18.22	18.13	19.5	0
15	QPSK	36	39	18.00	18.07	17.94		
15	QPSK	75	0	18.07	18.17	18.16		
15	16QAM	1	0	18.07	18.08	18.10		
15	16QAM	1	37	17.96	18.08	18.06	19.5	0
15	16QAM	1	74	18.03	18.10	18.02		
15	16QAM	36	0	17.95	18.01	18.00		
15	16QAM	36	20	18.03	18.01	17.94	19.5	0
15	16QAM	36	39	17.77	17.88	17.77		
15	16QAM	75	0	17.85	17.90	17.90		
15	64QAM	1	0	17.95	18.13	17.96		
15	64QAM	1	37	17.96	17.95	17.88	19.5	0
15	64QAM	1	74	18.06	18.01	17.93		
15	64QAM	36	0	17.96	17.97	17.91		
15	64QAM	36	20	18.11	18.19	18.03	19.5	0
15	64QAM	36	39	17.86	18.10	17.98		
15	64QAM	75	0	18.09	18.06	18.04		
15	256QAM	1	0	18.17	18.13	18.22		
15	256QAM	1	37	18.13	18.12	18.00	19.5	0
15	256QAM	1	74	18.14	18.13	18.09		
15	256QAM	36	0	18.08	18.18	17.83		
15	256QAM	36	20	17.92	17.97	17.88	19.5	0
15	256QAM	36	39	17.84	17.95	17.95		
15	256QAM	75	0	17.84	18.17	18.14		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	18.19	18.31	18.15		
10	QPSK	1	25	18.03	18.14	17.99	19.5	0
10	QPSK	1	49	18.01	18.22	18.08		
10	QPSK	25	0	18.12	18.21	18.12		
10	QPSK	25	12	17.95	18.25	18.08	19.5	0
10	QPSK	25	25	17.97	18.00	17.93		
10	QPSK	50	0	18.15	18.23	18.10		
10	16QAM	1	0	18.05	18.18	18.05		
10	16QAM	1	25	18.05	18.13	18.08	19.5	0
10	16QAM	1	49	17.99	18.06	18.05		
10	16QAM	25	0	17.88	18.01	17.91		
10	16QAM	25	12	17.99	17.89	18.07	19.5	0
10	16QAM	25	25	17.81	17.92	17.77		
10	16QAM	50	0	17.89	18.02	17.81		
10	64QAM	1	0	18.07	18.14	17.88		
10	64QAM	1	25	17.92	17.94	17.96	19.5	0
10	64QAM	1	49	18.00	17.93	17.96		
10	64QAM	25	0	17.89	18.02	17.96		
10	64QAM	25	12	18.15	18.13	18.03	19.5	0
10	64QAM	25	25	17.94	18.04	17.96		
10	64QAM	50	0	18.06	18.03	17.94		
10	256QAM	1	0	18.09	18.13	18.15		
10	256QAM	1	25	18.09	18.22	18.08	19.5	0
10	256QAM	1	49	18.08	18.07	18.05		
10	256QAM	25	0	18.04	18.13	17.83		
10	256QAM	25	12	17.86	18.01	17.87	19.5	0
10	256QAM	25	25	17.89	18.02	17.90		
10	256QAM	50	0	17.94	18.11	18.05		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	18.14	18.31	18.08		
5	QPSK	1	12	18.06	18.03	18.10	19.5	0
5	QPSK	1	24	18.07	18.27	18.06		
5	QPSK	12	0	18.08	18.20	18.15		
5	QPSK	12	7	18.02	18.18	18.01	19.5	0
5	QPSK	12	13	18.04	18.06	17.98		
5	QPSK	25	0	18.07	18.23	18.03		
5	16QAM	1	0	18.04	18.07	18.13		
5	16QAM	1	12	17.95	18.16	18.06	19.5	0
5	16QAM	1	24	17.94	18.15	17.94		
5	16QAM	12	0	17.96	18.08	17.89		
5	16QAM	12	7	17.90	17.94	18.02	19.5	0
5	16QAM	12	13	17.87	17.95	17.77		
5	16QAM	25	0	17.96	18.04	17.87		
5	64QAM	1	0	18.02	18.07	17.88		
5	64QAM	1	12	17.87	17.97	17.97	19.5	0
5	64QAM	1	24	18.00	17.97	17.89		
5	64QAM	12	0	17.86	17.97	17.89		
5	64QAM	12	7	18.07	18.14	18.05	19.5	0
5	64QAM	12	13	17.94	18.12	18.04		
5	64QAM	25	0	18.00	18.10	17.96		
5	256QAM	1	0	18.10	18.20	18.10		
5	256QAM	1	12	18.09	18.24	18.13	19.5	0
5	256QAM	1	24	18.11	18.20	18.07		
5	256QAM	12	0	18.02	18.13	17.83		
5	256QAM	12	7	17.88	17.98	17.98	19.5	0
5	256QAM	12	13	17.84	18.02	17.96		
5	256QAM	25	0	17.89	18.10	18.10		
Channel				19925	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	18.12	18.24	18.20		
3	QPSK	1	8	18.01	18.14	18.09	19.5	0
3	QPSK	1	14	18.11	18.19	18.12		
3	QPSK	8	0	18.13	18.27	18.17		
3	QPSK	8	4	18.07	18.14	18.01	19.5	0
3	QPSK	8	7	17.91	18.00	18.00		
3	QPSK	15	0	18.15	18.14	18.09		
3	16QAM	1	0	18.06	18.20	18.12		
3	16QAM	1	8	18.07	18.14	18.01	19.5	0
3	16QAM	1	14	18.02	18.07	18.00		
3	16QAM	8	0	17.92	18.12	17.96		
3	16QAM	8	4	18.01	17.99	18.02	19.5	0
3	16QAM	8	7	17.83	17.85	17.73		
3	16QAM	15	0	17.87	17.95	17.79		
3	64QAM	1	0	18.01	18.02	17.91		
3	64QAM	1	8	17.95	18.01	17.87	19.5	0
3	64QAM	1	14	18.07	18.00	17.94		
3	64QAM	8	0	17.93	17.97	17.87		
3	64QAM	8	4	18.14	18.18	18.05	19.5	0
3	64QAM	8	7	17.97	18.04	18.05		
3	64QAM	15	0	18.03	18.10	17.98		
3	256QAM	1	0	18.08	18.24	18.21		
3	256QAM	1	8	18.09	18.23	18.01	19.5	0
3	256QAM	1	14	18.03	18.15	18.05		
3	256QAM	8	0	18.04	18.10	17.95		
3	256QAM	8	4	17.84	17.98	17.85	19.5	0
3	256QAM	8	7	17.89	17.95	17.95		
3	256QAM	15	0	17.91	18.14	18.12		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	18.14	18.28	18.15		
1.4	QPSK	1	3	17.99	18.11	18.01		
1.4	QPSK	1	5	18.02	18.22	18.09	19.5	0
1.4	QPSK	3	0	18.15	18.17	18.11		
1.4	QPSK	3	1	18.07	18.20	18.12		
1.4	QPSK	3	3	17.91	18.01	18.03		
1.4	QPSK	6	0	18.10	18.12	18.09	19.5	0
1.4	16QAM	1	0	18.12	18.07	18.12		
1.4	16QAM	1	3	18.00	18.08	17.97		
1.4	16QAM	1	5	17.94	18.13	18.06	19.5	0
1.4	16QAM	3	0	17.84	18.04	17.95		
1.4	16QAM	3	1	17.92	18.00	17.93		
1.4	16QAM	3	3	17.88	17.94	17.81		
1.4	16QAM	6	0	17.86	17.97	17.87	19.5	0
1.4	64QAM	1	0	17.98	18.15	17.94		
1.4	64QAM	1	3	17.84	18.05	17.89		
1.4	64QAM	1	5	18.07	17.93	17.99	19.5	0
1.4	64QAM	3	0	17.85	18.02	17.88		
1.4	64QAM	3	1	18.15	18.24	18.07		
1.4	64QAM	3	3	17.86	18.10	17.98		
1.4	64QAM	6	0	18.03	18.11	17.99	19.5	0
1.4	256QAM	1	0	18.18	18.20	18.08		
1.4	256QAM	1	3	18.03	18.19	18.03		
1.4	256QAM	1	5	18.11	18.11	18.13	19.5	0
1.4	256QAM	3	0	17.98	18.15	17.93		
1.4	256QAM	3	1	17.85	18.01	17.88		
1.4	256QAM	3	3	17.84	18.03	17.96		
1.4	256QAM	6	0	17.92	18.13	18.05	19.5	0

Band 5 Ant1 ECI5

BW [MHz]	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	24.74	24.75	24.63		
10	QPSK	1	25	24.56	24.58	24.49	25.2	0
10	QPSK	1	49	24.50	24.66	24.57		
10	QPSK	25	0	24.01	24.10	24.01		
10	QPSK	25	12	23.94	24.04	23.98	24.7	0.5
10	QPSK	25	25	24.03	24.03	23.97		
10	QPSK	50	0	23.92	24.05	23.92		
10	16QAM	1	0	23.79	24.01	23.83		
10	16QAM	1	25	23.79	23.91	23.76	24.7	0.5
10	16QAM	1	49	23.81	23.87	23.72		
10	16QAM	25	0	22.98	23.06	23.08		
10	16QAM	25	12	22.97

Band 7 Ant1 ECI5

BW [MHz]	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	17.44	17.48	17.29	18.5	0
20	QPSK	1	49	17.22	17.31	17.23		
20	QPSK	1	99	17.27	17.46	17.32		
20	QPSK	50	0	17.33	17.41	17.23	18.5	0
20	QPSK	50	24	17.20	17.28	17.19		
20	QPSK	50	50	17.14	17.30	17.16		
20	QPSK	100	0	17.31	17.36	17.24		
20	16QAM	1	0	17.15	17.29	17.12	18.5	0
20	16QAM	1	49	17.24	17.31	17.20		
20	16QAM	1	99	17.29	17.29	17.22		
20	16QAM	50	0	17.12	17.24	17.13	18.5	0
20	16QAM	50	24	17.12	17.15	17.14		
20	16QAM	50	50	17.05	17.19	17.03		
20	16QAM	100	0	17.06	17.07	16.92		
20	64QAM	1	0	17.16	17.26	17.16	18.5	0
20	64QAM	1	49	17.13	17.23	17.18		
20	64QAM	1	99	17.18	17.23	17.12		
20	64QAM	50	0	17.11	17.29	17.17	18.5	0
20	64QAM	50	24	17.29	17.28	17.28		
20	64QAM	50	50	17.17	17.30	17.22		
20	64QAM	100	0	17.15	17.24	17.14		
20	256QAM	1	0	17.20	17.30	17.24	18.5	0
20	256QAM	1	49	17.13	17.30	17.07		
20	256QAM	1	99	17.17	17.23	17.17		
20	256QAM	50	0	17.18	17.17	17.11	18.5	0
20	256QAM	50	24	17.05	17.22	16.96		
20	256QAM	50	50	17.08	17.15	16.99		
20	256QAM	100	0	17.05	17.09	17.00		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	17.31	17.42	17.18	18.5	0
15	QPSK	1	37	17.08	17.20	17.09		
15	QPSK	1	74	17.20	17.30	17.20		
15	QPSK	36	0	17.21	17.31	17.14	18.5	0
15	QPSK	36	20	17.12	17.14	17.12		
15	QPSK	36	39	17.01	17.18	17.01		
15	QPSK	75	0	17.19	17.25	17.08		
15	16QAM	1	0	16.99	17.17	17.00	18.5	0
15	16QAM	1	37	17.12	17.21	17.04		
15	16QAM	1	74	17.14	17.23	17.12		
15	16QAM	36	0	17.02	17.09	17.09	18.5	0
15	16QAM	36	20	17.04	17.11	16.99		
15	16QAM	36	39	16.94	17.15	16.87		
15	16QAM	75	0	16.89	16.93	16.84		
15	64QAM	1	0	17.06	17.19	17.07	18.5	0
15	64QAM	1	37	17.07	17.16	17.13		
15	64QAM	1	74	17.04	17.11	16.98		
15	64QAM	36	0	16.96	17.15	17.12	18.5	0
15	64QAM	36	20	17.25	17.15	17.16		
15	64QAM	36	39	17.10	17.21	17.16		
15	64QAM	75	0	16.99	17.14	17.08		
15	256QAM	1	0	17.03	17.15	17.14	18.5	0
15	256QAM	1	37	17.07	17.27	16.92		
15	256QAM	1	74	17.06	17.07	17.01		
15	256QAM	36	0	17.03	17.11	17.05	18.5	0
15	256QAM	36	20	17.01	17.12	16.82		
15	256QAM	36	39	16.94	17.08	16.85		
15	256QAM	75	0	16.99	16.96	16.90		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	17.30	17.31	17.16	18.5	0
10	QPSK	1	25	17.14	17.15	17.19		
10	QPSK	1	49	17.19	17.34	17.15		
10	QPSK	25	0	17.29	17.30	17.09	18.5	0
10	QPSK	25	12	17.05	17.21	17.14		
10	QPSK	25	25	17.09	17.18	17.05		
10	QPSK	50	0	17.23	17.23	17.19		
10	16QAM	1	0	17.01	17.22	17.09	18.5	0
10	16QAM	1	25	17.19	17.23	17.12		
10	16QAM	1	49	17.14	17.21	17.11		
10	16QAM	25	0	16.98	17.13	17.03	18.5	0
10	16QAM	25	12	16.99	17.06	16.99		
10	16QAM	25	25	16.94	17.13	16.89		
10	16QAM	50	0	16.98	16.91	16.75		
10	64QAM	1	0	17.06	17.18	17.13	18.5	0
10	64QAM	1	25	17.01	17.11	17.06		
10	64QAM	1	49	17.02	17.08	17.04		
10	64QAM	25	0	17.00	17.18	17.07	18.5	0
10	64QAM	25	12	17.24	17.13	17.22		
10	64QAM	25	25	17.09	17.16	17.08		
10	64QAM	50	0	17.09	17.08	17.01		
10	256QAM	1	0	17.03	17.20	17.09	18.5	0
10	256QAM	1	25	17.06	17.14	17.01		
10	256QAM	1	49	17.04	17.07	17.13		
10	256QAM	25	0	17.05	17.08	17.02	18.5	0
10	256QAM	25	12	16.89	17.11	16.86		
10	256QAM	25	25	16.98	17.06	16.86		
10	256QAM	50	0	16.90	16.95	16.89		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	17.29	17.44	17.14	18.5	0
5	QPSK	1	12	17.16	17.17	17.18		
5	QPSK	1	24	17.12	17.29	17.24		
5	QPSK	12	0	17.17	17.26	17.09	18.5	0
5	QPSK	12	7	17.05	17.19	17.03		
5	QPSK	12	13	17.03	17.26	17.13		
5	QPSK	25	0	17.24	17.29	17.17		
5	16QAM	1	0	17.07	17.24	17.08	18.5	0
5	16QAM	1	12	17.16	17.21	17.07		
5	16QAM	1	24	17.24	17.21	17.10		
5	16QAM	12	0	17.04	17.21	17.10	18.5	0
5	16QAM	12	7	17.02	16.99	17.11		
5	16QAM	12	13	16.97	17.05	16.96		
5	16QAM	25	0	16.93	16.90	16.86		
5	64QAM	1	0	17.02	17.22	17.04	18.5	0
5	64QAM	1	12	17.05	17.13	17.02		
5	64QAM	1	24	17.07	17.08	17.02		
5	64QAM	12	0	17.07	17.20	17.11	18.5	0
5	64QAM	12	7	17.14	17.22	17.21		
5	64QAM	12	13	17.08	17.23	17.19		
5	64QAM	25	0	17.00	17.18	17.10		
5	256QAM	1	0	17.13	17.20	17.07	18.5	0
5	256QAM	1	12	17.02	17.22	16.99		
5	256QAM	1	24	17.12	17.07	17.11		
5	256QAM	12	0	17.14	17.08	17.07	18.5	0
5	256QAM	12	7	16.96	17.13	16.88		
5	256QAM	12	13	16.91	17.03	16.84		
5	256QAM	25	0	16.89	17.03	16.83		

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BW [MHz]	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	18.49	18.58	18.50	19.5	0
20	QPSK	1	49	18.43	18.42	18.41		
20	QPSK	1	99	18.49	18.55	18.37		
20	QPSK	50	0	18.40	18.57	18.48	19.5	0
20	QPSK	50	24	18.25	18.46	18.30		
20	QPSK	50	50	18.30	18.44	18.33		
20	QPSK	100	0	18.48	18.51	18.43		
20	16QAM	1	0	18.25	18.34	18.26	19.5	0
20	16QAM	1	49	18.28	18.33	18.21		
20	16QAM	1	99	18.32	18.50	18.20		
20	16QAM	50	0	18.22	18.33	18.35	19.5	0
20	16QAM	50	24	18.21	18.30	18.24		
20	16QAM	50	50	18.12	18.15	18.15		
20	16QAM	100	0	18.08	18.18	18.09		
20	64QAM	1	0	18.38	18.35	18.30	19.5	0
20	64QAM	1	49	18.22	18.31	18.11		
20	64QAM	1	99	18.29	18.35	18.25		
20	64QAM	50	0	18.23	18.32	18.29	19.5	0
20	64QAM	50	24	18.42	18.36	18.35		
20	64QAM	50	50	18.29	18.40	18.35		
20	64QAM	100	0	18.22	18.27	18.30		
20	256QAM	1	0	18.23	18.39	18.21	19.5	0
20	256QAM	1	49	18.23	18.28	18.21		
20	256QAM	1	99	18.27	18.28	18.25		
20	256QAM	50	0	18.26	18.33	18.17	19.5	0
20	256QAM	50	24	18.14	18.23	18.04		
20	256QAM	50	50	18.11	18.32	18.15		
20	256QAM	100	0	18.06	18.22	18.19		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	18.33	18.53	18.40	19.5	0
15	QPSK	1	37	18.36	18.34	18.41		
15	QPSK	1	74	18.30	18.49	18.23		
15	QPSK	36	0	18.32	18.45	18.22	19.5	0
15	QPSK	36	20	18.24	18.30	18.32		
15	QPSK	36	39	18.10	18.36	18.17		
15	QPSK	75	0	18.29	18.32	18.37		
15	16QAM	1	0	18.12	18.34	18.19	19.5	0
15	16QAM	1	37	18.24	18.26	18.17		
15	16QAM	1	74	18.30	18.35	18.13		
15	16QAM	36	0	18.13	18.19	18.26	19.5	0
15	16QAM	36	20	18.05	18.19	18.02		
15	16QAM	36	39	18.12	18.14	18.12		
15	16QAM	75	0	17.97	18.19	18.10		
15	64QAM	1	0	18.31	18.16	18.17	19.5	0
15	64QAM	1	37	18.10	18.20	18.06		
15	64QAM	1	74	18.19	18.22	18.17		
15	64QAM	36	0	18.18	18.20	18.17	19.5	0
15	64QAM	36	20	18.28	18.26	18.32		
15	64QAM	36	39	18.21	18.27	18.27		
15	64QAM	75	0	18.16	18.23	18.15		
15	256QAM	1	0	18.10	18.25	18.12	19.5	0
15	256QAM	1	37	18.12	18.13	18.21		
15	256QAM	1	74	18.20	18.24	18.16		
15	256QAM	36	0	18.15	18.13	18.07	19.5	0
15	256QAM	36	20	18.14	18.26	17.99		
15	256QAM	36	39	17.98	18.26	18.09		
15	256QAM	75	0	18.04	18.19	18.04		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	18.30	18.46	18.48	19.5	0
10	QPSK	1	25	18.26	18.46	18.30		
10	QPSK	1	49	18.34	18.39	18.25		
10	QPSK	25	0	18.20	18.46	18.18	19.5	0
10	QPSK	25	12	18.22	18.35	18.33		
10	QPSK	25	25	18.15	18.31	18.20		
10	QPSK	50	0	18.38	18.43	18.35		
10	16QAM	1	0	18.16	18.34	18.16	19.5	0
10	16QAM	1	25	18.11	18.23	18.19		
10	16QAM	1	49	18.26	18.31	18.15		
10	16QAM	25	0	18.16	18.16	18.16	19.5	0
10	16QAM	25	12	18.12	18.21	18.06		
10	16QAM	25	25	18.04	18.08	18.08		
10	16QAM	50	0	18.02	18.14	18.01		
10	64QAM	1	0	18.26	18.21	18.26	19.5	0
10	64QAM	1	25	18.20	18.31	18.10		
10	64QAM	1	49	18.18	18.20	18.16		
10	64QAM	25	0	18.07	18.25	18.16	19.5	0
10	64QAM	25	12	18.36	18.37	18.31		
10	64QAM	25	25	18.15	18.33	18.15		
10	64QAM	50	0	18.23	18.21	18.12	19.5	0
10	256QAM	1	0	18.15	18.25	18.06		
10	256QAM	1	25	18.16	18.11	18.12		
10	256QAM	1	49	18.12	18.18	18.03		
10	256QAM	25	0	18.22	18.20	18.06	19.5	0
10	256QAM	25	12	18.13	18.18	17.96		
10	256QAM	25	25	17.99	18.20	18.09		
10	256QAM	50	0	18.07	18.24	18.04		
Channel				131997	132322	132647	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	0	18.38	18.46	18.48	19.5	0
5	QPSK	1	12	18.25	18.35	18.35		
5	QPSK	1	24	18.36	18.44	18.29		
5	QPSK	12	0	18.28	18.49	18.18	19.5	0
5	QPSK	12	7	18.20	18.30	18.22		
5	QPSK	12	13	18.12	18.34	18.21		
5	QPSK	25	0	18.35	18.36	18.31		
5	16QAM	1	0	18.16	18.26	18.25	19.5	0
5	16QAM	1	12	18.23	18.21	18.15		
5	16QAM	1	24	18.20	18.29	18.18		
5	16QAM	12	0	18.07	18.21	18.21	19.5	0
5	16QAM	12	7	18.11	18.12	18.11		
5	16QAM	12	13	18.08	18.14	18.11		
5	16QAM	25	0	18.06	18.12	18.04		
5	64QAM	1	0	18.22	18.17	18.17	19.5	0
5	64QAM	1	12	18.19	18.28	18.07		
5	64QAM	1	24	18.21	18.23	18.20		
5	64QAM	12	0	18.08	18.26	18.21	19.5	0
5	64QAM	12	7	18.25	18.28	18.31		
5	64QAM	12	13	18.23	18.27	18.14		
5	64QAM	25	0	18.24	18.16	18.22		
5	256QAM	1	0	18.13	18.30	18.14	19.5	0
5	256QAM	1	12	18.13	18.25	18.10		
5	256QAM	1	24	18.21	18.23	18.07		
5	256QAM	12	0	18.28	18.25	18.10	19.5	0
5	256QAM	12	7	18.10	18.16	17.99		
5	256QAM	12	13	17.99	18.20	18.12		
5	256QAM	25	0	18.03	18.19	18.01		
Channel				131972	132322	132672	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1745	1778.5		
3	QPSK	1	0	18.32	18.52	18.36	19.5	0
3	QPSK	1	8	18.27	18.38	18.40		
3	QPSK	1	14	18.37	18.43	18.35		
3	QPSK	8	0	18.25	18.51	18.21	19.5	0
3	QPSK	8	4	18.22	18.31	18.22		
3	QPSK	8	7	18.17	18.31	18.25		
3	QPSK	15	0	18.35	18.35	18.29		
3	16QAM	1	0	18.18	18.34	18.18	19.5	0
3	16QAM	1	8	18.14	18.21	18.19		
3	16QAM	1	14	18.27	18.40	18.23		
3	16QAM	8	0	18.12	18.17	18.18	19.5	0
3	16QAM	8	4	18.04	18.17	18.08		
3	16QAM	8	7	18.08	18.10	18.13		
3	16QAM	15	0	18.02	18.10	18.08		
3	64QAM	1	0	18.31	18.21	18.14	19.5	0
3	64QAM	1	8	18.14	18.29	18.06		
3	64QAM	1	14	18.24	18.27	18.17		
3	64QAM	8	0	18.13	18.21	18.20	19.5	0
3	64QAM	8	4	18.37	18.26	18.22		
3	64QAM	8	7	18.29	18.28	18.26		
3	64QAM	15	0	18.11	18.14	18.19		
3	256QAM	1	0	18.11	18.26	18.14	19.5	0
3	256QAM	1	8	18.20	18.21	18.16		
3	256QAM	1	14	18.23	18.22	18.14		
3	256QAM	8	0	18.19	18.22	18.09	19.5	0
3	256QAM	8	4	18.07	18.23	17.94		
3	256QAM	8	7	18.06	18.19	18.08		
3	256QAM	15	0	17.94	18.13	18.08		
Channel				131979	132322	132665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1745	1779.3		
1.4	QPSK	1	0	18.39	18.54	18.42	19.5	0
1.4	QPSK	1	3	18.31	18.46	18.39		
1.4	QPSK	1	5	18.31	18.48	18.29		
1.4	QPSK	3	0	18.21	18.47	18.19		
1.4	QPSK	3	1	18.22	18.42	18.23		
1.4	QPSK	3	3	18.23	18.37	18.23		
1.4	QPSK	6	0	18.29	18.30	18.30	19.5	0
1.4	16QAM	1	0	18.20	18.31	18.20	19.5	0
1.4	16QAM	1	3	18.15	18.20	18.16		
1.4	16QAM	1	5	18.25	18.33	18.17		
1.4	16QAM	3	0	18.17	18.18	18.23		
1.4	16QAM	3	1	18.14	18.08	18.08		
1.4	16QAM	3	3	18.06	18.06	18.11		
1.4	16QAM	6	0	18.05	18.20	18.01	19.5	0
1.4	64QAM	1	0	18.34	18.29	18.16	19.5	0
1.4	64QAM	1	3	18.11	18.28	18.04		
1.4	64QAM	1	5	18.19	18.24	18.27		
1.4	64QAM	3	0	18.09	18.25	18.16		
1.4	64QAM	3	1	18.25	18.27	18.33		
1.4	64QAM	3	3	18.17	18.35	18.16		
1.4	64QAM	6	0	18.15	18.24	18.17	19.5	0
1.4	256QAM	1	0	18.17	18.27	18.11	19.5	0
1.4	256QAM	1	3	18.15	18.22	18.16		
1.4	256QAM	1	5	18.20	18.26	18.07		
1.4	256QAM	3	0	18.23	18.25	18.12		
1.4	256QAM	3	1	18.04	18.13	17.97		
1.4	256QAM	3	3	18.06	18.21	18.02		
1.4	256QAM	6	0	18.05	18.12	18.04	19.5	0

Band 38 Ant1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.85	19.94	19.88	20.5	0
20	QPSK	1	49	19.73	19.87	19.77		
20	QPSK	1	99	19.72	19.90	19.79		
20	QPSK	50	0	19.77	19.91	19.70	20.5	0
20	QPSK	50	24	19.63	19.78	19.74		
20	QPSK	50	50	19.64	19.78	19.70		
20	QPSK	100	0	19.70	19.86	19.72		
20	16QAM	1	0	19.69	19.83	19.72	20.5	0
20	16QAM	1	49	19.67	19.80	19.66		
20	16QAM	1	99	19.71	19.77	19.77		
20	16QAM	50	0	19.70	19.68	19.68	20.5	0
20	16QAM	50	24	19.64	19.67	19.63		
20	16QAM	50	50	19.56	19.72	19.56		
20	16QAM	100	0	19.58	19.56	19.52		
20	64QAM	1	0	19.74	19.83	19.64	20.5	0
20	64QAM	1	49	19.64	19.69	19.59		
20	64QAM	1	99	19.68	19.74	19.68		
20	64QAM	50	0	19.63	19.68	19.64	20.5	0
20	64QAM	50	24	19.83	19.83	19.75		
20	64QAM	50	50	19.60	19.82	19.77		
20	64QAM	100	0	19.61	19.72	19.62		
20	256QAM	1	0	19.74	19.87	19.83	20.5	0
20	256QAM	1	49	19.78	19.69	19.67		
20	256QAM	1	99	19.77	19.83	19.76		
20	256QAM	50	0	19.63	19.66	19.61	20.5	0
20	256QAM	50	24	19.56	19.63	19.62		
20	256QAM	50	50	19.46	19.64	19.56		
20	256QAM	100	0	19.57	19.70	19.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.81	19.88	19.79	20.5	0
15	QPSK	1	37	19.58	19.78	19.68		
15	QPSK	1	74	19.67	19.76	19.71		
15	QPSK	36	0	19.72	19.77	19.60	20.5	0
15	QPSK	36	20	19.57	19.75	19.63		
15	QPSK	36	39	19.59	19.70	19.54		
15	QPSK	75	0	19.66	19.77	19.64		
15	16QAM	1	0	19.53	19.80	19.56	20.5	0
15	16QAM	1	37	19.53	19.63	19.57		
15	16QAM	1	74	19.66	19.63	19.69		
15	16QAM	36	0	19.60	19.53	19.63	20.5	0
15	16QAM	36	20	19.60	19.55	19.53		
15	16QAM	36	39	19.41	19.66	19.48		
15	16QAM	75	0	19.48	19.46	19.42		
15	64QAM	1	0	19.66	19.73	19.49	20.5	0
15	64QAM	1	37	19.56	19.54	19.50		
15	64QAM	1	74	19.52	19.69	19.52		
15	64QAM	36	0	19.57	19.57	19.56	20.5	0
15	64QAM	36	20	19.69	19.74	19.61		
15	64QAM	36	39	19.47	19.71	19.69		
15	64QAM	75	0	19.45	19.58	19.57		
15	256QAM	1	0	19.70	19.74	19.79	20.5	0
15	256QAM	1	37	19.72	19.63	19.58		
15	256QAM	1	74	19.72	19.70	19.62		
15	256QAM	36	0	19.48	19.55	19.52	20.5	0
15	256QAM	36	20	19.49	19.54	19.55		
15	256QAM	36	39	19.37	19.58	19.50		
15	256QAM	75	0	19.46	19.66	19.56		
Channel				37900	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.70	19.82	19.76	20.5	0
10	QPSK	1	25	19.70	19.81	19.70		
10	QPSK	1	49	19.63	19.80	19.65		
10	QPSK	25	0	19.66	19.88	19.54	20.5	0
10	QPSK	25	12	19.47	19.67	19.64		
10	QPSK	25	25	19.48	19.68	19.58		
10	QPSK	50	0	19.60	19.81	19.65		
10	16QAM	1	0	19.65	19.76	19.66	20.5	0
10	16QAM	1	25	19.58	19.77	19.53		
10	16QAM	1	49	19.62	19.64	19.73		
10	16QAM	25	0	19.66	19.54	19.59	20.5	0
10	16QAM	25	12	19.60	19.61	19.50		
10	16QAM	25	25	19.45	19.59	19.52		
10	16QAM	50	0	19.43	19.49	19.37		
10	64QAM	1	0	19.62	19.79	19.51	20.5	0
10	64QAM	1	25	19.58	19.55	19.43		
10	64QAM	1	49	19.58	19.57	19.56		
10	64QAM	25	0	19.53	19.55	19.55	20.5	0
10	64QAM	25	12	19.80	19.75	19.63		
10	64QAM	25	25	19.46	19.66	19.69		
10	64QAM	50	0	19.55	19.59	19.50		
10	256QAM	1	0	19.68	19.81	19.71	20.5	0
10	256QAM	1	25	19.66	19.56	19.55		
10	256QAM	1	49	19.68	19.73	19.66		
10	256QAM	25	0	19.60	19.60	19.58	20.5	0
10	256QAM	25	12	19.42	19.56	19.54		
10	256QAM	25	25	19.34	19.50	19.45		
10	256QAM	50	0	19.44	19.64	19.56		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.82	19.84	19.74	20.5	0
5	QPSK	1	12	19.58	19.84	19.62		
5	QPSK	1	24	19.57	19.84	19.66		
5	QPSK	12	0	19.65	19.82	19.67	20.5	0
5	QPSK	12	7	19.51	19.74	19.65		
5	QPSK	12	13	19.54	19.67	19.54		
5	QPSK	25	0	19.58	19.73	19.57		
5	16QAM	1	0	19.64	19.74	19.65	20.5	0
5	16QAM	1	12	19.51	19.77	19.57		
5	16QAM	1	24	19.54	19.62	19.70		
5	16QAM	12	0	19.58	19.64	19.62	20.5	0
5	16QAM	12	7	19.56	19.63	19.56		
5	16QAM	12	13	19.52	19.59	19.42		
5	16QAM	25	0	19.42	19.40	19.35		
5	64QAM	1	0	19.63	19.79	19.61	20.5	0
5	64QAM	1	12	19.60	19.56	19.46		
5	64QAM	1	24	19.59	19.65	19.53		
5	64QAM	12	0	19.57	19.55	19.57	20.5	0
5	64QAM	12	7	19.71	19.72	19.70		
5	64QAM	12	13	19.46	19.72	19.63		
5	64QAM	25	0	19.50	19.57	19.57		
5	256QAM	1	0	19.62	19.83	19.77	20.5	0
5	256QAM	1	12	19.64	19.56	19.58		
5	256QAM	1	24	19.69	19.70	19.68		
5	256QAM	12	0	19.57	19.56	19.48	20.5	0
5	256QAM	12	7	19.47	19.48	19.50		
5	256QAM	12	13	19.42	19.49	19.44		
5	256QAM	25	0	19.49	19.62	19.54		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.40	20.43	20.49	20.37	20.35	20.7	0
20	QPSK	1	49	20.27	20.34	20.33	20.27	20.32		
20	QPSK	1	99	20.30	20.22	20.35	20.35	20.26		
20	QPSK	50	0	20.21	20.33	20.44	20.18	20.27	20.7	0
20	QPSK	50	24	20.23	20.20	20.30	20.16	20.13		
20	QPSK	50	50	20.12	20.09	20.32	20.25	20.12		
20	QPSK	100	0	20.32	20.26	20.38	20.21	20.30		
20	16QAM	1	0	20.22	20.19	20.27	20.20	20.16	20.7	0
20	16QAM	1	49	20.27	20.24	20.23	20.20	20.29		
20	16QAM	1	99	20.21	20.23	20.37	20.23	20.17		
20	16QAM	50	0	20.13	20.17	20.19	20.24	20.11	20.7	0
20	16QAM	50	24	20.12	20.16	20.17	20.09	20.12		
20	16QAM	50	50	20.01	20.11	20.08	20.08	20.04		
20	16QAM	100	0	20.06	20.10	20.09	19.98	20.08		
20	64QAM	1	0	20.20	20.25	20.23	20.12	20.18	20.7	0
20	64QAM	1	49	20.09	20.21	20.18	20.07	20.18		
20	64QAM	1	99	20.17	20.18	20.24	20.23	20.25		
20	64QAM	50	0	20.07	20.13	20.17	20.06	20.14	20.7	0
20	64QAM	50	24	20.21	20.30	20.40	20.27	20.22		
20	64QAM	50	50	20.15	20.17	20.26	20.17	20.10		
20	64QAM	100	0	20.18	20.16	20.14	20.10	20.07		
20	256QAM	1	0	20.30	20.27	20.34	20.23	20.32	20.7	0
20	256QAM	1	49	20.10	20.28	20.25	20.15	20.14		
20	256QAM	1	99	20.29	20.19	20.32	20.25	20.18		
20	256QAM	50	0	20.11	20.10	20.16	20.10	20.07	20.7	0
20	256QAM	50	24	20.01	20.03	20.15	20.05	20.00		
20	256QAM	50	50	20.06	19.96	20.10	20.10	19.99		
20	256QAM	100	0	20.08	20.12	20.16	20.18	20.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	20.29	20.29	20.44	20.23	20.27	21	0
15	QPSK	1	37	20.16	20.26	20.25	20.23	20.22		
15	QPSK	1	74	20.22	20.19	20.29	20.31	20.16		
15	QPSK	36	0	20.08	20.24	20.37	20.01	20.23	20.7	0
15	QPSK	36	20	20.14	20.10	20.19	20.01	20.02		
15	QPSK	36	39	19.96	19.93	20.23	20.11	20.02		
15	QPSK	75	0	20.28	20.14	20.32	20.04	20.17		
15	16QAM	1	0	20.05	20.05	20.11	20.07	20.01	20.7	0
15	16QAM	1	37	20.21	20.07	20.11	20.09	20.14		
15	16QAM	1	74	20.15	20.11	20.28	20.20	20.04		
15	16QAM	36	0	19.99	20.08	20.06	20.16	19.98	20.7	0
15	16QAM	36	20	20.01	20.07	20.12	20.04	20.04		
15	16QAM	36	39	19.97	20.07	19.92	20.05	19.93		
15	16QAM	75	0	19.97	19.97	20.06	19.87	19.91		
15	64QAM	1	0	20.14	20.12	20.10	19.99	20.09	20.7	0
15	64QAM	1	37	20.04	20.07	20.09	20.03	20.11		
15	64QAM	1	74	20.08	20.15	20.20	20.15	20.21		
15	64QAM	36	0	20.04	20.10	20.04	19.94	20.03	20.7	0
15	64QAM	36	20	20.06	20.22	20.31	20.21	20.14		
15	64QAM	36	39	19.99	20.04	20.19	20.02	20.03		
15	64QAM	75	0	20.09	20.01	20.01	19.93	19.90		
15	256QAM	1	0	20.22	20.15	20.24	20.16	20.22	20.7	0
15	256QAM	1	37	20.05	20.13	20.10	20.09	20.10		
15	256QAM	1	74	20.23	20.09	20.19	20.11	20.04		
15	256QAM	36	0	20.06	19.96	20.09	19.96	20.04	20.7	0
15	256QAM	36	20	19.87	19.98	20.06	19.98	19.96		
15	256QAM	36	39	19.96	19.90	20.03	20.01	19.90		
15	256QAM	75	0	19.99	19.99	20.03	20.04	20.00		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	20.28	20.36	20.38	20.31	20.22	21	0
10	QPSK	1	25	20.10	20.25	20.20	20.23	20.23		
10	QPSK	1	49	20.16	20.19	20.18	20.23	20.21		
10	QPSK	25	0	20.11	20.17	20.37	20.06	20.19	20.7	0
10	QPSK	25	12	20.18	20.09	20.13	20.11	20.03		
10	QPSK	25	25	19.98	20.00	20.19	20.11	20.06		
10	QPSK	50	0	20.22	20.22	20.35	20.05	20.15		
10	16QAM	1	0	20.19	20.08	20.19	20.11	20.04	20.7	0
10	16QAM	1	25	20.16	20.08	20.14	20.11	20.18		
10	16QAM	1	49	20.10	20.16	20.24	20.11	20.02		
10	16QAM	25	0	19.96	20.06	20.12	20.09	20.03	20.7	0
10	16QAM	25	12	19.95	20.00	20.12	19.97	20.02		
10	16QAM	25	25	19.92	20.02	20.04	20.02	19.89		
10	16QAM	50	0	19.98	20.06	19.94	19.90	19.99		
10	64QAM	1	0	20.08	20.14	20.11	20.00	20.11	20.7	0
10	64QAM	1	25	19.96	20.12	20.07	20.01	20.13		
10	64QAM	1	49	20.09	20.12	20.19	20.15	20.16		
10	64QAM	25	0	20.00	20.07	20.12	19.89	20.02	20.7	0
10	64QAM	25	12	19.96	20.12	20.25	20.12	20.10		
10	64QAM	25	25	20.10	20.08	20.23	20.08	20.05		
10	64QAM	50	0	20.07	20.02	20.07	20.03	20.02		
10	256QAM	1	0	20.17	20.14	20.26	20.13	20.24	20.7	0
10	256QAM	1	25	20.02	20.16	20.21	20.06	20.07		
10	256QAM	1	49	20.21	20.07	20.22	20.18	20.05		
10	256QAM	25	0	19.99	19.96	20.07	19.97	19.97	20.7	0
10	256QAM	25	12	19.93	19.96	20.01	19.99	19.90		
10	256QAM	25	25	19.93	19.82	20.00	20.05	19.86		
10	256QAM	50	0	19.94	20.06	20.04	20.13	20.07		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	20.26	20.36	20.40	20.21	20.21	21	0
5	QPSK	1	12	20.17	20.18	20.21	20.23	20.24		
5	QPSK	1	24	20.14	20.06	20.22	20.23	20.13		
5	QPSK	12	0	20.13	20.25	20.30	20.10	20.17	20.7	0
5	QPSK	12	7	20.16	20.13	20.17	20.08	19.96		
5	QPSK	12	13	19.98	19.98	20.19	20.08	20.08		
5	QPSK	25	0	20.24	20.17	20.23	20.10	20.18		
5	16QAM	1	0	20.11	20.15	20.22	20.10	20.03	20.7	0
5	16QAM	1	12	20.15	20.16	20.15	20.09	20.24		
5	16QAM	1	24	20.05	20.10	20.27	20.14	20.07		
5	16QAM	12	0	19.98	20.01	20.12	20.14	19.95	20.7	0
5	16QAM	12	7	19.99	20.12	20.03	19.97	19.97		
5	16QAM	12	13	19.97	19.97	19.99	19.92	19.93		
5	16QAM	25	0	19.98	19.99	19.97	19.88	20.03		
5	64QAM	1	0	20.08	20.13	20.07	19.97	20.14	20.7	0
5	64QAM	1	12	19.92	20.16	20.09	20.01	20.02		
5	64QAM	1	24	20.06	20.13	20.13	20.12	20.09		
5	64QAM	12	0	20.00	20.10	20.03	19.90	19.97	20.7	0
5	64QAM	12	7	20.15	20.18	20.26	20.13	20.11		
5	64QAM	12	13	20.03	20.05	20.22	20.03	19.95		
5	64QAM	25	0	20.08	20.08	20.07	19.95	19.98		
5	256QAM	1	0	20.25	20.18	20.20	20.11	20.17	20.7	0
5	256QAM	1	12	20.02	20.14	20.21	20.02	20.03		
5	256QAM	1	24	20.22	20.04	20.27	20.21	20.07		
5	256QAM	12	0	19.97	20.05	20.04	20.06	20.02	20.7	0
5	256QAM	12	7	19.88	19.91	20.07	19.91	19.93		
5	256QAM	12	13	19.93	19.84	19.95	19.97	19.85		
5	256QAM	25	0	19.95	20.03	20.05	20.13	19.98		

GSM1900 Ant2 EOS

GSM1900	Burst Average Power (dBm)			Tune-up Limit (dBm)	Frame-Average Power (dBm)			Tune-up Limit (dBm)
TX Channel	512	661	810		512	661	810	
Frequency (MHz)	1850.2	1880	1909.8		1850.2	1880	1909.8	
GSM 1 Tx slot	30.03	30.15	30.12	31.00	21.03	21.15	21.12	22.00
GPRS 1 Tx slot	30.06	30.16	30.14	31.00	21.06	21.16	21.14	22.00
GPRS 2 Tx slots	27.06	27.21	27.14	28.00	21.06	21.21	21.14	22.00
GPRS 3 Tx slots	25.35	25.46	25.37	26.00	21.09	21.20	21.11	21.74
GPRS 4 Tx slots	23.99	24.12	24.04	25.00	20.99	21.12	21.04	22.00
EDGE 1 Tx slot	26.42	26.50	26.38	27.00	17.42	17.50	17.38	18.00
EDGE 2 Tx slots	23.57	23.65	23.57	24.00	17.57	17.65	17.57	18.00
EDGE 3 Tx slots	21.46	21.51	21.36	22.00	17.20	17.25	17.10	17.74
EDGE 4 Tx slots	21.67	21.79	21.76	22.00	18.67	18.79	18.76	19.00

WCDMA II Ant2 EOS

WCDMA IV Ant2 EOS

Band		WCDMA II			Tune-up Limit (dBm)	WCDMA IV			Tune-up Limit (dBm)
TX Channel		9262	9400	9538		1312	1413	1513	
Rx Channel		9662	9800	9938		1537	1638	1738	
Frequency (MHz)		1852.4	1880	1907.6		1712.4	1732.6	1752.6	
3GPP Rel 99	AMR 12.2Kbps	21.37	21.43	21.40	22.00	21.96	22.00	21.92	23.00
3GPP Rel 99	RMC 12.2Kbps	21.38	21.49	21.47	22.00	21.96	22.03	21.97	23.00
3GPP Rel 6	HSDPA Subtest-1	20.42	20.39	20.46	21.00	20.99	21.01	20.96	22.00
3GPP Rel 6	HSDPA Subtest-2	20.29	20.45	20.33	21.00	20.94	21.01	20.83	22.00
3GPP Rel 6	HSDPA Subtest-3	19.92	20.04	19.94	20.50	20.32	20.51	20.47	21.50
3GPP Rel 6	HSDPA Subtest-4	19.82	19.90	19.97	20.50	20.24	20.42	20.41	21.50
3GPP Rel 8	DC-HSDPA Subtest-1	20.31	20.38	20.50	21.00	20.85	20.98	20.97	22.00
3GPP Rel 8	DC-HSDPA Subtest-2	20.26	20.40	20.36	21.00	20.84	20.90	20.83	22.00
3GPP Rel 8	DC-HSDPA Subtest-3	19.78	19.97	19.84	20.50	20.30	20.46	20.31	21.50
3GPP Rel 8	DC-HSDPA Subtest-4	19.73	19.90	19.86	20.50	20.22	20.37	20.45	21.50
3GPP Rel 6	HSUPA Subtest-1	20.33	20.35	20.30	21.00	20.71	20.85	20.78	22.00
3GPP Rel 6	HSUPA Subtest-2	18.33	18.42	18.29	19.00	18.91	18.93	18.95	20.00
3GPP Rel 6	HSUPA Subtest-3	19.45	19.54	19.49	20.00	19.95	19.96	20.06	21.00
3GPP Rel 6	HSUPA Subtest-4	18.30	18.49	18.36	19.00	18.75	18.93	18.74	20.00
3GPP Rel 6	HSUPA Subtest-5	20.26	20.48	20.32	21.00	20.74	20.89	20.78	22.00
3GPP Rel 7	HSPA+ (16QAM) Subtest-1	17.94	18.03	18.07	18.50	18.32	18.57	18.48	19.50

Band 4 Ant2 ECI5

BW [MHz]	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	21.94	21.98	21.91	22.7	0
20	QPSK	1	49	21.78	21.89	21.84		
20	QPSK	1	99	21.84	21.95	21.92		
20	QPSK	50	0	21.91	21.95	21.84		
20	QPSK	50	24	21.84	21.89	21.76		
20	QPSK	50	50	21.67	21.77	21.72		
20	QPSK	100	0	21.69	21.89	21.82		
20	16QAM	1	0	21.84	21.72	21.63		
20	16QAM	1	49	21.67	21.70	21.67		
20	16QAM	1	99	21.75	21.84	21.72		
20	16QAM	50	0	21.64	21.79	21.66		
20	16QAM	50	24	21.66	21.73	21.63		
20	16QAM	50	50	21.49	21.70	21.64		
20	16QAM	100	0	21.66	21.56	21.49		
20	64QAM	1	0	21.64	21.84	21.69		
20	64QAM	1	49	21.58	21.58	21.62		
20	64QAM	1	99	21.72	21.71	21.76		
20	64QAM	50	0	21.63	21.72	21.56		
20	64QAM	50	24	21.83	21.81	21.70		
20	64QAM	50	50	21.73	21.77	21.72		
20	64QAM	100	0	21.65	21.73	21.61		
20	256QAM	1	0	19.86	19.89	19.78		
20	256QAM	1	49	19.72	19.75	19.79	20.7	2
20	256QAM	1	99	19.74	19.93	19.82		
20	256QAM	50	0	19.73	19.82	19.60		
20	256QAM	50	24	19.62	19.76	19.68		
20	256QAM	50	50	19.62	19.73	19.65	20.7	2
20	256QAM	100	0	19.68	19.71	19.67		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	21.81	21.89	21.80		
15	QPSK	1	37	21.68	21.85	21.80	22.7	0
15	QPSK	1	74	21.68	21.89	21.80		
15	QPSK	36	0	21.71	21.86	21.69		
15	QPSK	36	20	21.75	21.87	21.64	22.7	0
15	QPSK	36	39	21.59	21.71	21.70		
15	QPSK	75	0	21.58	21.78	21.67		
15	16QAM	1	0	21.61	21.59	21.57		
15	16QAM	1	37	21.54	21.72	21.56	22.7	0
15	16QAM	1	74	21.67	21.78	21.65		
15	16QAM	36	0	21.58	21.71	21.49		
15	16QAM	36	20	21.51	21.60	21.50	22.7	0
15	16QAM	36	39	21.47	21.66	21.45		
15	16QAM	75	0	21.48	21.47	21.40		
15	64QAM	1	0	21.63	21.73	21.61		
15	64QAM	1	37	21.52	21.60	21.59	22.7	0
15	64QAM	1	74	21.59	21.63	21.55		
15	64QAM	36	0	21.57	21.63	21.56		
15	64QAM	36	20	21.70	21.82	21.67	22.7	0
15	64QAM	36	39	21.55	21.72	21.55		
15	64QAM	75	0	21.55	21.62	21.58		
15	256QAM	1	0	19.80	19.85	19.63		
15	256QAM	1	37	19.63	19.61	19.71	20.7	2
15	256QAM	1	74	19.67	19.87	19.69		
15	256QAM	36	0	19.66	19.73	19.45		
15	256QAM	36	20	19.48	19.68	19.60	20.7	2
15	256QAM	36	39	19.50	19.61	19.55		
15	256QAM	75	0	19.64	19.61	19.53		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	21.76	21.80	21.88		
10	QPSK	1	25	21.70	21.81	21.80	22.7	0
10	QPSK	1	49	21.65	21.91	21.72		
10	QPSK	25	0	21.75	21.79	21.76		
10	QPSK	25	12	21.73	21.75	21.66	22.7	0
10	QPSK	25	25	21.64	21.77	21.72		
10	QPSK	50	0	21.60	21.70	21.72		
10	16QAM	1	0	21.66	21.73	21.54		
10	16QAM	1	25	21.54	21.62	21.62	22.7	0
10	16QAM	1	49	21.66	21.80	21.73		
10	16QAM	25	0	21.59	21.61	21.57		
10	16QAM	25	12	21.61	21.57	21.54	22.7	0
10	16QAM	25	25	21.39	21.59	21.53		
10	16QAM	50	0	21.47	21.49	21.44		
10	64QAM	1	0	21.63	21.68	21.61		
10	64QAM	1	25	21.51	21.61	21.53	22.7	0
10	64QAM	1	49	21.53	21.67	21.59		
10	64QAM	25	0	21.50	21.62	21.45		
10	64QAM	25	12	21.75	21.75	21.62	22.7	0
10	64QAM	25	25	21.67	21.68	21.61		
10	64QAM	50	0	21.59	21.56	21.52		
10	256QAM	1	0	19.78	19.83	19.66		
10	256QAM	1	25	19.58	19.67	19.67	20.7	2
10	256QAM	1	49	19.65	19.81	19.78		
10	256QAM	25	0	19.68	19.70	19.49		
10	256QAM	25	12	19.55	19.67	19.56	20.7	2
10	256QAM	25	25	19.59	19.66	19.58		
10	256QAM	50	0	19.62	19.57	19.62		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	21.72	21.86	21.83		
5	QPSK	1	12	21.71	21.83	21.86	22.7	0
5	QPSK	1	24	21.69	21.80	21.81		
5	QPSK	12	0	21.73	21.79	21.66		
5	QPSK	12	7	21.68	21.80	21.70	22.7	0
5	QPSK	12	13	21.58	21.71	21.65		
5	QPSK	25	0	21.62	21.78	21.65		
5	16QAM	1	0	21.70	21.63	21.58		
5	16QAM	1	12	21.62	21.62	21.54	22.7	0
5	16QAM	1	24	21.62	21.79	21.70		
5	16QAM	12	0	21.60	21.67	21.49		
5	16QAM	12	7	21.61	21.65	21.43	22.7	0
5	16QAM	12	13	21.43	21.53	21.50		
5	16QAM	25	0	21.54	21.41	21.34		
5	64QAM	1	0	21.60	21.78	21.66		
5	64QAM	1	12	21.49	21.59	21.66	22.7	0
5	64QAM	1	24	21.57	21.68	21.61		
5	64QAM	12	0	21.53	21.57	21.55		
5	64QAM	12	7	21.72	21.77	21.62	22.7	0
5	64QAM	12	13	21.63	21.69	21.59		
5	64QAM	25	0	21.51	21.61	21.48		
5	256QAM	1	0	19.79	19.81	19.74		
5	256QAM	1	12	19.59	19.64	19.75	20.7	2
5	256QAM	1	24	19.61	19.87	19.70		
5	256QAM	12	0	19.61	19.73	19.57		
5	256QAM	12	7	19.48	19.70	19.61	20.7	2
5	256QAM	12	13	19.58	19.67	19.59		
5	256QAM	25	0	19.62	19.66	19.63		
Channel				19965	20175	20385	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	21.71	21.93	21.88		
3	QPSK	1	8	21.75	21.79	21.78	22.7	0
3	QPSK	1	14	21.70	21.78	21.77		
3	QPSK	8	0	21.74	21.82	21.76		
3	QPSK	8	4	21.67	21.75	21.65	22.7	0
3	QPSK	8	7	21.66	21.70	21.65		
3	QPSK	15	0	21.68	21.81	21.59		
3	16QAM	1	0	21.63	21.61	21.63		
3	16QAM	1	8	21.67	21.66	21.63	22.7	0
3	16QAM	1	14	21.60	21.75	21.65		
3	16QAM	8	0	21.54	21.69	21.48		
3	16QAM	8	4	21.59	21.66	21.50	22.7	0
3	16QAM	8	7	21.43	21.56	21.45		
3	16QAM	15	0	21.57	21.49	21.36		
3	64QAM	1	0	21.63	21.68	21.65		
3	64QAM	1	8	21.54	21.60	21.63	22.7	0
3	64QAM	1	14	21.54	21.71	21.65		
3	64QAM	8	0	21.58	21.58	21.50		
3	64QAM	8	4	21.76	21.74	21.66	22.7	0
3	64QAM	8	7	21.59	21.65	21.61		
3	64QAM	15	0	21.53	21.56	21.58		
3	256QAM	1	0	19.80	19.86	19.71		
3	256QAM	1	8	19.58	19.67	19.68	20.7	2
3	256QAM	1	14	19.69	19.87	19.67		
3	256QAM	8	0	19.58	19.74	19.45		
3	256QAM	8	4	19.51	19.69	19.54	20.7	2
3	256QAM	8	7	19.48	19.61	19.54		
3	256QAM	15	0	19.61	19.61	19.59		
Channel				19957	20175	20393	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	21.76	21.92	21.86		
1.4	QPSK	1	3	21.76	21.85	21.84		
1.4	QPSK	1	5	21.75	21.91	21.70	22.7	0
1.4	QPSK	3	0	21.73	21.77	21.69		
1.4	QPSK	3	1	21.75	21.88	21.76		
1.4	QPSK	3	3	21.65	21.69	21.59		
1.4	QPSK	6	0	21.70	21.72	21.61	22.7	0
1.4	16QAM	1	0	21.67	21.70	21.56		
1.4	16QAM	1	3	21.67	21.68	21.56		
1.4	16QAM	1	5	21.67	21.74	21.71	22.7	0
1.4	16QAM	3	0	21.49	21.71	21.55		
1.4	16QAM	3	1	21.57	21.60	21.54		
1.4	16QAM	3	3	21.46	21.64	21.58		
1.4	16QAM	6	0	21.44	21.44	21.40	22.7	0
1.4	64QAM	1	0	21.53	21.76	21.57		
1.4	64QAM	1	3	21.50	21.53	21.64		
1.4	64QAM	1	5	21.57	21.70	21.60	22.7	0
1.4	64QAM	3	0	21.47	21.59	21.45		
1.4	64QAM	3	1	21.68	21.79	21.69		
1.4	64QAM	3	3	21.62	21.65	21.62		
1.4	64QAM	6	0	21.49	21.63	21.47	22.7	0
1.4	256QAM	1	0	19.71	19.84	19.67		
1.4	256QAM	1	3	19.65	19.66	19.75		
1.4	256QAM	1	5	19.61	19.81	19.76	20.7	2
1.4	256QAM	3	0	19.66	19.77	19.51		
1.4	256QAM	3	1	19.49	19.67	19.54		
1.4	256QAM	3	3	19.54	19.63	19.50		
1.4	256QAM	6	0	19.57	19.64	19.59	20.7	2

Band 7 Ant2 ECI5

BW [MHz]	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	18.95	19.08	18.88	20.5	0
20	QPSK	1	49	18.84	18.94	18.74		
20	QPSK	1	99	18.90	18.97	18.83		
20	QPSK	50	0	18.91	19.04	18.78		
20	QPSK	50	24	18.88	18.94	18.81		
20	QPSK	50	50	18.75	18.90	18.87		
20	QPSK	100	0	18.80	18.96	18.87		
20	16QAM	1	0	18.76	18.90	18.85		
20	16QAM	1	49	18.87	18.89	18.76		
20	16QAM	1	99	18.84	18.92	18.78		
20	16QAM	50	0	18.81	18.78	18.75		
20	16QAM	50	24	18.70	18.77	18.69		
20	16QAM	50	50	18.65	18.78	18.72		
20	16QAM	100	0	18.72	18.75	18.50		
20	64QAM	1	0	18.88	18.91	18.72		
20	64QAM	1	49	18.69	18.75	18.68		
20	64QAM	1	99	18.80	18.83	18.75		
20	64QAM	50	0	18.66	18.76	18.70		
20	64QAM	50	24	18.85	19.00	18.91		
20	64QAM	50	50	18.73	18.86	18.86		
20	64QAM	100	0	18.71	18.79	18.79		
20	256QAM	1	0	18.94	19.04	18.95		
20	256QAM	1	49	18.78	18.88	18.92		
20	256QAM	1	99	18.80	19.02	18.90		
20	256QAM	50	0	18.79	18.97	18.73		
20	256QAM	50	24	18.79	18.81	18.73		
20	256QAM	50	50	18.71	18.82	18.73		
20	256QAM	100	0	18.73	18.78	18.73		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.85	18.97	18.75		
15	QPSK	1	37	18.68	18.88	18.69	20.5	0
15	QPSK	1	74	18.74	18.91	18.80		
15	QPSK	36	0	18.85	18.90	18.68		
15	QPSK	36	20	18.71	18.90	18.71	20.5	0
15	QPSK	36	39	18.60	18.83	18.79		
15	QPSK	75	0	18.63	18.90	18.76		
15	16QAM	1	0	18.70	18.85	18.72		
15	16QAM	1	37	18.75	18.80	18.66	20.5	0
15	16QAM	1	74	18.76	18.85	18.71		
15	16QAM	36	0	18.72	18.72	18.70		
15	16QAM	36	20	18.59	18.68	18.63	20.5	0
15	16QAM	36	39	18.60	18.65	18.69		
15	16QAM	75	0	18.58	18.61	18.50		
15	64QAM	1	0	18.79	18.74	18.68		
15	64QAM	1	37	18.56	18.60	18.68	20.5	0
15	64QAM	1	74	18.71	18.76	18.70		
15	64QAM	36	0	18.52	18.65	18.66		
15	64QAM	36	20	18.72	18.89	18.79	20.5	0
15	64QAM	36	39	18.64	18.77	18.74		
15	64QAM	75	0	18.61	18.74	18.64		
15	256QAM	1	0	18.87	18.99	18.91		
15	256QAM	1	37	18.72	18.75	18.79	20.5	0
15	256QAM	1	74	18.77	18.90	18.84		
15	256QAM	36	0	18.69	18.86	18.60		
15	256QAM	36	20	18.69	18.67	18.70	20.5	0
15	256QAM	36	39	18.62	18.71	18.69		
15	256QAM	75	0	18.64	18.75	18.60		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.88	19.00	18.73	20.5	0
10	QPSK	1	25	18.80	18.88	18.57		
10	QPSK	1	49	18.72	18.89	18.80		
10	QPSK	25	0	18.80	18.92	18.69		
10	QPSK	25	12	18.76	18.82	18.66	20.5	0
10	QPSK	25	25	18.63	18.85	18.82		
10	QPSK	50	0	18.72	18.89	18.75		
10	16QAM	1	0	18.61	18.86	18.76		
10	16QAM	1	25	18.83	18.85	18.64	20.5	0
10	16QAM	1	49	18.71	18.76	18.69		
10	16QAM	25	0	18.69	18.72	18.68		
10	16QAM	25	12	18.66	18.73	18.64	20.5	0
10	16QAM	25	25	18.55	18.65	18.76		
10	16QAM	50	0	18.63	18.71	18.56		
10	64QAM	1	0	18.73	18.66	18.72		
10	64QAM	1	25	18.55	18.66	18.73	20.5	0
10	64QAM	1	49	18.77	18.78	18.77		
10	64QAM	25	0	18.57	18.66	18.55		
10	64QAM	25	12	18.81	18.88	18.87	20.5	0
10	64QAM	25	25	18.62	18.78	18.75		
10	64QAM	50	0	18.57	18.63	18.74		
10	256QAM	1	0	18.90	18.93	18.86		
10	256QAM	1	25	18.74	18.80	18.86	20.5	0
10	256QAM	1	49	18.68	18.89	18.85		
10	256QAM	25	0	18.67	18.87	18.64		
10	256QAM	25	12	18.65	18.76	18.62	20.5	0
10	256QAM	25	25	18.56	18.67	18.59		
10	256QAM	50	0	18.65	18.74	18.67		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	18.79	18.95	18.78		
5	QPSK	1	12	18.75	18.77	18.62	20.5	0
5	QPSK	1	24	18.74	18.81	18.70		
5	QPSK	12	0	18.86	18.93	18.69		
5	QPSK	12	7	18.74	18.91	18.76	20.5	0
5	QPSK	12	13	18.64	18.84	18.70		
5	QPSK	25	0	18.68	18.83	18.81		
5	16QAM	1	0	18.62	18.85	18.74		
5	16QAM	1	12	18.77	18.83	18.59	20.5	0
5	16QAM	1	24	18.74	18.85	18.63		
5	16QAM	12	0	18.71	18.73	18.60		
5	16QAM	12	7	18.57	18.60	18.57	20.5	0
5	16QAM	12	13	18.57	18.67	18.66		
5	16QAM	25	0	18.60	18.71	18.64		
5	64QAM	1	0	18.83	18.72	18.59		
5	64QAM	1	12	18.60	18.67	18.55	20.5	0
5	64QAM	1	24	18.75	18.67	18.66		
5	64QAM	12	0	18.62	18.65	18.63		
5	64QAM	12	7	18.74	18.87	18.80	20.5	0
5	64QAM	12	13	18.65	18.72	18.80		
5	64QAM	25	0	18.61	18.71	18.76		
5	256QAM	1	0	18.86	18.99	18.87		
5	256QAM	1	12	18.71	18.76	18.79	20.5	0
5	256QAM	1	24	18.75	18.91	18.82		
5	256QAM	12	0	18.69	18.91	18.65		
5	256QAM	12	7	18.76	18.68	18.60	20.5	0
5	256QAM	12	13	18.64	18.74	18.58		
5	256QAM	25	0	18.62	18.65	18.66		

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BW [MHz]	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	21.52	21.59	21.49	22.2	0
20	QPSK	1	49	21.44	21.48	21.41		
20	QPSK	1	99	21.30	21.45	21.33		
20	QPSK	50	0	21.41	21.54	21.35		
20	QPSK	50	24	21.29	21.51	21.26		
20	QPSK	50	50	21.30	21.39	21.23		
20	QPSK	100	0	21.40	21.50	21.34		
20	16QAM	1	0	21.30	21.43	21.29		
20	16QAM	1	49	21.28	21.36	21.34		
20	16QAM	1	99	21.33	21.43	21.33		
20	16QAM	50	0	21.30	21.26	21.30		
20	16QAM	50	24	21.18	21.31	21.17		
20	16QAM	50	50	21.23	21.24	21.16		
20	16QAM	100	0	21.12	21.24	21.12		
20	64QAM	1	0	21.34	21.39	21.24		
20	64QAM	1	49	21.31	21.32	21.20	22.2	0
20	64QAM	1	99	21.26	21.41	21.29		
20	64QAM	50	0	21.27	21.39	21.23		
20	64QAM	50	24	21.43	21.44	21.30	22.2	0
20	64QAM	50	50	21.27	21.42	21.31		
20	64QAM	100	0	21.27	21.36	21.28		
20	256QAM	1	0	19.94	19.95	19.82		
20	256QAM	1	49	19.78	19.89	19.79	20.7	1.5
20	256QAM	1	99	19.80	19.94	19.82		
20	256QAM	50	0	19.67	19.82	19.64		
20	256QAM	50	24	19.65	19.70	19.74	20.7	1.5
20	256QAM	50	50	19.61	19.76	19.64		
20	256QAM	100	0	19.63	19.77	19.72		
Channel				132047	132322	132597	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	0	21.40	21.50	21.33		
15	QPSK	1	37	21.29	21.37	21.26	22.2	0
15	QPSK	1	74	21.16	21.40	21.29		
15	QPSK	36	0	21.27	21.49	21.22		
15	QPSK	36	20	21.21	21.35	21.20	22.2	0
15	QPSK	36	39	21.16	21.33	21.07		
15	QPSK	75	0	21.35	21.45	21.28		
15	16QAM	1	0	21.15	21.38	21.24		
15	16QAM	1	37	21.12	21.31	21.23	22.2	0
15	16QAM	1	74	21.24	21.34	21.24		
15	16QAM	36	0	21.23	21.18	21.17		
15	16QAM	36	20	21.13	21.19	21.11	22.2	0
15	16QAM	36	39	21.11	21.09	21.11		
15	16QAM	75	0	21.07	21.07	21.00		
15	64QAM	1	0	21.22	21.27	21.16		
15	64QAM	1	37	21.19	21.21	21.08	22.2	0
15	64QAM	1	74	21.18	21.29	21.14		
15	64QAM	36	0	21.15	21.33	21.17		
15	64QAM	36	20	21.38	21.32	21.17	22.2	0
15	64QAM	36	39	21.15	21.33	21.28		
15	64QAM	75	0	21.21	21.21	21.17		
15	256QAM	1	0	19.85	19.90	19.70		
15	256QAM	1	37	19.74	19.76	19.72	20.7	1.5
15	256QAM	1	74	19.74	19.80	19.72		
15	256QAM	36	0	19.57	19.71	19.51		
15	256QAM	36	20	19.52	19.56	19.63	20.7	1.5
15	256QAM	36	39	19.52	19.63	19.57		
15	256QAM	75	0	19.53	19.71	19.68		
Channel				132022	132322	132622	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	0	21.36	21.48	21.33	22.2	0
10	QPSK	1	25	21.38	21.31	21.38		
10	QPSK	1	49	21.15	21.38	21.27		
10	QPSK	25	0	21.31	21.48	21.31		
10	QPSK	25	12	21.15	21.37	21.22	22.2	0
10	QPSK	25	25	21.20	21.26	21.17		
10	QPSK	50	0	21.33	21.46	21.26		
10	16QAM	1	0	21.27	21.33	21.23		
10	16QAM	1	25	21.17	21.22	21.22	22.2	0
10	16QAM	1	49	21.27	21.28	21.22		
10	16QAM	25	0	21.25	21.13	21.24		
10	16QAM	25	12	21.14	21.20	21.07	22.2	0
10	16QAM	25	25	21.12	21.13	21.10		
10	16QAM	50

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	20.95	21.07	21.00	22.2	0
20	QPSK	1	49	20.89	20.99	20.79		
20	QPSK	1	99	20.92	21.02	20.82		
20	QPSK	50	0	20.92	21.01	20.95		
20	QPSK	50	24	20.83	20.94	20.86		
20	QPSK	50	50	20.78	20.95	20.87		
20	QPSK	100	0	20.89	20.98	20.82		
20	16QAM	1	0	20.74	20.84	20.79		
20	16QAM	1	49	20.87	20.83	20.77	22.2	0
20	16QAM	1	99	20.80	20.95	20.80		
20	16QAM	50	0	20.69	20.78	20.77		
20	16QAM	50	24	20.68	20.75	20.73	22.2	0
20	16QAM	50	50	20.62	20.70	20.70		
20	16QAM	100	0	20.60	20.71	20.51		
20	64QAM	1	0	20.76	20.84	20.74		
20	64QAM	1	49	20.70	20.79	20.71	22.2	0
20	64QAM	1	99	20.83	20.84	20.80		
20	64QAM	50	0	20.73	20.85	20.75		
20	64QAM	50	24	20.62	20.80	20.59	22.2	0
20	64QAM	50	50	20.72	20.84	20.71		
20	64QAM	100	0	20.75	20.86	20.73		
20	256QAM	1	0	19.39	19.51	19.38		
20	256QAM	1	49	19.26	19.33	19.34	20.7	1.5
20	256QAM	1	99	19.28	19.47	19.30		
20	256QAM	50	0	19.22	19.26	19.24		
20	256QAM	50	24	19.19	19.26	19.21	20.7	1.5
20	256QAM	50	50	19.13	19.25	19.14		
20	256QAM	100	0	19.21	19.25	19.23		
Channel				37525	38000	38175	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	0	20.88	21.01	20.89	22.2	0
15	QPSK	1	37	20.79	20.92	20.73		
15	QPSK	1	74	20.89	20.87	20.75		
15	QPSK	36	0	20.76	20.87	20.80		
15	QPSK	36	20	20.70	20.88	20.71	22.2	0
15	QPSK	36	39	20.69	20.81	20.80		
15	QPSK	75	0	20.77	20.82	20.72		
15	16QAM	1	0	20.63	20.76	20.65		
15	16QAM	1	37	20.73	20.68	20.61	22.2	0
15	16QAM	1	74	20.68	20.89	20.71		
15	16QAM	36	0	20.61	20.74	20.68		
15	16QAM	36	20	20.64	20.69	20.58	22.2	0
15	16QAM	36	39	20.47	20.54	20.65		
15	16QAM	75	0	20.45	20.61	20.46		
15	64QAM	1	0	20.60	20.71	20.62		
15	64QAM	1	37	20.63	20.64	20.58	22.2	0
15	64QAM	1	74	20.71	20.73	20.73		
15	64QAM	36	0	20.60	20.82	20.63		
15	64QAM	36	20	20.48	20.77	20.52	22.2	0
15	64QAM	36	39	20.63	20.80	20.67		
15	64QAM	75	0	20.64	20.78	20.65		
15	256QAM	1	0	19.29	19.48	19.28		
15	256QAM	1	37	19.22	19.22	19.23	20.7	1.5
15	256QAM	1	74	19.15	19.42	19.15		
15	256QAM	36	0	19.10	19.20	19.14		
15	256QAM	36	20	19.10	19.17	19.07	20.7	1.5
15	256QAM	36	39	19.02	19.13	19.04		
15	256QAM	75	0	19.11	19.17	19.12		
Channel				37600	38000	38200	Tune-up limit	MPR
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	0	20.98	21.03	20.92	22.2	0
10	QPSK	1	25	20.83	20.92	20.89		
10	QPSK	1	49	20.75	20.89	20.77		
10	QPSK	25	0	20.79	20.85	20.92		
10	QPSK	25	12	20.69	20.83	20.82	22.2	0
10	QPSK	25	25	20.64	20.87	20.79		
10	QPSK	50	0	20.79	20.82	20.71		
10	16QAM	1	0	20.63	20.79	20.72		
10	16QAM	1	25	20.82	20.68	20.64	22.2	0
10	16QAM	1	49	20.63	20.83	20.71		
10	16QAM	25	0	20.63	20.61	20.65		
10	16QAM	25	12	20.55	20.71	20.65	22.2	0
10	16QAM	25	25	20.55	20.57	20.65		
10	16QAM	50	0	20.44	20.60	20.35		
10	64QAM	1	0	20.65	20.74	20.70		
10	64QAM	1	25	20.59	20.63	20.59	22.2	0
10	64QAM	1	49	20.74	20.77	20.70		
10	64QAM	25	0	20.69	20.77	20.68		
10	64QAM	25	12	20.49	20.66	20.51	22.2	0
10	64QAM	25	25	20.57	20.72	20.62		
10	64QAM	50	0	20.63	20.81	20.69		
10	256QAM	1	0	19.34	19.38	19.32		
10	256QAM	1	25	19.23	19.28	19.30	20.7	1.5
10	256QAM	1	49	19.14	19.39	19.24		
10	256QAM	25	0	19.13	19.19	19.16		
10	256QAM	25	12	19.16	19.15	19.12	20.7	1.5
10	256QAM	25	25	18.99	19.21	19.02		
10	256QAM	50	0	19.13	19.11	19.12		
Channel				37775	38000	38225	Tune-up limit	MPR
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	20.87	21.00	20.93	22.2	0
5	QPSK	1	12	20.81	20.92	20.63		
5	QPSK	1	24	20.83	20.94	20.74		
5	QPSK	12	0	20.76	20.85	20.87		
5	QPSK	12	7	20.68	20.77	20.82	22.2	0
5	QPSK	12	13	20.64	20.86	20.82		
5	QPSK	25	0	20.80	20.90	20.71		
5	16QAM	1	0	20.69	20.78	20.70		
5	16QAM	1	12	20.76	20.76	20.73	22.2	0
5	16QAM	1	24	20.65	20.79	20.71		
5	16QAM	12	0	20.57	20.86	20.74		
5	16QAM	12	7	20.56	20.62	20.66	22.2	0
5	16QAM	12	13	20.54	20.61	20.66		
5	16QAM	25	0	20.49	20.63	20.39		
5	64QAM	1	0	20.61	20.67	20.66		
5	64QAM	1	12	20.64	20.74	20.58	22.2	0
5	64QAM	1	24	20.70	20.71	20.70		
5	64QAM	12	0	20.66	20.74	20.70		
5	64QAM	12	7	20.50	20.72	20.52	22.2	0
5	64QAM	12	13	20.64	20.80	20.68		
5	64QAM	25	0	20.70	20.74	20.69		
5	256QAM	1	0	19.34	19.36	19.30		
5	256QAM	1	12	19.17	19.27	19.31	20.7	1.5
5	256QAM	1	24	19.13	19.35	19.21		
5	256QAM	12	0	19.16	19.13	19.14		
5	256QAM	12	7	19.05	19.14	19.17	20.7	1.5
5	256QAM	12	13	19.03	19.14	19.09		
5	256QAM	25	0	19.15	19.18	19.11		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.39	22.41	22.46	22.36	22.32	23.2	0
20	QPSK	1	49	22.26	22.26	22.41	22.23	22.25		
20	QPSK	1	99	22.33	22.31	22.39	22.19	22.23		
20	QPSK	50	0	22.38	22.25	22.42	22.37	22.28		
20	QPSK	50	24	22.18	22.19	22.33	22.29	22.24		
20	QPSK	50	50	22.25	22.23	22.34	22.26	22.31		
20	QPSK	100	0	22.23	22.34	22.37	22.16	22.30		
20	16QAM	1	0	22.04	22.09	22.18	22.21	22.02		
20	16QAM	1	49	22.21	22.24	22.27	22.12	22.20	23.2	0
20	16QAM	1	99	22.17	22.22	22.28	22.14	22.13		
20	16QAM	50	0	22.14	22.03	22.24	22.17	22.17		
20	16QAM	50	24	22.10	22.15	22.20	22.18	22.13	23.2	0
20	16QAM	50	50	22.05	22.04	22.10	22.08	21.98		
20	16QAM	100	0	22.09	21.96	22.13	21.95	21.97		
20	64QAM	1	0	22.03	22.13	22.18	22.20	22.01		
20	64QAM	1	49	22.05	22.10	22.16	22.05	22.05	23.2	0
20	64QAM	1	99	22.13	22.24	22.18	22.22	22.11		
20	64QAM	50	0	21.57	21.65	21.80	21.70	21.67		
20	64QAM	50	24	21.47	21.51	21.66	21.47	21.52	22.7	0.5
20	64QAM	50	50	21.51	21.57	21.74	21.58	21.59		
20	64QAM	100	0	21.46	21.66	21.81	21.61	21.78		
20	256QAM	1	0	19.68	19.79	19.87	19.79	19.79		
20	256QAM	1	49	19.67	19.68	19.78	19.77	19.68	20.7	2.5
20	256QAM	1	99	19.68	19.74	19.85	19.74	19.80		
20	256QAM	50	0	19.50	19.66	19.67	19.67	19.53		
20	256QAM	50	24	19.60	19.65	19.70	19.60	19.67	20.7	2.5
20	256QAM	50	50	19.46	19.48	19.64	19.53	19.50		
20	256QAM	100	0	19.50	19.56	19.61	19.51	19.62		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)	(dB)
15	QPSK	1	0	22.25	22.28	22.42	22.31	22.29	23	0
15	QPSK	1	37	22.19	22.22	22.36	22.15	22.13		
15	QPSK	1	74	22.26	22.15	22.35	22.09	22.08		
15	QPSK	36	0	22.27	22.19	22.28	22.32	22.15		
15	QPSK	36	20	22.03	22.14	22.20	22.23	22.11	23.2	0
15	QPSK	36	39	22.19	22.13	22.21	22.12	22.16		
15	QPSK	75	0	22.14	22.24	22.30	22.03	22.19		
15	16QAM	1	0	21.99	21.92	22.11	22.07	21.92		
15	16QAM	1	37	22.08	22.17	22.19	22.01	22.06	23.2	0
15	16QAM	1	74	22.08	22.06	22.22	22.02	22.04		
15	16QAM	36	0	22.01	21.96	22.12	22.05	22.04		
15	16QAM	36	20	21.94	22.05	22.04	22.05	22.04	23.2	0
15	16QAM	36	39	21.91	22.01	21.94	21.97	21.94		
15	16QAM	75	0	21.99	21.87	22.03	21.84	21.93		
15	64QAM	1	0	21.98	22.07	22.10	22.14	21.85		
15	64QAM	1	37	21.91	22.04	22.07	21.96	21.95	23.2	0
15	64QAM	1	74	22.02	22.12	22.10	22.07	22.01		
15	64QAM	36	0	21.53	21.60	21.68	21.67	21.63		
15	64QAM	36	20	21.35	21.47	21.60	21.34	21.46	22.7	0.5
15	64QAM	36	39	21.42	21.47	21.60	21.47	21.46		
15	64QAM	75	0	21.34	21.52	21.75	21.53	21.64		
15	256QAM	1	0	19.58	19.66	19.77	19.75	19.64		
15	256QAM	1	37	19.56	19.56	19.70	19.73	19.64	20.7	2.5
15	256QAM	1	74	19.55	19.62	19.78	19.64	19.76		
15	256QAM	36	0	19.42	19.58	19.57	19.58	19.48		
15	256QAM	36	20	19.52	19.60	19.61	19.46	19.59	20.7	2.5
15	256QAM	36	39	19.39	19.38	19.59	19.49	19.41		
15	256QAM	75	0	19.41	19.56	19.57	19.52	19.55		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	22.28	22.34	22.40	22.24	22.18	23	0
10	QPSK	1	25	22.12	22.10	22.30	22.13	22.13		
10	QPSK	1	49	22.28	22.20	22.25	22.11	22.09		
10	QPSK	25	0	22.25	22.08	22.27	22.31	22.21		
10	QPSK	25	12	22.07	22.16	22.22	22.15	22.17	23.2	0
10	QPSK	25	25	22.10	22.13	22.26	22.19	22.19		
10	QPSK	50	0	22.19	22.23	22.30	22.13	22.21		
10	16QAM	1	0	22.01	22.04	22.08	22.11	21.87		
10	16QAM	1	25	22.08	22.20	22.21	21.97	22.17	23.2	0
10	16QAM	1	49	22.04	22.18	22.23	21.98	22.08		
10	16QAM	25	0	22.00	21.92	22.19	22.07	22.00		
10	16QAM	25	12	22.05	22.03	22.12	22.04	21.99	23.2	0
10	16QAM	25	25	21.95	21.90	22.07	22.04	21.85		
10	16QAM	50	0	21.92	21.91	21.98	21.79	21.84		
10	64QAM	1	0	21.96	22.05	22.09	22.16	21.92		
10	64QAM	1	25	21.89	21.94	22.08	21.96	22.01	23.2	0
10	64QAM	1	49	22.04	22.19	22.07	22.14	21.96		
10	64QAM	25	0	21.53	21.60	21.68	21.65	21.53		
10	64QAM	25	12	21.40	21.38	21.57	21.39	21.43	22.7	0.5
10	64QAM	25	25	21.45	21.47	21.69	21.54	21.46		
10	64QAM	50	0	21.34	21.62	21.76	21.48	21.69		
10	256QAM	1	0	19.60	19.71	19.75	19.66	19.66		
10	256QAM	1	25	19.55	19.61	19.67	19.62	19.54	20.7	2.5
10	256QAM	1	49	19.54	19.60	19.72	19.62	19.71		
10	256QAM	25	0	19.37	19.55	19.53	19.54	19.43		
10	256QAM	25	12	19.48	19.58	19.60	19.45	19.53	20.7	2.5
10	256QAM	25	25	19.39	19.38	19.56	19.49	19.37		
10	256QAM	50	0	19.44	19.50	19.61	19.60	19.54		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5	(dBm)	(dB)
5	QPSK	1	0	22.25	22.33	22.38	22.20	22.27	23	0
5	QPSK	1	12	22.14	22.19	22.31	22.18	22.11		
5	QPSK	1	24	22.24	22.20	22.27	22.09	22.12		
5	QPSK	12	0	22.34	22.11	22.25	22.21	22.14		
5	QPSK	12	7	22.05	22.14	22.30	22.16	22.10	23.2	0
5	QPSK	12	13	22.22	22.12	22.22	22.21	22.26		
5	QPSK	25	0	22.11	22.30	22.34	22.04	22.15		
5	16QAM	1	0	21.98	22.01	22.12	22.10	21.93		
5	16QAM	1	12	22.10	22.15	22.15	21.98	22.07	23.2	0
5	16QAM	1	24	22.04	22.14	22.19	22.10	21.97		
5	16QAM	12	0	22.09	21.99	22.13	22.06	22.12		
5	16QAM	12	7	22.03	22.06	22.10	22.14	22.05	23.2	0
5	16QAM	12	13	21.97	21.98	21.94	22.03	21.93		
5	16QAM	25	0	21.95	21.85	21.96	21.89	21.93		
5	64QAM	1	0	21.92	21.97	22.02	22.07	21.93		
5	64QAM	1	12	21.94	22.06	21.99	21.93	22.01	23.2	0
5	64QAM	1	24	21.98	22.11	22.12	22.18	22.06		
5	64QAM	12	0	21.52	21.59	21.74	21.67	21.55		
5	64QAM	12	7	21.36	21.40	21.55	21.42	21.46	22.7	0.5
5	64QAM	12	13	21.44	21.43	21.59	21.51	21.54		
5	64QAM	25	0	21.37	21.61	21.68	21.51	21.67		
5	256QAM	1	0	19.57	19.69	19.82	19.75	19.68		
5	256QAM	1	12	19.59	19.53	19.70	19.65	19.55	20.7	2.5
5	256QAM	1	24	19.62	19.60	19.72	19.64	19.67		
5	256QAM	12	0	19.46	19.53	19.61	19.60	19.40		
5	256QAM	12	7	19.48	19.58	19.62	19.55	19.53	20.7	2.5
5	256QAM	12	13	19.31	19.36	19.59	19.45	19.39		
5	256QAM	25	0	19.36	19.56	19.57	19.54	19.54		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	22.04	22.10	21.97	22.7	0
20	QPSK	1	49	21.86	21.93	21.76		
20	QPSK	1	99	21.88	21.94	21.90		
20	QPSK	50	0	21.93	22.05	21.77	22.7	0
20	QPSK	50	24	21.82	21.94	21.77		
20	QPSK	50	50	21.74	21.93	21.76		
20	QPSK	100	0	21.80	22.00	21.83		
20	16QAM	1	0	21.82	21.90	21.78	22.7	0
20	16QAM	1	49	21.81	21.85	21.82		
20	16QAM	1	99	21.86	21.85	21.77		
20	16QAM	50	0	21.77	21.93	21.89	22.7	0
20	16QAM	50	24	21.70	21.86	21.74		
20	16QAM	50	50	21.70	21.81	21.71		
20	16QAM	100	0	21.81	21.83	21.82		
20	64QAM	1	0	21.66	21.72	21.68	22.7	0
20	64QAM	1	49	21.55	21.65	21.61		
20	64QAM	1	99	21.69	21.80	21.63		
20	64QAM	50	0	21.76	21.82	21.85	22.7	0
20	64QAM	50	24	21.73	21.80	21.74		
20	64QAM	50	50	21.78	21.87	21.68		
20	64QAM	100	0	21.79	21.81	21.83		
20	256QAM	1	0	20.01	20.04	19.98	20.7	2
20	256QAM	1	49	19.82	19.87	19.79		
20	256QAM	1	99	19.84	20.03	19.85		
20	256QAM	50	0	19.73	19.84	19.73	20.7	2
20	256QAM	50	24	19.73	19.75	19.79		
20	256QAM	50	50	19.63	19.81	19.67		
20	256QAM	100	0	19.66	19.78	19.83		
Channel				37825	38000	38175	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	0	21.88	21.93	21.82	22.7	0
15	QPSK	1	37	21.74	21.80	21.73		
15	QPSK	1	74	21.82	21.79	21.85		
15	QPSK	36	0	21.78	21.98	21.65	22.7	0
15	QPSK	36	20	21.66	21.82	21.61		
15	QPSK	36	39	21.60	21.85	21.60		
15	QPSK	75	0	21.65	21.93	21.70		
15	16QAM	1	0	21.70	21.74	21.72	22.7	0
15	16QAM	1	37	21.66	21.74	21.74		
15	16QAM	1	74	21.69	21.71	21.61		
15	16QAM	36	0	21.68	21.79	21.80	22.7	0
15	16QAM	36	20	21.57	21.81	21.66		
15	16QAM	36	39	21.66	21.74	21.60		
15	16QAM	75	0	21.69	21.76	21.73		
15	64QAM	1	0	21.61	21.66	21.54	22.7	0
15	64QAM	1	37	21.46	21.51	21.57		
15	64QAM	1	74	21.61	21.67	21.50		
15	64QAM	36	0	21.72	21.76	21.71	22.7	0
15	64QAM	36	20	21.68	21.69	21.60		
15	64QAM	36	39	21.66	21.75	21.61		
15	64QAM	75	0	21.71	21.73	21.77		
15	256QAM	1	0	19.90	19.98	19.90	20.7	2
15	256QAM	1	37	19.74	19.72	19.66		
15	256QAM	1	74	19.76	19.99	19.71		
15	256QAM	36	0	19.69	19.71	19.66	20.7	2
15	256QAM	36	20	19.60	19.71	19.65		
15	256QAM	36	39	19.59	19.69	19.60		
15	256QAM	75	0	19.52	19.64	19.79		
Channel				37600	38000	38200	Tune-up limit	MPR
Frequency (MHz)				2575	2595	2615	(dBm)	(dB)
10	QPSK	1	0	21.93	21.94	21.90	22.7	0
10	QPSK	1	25	21.75	21.76	21.71		
10	QPSK	1	49	21.76	21.89	21.76		
10	QPSK	25	0	21.90	21.99	21.62	22.7	0
10	QPSK	25	12	21.74	21.85	21.70		
10	QPSK	25	25	21.68	21.83	21.67		
10	QPSK	50	0	21.77	21.88	21.78		
10	16QAM	1	0	21.75	21.79	21.69	22.7	0
10	16QAM	1	25	21.65	21.73	21.69		
10	16QAM	1	49	21.78	21.69	21.66		
10	16QAM	25	0	21.69	21.88	21.75	22.7	0
10	16QAM	25	12	21.59	21.79	21.62		
10	16QAM	25	25	21.61	21.73	21.65		
10	16QAM	50	0	21.78	21.79	21.78		
10	64QAM	1	0	21.57	21.65	21.63	22.7	0
10	64QAM	1	25	21.45	21.60	21.50		
10	64QAM	1	49	21.57	21.73	21.52		
10	64QAM	25	0	21.68	21.72	21.77	22.7	0
10	64QAM	25	12	21.60	21.67	21.71		
10	64QAM	25	25	21.69	21.82	21.57		
10	64QAM	50	0	21.65	21.74	21.75		
10	256QAM	1	0	19.87	19.91	19.93	20.7	2
10	256QAM	1	25	19.74	19.78	19.71		
10	256QAM	1	49	19.77	19.89	19.73		
10	256QAM	25	0	19.66	19.69	19.65	20.7	2
10	256QAM	25	12	19.63	19.67	19.66		
10	256QAM	25	25	19.57	19.71	19.59		
10	256QAM	50	0	19.59	19.73	19.69		
Channel				37775	38000	38225	Tune-up limit	MPR
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	22.00	21.95	21.93	22.7	0
5	QPSK	1	12	21.80	21.86	21.63		
5	QPSK	1	24	21.72	21.82	21.84		
5	QPSK	12	0	21.88	21.96	21.65	22.7	0
5	QPSK	12	7	21.72	21.83	21.74		
5	QPSK	12	13	21.60	21.83	21.61		
5	QPSK	25	0	21.76	21.86	21.74		
5	16QAM	1	0	21.69	21.78	21.69	22.7	0
5	16QAM	1	12	21.66	21.71	21.68		
5	16QAM	1	24	21.75	21.77	21.73		
5	16QAM	12	0	21.65	21.84	21.84	22.7	0
5	16QAM	12	7	21.55	21.74	21.71		
5	16QAM	12	13	21.56	21.67	21.62		
5	16QAM	25	0	21.74	21.80	21.71		
5	64QAM	1	0	21.53	21.65	21.56	22.7	0
5	64QAM	1	12	21.43	21.52	21.53		
5	64QAM	1	24	21.55	21.70	21.49		
5	64QAM	12	0	21.66	21.68	21.80	22.7	0
5	64QAM	12	7	21.68	21.66	21.68		
5	64QAM	12	13	21.65	21.82	21.54		
5	64QAM	25	0	21.65	21.74	21.77		
5	256QAM	1	0	19.86	19.91	19.87	20.7	2
5	256QAM	1	12	19.72	19.73	19.69		
5	256QAM	1	24	19.69	19.97	19.76		
5	256QAM	12	0	19.67	19.70	19.70	20.7	2
5	256QAM	12	7	19.65	19.60	19.68		
5	256QAM	12	13	19.59	19.73	19.61		
5	256QAM	25	0	19.56	19.69	19.75		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	20.39	20.32	20.42	20.30	20.37	20.7	0
20	QPSK	1	49	20.28	20.24	20.39	20.16	20.32		
20	QPSK	1	99	20.33	20.20	20.38	20.22	20.30		
20	QPSK	50	0	20.28	20.26	20.37	20.17	20.24	20.7	0
20	QPSK	50	24	20.15	20.18	20.28	20.29	20.18		
20	QPSK	50	50	20.28	20.21	20.34	20.19	20.17		
20	QPSK	100	0	20.29	20.23	20.34	20.24	20.21		
20	16QAM	1	0	20.23	20.16	20.31	20.16	20.27	20.7	0
20	16QAM	1	49	20.19	20.15	20.29	20.25	20.22		
20	16QAM	1	99	20.09	20.27	20.24	20.23	20.15		
20	16QAM	50	0	20.19	20.17	20.29	20.24	20.20	20.7	0
20	16QAM	50	24	20.08	20.13	20.12	20.17	20.00		
20	16QAM	50	50	20.03	20.09	20.09	20.10	19.99		
20	16QAM	100	0	20.08	20.07	20.19	19.91	20.11		
20	64QAM	1	0	20.18	20.26	20.33	20.19	20.26	20.7	0
20	64QAM	1	49	20.17	20.10	20.21	20.08	20.15		
20	64QAM	1	99	20.10	20.16	20.23	20.18	20.19		
20	64QAM	50	0	20.12	20.11	20.19	20.11	20.07	20.7	0
20	64QAM	50	24	20.30	20.25	20.37	20.31	20.25		
20	64QAM	50	50	20.17	20.22	20.26	20.22	20.18		
20	64QAM	100	0	20.06	20.06	20.15	20.08	20.06		
20	256QAM	1	0	20.13	20.32	20.33	20.33	20.27	20.7	0
20	256QAM	1	49	20.22	20.21	20.24	20.28	20.20		
20	256QAM	1	99	20.15	20.25	20.36	20.28	20.36		
20	256QAM	50	0	19.98	20.20	20.20	20.23	20.00	20.7	0
20	256QAM	50	24	20.09	20.22	20.18	20.15	20.20		
20	256QAM	50	50	19.96	20.02	20.15	19.98	20.03		
20	256QAM	100	0	20.00	20.06	20.15	20.17	20.13		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)	(dB)
15	QPSK	1	0	20.34	20.20	20.35	20.18	20.25	21	0
15	QPSK	1	37	20.24	20.11	20.33	20.02	20.19		
15	QPSK	1	74	20.23	20.06	20.22	20.17	20.16		
15	QPSK	36	0	20.15	20.20	20.29	20.10	20.16	20.7	0
15	QPSK	36	20	20.01	20.13	20.11	20.25	20.02		
15	QPSK	36	39	20.11	20.14	20.23	20.05	20.01		
15	QPSK	75	0	20.24	20.09	20.23	20.17	20.10		
15	16QAM	1	0	20.07	20.10	20.26	20.08	20.10	20.7	0
15	16QAM	1	37	20.15	20.08	20.22	20.14	20.17		
15	16QAM	1	74	19.98	20.19	20.12	20.17	20.02		
15	16QAM	36	0	20.14	20.07	20.21	20.19	20.04	20.7	0
15	16QAM	36	20	20.02	20.08	19.97	20.09	19.94		
15	16QAM	36	39	19.95	20.04	20.05	20.05	19.84		
15	16QAM	75	0	20.02	19.91	20.09	19.79	20.05		
15	64QAM	1	0	20.13	20.15	20.21	20.03	20.13	20.7	0
15	64QAM	1	37	20.08	19.95	20.17	20.05	19.99		
15	64QAM	1	74	19.98	20.06	20.18	20.15	20.11		
15	64QAM	36	0	19.99	20.08	20.11	19.95	19.98	20.7	0
15	64QAM	36	20	20.21	20.20	20.34	20.18	20.20		
15	64QAM	36	39	20.06	20.17	20.12	20.15	20.10		
15	64QAM	75	0	19.97	20.01	20.04	19.91	19.90		
15	256QAM	1	0	19.83	20.02	20.03	20.03	19.97	20.7	0
15	256QAM	1	37	19.92	19.91	19.94	19.98	19.90		
15	256QAM	1	74	19.85	19.95	20.06	19.98	20.06		
15	256QAM	36	0	19.68	19.90	19.90	19.93	19.70	20.7	0
15	256QAM	36	20	19.79	19.92	19.88	19.85	19.90		
15	256QAM	36	39	19.66	19.72	19.85	19.68	19.73		
15	256QAM	75	0	19.70	19.76	19.85	19.87	19.83		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	20.29	20.25	20.38	20.26	20.21	21	0
10	QPSK	1	25	20.25	20.20	20.31	20.08	20.25		
10	QPSK	1	49	20.19	20.13	20.26	20.14	20.26		
10	QPSK	25	0	20.22	20.22	20.25	20.07	20.08	20.7	0
10	QPSK	25	12	20.04	20.10	20.22	20.13	20.13		
10	QPSK	25	25	20.22	20.11	20.23	20.05	20.09		
10	QPSK	50	0	20.15	20.14	20.29	20.10	20.16		
10	16QAM	1	0	20.15	20.03	20.16	20.02	20.23	20.7	0
10	16QAM	1	25	20.05	19.99	20.24	20.17	20.11		
10	16QAM	1	49	19.95	20.13	20.14	20.06	20.09		
10	16QAM	25	0	20.15	20.14	20.19	20.18	20.09	20.7	0
10	16QAM	25	12	19.94	20.02	20.02	20.01	19.86		
10	16QAM	25	25	19.93	20.06	20.06	20.06	19.87		
10	16QAM	50	0	19.96	20.03	20.07	19.77	20.04		
10	64QAM	1	0	20.08	20.20	20.17	20.07	20.21	20.7	0
10	64QAM	1	25	20.01	19.94	20.04	20.05	20.00		
10	64QAM	1	49	19.96	20.07	20.17	20.13	20.04		
10	64QAM	25	0	20.06	19.96	20.04	19.98	20.02	20.7	0
10	64QAM	25	12	20.23	20.08	20.32	20.15	20.10		
10	64QAM	25	25	20.09	20.11	20.15	20.12	20.07		
10	64QAM	50	0	19.90	20.01	20.05	19.93	19.99		
10	256QAM	1	0	20.06	20.21	20.19	20.23	20.21	20.7	0
10	256QAM	1	25	20.12	20.17	20.18	20.25	20.08		
10	256QAM	1	49	20.12	20.20	20.27	20.18	20.29		
10	256QAM	25	0	19.87	20.09	20.06	20.13	19.94	20.7	0
10	256QAM	25	12	20.01	20.18	20.03	20.01	20.07		
10	256QAM	25	25	19.90	19.94	20.03	19.92	19.93		
10	256QAM	50	0	19.93	19.94	20.03	20.07	20.10		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5	(dBm)	(dB)
5	QPSK	1	0	20.24	20.24	20.33	20.27	20.21	21	0
5	QPSK	1	12	20.13	20.12	20.28	20.08	20.22		
5	QPSK	1	24	20.23	20.17	20.32	20.09	20.22		
5	QPSK	12	0	20.16	20.21	20.25	20.09	20.11	20.7	0
5	QPSK	12	7	20.08	20.05	20.23	20.21	20.09		
5	QPSK	12	13	20.18	20.15	20.25	20.08	20.13		
5	QPSK	25	0	20.15	20.15	20.22	20.15	20.17		
5	16QAM	1	0	20.17	20.02	20.22	20.06	20.15	20.7	0
5	16QAM	1	12	20.08	20.01	20.24	20.20	20.13		
5	16QAM	1	24	20.00	20.16	20.10	20.08	20.10		
5	16QAM	12	0	20.05	20.02	20.13	20.21	20.11	20.7	0
5	16QAM	12	7	19.96	19.96	20.05	20.09	19.89		
5	16QAM	12	13	19.91	20.03	19.99	20.02	19.91		
5	16QAM	25	0	20.05	20.00	20.05	19.78	19.99		
5	64QAM	1	0	20.05	20.10	20.23	20.05	20.11	20.7	0
5	64QAM	1	12	20.13	20.00	20.15	19.93	20.07		
5	64QAM	1	24	19.99	19.99	20.08	20.13	20.15		
5	64QAM	12	0	19.96	20.06	20.03	19.98	20.04	20.7	0
5	64QAM	12	7	20.22	20.15	20.22	20.14	20.18		
5	64QAM	12	13	20.05	20.13	20.20	20.13	20.07		
5	64QAM	25	0	20.00	19.98	20.01	20.04	19.94		
5	256QAM	1	0	20.08	20.23	20.23	20.26	20.17	20.7	0
5	256QAM	1	12	20.10	20.08	20.19	20.24	20.10		
5	256QAM	1	24	20.10	20.19	20.29	20.17	20.31		
5	256QAM	12	0	19.86	20.13	20.12	20.11	19.97	20.7	0
5	256QAM	12	7	19.97	20.16	20.05	20.01	20.10		
5	256QAM	12	13	19.83	19.96	20.06	19.86	19.92		
5	256QAM	25	0	19.90	19.93	20.08	20.06	20.09		

Band 2 Ant4 ECI5

BW [MHz]	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	19.58	19.61	19.55		
20	QPSK	1	49	19.32	19.40	19.36	20.7	0
20	QPSK	1	99	19.32	19.44	19.35		
20	QPSK	50	0	19.58	19.59	19.57		
20	QPSK	50	24	19.25	19.41	19.29	20.7	0
20	QPSK	50	50	19.31	19.42	19.29		
20	QPSK	100	0	19.49	19.07	19.53		
20	16QAM	1	0	19.27	19.43	19.26		
20	16QAM	1	49	19.28	19.30	19.26	20.7	0
20	16QAM	1	99	19.38	19.41	19.28		
20	16QAM	50	0	19.20	19.35	19.27		
20	16QAM	50	24	19.13	19.31	19.27	20.7	0
20	16QAM	50	50	19.20	19.19	19.10		
20	16QAM	100	0	19.17	19.21	19.06		
20	64QAM	1	0	19.25	19.47	19.27		
20	64QAM	1	49	19.30	19.33	19.26	20.7	0
20	64QAM	1	99	19.27	19.37	19.20		
20	64QAM	50	0	19.16	19.25	19.22		
20	64QAM	50	24	19.33	19.46	19.35	20.7	0
20	64QAM	50	50	19.23	19.37	19.29		
20	64QAM	100	0	19.17	19.31	19.22		
20	256QAM	1	0	19.26	19.35	19.32		
20	256QAM	1	49	19.15	19.40	19.22	20.7	0
20	256QAM	1	99	19.20	19.40	19.21		
20	256QAM	50	0	19.22	19.26	19.23		
20	256QAM	50	24	19.09	19.30	19.15	20.7	0
20	256QAM	50	50	19.23	19.23	19.20		
20	256QAM	100	0	19.03	19.27	19.18		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.39	19.45	19.33		
15	QPSK	1	37	19.37	19.37	19.32	20.7	0
15	QPSK	1	74	19.25	19.31	19.27		
15	QPSK	36	0	19.31	19.41	19.20		
15	QPSK	36	20	19.12	19.30	19.21	20.7	0
15	QPSK	36	39	19.17	19.28	19.20		
15	QPSK	75	0	19.21	19.36	19.28		
15	16QAM	1	0	19.15	19.35	19.16		
15	16QAM	1	37	19.24	19.22	19.13	20.7	0
15	16QAM	1	74	19.12	19.32	19.15		
15	16QAM	36	0	19.15	19.24	19.20		
15	16QAM	36	20	19.05	19.19	19.16	20.7	0
15	16QAM	36	39	19.16	19.10	19.01		
15	16QAM	75	0	19.07	19.17	18.97		
15	64QAM	1	0	19.13	19.33	19.23		
15	64QAM	1	37	19.27	19.22	19.22	20.7	0
15	64QAM	1	74	19.20	19.30	19.15		
15	64QAM	36	0	19.09	19.18	19.17		
15	64QAM	36	20	19.24	19.34	19.22	20.7	0
15	64QAM	36	39	19.16	19.28	19.22		
15	64QAM	75	0	19.14	19.28	19.09		
15	256QAM	1	0	19.10	19.27	19.27		
15	256QAM	1	37	18.99	19.35	19.15	20.7	0
15	256QAM	1	74	19.08	19.33	19.16		
15	256QAM	36	0	19.13	19.15	19.17		
15	256QAM	36	20	18.97	19.19	19.00	20.7	0
15	256QAM	36	39	19.12	19.12	19.06		
15	256QAM	75	0	18.97	19.23	19.02		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.42	19.43	19.36		
10	QPSK	1	25	19.26	19.29	19.20	20.7	0
10	QPSK	1	49	19.26	19.37	19.22		
10	QPSK	25	0	19.25	19.35	19.22		
10	QPSK	25	12	19.18	19.34	19.20	20.7	0
10	QPSK	25	25	19.21	19.36	19.25		
10	QPSK	50	0	19.15	19.32	19.27		
10	16QAM	1	0	19.24	19.33	19.14		
10	16QAM	1	25	19.22	19.16	19.11	20.7	0
10	16QAM	1	49	19.26	19.24	19.23		
10	16QAM	25	0	19.12	19.25	19.18		
10	16QAM	25	12	19.06	19.26	19.15	20.7	0
10	16QAM	25	25	19.08	19.06	18.95		
10	16QAM	50	0	19.14	19.18	18.94		
10	64QAM	1	0	19.15	19.26	19.12		
10	64QAM	1	25	19.18	19.20	19.18	20.7	0
10	64QAM	1	49	19.24	19.27	19.13		
10	64QAM	25	0	19.11	19.14	19.12		
10	64QAM	25	12	19.21	19.32	19.28	20.7	0
10	64QAM	25	25	19.14	19.21	19.21		
10	64QAM	50	0	19.03	19.24	19.15		
10	256QAM	1	0	19.12	19.21	19.23		
10	256QAM	1	25	19.01	19.24	19.15	20.7	0
10	256QAM	1	49	19.14	19.30	19.15		
10	256QAM	25	0	19.11	19.13	19.19		
10	256QAM	25	12	18.99	19.22	19.05	20.7	0
10	256QAM	25	25	19.08	19.12	19.16		
10	256QAM	50	0	18.87	19.18	19.10		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.41	19.50	19.24		
5	QPSK	1	12	19.26	19.33	19.28	20.7	0
5	QPSK	1	24	19.20	19.29	19.24		
5	QPSK	12	0	19.17	19.33	19.29		
5	QPSK	12	7	19.21	19.32	19.19	20.7	0
5	QPSK	12	13	19.23	19.35	19.14		
5	QPSK	25	0	19.16	19.27	19.17		
5	16QAM	1	0	19.19	19.36	19.10		
5	16QAM	1	12	19.23	19.23	19.23	20.7	0
5	16QAM	1	24	19.28	19.33	19.20		
5	16QAM	12	0	19.07	19.28	19.14		
5	16QAM	12	7	18.96	19.25	19.13	20.7	0
5	16QAM	12	13	19.16	19.10	19.06		
5	16QAM	25	0	19.08	19.16	19.02		
5	64QAM	1	0	19.13	19.35	19.13		
5	64QAM	1	12	19.24	19.22	19.19	20.7	0
5	64QAM	1	24	19.22	19.29	19.09		
5	64QAM	12	0	19.11	19.21	19.10		
5	64QAM	12	7	19.22	19.33	19.26	20.7	0
5	64QAM	12	13	19.15	19.32	19.14		
5	64QAM	25	0	19.02	19.26	19.09		
5	256QAM	1	0	19.21	19.27	19.21		
5	256QAM	1	12	19.07	19.33	19.12	20.7	0
5	256QAM	1	24	19.13	19.28	19.16		
5	256QAM	12	0	19.15	19.15	19.17		
5	256QAM	12	7	18.98	19.21	19.12	20.7	0
5	256QAM	12	13	19.13	19.07	19.07		
5	256QAM	25	0	18.97	19.10	19.03		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.36	19.43	19.28		
3	QPSK	1	8	19.17	19.36	19.32	20.7	0
3	QPSK	1	14	19.18	19.39	19.22		
3	QPSK	8	0	19.22	19.31	19.25		
3	QPSK	8	4	19.10	19.26	19.23	20.7	0
3	QPSK	8	7	19.22	19.37	19.20		
3	QPSK	15	0	19.16	19.27	19.29		
3	16QAM	1	0	19.17	19.28	19.11		
3	16QAM	1	8	19.19	19.20	19.13	20.7	0
3	16QAM	1	14	19.28	19.31	19.17		
3	16QAM	8	0	19.06	19.18	19.11		
3	16QAM	8	4	19.09	19.20	19.21	20.7	0
3	16QAM	8	7	19.05	19.09	19.07		
3	16QAM	15	0	19.03	19.16	18.93		
3	64QAM	1	0	19.16	19.26	19.18		
3	64QAM	1	8	19.22	19.25	19.20	20.7	0
3	64QAM	1	14	19.22	19.28	19.13		
3	64QAM	8	0	19.11	19.08	19.14		
3	64QAM	8	4	19.25	19.42	19.21	20.7	0
3	64QAM	8	7	19.18	19.24	19.19		
3	64QAM	15	0	19.12	19.22	19.08		
3	256QAM	1	0	19.12	19.24	19.19		
3	256QAM	1	8	19.11	19.32	19.17	20.7	0
3	256QAM	1	14	19.12	19.33	19.16		
3	256QAM	8	0	19.15	19.09	19.09		
3	256QAM	8	4	19.05	19.25	19.01	20.7	0
3	256QAM	8	7	19.11	19.10	19.16		
3	256QAM	15	0	18.88	19.13	19.05		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.37	19.40	19.30		
1.4	QPSK	1	3	19.28	19.34	19.25		
1.4	QPSK	1	5	19.29	19.29	19.25	20.7	0
1.4	QPSK	3	0	19.18	19.38	19.26		
1.4	QPSK	3	1	19.16	19.28	19.23		
1.4	QPSK	3	3	19.15	19.33	19.22		
1.4	QPSK	6	0	19.25	19.37	19.25	20.7	0
1.4	16QAM	1	0	19.19	19.26	19.15		
1.4	16QAM	1	3	19.24	19.24	19.10		
1.4	16QAM	1	5	19.26	19.35	19.13	20.7	0
1.4	16QAM	3	0	19.10	19.31	19.12		
1.4	16QAM	3	1	18.99	19.19	19.14		
1.4	16QAM	3	3	19.08	19.15	19.04		
1.4	16QAM	6	0	19.01	19.08	18.99	20.7	0
1.4	64QAM	1	0	19.21	19.33	19.11		
1.4	64QAM	1	3	19.15	19.20	19.09		
1.4	64QAM	1	5	19.14	19.32	19.13	20.7	0
1.4	64QAM	3	0	19.05	19.17	19.17		
1.4	64QAM	3	1	19.28	19.38	19.29		
1.4	64QAM	3	3	19.10	19.31	19.20		
1.4	64QAM	6	0	19.02	19.27	19.14	20.7	0
1.4	256QAM	1	0	19.17	19.30	19.27		
1.4	256QAM	1	3	19.07	19.26	19.16		
1.4	256QAM	1	5	19.07	19.35	19.16	20.7	0
1.4	256QAM	3	0	19.16	19.15	19.08		
1.4	256QAM	3	1	18.94	19.20	19.11		
1.4	256QAM	3	3	19.16	19.07	19.12		
1.4	256QAM	6	0	18.89	19.20	19.06	20.7	0

Band 4 Ant4 ECI5

BW [MHz]	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	19.32	19.36	19.29		
20	QPSK	1	49	19.11	19.17	19.15	20.2	0
20	QPSK	1	99	19.12	19.18	19.08		
20	QPSK	50	0	19.28	19.31	19.23		
20	QPSK	50	24	19.05	19.27	19.13	20.2	0
20	QPSK	50	50	19.17	19.18	19.12		
20	QPSK	100	0	19.13	19.27	19.21		
20	16QAM	1	0	19.13	19.29	19.09		
20	16QAM	1	49	19.15	19.10	19.00	20.2	0
20	16QAM	1	99	19.18	19.19	19.09		
20	16QAM	50	0	19.01	19.19	19.01		
20	16QAM	50	24	18.97	19.06	19.13	20.2	0
20	16QAM	50	50	19.07	19.03	18.86		
20	16QAM	100	0	18.96	19.03	18.83		
20	64QAM	1	0	19.08	19.26	19.06		
20	64QAM	1	49	19.03	19.08	19.04	20.2	0
20	64QAM	1	99	19.08	19.15	19.05		
20	64QAM	50	0	19.02	19.09	18.99		
20	64QAM	50	24	18.97	19.05	19.21	20.2	0
20	64QAM	50	50	18.99	19.18	19.15		
20	64QAM	100	0	18.97	19.11	19.03		
20	256QAM	1	0	19.12	19.16	19.13		
20	256QAM	1	49	18.95	19.15	18.99	20.2	0
20	256QAM	1	99	19.01	19.18	18.99		
20	256QAM	50	0	19.06	19.08	19.05		
20	256QAM	50	24	18.95	19.05	18.94	20.2	0
20	256QAM	50	50	18.94	19.10	18.93		
20	256QAM	100	0	18.78	19.02	19.02		
Channel				20025	20175	20325	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1732.5	1747.5		
15	QPSK	1	0	19.18	19.24	19.14		
15	QPSK	1	37	18.98	19.09	19.07	20.2	0
15	QPSK	1	74	19.01	19.04	19.03		
15	QPSK	36	0	19.16	19.18	19.08		
15	QPSK	36	20	18.93	19.22	19.04		
15	QPSK	36	39	19.08	19.06	19.04	20.2	0
15	QPSK	75	0	19.02	19.12	19.14		
15	16QAM	1	0	18.97	19.19	18.98		
15	16QAM	1	37	19.04	19.07	18.96	20.2	0
15	16QAM	1	74	19.05	19.16	18.94		
15	16QAM	36	0	18.85	19.04	18.87		
15	16QAM	36	20	18.88	19.02	18.99	20.2	0
15	16QAM	36	39	18.99	18.87	18.78		
15	16QAM	75	0	18.88	18.92	18.79		
15	64QAM	1	0	18.99	19.05	18.93		
15	64QAM	1	37	18.91	18.93	18.94	20.2	0
15	64QAM	1	74	18.92	19.00	18.93		
15	64QAM	36	0	18.88	19.04	18.94		
15	64QAM	36	20	19.05	19.21	19.17	20.2	0
15	64QAM	36	39	18.90	19.12	19.01		
15	64QAM	75	0	18.90	19.12	18.89		
15	256QAM	1	0	18.95	19.11	19.06		
15	256QAM	1	37	18.80	19.03	18.85	20.2	0
15	256QAM	1	74	18.96	19.14	18.90		
15	256QAM	36	0	19.00	18.98	18.91		
15	256QAM	36	20	18.81	18.93	18.91	20.2	0
15	256QAM	36	39	18.91	18.96	18.86		
15	256QAM	75	0	18.63	18.86	18.89		
Channel				20000	20175	20350	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1732.5	1750		
10	QPSK	1	0	19.19	19.33	19.25		
10	QPSK	1	25	18.96	19.06	19.12	20.2	0
10	QPSK	1	49	19.00	19.01	19.05		
10	QPSK	25	0	19.24	19.19	19.06		
10	QPSK	25	12	18.98	19.16	19.01	20.2	0
10	QPSK	25	25	19.06	19.13	19.07		
10	QPSK	50	0	19.00	19.21	19.05		
10	16QAM	1	0	18.98	19.24	19.02		
10	16QAM	1	25	18.99	18.99	18.93	20.2	0
10	16QAM	1	49	19.03	19.14	19.00		
10	16QAM	25	0	18.86	19.04	18.85		
10	16QAM	25	12	18.93	19.01	19.08	20.2	0
10	16QAM	25	25	19.04	18.94	18.80		
10	16QAM	50	0	18.82	18.98	18.74		
10	64QAM	1	0	18.94	19.06	19.02		
10	64QAM	1	25	18.93	18.94	18.89	20.2	0
10	64QAM	1	49	18.94	19.00	18.98		
10	64QAM	25	0	18.93	19.00	18.93		
10	64QAM	25	12	19.13	19.23	19.16	20.2	0
10	64QAM	25	25	18.84	19.11	19.09		
10	64QAM	50	0	18.92	19.13	18.87		
10	256QAM	1	0	19.01	19.00	19.00		
10	256QAM	1	25	18.92	19.10	18.84	20.2	0
10	256QAM	1	49	18.92	19.12	18.92		
10	256QAM	25	0	18.97	19.05	18.88		
10	256QAM	25	12	18.93	19.01	18.90	20.2	0
10	256QAM	25	25	18.78	18.89	18.90		
10	256QAM	50	0	18.61	18.98	18.92		
Channel				19975	20175	20375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1732.5	1752.5		
5	QPSK	1	0	19.26	19.21	19.26		
5	QPSK	1	12	18.95	19.06	19.01	20.2	0
5	QPSK	1	24	19.07	19.05	19.02		
5	QPSK	12	0	19.11	19.14	19.11		
5	QPSK	12	7	18.96	19.13	19.03	20.2	0
5	QPSK	12	13	19.03	19.07	19.08		
5	QPSK	25	0	18.98	19.22	19.07		
5	16QAM	1	0	19.10	19.20	19.02		
5	16QAM	1	12	19.03	19.06	18.88	20.2	0
5	16QAM	1	24	19.03	19.04	19.00		
5	16QAM	12	0	18.98	19.02	18.90		
5	16QAM	12	7	18.87	18.99	19.00	20.2	0
5	16QAM	12	13	18.99	18.96	18.73		
5	16QAM	25	0	18.83	18.97	18.67		
5	64QAM	1	0	18.97	19.10	18.89		
5	64QAM	1	12	18.89	18.95	18.96	20.2	0
5	64QAM	1	24	19.04	18.95	18.89		
5	64QAM	12	0	18.94	19.05	18.88		
5	64QAM	12	7	19.01	19.14	19.14	20.2	0
5	64QAM	12	13	18.85	19.10	19.07		
5	64QAM	25	0	18.85	19.10	18.88		
5	256QAM	1	0	19.06	19.09	19.05		
5	256QAM	1	12	18.78	18.99	18.88	20.2	0
5	256QAM	1	24	18.95	19.13	18.94		
5	256QAM	12	0	18.96	19.04	18.95		
5	256QAM	12	7	18.89	18.94	18.79		
5	256QAM	12	13	18.90	18.95	18.86	20.2	0
5	256QAM	25	0	18.73	18.91	18.85		
Channel				19925	20175	20425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1711.5	1732.5	1753.5		
3	QPSK	1	0	19.28	19.31	19.26		
3	QPSK	1	8	18.96	19.11	19.11	20.2	0
3	QPSK	1	14	19.09	19.04	18.97		
3	QPSK	8	0	19.19	19.12	19.12		
3	QPSK	8	4	18.92	19.22	19.06	20.2	0
3	QPSK	8	7	19.02	19.13	19.01		
3	QPSK	15	0	19.04	19.21	19.16		
3	16QAM	1	0	19.10	19.24	19.01		
3	16QAM	1	8	18.99	19.07	18.86	20.2	0
3	16QAM	1	14	19.10	19.09	19.06		
3	16QAM	8	0	18.87	19.08	18.96		
3	16QAM	8	4	18.86	18.97	19.08	20.2	0
3	16QAM	8	7	18.99	18.95	18.69		
3	16QAM	15	0	18.80	18.87	18.68		
3	64QAM	1	0	18.92	19.00	18.90		
3	64QAM	1	8	18.91	18.95	18.89	20.2	0
3	64QAM	1	14	18.97	19.05	18.95		
3	64QAM	8	0	18.93	19.05	18.89		
3	64QAM	8	4	19.13	19.15	19.08	20.2	0
3	64QAM	8	7	18.93	19.09	19.02		
3	64QAM	15	0	18.91	19.10	18.86		
3	256QAM	1	0	18.96	19.06	18.99		
3	256QAM	1	8	18.91	18.99	18.86	20.2	0
3	256QAM	1	14	18.95	19.09	18.88		
3	256QAM	8	0	19.01	19.02	18.97		
3	256QAM	8	4	18.79	19.02	18.79	20.2	0
3	256QAM	8	7	18.87	18.89	18.79		
3	256QAM	15	0	18.65	18.88	18.94		
Channel				19900	20175	20450	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1710.7	1732.5	1754.3		
1.4	QPSK	1	0	19.26	19.29	19.21		
1.4	QPSK	1	3	19.07	19.14	19.00		
1.4	QPSK	1	5	19.00	19.02	18.92	20.2	0
1.4	QPSK	3	0	19.22	19.26	19.20		
1.4	QPSK	3	1	18.90	19.11	19.08		
1.4	QPSK	3	3	19.01	19.07	18.95		
1.4	QPSK	6	0	19.00	19.18	19.06	20.2	0
1.4	16QAM	1	0	18.99	19.20	18.93		
1.4	16QAM	1	3	19.02	19.00	18.93		
1.4	16QAM	1	5	19.05	19.05	18.95	20.2	0
1.4	16QAM	3	0	18.86	19.03	18.87		
1.4	16QAM	3	1	18.91	18.92	18.98		
1.4	16QAM	3	3	18.91	18.92	18.75		
1.4	16QAM	6	0	18.83	18.96	18.72	20.2	0
1.4	64QAM	1	0	18.93	19.09	18.95		
1.4	64QAM	1	3	18.94	19.01	19.00		
1.4	64QAM	1	5	19.02	19.01	18.95	20.2	0
1.4	64QAM	3	0	18.90	18.94	18.92		
1.4	64QAM	3	1	19.06	19.22	19.14		
1.4	64QAM	3	3	18.87	19.13	19.01		
1.4	64QAM	6	0	18.86	19.03	18.90	20.2	0
1.4	256QAM	1	0	19.03	19.07	19.01		
1.4	256QAM	1	3	18.87	19.08	18.94		
1.4	256QAM	1	5	18.87	19.03	18.95	20.2	0
1.4	256QAM	3	0	19.02	19.02	19.00		
1.4	256QAM	3	1	18.89	19.03	18.86		
1.4	256QAM	3	3	18.85	18.94	18.87		
1.4	256QAM	6	0	18.63	18.89	18.95	20.2	0

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BW [MHz]	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	20.50	20.58	20.52		
20	QPSK	1	49	20.49	20.52	20.46	22	0
20	QPSK	1	99	20.39	20.47	20.42		
20	QPSK	50	0	20.51	20.53	20.47		
20	QPSK	50	24	20.40	20.50	20.42	22	0
20	QPSK	50	50	20.41	20.46	20.38		
20	QPSK	100	0	20.35	20.47	20.41		
20	16QAM	1	0	20.37	20.40	20.40		
20	16QAM	1	49	20.26	20.34	20.42	22	0
20	16QAM	1	99

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.40	21.42	21.32	22.2	0
20	QPSK	1	49	21.23	21.38	21.24		
20	QPSK	1	99	21.33	21.37	21.25		
20	QPSK	50	0	21.23	21.37	21.23		
20	QPSK	50	24	21.14	21.33	21.27	22.2	0
20	QPSK	50	50	21.18	21.26	21.24		
20	QPSK	100	0	21.25	21.31	21.28		
20	16QAM	1	0	21.15	21.27	21.17		
20	16QAM	1	49	21.26	21.22	21.19	22.2	0
20	16QAM	1	99	21.20	21.29	21.23		
20	16QAM	50	0	21.19	21.21	21.22		
20	16QAM	50	24	21.04	21.24	21.18	22.2	0
20	16QAM	50	50	21.05	21.11	21.04		
20	16QAM	100	0	21.01	21.17	21.00		
20	64QAM	1	0	21.26	21.22	21.17		
20	64QAM	1	49	21.19	21.21	21.07	22.2	0
20	64QAM	1	99	21.28	21.29	21.20		
20	64QAM	50	0	21.21	21.32	21.26		
20	64QAM	50	24	21.07	21.22	21.08	22.2	0
20	64QAM	50	50	21.21	21.25	21.08		
20	64QAM	100	0	21.13	21.28	21.14		
20	256QAM	1	0	19.80	19.99	19.76		
20	256QAM	1	49	19.73	19.83	19.71	20.7	1.5
20	256QAM	1	99	19.82	19.94	19.74		
20	256QAM	50	0	19.68	19.82	19.60		
20	256QAM	50	24	19.68	19.70	19.63	20.7	1.5
20	256QAM	50	50	19.51	19.63	19.62		
20	256QAM	100	0	19.68	19.71	19.66		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.25	21.30	21.24	22.2	0
15	QPSK	1	37	21.14	21.27	21.16		
15	QPSK	1	74	21.27	21.20	21.12		
15	QPSK	36	0	21.11	21.21	21.06		
15	QPSK	36	20	21.06	21.18	21.18	22.2	0
15	QPSK	36	39	21.10	21.11	21.07		
15	QPSK	75	0	21.09	21.17	21.14		
15	16QAM	1	0	21.02	21.22	21.12		
15	16QAM	1	37	21.18	21.07	21.15	22.2	0
15	16QAM	1	74	21.10	21.26	21.12		
15	16QAM	36	0	21.15	21.16	21.06		
15	16QAM	36	20	20.93	21.16	21.13	22.2	0
15	16QAM	36	39	20.99	21.04	20.89		
15	16QAM	75	0	20.87	21.06	20.92		
15	64QAM	1	0	21.24	21.11	21.07		
15	64QAM	1	37	21.11	21.13	20.95	22.2	0
15	64QAM	1	74	21.16	21.18	21.11		
15	64QAM	36	0	21.09	21.20	21.22		
15	64QAM	36	20	20.99	21.18	21.04	22.2	0
15	64QAM	36	39	21.18	21.19	20.94		
15	64QAM	75	0	21.00	21.19	21.07		
15	256QAM	1	0	19.65	19.93	19.71		
15	256QAM	1	37	19.61	19.72	19.64	20.7	1.5
15	256QAM	1	74	19.78	19.90	19.70		
15	256QAM	36	0	19.56	19.75	19.57		
15	256QAM	36	20	19.57	19.57	19.48	20.7	1.5
15	256QAM	36	39	19.40	19.53	19.55		
15	256QAM	75	0	19.62	19.58	19.55		
Channel				37600	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.33	21.31	21.26	22.2	0
10	QPSK	1	25	21.11	21.25	21.12		
10	QPSK	1	49	21.21	21.31	21.10		
10	QPSK	25	0	21.15	21.32	21.18		
10	QPSK	25	12	21.10	21.30	21.17	22.2	0
10	QPSK	25	25	21.14	21.15	21.11		
10	QPSK	50	0	21.16	21.26	21.23		
10	16QAM	1	0	21.02	21.13	21.01		
10	16QAM	1	25	21.13	21.18	21.04	22.2	0
10	16QAM	1	49	21.05	21.14	21.18		
10	16QAM	25	0	21.05	21.16	21.18		
10	16QAM	25	12	20.96	21.16	21.14	22.2	0
10	16QAM	25	25	20.97	21.07	20.98		
10	16QAM	50	0	20.91	21.13	20.95		
10	64QAM	1	0	21.12	21.15	21.02		
10	64QAM	1	25	21.13	21.16	20.98	22.2	0
10	64QAM	1	49	21.19	21.14	21.14		
10	64QAM	25	0	21.12	21.19	21.14		
10	64QAM	25	12	21.00	21.08	20.95	22.2	0
10	64QAM	25	25	21.16	21.14	20.99		
10	64QAM	50	0	21.09	21.12	21.00		
10	256QAM	1	0	19.74	19.92	19.66		
10	256QAM	1	25	19.67	19.78	19.65	20.7	1.5
10	256QAM	1	49	19.70	19.91	19.60		
10	256QAM	25	0	19.55	19.77	19.55		
10	256QAM	25	12	19.55	19.64	19.49	20.7	1.5
10	256QAM	25	25	19.44	19.51	19.53		
10	256QAM	50	0	19.55	19.62	19.54		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.32	21.36	21.21	22.2	0
5	QPSK	1	12	21.13	21.23	21.12		
5	QPSK	1	24	21.16	21.27	21.15		
5	QPSK	12	0	21.13	21.28	21.14		
5	QPSK	12	7	21.07	21.24	21.17	22.2	0
5	QPSK	12	13	21.09	21.14	21.17		
5	QPSK	25	0	21.18	21.19	21.15		
5	16QAM	1	0	21.02	21.15	21.11		
5	16QAM	1	12	21.14	21.13	21.02	22.2	0
5	16QAM	1	24	21.04	21.14	21.11		
5	16QAM	12	0	21.16	21.05	21.06		
5	16QAM	12	7	20.91	21.12	21.13	22.2	0
5	16QAM	12	13	20.93	21.06	20.99		
5	16QAM	25	0	20.93	21.12	20.83		
5	64QAM	1	0	21.24	21.07	21.12		
5	64QAM	1	12	21.11	21.07	21.02	22.2	0
5	64QAM	1	24	21.19	21.20	21.04		
5	64QAM	12	0	21.06	21.15	21.14		
5	64QAM	12	7	20.91	21.04	21.04	22.2	0
5	64QAM	12	13	21.15	21.09	21.01		
5	64QAM	25	0	20.96	21.20	21.10		
5	256QAM	1	0	19.68	19.92	19.64		
5	256QAM	1	12	19.59	19.72	19.67	20.7	1.5
5	256QAM	1	24	19.68	19.81	19.60		
5	256QAM	12	0	19.58	19.70	19.57		
5	256QAM	12	7	19.55	19.61	19.53	20.7	1.5
5	256QAM	12	13	19.36	19.52	19.50		
5	256QAM	25	0	19.58	19.66	19.56		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.22	22.27	22.36	22.19	22.31	22.7	0
20	QPSK	1	49	22.07	22.12	22.23	22.09	22.13		
20	QPSK	1	99	22.09	22.23	22.23	22.12	22.18		
20	QPSK	50	0	22.19	22.20	22.32	22.12	22.19		
20	QPSK	50	24	22.10	22.00	22.20	22.11	22.14		
20	QPSK	50	50	22.05	22.07	22.18	22.18	22.02		
20	QPSK	100	0	22.15	22.13	22.24	22.21	22.19		
20	16QAM	1	0	22.15	22.09	22.22	22.03	22.07		
20	16QAM	1	49	22.06	22.20	22.13	22.08	22.06		
20	16QAM	1	99	22.09	22.15	22.21	22.09	22.16		
20	16QAM	50	0	21.99	22.09	22.08	22.12	21.96		
20	16QAM	50	24	21.96	21.98	22.10	22.14	22.04		
20	16QAM	50	50	21.82	21.88	21.96	22.01	21.88		
20	16QAM	100	0	22.07	21.96	22.14	21.89	22.04		
20	64QAM	1	0	21.96	22.13	22.08	22.14	22.02		
20	64QAM	1	49	22.03	22.04	22.07	22.01	22.01		
20	64QAM	1	99	22.05	22.20	22.20	22.12	22.06		
20	64QAM	50	0	22.10	22.06	22.21	22.13	22.18		
20	64QAM	50	24	22.11	22.04	22.12	22.00	22.10		
20	64QAM	50	50	22.10	22.13	22.15	22.07	22.06		
20	64QAM	100	0	22.11	22.15	22.17	22.16	22.03		
20	256QAM	1	0	20.39	20.25	20.43	20.30	20.30		
20	256QAM	1	49	20.12	20.21	20.25	20.16	20.12		
20	256QAM	1	99	20.23	20.25	20.29	20.19	20.25		
20	256QAM	50	0	20.17	20.16	20.22	20.12	20.10		
20	256QAM	50	24	20.07	20.13	20.17	20.04	20.07		
20	256QAM	50	50	20.00	20.05	20.10	20.02	20.07		
20	256QAM	100	0	20.04	20.12	20.12	20.09	20.02		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.05	22.20	22.32	22.06	22.15	23	0
15	QPSK	1	37	21.98	21.97	22.13	22.03	22.06		
15	QPSK	1	74	22.04	22.14	22.09	22.04	22.05		
15	QPSK	36	0	22.04	22.09	22.17	22.00	22.14		
15	QPSK	36	20	22.02	21.95	22.09	22.05	22.00	22.7	0
15	QPSK	36	39	21.96	21.98	22.03	22.09	21.98		
15	QPSK	75	0	22.12	21.98	22.13	22.07	22.15		
15	16QAM	1	0	22.00	21.94	22.10	22.00	21.95		
15	16QAM	1	37	21.96	22.13	22.01	21.95	21.98	22.7	0
15	16QAM	1	74	22.04	22.07	22.07	22.01	22.11		
15	16QAM	36	0	21.85	21.92	21.93	22.03	21.87		
15	16QAM	36	20	21.81	21.84	22.03	22.01	21.92	22.7	0
15	16QAM	36	39	21.73	21.80	21.81	21.89	21.74		
15	16QAM	75	0	21.92	21.87	22.01	21.76	21.92		
15	64QAM	1	0	21.85	22.06	21.93	22.00	21.96		
15	64QAM	1	37	21.93	21.98	21.91	21.85	21.94	22.7	0
15	64QAM	1	74	21.99	22.09	22.03	21.97	21.91		
15	64QAM	36	0	21.99	21.94	22.12	22.04	22.10		
15	64QAM	36	20	21.97	21.96	22.09	21.96	22.07	22.7	0
15	64QAM	36	39	21.97	22.06	22.07	21.95	21.94		
15	64QAM	75	0	22.03	22.05	22.12	22.06	21.98		
15	256QAM	1	0	20.30	20.17	20.35	20.23	20.27		
15	256QAM	1	37	20.03	20.10	20.12	20.10	20.01	20.7	2
15	256QAM	1	74	20.09	20.21	20.25	20.05	20.14		
15	256QAM	36	0	20.02	20.06	20.17	20.00	19.99		
15	256QAM	36	20	19.93	20.06	20.02	19.96	19.93	20.7	2
15	256QAM	36	39	19.89	19.99	20.01	19.89	19.94		
15	256QAM	75	0	19.90	20.05	20.06	19.99	19.98		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.10	22.21	22.24	22.08	22.20	23	0
10	QPSK	1	25	22.01	22.01	22.13	21.99	22.05		
10	QPSK	1	49	21.97	22.12	22.10	21.98	22.05		
10	QPSK	25	0	22.10	22.13	22.21	21.96	22.08		
10	QPSK	25	12	22.06	21.86	22.15	21.96	21.99	22.7	0
10	QPSK	25	25	21.95	21.94	22.13	22.03	21.98		
10	QPSK	50	0	22.02	22.03	22.16	22.10	22.14		
10	16QAM	1	0	22.08	21.98	22.12	21.93	21.91		
10	16QAM	1	25	22.02	22.09	22.03	21.94	22.00	22.7	0
10	16QAM	1	49	21.98	22.06	22.08	22.03	22.09		
10	16QAM	25	0	21.94	22.01	21.93	22.08	21.91		
10	16QAM	25	12	21.93	21.92	21.94	22.11	21.90	22.7	0
10	16QAM	25	25	21.70	21.85	21.83	21.85	21.73		
10	16QAM	50	0	21.96	21.87	22.11	21.76	21.98		
10	64QAM	1	0	21.82	22.06	21.95	22.02	21.87		
10	64QAM	1	25	21.97	21.90	22.01	21.96	21.96	22.7	0
10	64QAM	1	49	21.91	22.12	22.07	22.01	22.02		
10	64QAM	25	0	22.01	21.95	22.15	22.09	22.05		
10	64QAM	25	12	22.08	21.90	22.17	21.85	22.03	22.7	0
10	64QAM	25	25	22.03	22.10	22.07	21.93	21.94		
10	64QAM	50	0	22.07	22.03	22.12	22.06	21.95		
10	256QAM	1	0	20.29	20.11	20.39	20.22	20.21		
10	256QAM	1	25	19.97	20.17	20.14	20.04	19.98	20.7	2
10	256QAM	1	49	20.14	20.17	20.15	20.12	20.15		
10	256QAM	25	0	20.09	20.06	20.15	20.04	20.03		
10	256QAM	25	12	20.03	20.00	20.08	19.99	19.96	20.7	2
10	256QAM	25	25	19.89	19.90	20.05	19.93	19.96		
10	256QAM	50	0	20.00	20.03	20.07	20.05	19.95		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2546.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.11	22.15	22.31	22.05	22.25	23	0
5	QPSK	1	12	21.96	21.96	22.15	22.02	21.98		
5	QPSK	1	24	22.03	22.18	22.15	21.99	22.11		
5	QPSK	12	0	22.14	22.11	22.26	22.00	22.07		
5	QPSK	12	7	21.97	21.92	22.09	21.95	22.09	22.7	0
5	QPSK	12	13	21.95	21.91	22.13	22.02	21.99		
5	QPSK	25	0	22.01	22.02	22.16	22.10	22.09		
5	16QAM	1	0	22.02	21.98	22.15	21.92	22.02		
5	16QAM	1	12	22.00	22.10	22.10	21.97	21.97	22.7	0
5	16QAM	1	24	22.00	22.10	22.13	22.05	22.09		
5	16QAM	12	0	21.85	21.94	21.98	22.00	21.83		
5	16QAM	12	7	21.82	21.88	22.05	22.02	21.91	22.7	0
5	16QAM	12	13	21.74	21.81	21.89	21.91	21.75		
5	16QAM	25	0	22.02	21.90	22.05	21.73	21.97		
5	64QAM	1	0	21.88	22.01	21.91	22.10	21.94		
5	64QAM	1	12	21.95	21.89	22.04	21.85	21.86	22.7	0
5	64QAM	1	24	21.93	22.12	22.13	21.98	21.95		
5	64QAM	12	0	22.02	21.93	22.09	22.08	22.13		
5	64QAM	12	7	22.05	21.99	22.16	21.87	22.06	22.7	0
5	64QAM	12	13	22.03	22.01	22.08	21.97	21.94		
5	64QAM	25	0	22.00	22.06	22.03	22.04	21.98		
5	256QAM	1	0	20.33	20.16	20.37	20.26	20.22		
5	256QAM	1	12	19.98	20.12	20.18	20.09	19.98	20.7	2
5	256QAM	1	24	20.12	20.16	20.15	20.12	20.15		
5	256QAM	12	0	20.07	20.04	20.07	19.98	20.01		
5	256QAM	12	7	19.97	20.04	20.11	19.92	19.99	20.7	2
5	256QAM	12	13	19.89	19.99	19.96	19.87	19.93		
5	256QAM	25	0	19.93	20.09	20.00	20.03	19.88		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	19.85	19.93	19.86	19.79	20.5	0
20	QPSK	1	49	19.72	19.81	19.75	19.61		
20	QPSK	1	99	19.76	19.90	19.75	19.72		
20	QPSK	50	0	19.89	19.92	19.76	19.80		
20	QPSK	50	24	19.67	19.82	19.66	19.83		
20	QPSK	50	50	19.68	19.70	19.78	19.62		
20	QPSK	100	0	19.81	19.90	19.77	19.78		
20	16QAM	1	0	19.61	19.80	19.63	19.74	20.5	0
20	16QAM	1	49	19.78	19.86	19.72	19.60		
20	16QAM	1	99	19.84	19.86	19.74	19.84		
20	16QAM	50	0	19.63	19.73	19.69	19.61	20.5	0
20	16QAM	50	24	19.62	19.74	19.68	19.61		
20	16QAM	50	50	19.53	19.59	19.62	19.63		
20	16QAM	100	0	19.48	19.58	19.44	19.52		
20	64QAM	1	0	19.70	19.84	19.72	19.74	20.5	0
20	64QAM	1	49	19.67	19.74	19.66	19.66		
20	64QAM	1	99	19.64	19.69	19.60	19.63		
20	64QAM	50	0	19.54	19.71	19.58	19.57	20.5	0
20	64QAM	50	24	19.83	19.91	19.81	19.75		
20	64QAM	50	50	19.69	19.67	19.72	19.62		
20	64QAM	100	0	19.56	19.71	19.62	19.55		
20	256QAM	1	0	18.09	18.33	18.19	18.19	19	1.5
20	256QAM	1	49	18.05	18.29	18.04	18.13		
20	256QAM	1	99	18.06	18.23	18.15	18.16		
20	256QAM	50	0	18.12	18.18	18.08	18.03	19	1.5
20	256QAM	50	24	17.99	18.16	18.03	18.06		
20	256QAM	50	50	18.13	18.17	18.01	18.08		
20	256QAM	100	0	17.95	18.08	18.06	18.02		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	19.70	19.80	19.68	19.59	20.5	0
15	QPSK	1	37	19.64	19.76	19.66	19.50		
15	QPSK	1	74	19.66	19.75	19.62	19.58		
15	QPSK	36	0	19.77	19.80	19.68	19.61	20.5	0
15	QPSK	36	20	19.58	19.78	19.50	19.79		
15	QPSK	36	39	19.64	19.66	19.73	19.46		
15	QPSK	75	0	19.73	19.84	19.64	19.65		
15	16QAM	1	0	19.50	19.74	19.56	19.67	20.5	0
15	16QAM	1	37	19.72	19.74	19.63	19.55		
15	16QAM	1	74	19.78	19.79	19.57	19.73		
15	16QAM	36	0	19.54	19.69	19.62	19.53	20.5	0
15	16QAM	36	20	19.46	19.70	19.51	19.50		
15	16QAM	36	39	19.45	19.47	19.53	19.52		
15	16QAM	75	0	19.45	19.49	19.40	19.44		
15	64QAM	1	0	19.66	19.71	19.68	19.69	20.5	0
15	64QAM	1	37	19.63	19.68	19.55	19.56		
15	64QAM	1	74	19.56	19.64	19.47	19.49		
15	64QAM	36	0	19.41	19.60	19.44	19.52	20.5	0
15	64QAM	36	20	19.79	19.85	19.67	19.69		
15	64QAM	36	39	19.56	19.62	19.59	19.46		
15	64QAM	75	0	19.51	19.55	19.49	19.40		
15	256QAM	1	0	17.94	18.21	18.06	18.12	19	1.5
15	256QAM	1	37	17.96	18.24	17.96	18.04		
15	256QAM	1	74	18.00	18.06	18.04	18.05		
15	256QAM	36	0	18.05	18.13	17.92	17.93	19	1.5
15	256QAM	36	20	17.83	18.01	17.97	18.01		
15	256QAM	36	39	18.08	18.08	17.86	17.96		
15	256QAM	75	0	17.87	17.93	18.02	17.92		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	19.67	19.79	19.61	19.59	20.5	0
10	QPSK	1	25	19.65	19.78	19.67	19.47		
10	QPSK	1	49	19.67	19.78	19.67	19.56		
10	QPSK	25	0	19.68	19.83	19.71	19.61	20.5	0
10	QPSK	25	12	19.62	19.68	19.51	19.73		
10	QPSK	25	25	19.55	19.63	19.75	19.47		
10	QPSK	50	0	19.68	19.80	19.50	19.56		
10	16QAM	1	0	19.48	19.76	19.50	19.62	20.5	0
10	16QAM	1	25	19.72	19.81	19.62	19.49		
10	16QAM	1	49	19.77	19.79	19.61	19.80		
10	16QAM	25	0	19.54	19.60	19.53	19.48	20.5	0
10	16QAM	25	12	19.56	19.71	19.52	19.48		
10	16QAM	25	25	19.49	19.46	19.53	19.53		
10	16QAM	50	0	19.31	19.54	19.31	19.45		
10	64QAM	1	0	19.62	19.69	19.63	19.60	20.5	0
10	64QAM	1	25	19.59	19.66	19.61	19.60		
10	64QAM	1	49	19.57	19.64	19.54	19.49		
10	64QAM	25	0	19.43	19.67	19.45	19.40	20.5	0
10	64QAM	25	12	19.77	19.88	19.68	19.64		
10	64QAM	25	25	19.58	19.51	19.60	19.58		
10	64QAM	50	0	19.41	19.68	19.46	19.51		
10	256QAM	1	0	17.93	18.27	18.13	18.10	19	1.5
10	256QAM	1	25	18.00	18.12	17.99	18.02		
10	256QAM	1	49	17.89	18.09	18.08	18.07		
10	256QAM	25	0	18.07	18.11	18.01	17.92	19	1.5
10	256QAM	25	12	17.92	18.00	17.91	18.00		
10	256QAM	25	25	18.06	18.10	17.89	18.03		
10	256QAM	50	0	17.83	17.94	17.97	17.86		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	19.76	19.78	19.73	19.67	20.5	0
5	QPSK	1	12	19.63	19.66	19.65	19.46		
5	QPSK	1	24	19.66	19.74	19.71	19.59		
5	QPSK	12	0	19.68	19.77	19.67	19.63	20.5	0
5	QPSK	12	7	19.50	19.68	19.60	19.76		
5	QPSK	12	13	19.64	19.67	19.73	19.56		
5	QPSK	25	0	19.67	19.79	19.54	19.63		
5	16QAM	1	0	19.53	19.69	19.48	19.58	20.5	0
5	16QAM	1	12	19.69	19.70	19.58	19.53		
5	16QAM	1	24	19.71	19.77	19.66	19.72		
5	16QAM	12	0	19.51	19.68	19.65	19.52	20.5	0
5	16QAM	12	7	19.48	19.60	19.56	19.56		
5	16QAM	12	13	19.48	19.43	19.51	19.55		
5	16QAM	25	0	19.33	19.48	19.30	19.44		
5	64QAM	1	0	19.53	19.79	19.62	19.62	20.5	0
5	64QAM	1	12	19.61	19.59	19.62	19.52		
5	64QAM	1	24	19.55	19.61	19.48	19.54		
5	64QAM	12	0	19.49	19.63	19.54	19.44	20.5	0
5	64QAM	12	7	19.71	19.87	19.72	19.61		
5	64QAM	12	13	19.65	19.60	19.62	19.54		
5	64QAM	25	0	19.41	19.65	19.52	19.41		
5	256QAM	1	0	18.04	18.27	18.03	18.06	19	1.5
5	256QAM	1	12	17.95	18.25	17.93	17.99		
5	256QAM	1	24	17.92	18.13	18.02	18.01		
5	256QAM	12	0	18.08	18.10	18.01	17.99	19	1.5
5	256QAM	12	7	17.87	18.05	17.87	18.02		
5	256QAM	12	13	18.01	18.06	17.96	17.96		
5	256QAM	25	0	17.90	18.05	17.92	17.94		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3560	3609	3641	3690		
20	QPSK	1	0	18.31	18.39	18.28	18.24	19.5	0
20	QPSK	1	49	18.22	18.33	18.21	18.15		
20	QPSK	1	99	18.12	18.24	18.18	18.16		
20	QPSK	50	0	18.29	18.31	18.20	18.19	19.5	0
20	QPSK	50	24	18.22	18.30	18.15	18.02		
20	QPSK	50	50	18.04	18.16	18.16	18.11		
20	QPSK	100	0	18.20	18.29	18.21	18.18		
20	16QAM	1	0	18.07	18.12	18.14	18.10	19.5	0
20	16QAM	1	49	18.10	18.11	18.16	18.16		
20	16QAM	1	99	18.16	18.18	18.03	18.15		
20	16QAM	50	0	18.05	18.07	18.08	18.10	19.5	0
20	16QAM	50	24	17.99	18.13	17.98	17.93		
20	16QAM	50	50	17.96	18.12	17.94	17.95		
20	16QAM	100	0	17.96	18.09	17.93	17.95		
20	64QAM	1	0	18.09	18.16	18.12	18.06	19.5	0
20	64QAM	1	49	18.00	18.10	18.06	18.10		
20	64QAM	1	99	18.18	18.23	18.02	18.09		
20	64QAM	50	0	18.11	18.25	18.16	18.09	19.5	0
20	64QAM	50	24	17.98	18.09	18.01	17.90		
20	64QAM	50	50	17.98	18.17	18.06	18.02		
20	64QAM	100	0	18.11	18.12	18.08	18.11		
20	256QAM	1	0	16.31	16.41	16.32	16.23	17.5	2
20	256QAM	1	49	16.15	16.13	16.17	16.15		
20	256QAM	1	99	16.21	16.35	16.19	16.14		
20	256QAM	50	0	16.05	16.15	16.03	15.91	17.5	2
20	256QAM	50	24	16.11	16.05	16.06	15.94		
20	256QAM	50	50	15.95	16.03	15.93	15.91		
20	256QAM	100	0	16.02	16.14	16.01	15.98		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	18.22	18.35	18.20	18.14	19.5	0
15	QPSK	1	37	18.12	18.21	18.11	18.10		
15	QPSK	1	74	18.06	18.15	18.08	18.10		
15	QPSK	36	0	18.19	18.20	18.10	18.14	19.5	0
15	QPSK	36	20	18.12	18.20	18.04	17.87		
15	QPSK	36	39	17.98	18.10	18.06	18.01		
15	QPSK	75	0	18.11	18.13	18.17	18.02		
15	16QAM	1	0	18.03	18.05	18.09	18.07	19.5	0
15	16QAM	1	37	17.96	18.06	18.11	18.05		
15	16QAM	1	74	18.02	18.04	17.90	18.04		
15	16QAM	36	0	17.93	18.03	17.97	18.01	19.5	0
15	16QAM	36	20	17.89	17.98	17.95	17.82		
15	16QAM	36	39	17.81	18.03	17.80	17.83		
15	16QAM	75	0	17.81	17.94	17.85	17.90		
15	64QAM	1	0	17.94	18.10	18.03	17.98	19.5	0
15	64QAM	1	37	17.84	18.06	17.92	17.94		
15	64QAM	1	74	18.01	18.13	17.87	17.95		
15	64QAM	36	0	18.07	18.16	18.02	17.95	19.5	0
15	64QAM	36	20	17.89	17.95	17.95	17.76		
15	64QAM	36	39	17.88	18.03	17.97	17.91		
15	64QAM	75	0	17.99	18.01	17.99	17.98		
15	256QAM	1	0	16.16	16.34	16.22	16.19	17.5	2
15	256QAM	1	37	16.05	15.98	16.04	16.01		
15	256QAM	1	74	16.10	16.31	16.07	16.10		
15	256QAM	36	0	15.91	16.04	15.88	15.88	17.5	2
15	256QAM	36	20	16.06	15.95	15.96	15.90		
15	256QAM	36	39	15.86	15.92	15.86	15.81		
15	256QAM	75	0	15.90	16.05	15.90	15.90		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	18.24	18.32	18.12	18.10	19.5	0
10	QPSK	1	25	18.07	18.25	18.16	18.05		
10	QPSK	1	49	18.09	18.15	18.13	18.04		
10	QPSK	25	0	18.22	18.16	18.04	18.10	19.5	0
10	QPSK	25	12	18.14	18.20	17.99	17.97		
10	QPSK	25	25	17.91	18.07	18.13	18.02		
10	QPSK	50	0	18.06	18.16	18.11	18.14		
10	16QAM	1	0	17.97	18.04	18.09	17.97	19.5	0
10	16QAM	1	25	17.99	17.95	18.07	18.04		
10	16QAM	1	49	18.09	18.08	17.97	18.02		
10	16QAM	25	0	17.99	17.90	18.01	18.02	19.5	0
10	16QAM	25	12	17.87	18.10	17.92	17.87		
10	16QAM	25	25	17.86	18.01	17.78	17.88		
10	16QAM	50	0	17.80	18.03	17.83	17.79		
10	64QAM	1	0	18.01	18.04	18.08	17.93	19.5	0
10	64QAM	1	25	17.89	17.97	17.97	18.04		
10	64QAM	1	49	18.12	18.12	17.88	18.02		
10	64QAM	25	0	18.08	18.13	18.07	18.05	19.5	0
10	64QAM	25	12	17.91	17.96	17.92	17.87		
10	64QAM	25	25	17.85	18.06	18.00	17.97		
10	64QAM	50	0	17.97	17.98	18.04	18.04		
10	256QAM	1	0	16.24	16.30	16.24	16.12	17.5	2
10	256QAM	1	25	16.03	16.02	16.03	16.03		
10	256QAM	1	49	16.12	16.25	16.15	16.02		
10	256QAM	25	0	15.98	16.02	15.89	15.85	17.5	2
10	256QAM	25	12	16.04	15.93	15.94	15.80		
10	256QAM	25	25	15.87	15.92	15.78	15.81		
10	256QAM	50	0	15.94	16.05	15.94	15.87		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3643	3697.5		
5	QPSK	1	0	18.25	18.31	18.21	18.19	19.5	0
5	QPSK	1	12	18.10	18.25	18.05	18.03		
5	QPSK	1	24	18.05	18.11	18.12	18.12		
5	QPSK	12	0	18.14	18.18	18.11	18.08	19.5	0
5	QPSK	12	7	18.18	18.17	18.06	17.94		
5	QPSK	12	13	17.89	18.04	18.01	17.98		
5	QPSK	25	0	18.09	18.21	18.05	18.13		
5	16QAM	1	0	17.90	18.05	18.08	18.07	19.5	0
5	16QAM	1	12	18.03	18.07	18.08	18.11		
5	16QAM	1	24	18.11	18.08	17.92	18.09		
5	16QAM	12	0	17.94	18.01	17.97	18.05	19.5	0
5	16QAM	12	7	17.93	18.09	17.93	17.81		
5	16QAM	12	13	17.89	18.03	17.85	17.90		
5	16QAM	25	0	17.93	18.06	17.85	17.83		
5	64QAM	1	0	18.04	18.08	18.00	17.99	19.5	0
5	64QAM	1	12	17.90	17.98	18.01	17.96		
5	64QAM	1	24	18.06	18.18	17.94	18.02		
5	64QAM	12	0	17.97	18.19	18.05	18.05	19.5	0
5	64QAM	12	7	17.92	17.95	17.95	17.81		
5	64QAM	12	13	17.93	18.07	18.02	17.98		
5	64QAM	25	0	18.03	18.01	17.94	17.99		
5	256QAM	1	0	16.23	16.37	16.28	16.14	17.5	2
5	256QAM	1	12	16.05	16.01	16.11	16.11		
5	256QAM	1	24	16.13	16.23	16.05	16.02		
5	256QAM	12	0	15.99	16.02	15.91	15.81	17.5	2
5	256QAM	12	7	15.99	16.02	16.01	15.82		
5	256QAM	12	13	15.92	15.89	15.86	15.81		
5	256QAM	25	0	15.96	16.08	15.88	15.91		

Band 48 Ant7 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3680	3609	3641	3690		
20	QPSK	1	0	21.31	21.36	21.34	21.27	22.5	0
20	QPSK	1	49	21.22	21.25	21.16	21.29		
20	QPSK	1	99	21.24	21.35	21.19	21.15		
20	QPSK	50	0	20.27	20.33	20.19	20.08	21.5	1
20	QPSK	50	24	20.21	20.21	20.08	20.05		
20	QPSK	50	50	20.23	20.30	20.18	20.19		
20	QPSK	100	0	20.15	20.36	20.26	20.21		
20	16QAM	1	0	19.98	20.24	20.09	20.01	21.5	1
20	16QAM	1	49	19.98	20.14	20.10	19.96		
20	16QAM	1	99	20.12	20.19	20.08	20.10		
20	16QAM	50	0	19.12	19.23	19.22	19.11	20.5	2
20	16QAM	50	24	19.17	19.23	19.07	19.03		
20	16QAM	50	50	19.16	19.21	19.14	19.01		
20	16QAM	100	0	19.21	19.24	19.24	19.15		
20	64QAM	1	0	19.07	19.29	19.12	18.98	20.5	2
20	64QAM	1	49	18.99	19.11	19.14	19.07		
20	64QAM	1	99	19.10	19.26	19.02	18.98		
20	64QAM	50	0	18.22	18.34	18.31	18.15	19.5	3
20	64QAM	50	24	18.05	18.17	18.07	18.03		
20	64QAM	50	50	18.10	18.31	18.23	18.14		
20	64QAM	100	0	18.22	18.21	18.20	18.18		
20	256QAM	1	0	16.43	16.54	16.40	16.36	17.5	5
20	256QAM	1	49	16.27	16.20	16.32	16.32		
20	256QAM	1	99	16.34	16.51	16.30	16.31		
20	256QAM	50	0	16.11	16.20	16.18	16.00	17.5	5
20	256QAM	50	24	16.22	16.11	16.15	16.11		
20	256QAM	50	50	16.04	16.11	16.00	16.08		
20	256QAM	100	0	16.18	16.25	16.15	16.14		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.5	3608	3642	3692.5		
15	QPSK	1	0	21.21	21.28	21.20	21.16	22.5	0
15	QPSK	1	37	21.14	21.11	21.07	21.24		
15	QPSK	1	74	21.12	21.22	21.08	21.02		
15	QPSK	36	0	20.18	20.18	20.11	19.99	21.5	1
15	QPSK	36	20	20.14	20.13	20.04	19.91		
15	QPSK	36	39	20.14	20.16	20.11	20.09		
15	QPSK	75	0	20.03	20.25	20.17	20.10		
15	16QAM	1	0	19.94	20.13	20.00	19.87	21.5	1
15	16QAM	1	37	19.89	20.01	20.03	19.89		
15	16QAM	1	74	19.99	20.07	19.99	19.98		
15	16QAM	36	0	19.08	19.09	19.17	19.04	20.5	2
15	16QAM	36	20	19.02	19.19	18.93	18.99		
15	16QAM	36	39	19.03	19.13	19.00	18.87		
15	16QAM	75	0	19.11	19.15	19.20	19.10		
15	64QAM	1	0	18.92	19.15	18.98	18.88	20.5	2
15	64QAM	1	37	18.94	19.04	19.05	18.97		
15	64QAM	1	74	19.00	19.13	18.95	18.91		
15	64QAM	36	0	18.14	18.19	18.21	18.08	19.5	3
15	64QAM	36	20	17.97	18.14	17.96	17.94		
15	64QAM	36	39	18.00	18.17	18.13	18.09		
15	64QAM	75	0	18.09	18.13	18.13	18.06		
15	256QAM	1	0	16.36	16.40	16.34	16.30	17.5	5
15	256QAM	1	37	16.23	16.15	16.20	16.24		
15	256QAM	1	74	16.27	16.36	16.21	16.20		
15	256QAM	36	0	16.02	16.07	16.11	15.93	17.5	5
15	256QAM	36	20	16.14	16.01	16.03	16.03		
15	256QAM	36	39	16.00	16.03	15.89	15.95		
15	256QAM	75	0	16.07	16.14	16.07	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3607.5	3642.5	3695		
10	QPSK	1	0	21.27	21.32	21.23	21.22	22.5	0
10	QPSK	1	25	21.09	21.20	21.10	21.21		
10	QPSK	1	49	21.13	21.22	21.15	21.10		
10	QPSK	25	0	20.20	20.24	20.10	19.93	21.5	1
10	QPSK	25	12	20.18	20.16	19.94	19.94		
10	QPSK	25	25	20.09	20.22	20.12	20.11		
10	QPSK	50	0	20.09	20.27	20.22	20.11		
10	16QAM	1	0	19.91	20.12	19.99	19.94	21.5	1
10	16QAM	1	25	19.86	20.02	20.05	19.87		
10	16QAM	1	49	20.03	20.15	20.03	19.99		
10	16QAM	25	0	19.02	19.17	19.16	18.99	20.5	2
10	16QAM	25	12	19.12	19.11	18.94	19.00		
10	16QAM	25	25	19.03	19.08	19.07	18.89		
10	16QAM	50	0	19.14	19.13	19.12	19.07		
10	64QAM	1	0	18.92	19.16	19.08	18.85	20.5	2
10	64QAM	1	25	18.92	19.00	19.10	18.98		
10	64QAM	1	49	19.02	19.17	18.91	18.87		
10	64QAM	25	0	18.08	18.23	18.24	18.09	19.5	3
10	64QAM	25	12	17.95	18.09	17.92	17.93		
10	64QAM	25	25	18.05	18.24	18.18	18.03		
10	64QAM	50	0	18.12	18.07	18.15	18.06		
10	256QAM	1	0	16.35	16.48	16.30	16.33	17.5	5
10	256QAM	1	25	16.24	16.06	16.29	16.18		
10	256QAM	1	49	16.26	16.46	16.25	16.17		
10	256QAM	25	0	15.97	16.15	16.06	15.93	17.5	5
10	256QAM	25	12	16.16	16.02	16.04	16.03		
10	256QAM	25	25	16.00	16.03	15.93	15.98		
10	256QAM	50	0	16.12	16.19	16.11	16.02		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3552.5	3607	3645	3697.5		
5	QPSK	1	0	21.19	21.28	21.25	21.24	22.5	0
5	QPSK	1	12	21.12	21.17	21.03	21.25		
5	QPSK	1	24	21.16	21.28	21.09	21.04		
5	QPSK	12	0	20.20	20.24	20.14	19.93	21.5	1
5	QPSK	12	7	20.06	20.07	19.93	19.96		
5	QPSK	12	13	20.18	20.26	20.10	20.15		
5	QPSK	25	0	20.11	20.25	20.12	20.08		
5	16QAM	1	0	19.86	20.15	20.04	19.91	21.5	1
5	16QAM	1	12	19.84	20.01	19.98	19.90		
5	16QAM	1	24	20.08	20.05	20.04	20.06		
5	16QAM	12	0	19.05	19.18	19.15	19.06	20.5	2
5	16QAM	12	7	19.03	19.19	19.04	18.96		
5	16QAM	12	13	19.01	19.11	19.06	18.86		
5	16QAM	25	0	19.12	19.18	19.09	19.10		
5	64QAM	1	0	19.03	19.23	19.04	18.87	20.5	2
5	64QAM	1	12	18.92	19.02	19.00	18.96		
5	64QAM	1	24	19.01	19.14	18.96	18.83		
5	64QAM	12	0	18.14	18.21	18.19	18.01	19.5	3
5	64QAM	12	7	18.01	18.06	18.01	17.99		
5	64QAM	12	13	18.00	18.28	18.12	18.09		
5	64QAM	25	0	18.16	18.15	18.12	18.08		
5	256QAM	1	0	16.28	16.44	16.32	16.33	17.5	5
5	256QAM	1	12	16.20	16.17	16.29	16.19		
5	256QAM	1	24	16.23	16.46	16.25	16.26		
5	256QAM	12	0	16.02	16.16	16.15	15.86	17.5	5
5	256QAM	12	7	16.12	15.99	16.06	16.02		
5	256QAM	12	13	15.92	15.97	15.95	15.94		
5	256QAM	25	0	16.06	16.15	16.07	16.11		

Band 48 Ant8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				55340	55830	56150	56640		
Frequency (MHz)				3660	3609	3641	3695		
20	QPSK	1	0	21.29	21.40	21.36	21.25	22.5	0
20	QPSK	1	49	21.17	21.25	21.13	21.30		
20	QPSK	1	99	21.15	21.34	21.13	21.12		
20	QPSK	50	0	20.19	20.38	20.21	20.04	21.5	1
20	QPSK	50	24	20.13	20.18	19.98	20.06		
20	QPSK	50	50	20.13	20.32	20.18	20.09		
20	QPSK	100	0	20.13	20.38	20.28	20.20		
20	16QAM	1	0	19.96	20.21	20.03	19.89	21.5	1
20	16QAM	1	49	19.92	20.04	20.13	19.94		
20	16QAM	1	99	20.00	20.15	20.04	20.04		
20	16QAM	50	0	19.05	19.18	19.17	19.15	20.5	2
20	16QAM	50	24	19.24	19.14	19.07	19.01		
20	16QAM	50	50	19.10	19.23	19.14	19.04		
20	16QAM	100	0	19.22	19.19	19.18	19.15		
20	64QAM	1	0	19.09	19.24	19.19	18.88	20.5	2
20	64QAM	1	49	19.06	19.02	19.15	19.09		
20	64QAM	1	99	19.05	19.19	18.92	19.02		
20	64QAM	50	0	18.18	18.34	18.33	18.08	19.5	3
20	64QAM	50	24	17.95	18.10	18.00	17.98		
20	64QAM	50	50	18.00	18.28	18.24	18.18		
20	64QAM	100	0	18.17	18.15	18.15	18.14		
20	256QAM	1	0	16.46	16.53	16.40	16.41	17.5	5
20	256QAM	1	49	16.23	16.10	16.31	16.25		
20	256QAM	1	99	16.27	16.51	16.25	16.23		
20	256QAM	50	0	16.11	16.10	16.07	15.89	17.5	5
20	256QAM	50	24	16.24	16.15	16.07	16.03		
20	256QAM	50	50	15.99	16.08	16.08	15.95		
20	256QAM	100	0	16.13	16.21	16.03	16.19		
Channel				55315	55820	56160	56665	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3657.5	3608	3642	3692.5		
15	QPSK	1	0	21.31	21.32	21.34	21.22	22.5	0
15	QPSK	1	37	21.09	21.26	21.08	21.30		
15	QPSK	1	74	21.23	21.25	21.21	21.15		
15	QPSK	36	0	20.22	20.32	20.20	20.01	21.5	1
15	QPSK	36	20	20.16	20.20	20.02	20.01		
15	QPSK	36	39	20.16	20.31	20.19	20.12		
15	QPSK	75	0	20.07	20.30	20.28	20.16		
15	16QAM	1	0	19.98	20.20	20.07	19.87	21.5	1
15	16QAM	1	37	19.90	20.05	20.12	19.93		
15	16QAM	1	74	20.05	20.25	20.06	20.01		
15	16QAM	36	0	19.08	19.25	19.22	19.12	20.5	2
15	16QAM	36	20	19.15	19.20	19.10	18.90		
15	16QAM	36	39	19.06	19.17	19.04	18.98		
15	16QAM	75	0	19.12	19.20	19.21	19.08		
15	64QAM	1	0	19.15	19.34	19.16	18.95	20.5	2
15	64QAM	1	37	19.05	19.12	19.18	19.06		
15	64QAM	1	74	19.07	19.17	18.91	19.02		
15	64QAM	36	0	18.22	18.39	18.31	18.13	19.5	3
15	64QAM	36	20	17.93	18.07	17.99	17.97		
15	64QAM	36	39	18.10	18.33	18.21	18.18		
15	64QAM	75	0	18.13	18.18	18.06	18.14		
15	256QAM	1	0	16.43	16.47	16.43	16.32	17.5	5
15	256QAM	1	37	16.23	16.08	16.27	16.27		
15	256QAM	1	74	16.32	16.41	16.24	16.25		
15	256QAM	36	0	16.03	16.12	16.11	15.96	17.5	5
15	256QAM	36	20	16.19	16.08	16.08	16.00		
15	256QAM	36	39	16.03	16.06	16.06	15.96		
15	256QAM	75	0	16.13	16.20	16.05	16.10		
Channel				55290	55815	56165	56690	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3655	3607.5	3642.5	3695		
10	QPSK	1	0	21.25	21.34	21.28	21.19	22.5	0
10	QPSK	1	25	21.16	21.19	21.06	21.32		
10	QPSK	1	49	21.17	21.31	21.11	21.13		
10	QPSK	25	0	20.17	20.30	20.21	20.03	21.5	1
10	QPSK	25	12	20.19	20.21	20.06	20.05		
10	QPSK	25	25	20.16	20.31	20.20	20.10		
10	QPSK	50	0	20.13	20.34	20.29	20.15		
10	16QAM	1	0	19.97	20.26	20.08	19.97	21.5	1
10	16QAM	1	25	19.87	20.12	20.04	19.89		
10	16QAM	1	49	20.06	20.17	19.97	20.03		
10	16QAM	25	0	19.08	19.20	19.24	19.10	20.5	2
10	16QAM	25	12	19.17	19.17	19.07	18.96		
10	16QAM	25	25	19.06	19.14	19.05	19.07		
10	16QAM	50	0	19.15	19.25	19.18	19.11		
10	64QAM	1	0	19.11	19.35	19.17	18.90	20.5	2
10	64QAM	1	25	19.00	19.10	19.17	19.03		
10	64QAM	1	49	19.03	19.25	18.91	18.91		
10	64QAM	25	0	18.24	18.40	18.31	18.09	19.5	3
10	64QAM	25	12	17.91	18.08	17.97	17.99		
10	64QAM	25	25	18.05	18.28	18.26	18.17		
10	64QAM	50	0	18.13	18.14	18.14	18.19		
10	256QAM	1	0	16.44	16.51	16.43	16.35	17.5	5
10	256QAM	1	25	16.31	16.08	16.27	16.22		
10	256QAM	1	49	16.23	16.40	16.34	16.28		
10	256QAM	25	0	16.02	16.09	16.11	15.99	17.5	5
10	256QAM	25	12	16.21	16.05	16.04	15.98		
10	256QAM	25	25	15.97	16.07	16.06	16.00		
10	256QAM	50	0	16.14	16.23	16.10	16.11		
Channel				55265	55810	56170	56715	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3652.5	3607	3645	3697.5		
5	QPSK	1	0	21.14	21.34	21.29	21.20	22.5	0
5	QPSK	1	12	21.10	21.14	21.00	21.23		
5	QPSK	1	24	21.10	21.22	21.03	21.04		
5	QPSK	12	0	20.15	20.26	20.08	19.92	21.5	1
5	QPSK	12	7	20.07	20.08	19.85	19.94		
5	QPSK	12	13	20.08	20.18	20.08	19.95		
5	QPSK	25	0	20.04	20.33	20.17	20.07		
5	16QAM	1	0	19.93	20.13	19.96	19.82	21.5	1
5	16QAM	1	12	19.78	19.90	20.09	19.82		
5	16QAM	1	24	19.93	20.07	19.92	19.91		
5	16QAM	12	0	18.96	19.12	19.11	19.03	20.5	2
5	16QAM	12	7	19.16	19.11	19.02	18.95		
5	16QAM	12	13	19.01	19.09	19.05	18.94		
5	16QAM	25	0	19.10	19.10	19.07	19.07		
5	64QAM	1	0	19.04	19.20	19.15	18.75	20.5	2
5	64QAM	1	12	18.93	18.95	19.03	19.04		
5	64QAM	1	24	18.92	19.14	18.80	18.97		
5	64QAM	12	0	18.09	18.24	18.22	18.02	19.5	3
5	64QAM	12	7	17.85	17.99	17.93	17.91		
5	64QAM	12	13	17.91	18.13	18.19	18.08		
5	64QAM	25	0	18.07	18.05	18.09	18.03		
5	256QAM	1	0	16.41	16.39	16.35	16.37	17.5	5
5	256QAM	1	12	16.18	16.02	16.25	16.12		
5	256QAM	1	24	16.21	16.37	16.11	16.19		
5	256QAM	12	0	15.99	16.03	16.00	15.83	17.5	5
5	256QAM	12	7	16.21	16.12	15.96	15.97		
5	256QAM	12	13	15.87	16.04	16.01	15.87		
5	256QAM	25	0	15.99	16.11	15.89	16.14		

Full&Default Power Mode Other PA

Band 5 Other PA Ant0 Default

BW [MHz]	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	24.37	24.62	24.37	25.5	0
10	QPSK	1	25	24.51	24.52	24.22		
10	QPSK	1	49	24.26	24.48	24.38		
10	QPSK	25	0	23.51	23.59	23.44	24.5	1
10	QPSK	25	12	23.49	23.48	23.37		
10	QPSK	25	25	23.22	23.40	23.32		
10	QPSK	50	0	23.48	23.61	23.41		
10	16QAM	1	0	23.49	23.60	23.60	24.5	1
10	16QAM	1	25	23.35	23.48	23.39		
10	16QAM	1	49	23.66	23.58	23.41		
10	16QAM	25	0	22.54	22.64	22.51	23.5	2
10	16QAM	25	12	22.66	22.56	22.44		
10	16QAM	25	25	22.50	22.48	22.35		
10	16QAM	50	0	22.51	22.44	22.39		
10	64QAM	1	0	22.67	22.70	22.40	23.5	2
10	64QAM	1	25	22.39	22.77	22.37		
10	64QAM	1	49	22.42	22.41	22.43		
10	64QAM	25	0	21.50	21.51	21.55	22.5	3
10	64QAM	25	12	21.28	21.40	21.28		
10	64QAM	25	25	21.23	21.46	21.49		
10	64QAM	50	0	21.34	21.41	21.27		
10	256QAM	1	0	19.49	19.60	19.47	20.5	5
10	256QAM	1	25	19.28	19.42	19.49		
10	256QAM	1	49	19.57	19.44	19.42		
10	256QAM	25	0	19.40	19.44	19.44	20.5	5
10	256QAM	25	12	19.14	19.43	19.48		
10	256QAM	25	25	19.40	19.55	19.42		
10	256QAM	50	0	19.26	19.45	19.36		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.25	24.48	24.14	25.5	0
5	QPSK	1	12	24.50	24.45	24.17		
5	QPSK	1	24	24.04	24.25	24.23		
5	QPSK	12	0	23.29	23.50	23.39	24.5	1
5	QPSK	12	7	23.37	23.26	23.20		
5	QPSK	12	13	23.16	23.16	23.21		
5	QPSK	25	0	23.38	23.45	23.21		
5	16QAM	1	0	23.46	23.53	23.56	24.5	1
5	16QAM	1	12	23.20	23.43	23.22		
5	16QAM	1	24	23.55	23.53	23.34		
5	16QAM	12	0	22.50	22.58	22.43	23.5	2
5	16QAM	12	7	22.49	22.54	22.30		
5	16QAM	12	13	22.47	22.24	22.11		
5	16QAM	25	0	22.32	22.38	22.28		
5	64QAM	1	0	22.58	22.58	22.27	23.5	2
5	64QAM	1	12	22.28	22.77	22.29		
5	64QAM	1	24	22.41	22.36	22.39		
5	64QAM	12	0	21.41	21.39	21.44	22.5	3
5	64QAM	12	7	21.10	21.17	21.26		
5	64QAM	12	13	21.10	21.46	21.45		
5	64QAM	25	0	21.31	21.37	21.11		
5	256QAM	1	0	19.36	19.52	19.24	20.5	5
5	256QAM	1	12	19.28	19.25	19.31		
5	256QAM	1	24	19.39	19.41	19.29		
5	256QAM	12	0	19.28	19.27	19.21	20.5	5
5	256QAM	12	7	19.09	19.29	19.25		
5	256QAM	12	13	19.40	19.43	19.34		
5	256QAM	25	0	19.06	19.31	19.32		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.15	24.55	24.15	25.5	0
3	QPSK	1	8	24.48	24.48	24.14		
3	QPSK	1	14	24.11	24.27	24.30		
3	QPSK	8	0	23.32	23.43	23.23	24.5	1
3	QPSK	8	4	23.44	23.42	23.16		
3	QPSK	8	7	23.20	23.39	23.32		
3	QPSK	15	0	23.27	23.57	23.21		
3	16QAM	1	0	23.36	23.41	23.55	24.5	1
3	16QAM	1	8	23.31	23.36	23.37		
3	16QAM	1	14	23.57	23.43	23.23		
3	16QAM	8	0	22.54	22.58	22.28	23.5	2
3	16QAM	8	4	22.46	22.56	22.32		
3	16QAM	8	7	22.44	22.24	22.23		
3	16QAM	15	0	22.35	22.26	22.30		
3	64QAM	1	0	22.56	22.51	22.32	23.5	2
3	64QAM	1	8	22.30	22.66	22.28		
3	64QAM	1	14	22.35	22.29	22.29		
3	64QAM	8	0	21.45	21.31	21.33	22.5	3
3	64QAM	8	4	21.08	21.20	21.28		
3	64QAM	8	7	21.16	21.34	21.36		
3	64QAM	15	0	21.21	21.35	21.19		
3	256QAM	1	0	19.28	19.46	19.45	20.5	5
3	256QAM	1	8	19.11	19.30	19.32		
3	256QAM	1	14	19.43	19.29	19.38		
3	256QAM	8	0	19.18	19.24	19.42	20.5	5
3	256QAM	8	4	19.13	19.42	19.31		
3	256QAM	8	7	19.38	19.49	19.34		
3	256QAM	15	0	19.09	19.22	19.27		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.31	24.47	24.17	25.5	0
1.4	QPSK	1	3	24.28	24.36	24.12		
1.4	QPSK	1	5	24.07	24.45	24.32		
1.4	QPSK	3	0	24.12	24.31	24.03		
1.4	QPSK	3	1	24.18	24.29	24.07		
1.4	QPSK	3	3	24.05	24.31	24.25		
1.4	QPSK	6	0	23.31	23.57	23.25	24.5	1
1.4	16QAM	1	0	23.44	23.49	23.38	24.5	1
1.4	16QAM	1	3	23.30	23.37	23.25		
1.4	16QAM	1	5	23.65	23.57	23.38		
1.4	16QAM	3	0	23.31	23.38	23.19		
1.4	16QAM	3	1	23.15	23.21	23.17		
1.4	16QAM	3	3	23.43	23.48	23.33		
1.4	16QAM	6	0	22.44	22.36	22.33	23.5	2
1.4	64QAM	1	0	22.50	22.61	22.37	23.5	2
1.4	64QAM	1	3	22.39	22.59	22.19		
1.4	64QAM	1	5	22.40	22.39	22.28		
1.4	64QAM	3	0	22.28	22.52	22.18		
1.4	64QAM	3	1	22.17	22.56	22.23		
1.4	64QAM	3	3	22.26	22.36	22.26		
1.4	64QAM	6	0	21.31	21.28	21.14	22.5	3
1.4	256QAM	1	0	19.42	19.54	19.46	20.5	5
1.4	256QAM	1	3	19.36	19.32	19.41		
1.4	256QAM	1	5	19.55	19.27	19.40		
1.4	256QAM	3	0	19.34	19.38	19.40		
1.4	256QAM	3	1	19.26	19.39	19.39		
1.4	256QAM	3	3	19.39	19.52	19.36		
1.4	256QAM	6	0	19.02	19.37	19.33	20.5	5

Band 2 Other PA Ant1 Default

BW [MHz]	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	23.96	24.32	23.99		
20	QPSK	1	49	23.86	24.23	23.99	25.5	0
20	QPSK	1	99	23.93	24.07	24.16		
20	QPSK	50	0	23.22	23.24	23.21		
20	QPSK	50	24	23.11	23.13	23.08	24.5	1
20	QPSK	50	50	22.94	23.00	23.14		
20	QPSK	100	0	23.17	23.32	23.17		
20	16QAM	1	0	23.17	23.26	23.35		
20	16QAM	1	49	23.16	23.16	23.18	24.5	1
20	16QAM	1	99	23.32	23.39	23.00		
20	16QAM	50	0	22.35	22.26	22.16		
20	16QAM	50	24	22.34	22.35	22.13	23.5	2
20	16QAM	50	50	22.13	22.11	22.12		
20	16QAM	100	0	22.13	22.19	22.00		
20	64QAM	1	0	22.39	22.36	22.03		
20	64QAM	1	49	22.07	22.49	22.19	23.5	2
20	64QAM	1	99	22.22	22.22	22.13		
20	64QAM	50	0	21.13	21.31	21.31		
20	64QAM	50	24	20.91	21.21	21.08	22.5	3
20	64QAM	50	50	20.84	21.18	21.25		
20	64QAM	100	0	21.12	21.04	20.90		
20	256QAM	1	0	19.27	19.28	19.25		
20	256QAM	1	49	18.99	19.00	19.25	20.5	5
20	256QAM	1	99	19.24	19.23	19.13		
20	256QAM	50	0	19.19	19.19	19.04		
20	256QAM	50	24	18.77	19.24	19.19	20.5	5
20	256QAM	50	50	19.07	19.26	19.14		
20	256QAM	100	0	19.05	19.21	19.05		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.98	24.30	23.94		
15	QPSK	1	37	24.22	24.06	23.98	25.5	0
15	QPSK	1	74	24.01	24.14	23.95		
15	QPSK	36	0	23.27	23.34	23.15		
15	QPSK	36	20	23.07	23.17	23.40	24.5	1
15	QPSK	36	39	23.26	23.08	23.04		
15	QPSK	75	0	23.10	23.29	23.10		
15	16QAM	1	0	23.07	23.21	23.17		
15	16QAM	1	37	23.06	23.21	22.98	24.5	1
15	16QAM	1	74	23.28	23.20	23.00		
15	16QAM	36	0	22.30	22.37	22.25		
15	16QAM	36	20	22.44	22.32	22.20	23.5	2
15	16QAM	36	39	22.20	22.21	21.99		
15	16QAM	75	0	22.15	22.06	22.10		
15	64QAM	1	0	22.38	22.43	22.03		
15	64QAM	1	37	22.03	22.34	22.02	23.5	2
15	64QAM	1	74	22.01	21.97	22.15		
15	64QAM	36	0	21.27	21.14	21.22		
15	64QAM	36	20	21.06	21.15	20.99	22.5	3
15	64QAM	36	39	20.90	21.15	21.16		
15	64QAM	75	0	20.92	21.16	20.86		
15	256QAM	1	0	19.04	19.23	19.03		
15	256QAM	1	37	19.02	19.01	19.05	20.5	5
15	256QAM	1	74	19.29	19.03	19.15		
15	256QAM	36	0	19.10	19.02	18.99		
15	256QAM	36	20	18.73	19.21	19.09	20.5	5
15	256QAM	36	39	19.17	19.19	19.09		
15	256QAM	75	0	18.89	19.02	18.92		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.12	24.23	24.14		
10	QPSK	1	25	24.14	24.10	23.78	25.5	0
10	QPSK	1	49	24.02	24.08	23.94		
10	QPSK	25	0	23.22	23.22	23.00		
10	QPSK	25	12	23.23	23.03	22.94	24.5	1
10	QPSK	25	25	22.81	23.17	22.93		
10	QPSK	50	0	23.09	23.25	22.98		
10	16QAM	1	0	23.12	23.28	23.20		
10	16QAM	1	25	23.04	23.06	23.05	24.5	1
10	16QAM	1	49	23.21	23.19	23.06		
10	16QAM	25	0	22.15	22.20	22.16		
10	16QAM	25	12	22.33	22.11	22.12	23.5	2
10	16QAM	25	25	22.10	22.19	22.01		
10	16QAM	50	0	22.06	22.20	22.00		
10	64QAM	1	0	22.32	22.30	22.11		
10	64QAM	1	25	22.15	22.40	21.92	23.5	2
10	64QAM	1	49	22.07	22.11	22.08		
10	64QAM	25	0	21.17	21.22	21.16		
10	64QAM	25	12	21.00	21.03	21.00	22.5	3
10	64QAM	25	25	20.77	21.09	21.24		
10	64QAM	50	0	21.08	21.06	20.96		
10	256QAM	1	0	19.04	19.37	19.08		
10	256QAM	1	25	18.93	19.06	19.27	20.5	5
10	256QAM	1	49	19.22	19.03	19.12		
10	256QAM	25	0	19.06	19.21	19.06		
10	256QAM	25	12	18.86	19.04	19.24	20.5	5
10	256QAM	25	25	19.14	19.25	19.20		
10	256QAM	50	0	18.97	19.08	19.00		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.07	24.19	23.99		
5	QPSK	1	12	24.18	24.27	23.92	25.5	0
5	QPSK	1	24	23.96	24.08	23.96		
5	QPSK	12	0	23.17	23.27	23.18		
5	QPSK	12	7	23.07	23.03	23.09	24.5	1
5	QPSK	12	13	22.82	23.18	22.91		
5	QPSK	25	0	23.11	23.36	23.05		
5	16QAM	1	0	23.07	23.21	23.19		
5	16QAM	1	12	23.06	23.23	23.02	24.5	1
5	16QAM	1	24	23.39	23.14	23.16		
5	16QAM	12	0	22.14	22.19	22.21		
5	16QAM	12	7	22.38	22.33	21.99	23.5	2
5	16QAM	12	13	22.23	22.21	21.98		
5	16QAM	25	0	22.17	22.16	22.05		
5	64QAM	1	0	22.36	22.39	22.12		
5	64QAM	1	12	22.00	22.35	22.04	23.5	2
5	64QAM	1	24	22.07	22.09	21.98		
5	64QAM	12	0	21.10	21.10	21.11		
5	64QAM	12	7	20.86	21.08	21.04	22.5	3
5	64QAM	12	13	20.88	21.23	21.26		
5	64QAM	25	0	20.97	21.02	21.03		
5	256QAM	1	0	19.09	19.32	19.02		
5	256QAM	1	12	19.04	18.98	19.05	20.5	5
5	256QAM	1	24	19.24	19.16	19.20		
5	256QAM	12	0	19.00	19.16	19.03		
5	256QAM	12	7	18.85	19.09	19.09	20.5	5
5	256QAM	12	13	19.09	19.17	19.04		
5	256QAM	25	0	18.91	19.11	18.93		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.98	24.24	23.96		
3	QPSK	1	8	24.10	24.18	23.92	25.5	0
3	QPSK	1	14	23.81	24.25	24.08		
3	QPSK	8	0	23.22	23.26	23.05		
3	QPSK	8	4	23.25	23.09	23.14	24.5	1
3	QPSK	8	7	22.84	23.08	22.93		
3	QPSK	15	0	23.09	23.32	23.00		
3	16QAM	1	0	23.05	23.24	23.17		
3	16QAM	1	8	23.12	23.19	22.95	24.5	1
3	16QAM	1	14	23.36	23.23	22.98		
3	16QAM	8	0	22.12	22.39	22.28		
3	16QAM	8	4	22.27	22.19	22.03	23.5	2
3	16QAM	8	7	22.06	22.20	21.99		
3	16QAM	15	0	22.12	22.14	22.06		
3	64QAM	1	0	22.24	22.30	22.43		
3	64QAM	1	8	22.34	22.55	22.34	23.5	2
3	64QAM	1	14	22.34	22.17	22.41		
3	64QAM	8	0	21.07	21.23	21.20		
3	64QAM	8	4	21.03	21.07	20.91	22.5	3
3	64QAM	8	7	20.82	21.03	21.13		
3	64QAM	15	0	20.96	21.11	20.89		
3	256QAM	1	0	19.07	19.38	19.21		
3	256QAM	1	8	18.97	19.20	19.17	20.5	5
3	256QAM	1	14	19.34	19.10	19.06		
3	256QAM	8	0	19.04	19.13	19.09		
3	256QAM	8	4	18.87	19.03	19.09	20.5	5
3	256QAM	8	7	19.14	19.12	19.04		
3	256QAM	15	0	18.85	19.09	19.01		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.99	24.10	23.82		
1.4	QPSK	1	3	23.90	24.12	23.82		
1.4	QPSK	1	5	23.76	24.10	23.90	25.5	0
1.4	QPSK	3	0	23.69	24.04	23.78		
1.4	QPSK	3	1	23.89	23.98	23.72		
1.4	QPSK	3	3	23.73	24.04	23.80		
1.4	QPSK	6	0	23.08	23.15	22.96	24.5	1
1.4	16QAM	1	0	23.15	23.20	23.01		
1.4	16QAM	1	3	23.00	22.97	22.98		
1.4	16QAM	1	5	23.34	23.15	23.11	24.5	1
1.4	16QAM	3	0	23.05	22.96	22.76		
1.4	16QAM	3	1	22.86	22.90	22.88		
1.4	16QAM	3	3	22.98	23.09	23.00		
1.4	16QAM	6	0	22.08	21.95	21.91	23.5	2
1.4	64QAM	1	0	22.16	22.25	21.99		
1.4	64QAM	1	3	22.00	22.24	21.97		
1.4	64QAM	1	5	21.96	22.03	21.96	23.5	2
1.4	64QAM	3	0	21.91	22.23	21.83		
1.4	64QAM	3	1	21.83	22.13	21.88		
1.4	64QAM	3	3	21.96	21.96	21.82		
1.4	64QAM	6	0	20.91	21.00	20.68	22.5	3
1.4	256QAM	1	0	19.12	19.26	19.19		
1.4	256QAM	1	3	19.00	19.10	19.05		
1.4	256QAM	1	5	19.28	18.94	18.99	20.5	5
1.4	256QAM	3	0	18.97	19.11	19.17		
1.4	256QAM	3	1	19.01	19.16	19.16		
1.4	256QAM	3	3	19.14	19.12	18.90		
1.4	256QAM	6	0	18.62	18.95	19.09	20.5	5

Band 5 Other PA Ant1 Default

BW [MHz]	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	24.36	24.58	24.38		
10	QPSK	1	25	24.11	24.32	24.26	25.5	0
10	QPSK	1	49	24.22	24.33	24.39		
10	QPSK	25	0	23.42	23.52	23.43		
10	QPSK	25	12	23.31	23.41	23.20	24.5	1
10	QPSK	25	25	23.07	23.22	23.30		
10	QPSK	50	0	23.48	23.62	23.41		
10	16QAM	1	0	23.33	23.40	23.63		
10	16QAM	1	25	23.34	23.27	23.35	24.5	1
10	16QAM	1	49	23.53	23.52	23.18		
10	16QAM	25	0	22.64	22.60	22.37		
10	16QAM	25	12	22.49	22.60	22.31	23.5	2
10	16QAM	25	25	22.40	22.34	22.35		
10	16QAM	50	0	22.21	22.30	22.15		
10	64QAM	1	0	22.62	22.56	22.34		
10	64QAM	1	25	22.31	22.60	22.35	23.5	2
10	64QAM	1	49	22.39	22.42	22.23		
10	64QAM	25	0	21.37	21.55	21.59		
10	64QAM	25	12	21.19	21.43	21.17	22.5	3
10	64QAM	25	25	21.29	21.48	21.43		
10	64QAM	50	0	21.27	21.18	21.02		
10	256QAM	1	0	19.55	19.40	19.45		
10	256QAM	1	25	19.30	19.11	19.45	20.5	5
10	256QAM	1	49	19.45	19.38	19.32		
10	256QAM	25	0	19.41	19.30	19.33		
10	256QAM	25	12	19.22	19.43	19.35	20.5	5
10	256QAM	25	25	19.18	19.39	19.33		
10	256QAM	50	0	19.36	19.43	19.19		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.15	24.39	24.26		
5	QPSK	1	12	24.41	24.53	24.08	25.5	0
5	QPSK	1	24	24.13	24.33	24.39		
5	QPSK	12	0	23.45	23.54	23.44		
5	QPSK	12	7	23.35	23.36	23.31	24.5	1
5	QPSK	12	13	23.20	23.27	23.31		
5	QPSK	25	0	23.39	23.64	23.40		
5	16QAM	1	0	23.46	23.50	23.50		
5	16QAM	1	12	23.44	23.33	23.31	24.5	1
5	16QAM	1	24	23.57	23.58	23.25		
5	16QAM	12	0	22.50	22.38	22.31		
5	16QAM	12	7	22.49	22.52	22.43	23.5	2
5	16QAM	12	13	22.40	22.42	22.23		
5	16QAM	25	0	22.58	22.43	22.14		
5	64QAM	1	0	22.54	22.65	22.32		
5	64QAM	1	12	22.36	22.74	22.42	23.5	2
5	64QAM	1	24	22.46	22.40	22.42		
5	64QAM	12	0	21.33	21.55	21.53		
5	64QAM	12	7	21.05	21.39	21.36	22.5	3
5	64QAM	12	13	21.06	21.27	21.43		
5	64QAM	25	0	21.30	21.25	21.19		
5	256QAM	1	0	19.58	19.51	19.46		
5	256QAM	1	12	19.26	19.15	19.47	20.5	5
5	256QAM	1	24	19.50	19.55	19.30		
5	256QAM	12	0	19.42	19.46	19.27		
5	256QAM	12	7	19.06	19.44	19.32	20.5	5
5	256QAM	12	13	19.39	19.54	19.42		
5	256QAM	25	0	19.36	19.31	19.23		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.05	24.48	24.18		
3	QPSK	1	8	24.00	24.34	24.19	25.5	0
3	QPSK	1	14	24.09	24.28	24.30		
3	QPSK	8	0	23.49	23.46	23.47		
3	QPSK	8	4	23.23	23.44	23.16	24.5	1
3	QPSK	8	7	23.11	23.28	23.32		
3	QPSK	15	0	23.27	23.45	23.45		
3	16QAM	1	0	23.38	23.37	23.62		
3	16QAM	1	8	23.40	23.31	23.49	24.5	1
3	16QAM	1	14	23.49	23.49	23.17		
3	16QAM	8	0	22.54	22.39	22.30		
3	16QAM	8	4	22.64	22.46	22.35	23.5	2
3	16QAM	8	7	22.27	22.31	22.42		
3	16QAM	15	0	22.28	22.40	22.28		
3	64QAM	1	0	22.63	22.69	22.22		
3	64QAM	1	8	22.32	22.61	22.35	23.5	2
3	64QAM	1	14	22.37	22.42	22.34		
3	64QAM	8	0	21.32	21.40	21.47		
3	64QAM	8	4	21.03	21.49	21.21	22.5	3
3	64QAM	8	7	21.06	21.43	21.51		
3	64QAM	15	0	21.34	21.29	21.12		
3	256QAM	1	0	19.44	19.54	19.45		
3	256QAM	1	8	19.24	19.19	19.52	20.5	5
3	256QAM	1	14	19.35	19.46	19.41		
3	256QAM	8	0	19.50	19.35	19.13		
3	256QAM	8	4	19.23	19.35	19.42	20.5	5
3	256QAM	8	7	19.21	19.58	19.26		
3	256QAM	15	0	19.24	19.52	19.20		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.22	24.27	23.99		
1.4	QPSK	1	3	24.17	24.33	23.95		
1.4	QPSK	1	5	23.92	24.29	24.06	25.5	0
1.4	QPSK	3	0	23.98	24.32	24.03		
1.4	QPSK	3	1	24.13	24.19	23.99		
1.4	QPSK	3	3	23.97	24.13	23.88		
1.4	QPSK	6	0	23.37	23.30	23.12	24.5	1
1.4	16QAM	1	0	23.27	23.45	23.20		
1.4	16QAM	1	3	23.10	23.23	23.24		
1.4	16QAM	1	5	23.54	23.45	23.25	24.5	1
1.4	16QAM	3	0	23.16	23.23	22.93		
1.4	16QAM	3	1	22.98	23.20	23.00		
1.4	16QAM	3	3	23.11	23.39	23.12		
1.4	16QAM	6	0	22.24	22.10	22.01	23.5	2
1.4	64QAM	1	0	22.28	22.41	22.28		
1.4	64QAM	1	3	22.15	22.32	22.07		
1.4	64QAM	1	5	22.19	22.32	22.11	23.5	2
1.4	64QAM	3	0	22.04	22.33	22.12		
1.4	64QAM	3	1	22.04	22.44	22.01		
1.4	64QAM	3	3	22.09	22.16	22.01		
1.4	64QAM	6	0	21.02	21.30	20.86	22.5	3
1.4	256QAM	1	0	19.37	19.44	19.34		
1.4	256QAM	1	3	19.13	19.29	19.35		
1.4	256QAM	1	5	19.53	19.21	19.25	20.5	5
1.4	256QAM	3	0	19.07	19.28	19.27		
1.4	256QAM	3	1	19.18	19.34	19.34		
1.4	256QAM	3	3	19.23	19.33	19.12		
1.4	256QAM	6	0	18.77	19.09	19.20	20.5	5

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BW [MHz]	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	24.57	24.94	24.63		
20	QPSK	1	49	24.44	24.91	24.56	25.7	0
20	QPSK	1	99	24.63	24.68	24.65		
20	QPSK	50	0	23.72	23.86	23.71		
20	QPSK	50	24	23.72	23.71	23.56	24.7	1
20	QPSK	50	50	23.45	23.50	23.66		
20	QPSK	100	0	23.78	23.93	23.69		
20	16QAM	1	0	23.67	23.75	23.86		
20	16QAM	1	49	23.75	23.73	23.80	24.7	1
20	16QAM	1	99	23.94	23.99	23.55		
20	16QAM	50	0	22.92	22.98	22.76		
20	16QAM	50	24	22.92	23.04	22.69	23.7	2
20	16QAM	50	50	22.65	22.76	22.78		
20	16QAM	100	0	22.71	22.69	22.54		
20	64QAM	1	0	23.03	23.05	22.63		
20	64QAM	1	49	22.72	22.98	22.84	23.7	2
20	64QAM	1	99	22.91	22.84	22.64		
20	64QAM	50	0	21.66	21.92	21.99		
20	64QAM	50	24	21.60	21.87	21.78	22.7	3
20	64QAM	50	50	21.56	21.81	21.95		
20	64QAM	100	0	21.73	21.52	21.55		
20	256QAM	1	0	19.93	19.82	19.96		
20	256QAM	1	49	19.70	19.59	19.74	20.7	5
20	256QAM	1	99	19.89	19.80	19.69		
20	256QAM	50	0	19.75	19.84	19.57		
20	256QAM	50	24	19.53	19.95	19.78	20.7	5
20	256QAM	50	50	19.75	19.92	19.80		
20	256QAM	100	0	19.71	19.79	19.59		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.45	24.80	24.49		
15	QPSK	1	37	24.55	24.90	24.61	25.7	0
15	QPSK	1	74	24.58	24.63	24.74		
15	QPSK	36	0	23.82	23.79	23.71		
15	QPSK	36	20	23.60	23.82	23.76	24.7	1
15	QPSK	36	39	23.43	23.67	23.75		
15	QPSK	75	0	23.89	23.92	23.66		
15	16QAM	1	0	23.79	23.86	23.91		
15	16QAM	1	37	23.87	23.85	23.84	24.7	1
15	16QAM	1	74	23.90	23.95	23.66		
15	16QAM	36	0	22.92	23.00	22.78		
15	16QAM	36	20	23.06	22.99	22.67	23.7	2
15	16QAM	36	39	22.83	22.77	22.60		
15	16QAM	75	0	22.67	22.84	22.49		
15	64QAM	1	0	23.10	22.99	22.71		
15	64QAM	1	37	22.66	22.97	22.81	23.7	2
15	64QAM	1	74	22.84	22.75	22.66		
15	64QAM	36	0	21.64	21.82	21.87		
15	64QAM	36	20	21.45	21.89	21.68	22.7	3
15	64QAM	36	39	21.53	21.86	21.91		
15	64QAM	75	0	21.66	21.54	21.39		
15	256QAM	1	0	19.87	19.86	19.83		
15	256QAM	1	37	19.68	19.63	19.90	20.7	5
15	256QAM	1	74	19.77	19.73	19.83		
15	256QAM	36	0	19.71	19.87	19.54		
15	256QAM	36	20	19.45	19.79	19.70	20.7	5
15	256QAM	36	39	19.68	19.94	19.80		
15	256QAM	75	0	19.65	19.81	19.62		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.47	24.76	24.60		
10	QPSK	1	25	24.26	24.70	24.49	25.7	0
10	QPSK	1	49	24.53	24.53	24.57		
10	QPSK	25	0	23.80	23.84	23.61		
10	QPSK	25	12	23.54	23.51	23.61	24.7	1
10	QPSK	25	25	23.43	23.39	23.67		
10	QPSK	50	0	23.73	23.71	23.66		
10	16QAM	1	0	23.71	23.85	23.86		
10	16QAM	1	25	23.73	23.75	23.71	24.7	1
10	16QAM	1	49	23.

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	25.01	25.07	25.02	25.7	0
20	QPSK	1	49	24.97	25.06	24.93		
20	QPSK	1	99	24.95	24.90	24.81		
20	QPSK	50	0	23.71	24.02	23.81	24.7	1
20	QPSK	50	24	23.90	23.81	23.83		
20	QPSK	50	50	23.77	23.85	23.99		
20	QPSK	100	0	24.01	24.12	24.06		
20	16QAM	1	0	24.03	24.07	24.04	24.7	1
20	16QAM	1	49	23.94	24.09	23.94		
20	16QAM	1	99	23.96	23.94	23.86		
20	16QAM	50	0	22.97	23.03	23.01	23.7	2
20	16QAM	50	24	22.79	22.99	22.87		
20	16QAM	50	50	22.76	22.84	22.79		
20	16QAM	100	0	22.82	22.84	22.82		
20	64QAM	1	0	22.92	23.03	22.91	23.7	2
20	64QAM	1	49	22.71	22.84	22.93		
20	64QAM	1	99	22.73	22.93	22.90		
20	64QAM	50	0	21.96	22.01	21.86	22.7	3
20	64QAM	50	24	21.75	21.98	21.70		
20	64QAM	50	50	21.90	21.98	21.73		
20	64QAM	100	0	21.92	21.96	21.74		
20	256QAM	1	0	20.03	20.23	20.12	20.7	5
20	256QAM	1	49	19.84	20.04	20.09		
20	256QAM	1	99	20.00	20.04	19.97		
20	256QAM	50	0	20.09	20.27	20.21	20.7	5
20	256QAM	50	24	19.88	20.20	20.01		
20	256QAM	50	50	19.97	20.06	20.15		
20	256QAM	100	0	20.04	20.18	20.16		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.80	24.97	24.92	25.7	0
15	QPSK	1	37	24.95	24.90	24.90		
15	QPSK	1	74	24.93	24.81	24.60		
15	QPSK	36	0	23.70	23.94	23.60	24.7	1
15	QPSK	36	20	23.82	23.70	23.72		
15	QPSK	36	39	23.73	23.81	23.95		
15	QPSK	75	0	23.87	23.98	23.87		
15	16QAM	1	0	23.84	23.96	24.02	24.7	1
15	16QAM	1	37	23.86	24.04	23.81		
15	16QAM	1	74	23.77	23.90	23.73		
15	16QAM	36	0	22.94	22.82	22.95	23.7	2
15	16QAM	36	20	22.67	23.00	22.78		
15	16QAM	36	39	22.63	22.81	22.77		
15	16QAM	75	0	22.69	22.75	22.69		
15	64QAM	1	0	22.91	22.94	22.72	23.7	2
15	64QAM	1	37	22.54	22.65	22.71		
15	64QAM	1	74	22.69	22.77	22.71		
15	64QAM	36	0	21.80	22.01	21.64	22.7	3
15	64QAM	36	20	21.66	21.96	21.54		
15	64QAM	36	39	21.70	21.77	21.53		
15	64QAM	75	0	21.81	21.87	21.55		
15	256QAM	1	0	19.88	20.20	19.96	20.7	5
15	256QAM	1	37	19.70	19.99	19.88		
15	256QAM	1	74	19.95	19.92	19.80		
15	256QAM	36	0	19.91	20.11	20.18	20.7	5
15	256QAM	36	20	19.89	20.01	19.97		
15	256QAM	36	39	19.96	19.95	19.98		
15	256QAM	75	0	19.95	20.07	19.97		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	25.02	24.89	24.87	25.7	0
10	QPSK	1	25	24.91	25.04	24.89		
10	QPSK	1	49	24.85	24.77	24.67		
10	QPSK	25	0	23.63	23.89	23.63	24.7	1
10	QPSK	25	12	23.78	23.74	23.67		
10	QPSK	25	25	23.79	23.68	23.83		
10	QPSK	50	0	23.82	24.09	23.88		
10	16QAM	1	0	23.81	24.05	23.95	24.7	1
10	16QAM	1	25	23.79	23.98	23.80		
10	16QAM	1	49	23.87	23.78	23.71		
10	16QAM	25	0	22.96	22.89	22.83	23.7	2
10	16QAM	25	12	22.66	22.86	22.79		
10	16QAM	25	25	22.62	22.63	22.80		
10	16QAM	50	0	22.64	22.86	22.77		
10	64QAM	1	0	22.90	22.93	22.79	23.7	2
10	64QAM	1	25	22.68	22.81	22.73		
10	64QAM	1	49	22.55	22.92	22.90		
10	64QAM	25	0	21.84	21.90	21.85	22.7	3
10	64QAM	25	12	21.54	21.83	21.62		
10	64QAM	25	25	21.81	21.78	21.59		
10	64QAM	50	0	21.85	21.76	21.72		
10	256QAM	1	0	19.86	20.25	20.13	20.7	5
10	256QAM	1	25	19.81	19.96	20.00		
10	256QAM	1	49	20.00	19.83	19.87		
10	256QAM	25	0	19.89	20.28	20.04	20.7	5
10	256QAM	25	12	19.86	20.21	20.00		
10	256QAM	25	25	19.92	19.99	20.10		
10	256QAM	50	0	20.02	20.10	20.01		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.90	24.90	24.85	25.7	0
5	QPSK	1	12	24.96	24.95	24.78		
5	QPSK	1	24	24.90	24.89	24.59		
5	QPSK	12	0	23.50	23.83	23.67	24.7	1
5	QPSK	12	7	23.73	23.78	23.83		
5	QPSK	12	13	23.78	23.83	23.78		
5	QPSK	25	0	23.81	23.98	23.89		
5	16QAM	1	0	24.03	24.07	24.00	24.7	1
5	16QAM	1	12	23.89	23.92	23.81		
5	16QAM	1	24	23.78	23.84	23.65		
5	16QAM	12	0	22.76	22.94	22.88	23.7	2
5	16QAM	12	7	22.60	22.88	22.87		
5	16QAM	12	13	22.59	22.86	22.68		
5	16QAM	25	0	22.73	22.65	22.68		
5	64QAM	1	0	22.77	23.04	22.87	23.7	2
5	64QAM	1	12	22.70	22.65	22.73		
5	64QAM	1	24	22.57	22.89	22.85		
5	64QAM	12	0	21.84	21.93	21.67	22.7	3
5	64QAM	12	7	21.58	21.91	21.69		
5	64QAM	12	13	21.84	21.84	21.59		
5	64QAM	25	0	21.81	21.77	21.71		
5	256QAM	1	0	19.94	20.06	20.08	20.7	5
5	256QAM	1	12	19.64	19.89	19.94		
5	256QAM	1	24	19.98	19.88	19.88		
5	256QAM	12	0	19.93	20.25	20.13	20.7	5
5	256QAM	12	7	19.82	20.08	19.89		
5	256QAM	12	13	19.84	19.93	20.03		
5	256QAM	25	0	19.85	20.17	20.00		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.91	24.96	24.99	24.97	24.73	25.7	0
20	QPSK	1	49	24.79	24.75	24.63	24.78	24.80		
20	QPSK	1	99	24.76	24.87	24.80	24.75	24.66		
20	QPSK	50	0	23.82	23.79	23.91	23.72	23.84	24.7	1
20	QPSK	50	24	23.87	23.45	23.75	23.67	23.59		
20	QPSK	50	50	23.81	23.76	23.78	23.88	23.65		
20	QPSK	100	0	23.71	23.78	23.80	23.71	23.71		
20	16QAM	1	0	23.74	23.87	23.93	23.63	23.55	24.7	1
20	16QAM	1	49	23.68	23.64	23.72	23.77	23.53		
20	16QAM	1	99	23.77	23.75	23.71	23.66	23.52		
20	16QAM	50	0	22.74	22.82	22.82	22.89	22.78	23.7	2
20	16QAM	50	24	22.76	22.64	22.95	22.58	22.66		
20	16QAM	50	50	22.64	22.55	22.70	22.73	22.74		
20	16QAM	100	0	22.52	22.55	22.68	22.83	22.64		
20	64QAM	1	0	22.77	22.96	22.79	22.83	22.83	23.7	2
20	64QAM	1	49	22.65	22.84	22.90	22.52	22.56		
20	64QAM	1	99	22.79	22.83	22.81	22.70	22.77		
20	64QAM	50	0	21.85	21.73	21.80	21.83	21.81	22.7	3
20	64QAM	50	24	21.92	21.73	21.80	21.77	21.68		
20	64QAM	50	50	21.86	21.85	21.69	21.66	21.45		
20	64QAM	100	0	21.59	21.56	21.72	21.48	21.57		
20	256QAM	1	0	19.76	20.02	19.83	19.91	19.75	20.7	5
20	256QAM	1	49	19.65	19.81	19.80	19.81	19.89		
20	256QAM	1	99	19.64	19.79	19.82	19.87	19.66		
20	256QAM	50	0	19.84	19.70	19.84	20.00	19.77	20.7	5
20	256QAM	50	24	19.79	19.50	19.70	19.65	19.63		
20	256QAM	50	50	19.64	19.63	19.97	19.83	19.87		
20	256QAM	100	0	19.72	19.61	19.89	19.74	19.67		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.79	24.86	24.80	24.71	24.68	26	0
15	QPSK	1	37	24.80	24.63	24.64	24.58	24.60		
15	QPSK	1	74	24.65	24.67	24.84	24.87	24.54		
15	QPSK	36	0	23.80	23.70	23.89	23.71	23.88	24.7	1
15	QPSK	36	20	23.72	23.50	23.61	23.64	23.60		
15	QPSK	36	39	23.75	23.63	23.89	23.66	23.74		
15	QPSK	75	0	23.63	23.88	23.88	23.77	23.72		
15	16QAM	1	0	23.61	23.70	23.75	23.45	23.58	24.7	1
15	16QAM	1	37	23.62	23.59	23.69	23.76	23.48		
15	16QAM	1	74	23.79	23.49	23.67	23.74	23.67		
15	16QAM	36	0	22.76	22.76	22.70	22.69	22.69	23.7	2
15	16QAM	36	20	22.71	22.50	22.67	22.62	22.50		
15	16QAM	36	39	22.42	22.54	22.59	22.61	22.61		
15	16QAM	75	0	22.42	22.61	22.68	22.62	22.49		
15	64QAM	1	0	22.68	22.79	22.84	22.71	22.68	23.7	2
15	64QAM	1	37	22.45	22.74	22.84	22.65	22.50		
15	64QAM	1	74	22.79	22.65	22.93	22.67	22.57		
15	64QAM	36	0	21.74	21.87	21.95	21.68	21.66	22.7	3
15	64QAM	36	20	21.86	21.57	21.66	21.60	21.69		
15	64QAM	36	39	21.73	21.79	21.76	21.49	21.46		
15	64QAM	75	0	21.41	21.47	21.55	21.49	21.44		
15	256QAM	1	0	19.71	19.77	19.90	19.77	19.79	20.7	5
15	256QAM	1	37	19.68	19.85	19.58	19.77	19.94		
15	256QAM	1	74	19.63	19.64	19.82	19.77	19.64		
15	256QAM	36	0	19.89	19.74	19.84	19.74	19.76	20.7	5
15	256QAM	36	20	19.52	19.63	19.78	19.77	19.59		
15	256QAM	36	39	19.56	19.52	19.88	19.81	19.82		
15	256QAM	75	0	19.48	19.61	19.91	19.74	19.66		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.72	24.87	24.74	24.73	24.85	26	0
10	QPSK	1	25	24.78	24.66	24.76	24.73	24.67		
10	QPSK	1	49	24.74	24.83	24.68	24.82	24.63		
10	QPSK	25	0	23.92	23.78	23.89	23.73	23.70	24.7	1
10	QPSK	25	12	23.76	23.46	23.65	23.63	23.59		
10	QPSK	25	25	23.72	23.78	23.83	23.70	23.62		
10	QPSK	50	0	23.61	23.75	23.89	23.66	23.64		
10	16QAM	1	0	23.63	23.74	23.79	23.44	23.58	24.7	1
10	16QAM	1	25	23.52	23.67	23.55	23.63	23.60		
10	16QAM	1	49	23.75	23.70	23.65	23.67	23.64		
10	16QAM	25	0	22.79	22.80	22.89	22.70	22.67	23.7	2
10	16QAM	25	12	22.69	22.66	22.83	22.56	22.70		
10	16QAM	25	25	22.61	22.63	22.64	22.58	22.72		
10	16QAM	50	0	22.42	22.62	22.54	22.47	22.51		
10	64QAM	1	0	22.74	22.80	22.78	22.86	22.74	23.7	2
10	64QAM	1	25	22.51	22.62	22.85	22.56	22.65		
10	64QAM	1	49	22.75	22.71	22.76	22.62	22.62		
10	64QAM	25	0	21.95	21.69	21.72	21.72	21.63	22.7	3
10	64QAM	25	12	21.83	21.78	21.54	21.62	21.62		
10	64QAM	25	25	21.72	21.72	21.69	21.66	21.46		
10	64QAM	50	0	21.43	21.58	21.56	21.49	21.49		
10	256QAM	1	0	19.80	19.90	19.94	19.90	19.82	20.7	5
10	256QAM	1	25	19.76	19.78	19.58	19.63	19.63		
10	256QAM	1	49	19.57	19.58	19.76	19.84	19.67		
10	256QAM	25	0	19.71	19.79	19.80	19.75	19.74	20.7	5
10	256QAM	25	12	19.55	19.54	19.62	19.68	19.49		
10	256QAM	25	25	19.69	19.62	19.91	19.76	19.88		
10	256QAM	50	0	19.50	19.62	19.94	19.68	19.70		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.86	24.86	24.94	24.71	24.62	26	0
5	QPSK	1	12	24.65	24.82	24.60	24.60	24.51		
5	QPSK	1	24	24.73	24.69	24.74	24.72	24.56		
5	QPSK	12	0	23.87	23.78	23.88	23.83	23.73	24.7	1
5	QPSK	12	7	23.90	23.47	23.72	23.50	23.59		
5	QPSK	12	13	23.85	23.73	23.77	23.81	23.58		
5	QPSK	25	0	23.77	23.89	23.92	23.80	23.67		
5	16QAM	1	0	23.65	23.75	23.75	23.50	23.58	24.7	1
5	16QAM	1	12	23.52	23.71	23.56	23.78	23.49		
5	16QAM	1	24	23.66	23.66	23.58	23.59	23.52		
5	16QAM	12	0	22.80	22.84	22.88	22.63	22.65	23.7	2
5	16QAM	12	7	22.72	22.99	22.69	22.52	22.71		
5	16QAM	12	13	22.50	22.64	22.77	22.57	22.63		
5	16QAM	25	0	22.41	22.51	22.65	22.52	22.62		
5	64QAM	1	0	22.81	22.88	22.77	22.73	22.73	23.7	2
5	64QAM	1	12	22.55	22.63	22.77	22.63	22.54		
5	64QAM	1	24	22.57	22.62	22.84	22.74	22.70		
5	64QAM	12	0	21.76	21.82	21.94	21.80	21.83	22.7	3
5	64QAM	12	7	21.90	21.69	21.53	21.61	21.76		
5	64QAM	12	13	21.73	21.57	21.65	21.45	21.61		
5	64QAM	25	0	21.62	21.53	21.57	21.45	21.56		
5	256QAM	1	0	19.80	19.86	19.90	19.77	19.68	20.7	5
5	256QAM	1	12	19.76	19.65	19.56	19.78	19.82		
5	256QAM	1	24	19.55	19.51	19.88	19.77	19.49		
5	256QAM	12	0	19.80	19.71	19.92	19.77	19.71	20.7	5
5	256QAM	12	7	19.53	19.43	19.76	19.64	19.58		
5	256QAM	12	13	19.74	19.47	19.88	19.86	19.68		
5	256QAM	25	0	19.61	19.41	19.87	19.84	19.65		

Band 2 Other PA Ant2 Default

BW [MHz]	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	24.63	24.77	24.67	25.5	0
20	QPSK	1	49	24.53	24.63	24.55		
20	QPSK	1	99	24.58	24.63	24.54		
20	QPSK	50	0	23.38	23.70	23.51	24.5	1
20	QPSK	50	24	23.64	23.37	23.62		
20	QPSK	50	50	23.41	23.56	23.63		
20	QPSK	100	0	23.58	23.77	23.75		
20	16QAM	1	0	23.69	23.73	23.63	24.5	1
20	16QAM	1	49	23.61	23.86	23.60		
20	16QAM	1	99	23.57	23.51	23.54		
20	16QAM	50	0	22.56	22.60	22.67	23.5	2
20	16QAM	50	24	22.35	22.78	22.57		
20	16QAM	50	50	22.51	22.62	22.59		
20	16QAM	100	0	22.59	22.45	22.61		
20	64QAM	1	0	22.52	22.80	22.62	23.5	2
20	64QAM	1	49	22.37	22.47	22.63		
20	64QAM	1	99	22.31	22.68	22.64		
20	64QAM	50	0	21.68	21.67	21.65	22.5	3
20	64QAM	50	24	21.37	21.69	21.37		
20	64QAM	50	50	21.69	21.68	21.49		
20	64QAM	100	0	21.64	21.59	21.45		
20	256QAM	1	0	19.75	19.99	19.87	20.5	5
20	256QAM	1	49	19.56	19.74	19.87		
20	256QAM	1	99	19.67	19.60	19.69		
20	256QAM	50	0	19.86	20.02	19.87	20.5	5
20	256QAM	50	24	19.53	19.81	19.63		
20	256QAM	50	50	19.57	19.80	19.92		
20	256QAM	100	0	19.79	19.98	19.85		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.62	24.74	24.55	25.5	0
15	QPSK	1	37	24.55	24.60	24.48		
15	QPSK	1	74	24.69	24.48	24.43		
15	QPSK	36	0	23.31	23.54	23.34	24.5	1
15	QPSK	36	20	23.56	23.39	23.41		
15	QPSK	36	39	23.47	23.39	23.56		
15	QPSK	75	0	23.75	23.85	23.81		
15	16QAM	1	0	23.63	23.68	23.71	24.5	1
15	16QAM	1	37	23.54	23.67	23.65		
15	16QAM	1	74	23.54	23.59	23.48		
15	16QAM	36	0	22.61	22.72	22.60	23.5	2
15	16QAM	36	20	22.47	22.70	22.58		
15	16QAM	36	39	22.45	22.51	22.36		
15	16QAM	75	0	22.36	22.59	22.43		
15	64QAM	1	0	22.52	22.79	22.61	23.5	2
15	64QAM	1	37	22.36	22.39	22.59		
15	64QAM	1	74	22.46	22.47	22.58		
15	64QAM	36	0	21.56	21.55	21.49	22.5	3
15	64QAM	36	20	21.46	21.70	21.24		
15	64QAM	36	39	21.55	21.60	21.27		
15	64QAM	75	0	21.51	21.61	21.36		
15	256QAM	1	0	19.62	19.77	19.81	20.5	5
15	256QAM	1	37	19.39	19.78	19.74		
15	256QAM	1	74	19.58	19.63	19.60		
15	256QAM	36	0	19.66	19.99	19.94	20.5	5
15	256QAM	36	20	19.55	19.76	19.63		
15	256QAM	36	39	19.60	19.75	19.90		
15	256QAM	75	0	19.62	19.88	19.72		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.61	24.67	24.74	25.5	0
10	QPSK	1	25	24.60	24.67	24.61		
10	QPSK	1	49	24.54	24.57	24.46		
10	QPSK	25	0	23.24	23.66	23.42	24.5	1
10	QPSK	25	12	23.47	23.38	23.38		
10	QPSK	25	25	23.48	23.48	23.57		
10	QPSK	50	0	23.67	23.82	23.79		
10	16QAM	1	0	23.67	23.76	23.68	24.5	1
10	16QAM	1	25	23.66	23.76	23.57		
10	16QAM	1	49	23.59	23.57	23.59		
10	16QAM	25	0	22.62	22.61	22.75	23.5	2
10	16QAM	25	12	22.49	22.54	22.54		
10	16QAM	25	25	22.38	22.50	22.42		
10	16QAM	50	0	22.54	22.50	22.50		
10	64QAM	1	0	22.45	22.60	22.57	23.5	2
10	64QAM	1	25	22.32	22.44	22.58		
10	64QAM	1	49	22.33	22.48	22.46		
10	64QAM	25	0	21.66	21.73	21.41	22.5	3
10	64QAM	25	12	21.30	21.51	21.41		
10	64QAM	25	25	21.44	21.58	21.38		
10	64QAM	50	0	21.59	21.64	21.30		
10	256QAM	1	0	19.73	19.94	19.78	20.5	5
10	256QAM	1	25	19.57	19.77	19.75		
10	256QAM	1	49	19.59	19.75	19.53		
10	256QAM	25	0	19.67	19.91	19.91	20.5	5
10	256QAM	25	12	19.56	19.93	19.64		
10	256QAM	25	25	19.70	19.74	19.68		
10	256QAM	50	0	19.60	19.74	19.91		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.62	24.70	24.67	25.5	0
5	QPSK	1	12	24.67	24.62	24.49		
5	QPSK	1	24	24.66	24.56	24.52		
5	QPSK	12	0	23.34	23.57	23.47	24.5	1
5	QPSK	12	7	23.51	23.41	23.55		
5	QPSK	12	13	23.51	23.52	23.59		
5	QPSK	25	0	23.62	23.66	23.75		
5	16QAM	1	0	23.62	23.60	23.69	24.5	1
5	16QAM	1	12	23.47	23.84	23.59		
5	16QAM	1	24	23.73	23.69	23.45		
5	16QAM	12	0	22.63	22.77	22.61	23.5	2
5	16QAM	12	7	22.52	22.53	22.46		
5	16QAM	12	13	22.29	22.53	22.40		
5	16QAM	25	0	22.47	22.49	22.40		
5	64QAM	1	0	22.63	22.76	22.52	23.5	2
5	64QAM	1	12	22.46	22.60	22.50		
5	64QAM	1	24	22.44	22.65	22.63		
5	64QAM	12	0	21.62	21.71	21.51	22.5	3
5	64QAM	12	7	21.37	21.73	21.28		
5	64QAM	12	13	21.43	21.72	21.42		
5	64QAM	25	0	21.60	21.64	21.33		
5	256QAM	1	0	19.73	19.90	19.83	20.5	5
5	256QAM	1	12	19.58	19.63	19.78		
5	256QAM	1	24	19.70	19.78	19.52		
5	256QAM	12	0	19.75	19.90	19.79	20.5	5
5	256QAM	12	7	19.64	19.83	19.62		
5	256QAM	12	13	19.56	19.78	19.90		
5	256QAM	25	0	19.61	19.75	19.85		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.71	24.73	24.71	25.5	0
3	QPSK	1	8	24.57	24.68	24.68		
3	QPSK	1	14	24.67	24.47	24.41		
3	QPSK	8	0	23.44	23.65	23.55	24.5	1
3	QPSK	8	4	23.43	23.36	23.49		
3	QPSK	8	7	23.51	23.54	23.62		
3	QPSK	15	0	23.63	23.83	23.68		
3	16QAM	1	0	23.57	23.76	23.64	24.5	1
3	16QAM	1	8	23.66	23.79	23.55		
3	16QAM	1	14	23.72	23.67	23.39		
3	16QAM	8	0	22.72	22.58	22.65	23.5	2
3	16QAM	8	4	22.31	22.69	22.53		
3	16QAM	8	7	22.50	22.51	22.43		
3	16QAM	15	0	22.34	22.49	22.52		
3	64QAM	1	0	22.44	22.70	22.48	23.5	2
3	64QAM	1	8	22.41	22.56	22.64		
3	64QAM	1	14	22.37	22.46	22.54		
3	64QAM	8	0	21.54	21.73	21.61	22.5	3
3	64QAM	8	4	21.29	21.61	21.30		
3	64QAM	8	7	21.47	21.52	21.25		
3	64QAM	15	0	21.45	21.65	21.47		
3	256QAM	1	0	19.72	19.83	19.69	20.5	5
3	256QAM	1	8	19.54	19.67	19.68		
3	256QAM	1	14	19.68	19.78	19.61		
3	256QAM	8	0	19.78	19.84	19.77	20.5	5
3	256QAM	8	4	19.63	19.96	19.55		
3	256QAM	8	7	19.52	19.78	19.69		
3	256QAM	15	0	19.73	19.83	19.90		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.64	24.60	24.68	25.5	0
1.4	QPSK	1	3	24.65	24.58	24.63		
1.4	QPSK	1	5	24.61	24.49	24.54		
1.4	QPSK	3	0	24.54	24.43	24.52		
1.4	QPSK	3	1	24.43	24.41	24.51		
1.4	QPSK	3	3	24.52	24.49	24.50		
1.4	QPSK	6	0	23.76	23.65	23.63	24.5	1
1.4	16QAM	1	0	23.74	23.75	23.73	24.5	1
1.4	16QAM	1	3	23.58	23.75	23.63		
1.4	16QAM	1	5	23.64	23.52	23.44		
1.4	16QAM	3	0	23.63	23.68	23.68		
1.4	16QAM	3	1	23.54	23.59	23.58		
1.4	16QAM	3	3	23.47	23.36	23.26		
1.4	16QAM	6	0	22.58	22.59	22.36	23.5	2
1.4	64QAM	1	0	22.64	22.72	22.44	23.5	2
1.4	64QAM	1	3	22.24	22.44	22.49		
1.4	64QAM	1	5	22.29	22.53	22.48		
1.4	64QAM	3	0	22.59	22.55	22.35		
1.4	64QAM	3	1	22.28	22.44	22.52		
1.4	64QAM	3	3	22.15	22.57	22.38		
1.4	64QAM	6	0	21.60	21.70	21.48	22.5	3
1.4	256QAM	1	0	19.64	19.92	19.77	20.5	5
1.4	256QAM	1	3	19.59	19.69	19.71		
1.4	256QAM	1	5	19.62	19.68	19.51		
1.4	256QAM	3	0	19.64	19.83	19.89		
1.4	256QAM	3	1	19.55	19.93	19.74		
1.4	256QAM	3	3	19.63	19.75	19.68		
1.4	256QAM	6	0	19.72	19.80	19.91	20.5	5

Band 7 Other PA Ant2 Default

BW [MHz]	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	24.87	25.09	24.90	25.7	0
20	QPSK	1	49	24.91	24.88	24.92		
20	QPSK	1	99	24.94	24.79	24.72		
20	QPSK	50	0	23.70	24.07	23.74	24.7	1
20	QPSK	50	24	23.77	23.76	23.68		
20	QPSK	50	50	23.79	23.71	24.02		
20	QPSK	100	0	23.93	24.08	23.89		
20	16QAM	1	0	24.03	23.92	23.96	24.7	1
20	16QAM	1	49	23.77	23.92	23.91		
20	16QAM	1	99	23.82	24.00	23.84		
20	16QAM	50	0	22.81	22.86	22.87	23.7	2
20	16QAM	50	24	22.70	22.98	22.86		
20	16QAM	50	50	22.65	22.76	22.81		
20	16QAM	100	0	22.82	22.72	22.71		
20	64QAM	1	0	22.94	23.08	22.89	23.7	2
20	64QAM	1	49	22.63	22.76	22.78		
20	64QAM	1	99	22.76	22.78	22.75		
20	64QAM	50	0	21.94	21.93	21.89	22.7	3
20	64QAM	50	24	21.69	21.92	21.68		
20	64QAM	50	50	21.85	21.90	21.72		
20	64QAM	100	0	21.81	21.97	21.82		
20	256QAM	1	0	20.09	20.25	20.15	20.7	5
20	256QAM	1	49	19.82	19.91	20.13		
20	256QAM	1	99	19.85	19.98	19.87		
20	256QAM	50	0	19.99	20.18	20.22	20.7	5
20	256QAM	50	24	19.83	20.24	20.03		
20	256QAM	50	50	19.81	19.95	20.11		
20	256QAM	100	0	19.94	20.22	20.06		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.96	24.84	24.77	25.7	0
15	QPSK	1	37	24.94	24.82	24.85		
15	QPSK	1	74	24.74	24.79	24.75		
15	QPSK	36	0	23.68	23.98	23.78	24.7	1
15	QPSK	36	20	23.84	23.70	23.80		
15	QPSK	36	39	23.60	23.63	23.97		
15	QPSK	75	0	23.99	23.98	23.83		
15	16QAM	1	0	23.86	23.98	23.88	24.7	1
15	16QAM	1	37	23.83	23.85	23.81		
15	16QAM	1	74	23.84	23.87	23.79		
15	16QAM	36	0	22.74	22.82	22.76	23.7	2
15	16QAM	36	20	22.77	22.94	22.74		
15	16QAM	36	39	22.70	22.78	22.75		
15	16QAM	75	0	22.65	22.70	22.79		
15	64QAM	1	0	22.74	22.84	22.67	23.7	2
15	64QAM	1	37	22.46	22.61	22.73		
15	64QAM	1	74	22.50	22.69	22.80		
15	64QAM	36	0	21.90	21.85	21.80	22.7	3
15	64QAM	36	20	21.53	21.91	21.56		
15	64QAM	36	39	21.78	21.79	21.56		
15	64QAM	75	0	21.68	21.82	21.54		
15	256QAM	1	0	19.95	20.05	19.99	20.7	5
15	256QAM	1	37	19.70	19.96	19.90		
15	256QAM	1	74	19.95	19.87	19.74		
15	256QAM	36	0	20.02	20.06	20.07	20.7	5
15	256QAM	36	20	19.65	20.15	19.86		
15	256QAM	36	39	19.93	19.85	19.93		
15	256QAM	75	0	19.98	20.10	20.09		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.84	24.95	24.94	25.7	0
10	QPSK	1	25	24.83	24.83	24.82		
10	QPSK	1	49	24.90	24.83	24.68		
10	QPSK	25	0	23.63	23.83	23.73	24.7	1
10	QPSK	25	12	23.83	23.61	23.58		
10	QPSK	25	25	23.57	23.65	23.83		
10	QPSK	50	0	23.96	23.91	23.85		
10	16QAM	1	0	23.94	23.99	23.85	24.7	1
10	16QAM	1	25	23.86	24.01	23.80		
10	16QAM	1	49	23.88	23.75	23.77		
10	16QAM	25	0	22.94	22.91	22.80	23.7	2
10	16QAM	25	12	22.71	22.88	22.81		
10	16QAM	25	25	22.68	22.81	22.68		
10	16QAM	50	0	22.69	22.81	22.69		
10	64QAM	1	0	22.72	22.87	22.71	23.7	2
10	64QAM	1	25	22.48	22.72	22.90		
10	64QAM	1	49	22.60	22.69	22.68		
10	64QAM	25	0	21.85	21.93	21.67	22.7	3
10	64QAM	25	12	21.58	21.92	21.56		
10	64QAM	25	25	21.87	21.96	21.58		
10	64QAM	50	0	21.80	21.76	21.72		
10	256QAM	1	0	19.84	20.14	20.07	20.7	5
10	256QAM	1	25	19.66	19.87	19.99		
10	256QAM	1	49	19.80	19.92	19.80		
10	256QAM	25	0	19.96	20.17	19.98	20.7	5
10	256QAM	25	12	19.74	20.00	19.88		
10	256QAM	25	25	19.72	19.83	20.13		
10	256QAM	50	0	19.94	20.15	20.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.91	24.87	24.84	25.7	0
5	QPSK	1	12	24.73	25.04	24.86		
5	QPSK	1	24	24.78	24.72	24.73		
5	QPSK	12	0	23.61	24.00	23.73	24.7	1
5	QPSK	12	7	23.83	23.74	23.62		
5	QPSK	12	13	23.52	23.72	23.76		
5	QPSK	25	0	23.86	23.97	23.91		
5	16QAM	1	0	23.79	24.04	23.80	24.7	1
5	16QAM	1	12	23.87	24.06	23.78		
5	16QAM	1	24	23.84	23.82	23.72		
5	16QAM	12	0	22.90	22.78	22.93	23.7	2
5	16QAM	12	7	22.62	22.78	22.83		
5	16QAM	12	13	22.59	22.70	22.60		
5	16QAM	25	0	22.67	22.69	22.62		
5	64QAM	1	0	22.83	22.95	22.69	23.7	2
5	64QAM	1	12	22.64	22.66	22.86		
5	64QAM	1	24	22.49	22.91	22.79		
5	64QAM	12	0	21.89	21.94	21.73	22.7	3
5	64QAM	12	7	21.67	21.85	21.50		
5	64QAM	12	13	21.68	21.88	21.67		
5	64QAM	25	0	21.74	21.80	21.60		
5	256QAM	1	0	19.91	20.09	19.92	20.7	5
5	256QAM	1	12	19.74	20.01	19.99		
5	256QAM	1	24	19.98	19.91	19.74		
5	256QAM	12	0	19.91	20.20	20.19	20.7	5
5	256QAM	12	7	19.74	20.09	19.76		
5	256QAM	12	13	19.89	19.85	20.06		
5	256QAM	25	0	19.82	20.08	20.04		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	25.06	25.22	25.20	25.7	0
20	QPSK	1	49	25.11	25.09	25.01		
20	QPSK	1	99	24.94	25.10	24.82		
20	QPSK	50	0	23.73	24.20	23.98	24.7	1
20	QPSK	50	24	24.12	23.80	23.96		
20	QPSK	50	50	23.81	23.97	24.10		
20	QPSK	100	0	24.15	24.21	24.16		
20	16QAM	1	0	24.02	24.17	24.13	24.7	1
20	16QAM	1	49	23.98	24.25	23.98		
20	16QAM	1	99	24.01	23.96	23.97		
20	16QAM	50	0	22.97	23.23	23.06	23.7	2
20	16QAM	50	24	22.78	23.03	22.88		
20	16QAM	50	50	22.83	23.00	22.83		
20	16QAM	100	0	23.00	22.83	23.00		
20	64QAM	1	0	22.93	23.12	22.92	23.7	2
20	64QAM	1	49	22.76	23.01	23.05		
20	64QAM	1	99	22.93	22.96	23.05		
20	64QAM	50	0	22.03	22.07	21.95	22.7	3
20	64QAM	50	24	21.73	22.15	21.84		
20	64QAM	50	50	21.95	22.12	21.85		
20	64QAM	100	0	21.91	22.05	21.76		
20	256QAM	1	0	20.19	20.36	20.20	20.7	5
20	256QAM	1	49	19.96	20.03	20.17		
20	256QAM	1	99	20.16	20.17	20.12		
20	256QAM	50	0	20.22	20.33	20.33	20.7	5
20	256QAM	50	24	19.98	20.23	20.11		
20	256QAM	50	50	20.11	20.14	20.34		
20	256QAM	100	0	20.06	20.16	20.17		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	25.06	25.06	25.08	25.7	0
15	QPSK	1	37	24.99	24.94	25.05		
15	QPSK	1	74	25.01	24.86	24.75		
15	QPSK	36	0	23.82	24.12	23.82	24.7	1
15	QPSK	36	20	23.96	23.84	23.82		
15	QPSK	36	39	23.76	23.78	24.00		
15	QPSK	75	0	23.94	24.06	24.04		
15	16QAM	1	0	24.01	24.02	24.09	24.7	1
15	16QAM	1	37	23.88	24.16	24.02		
15	16QAM	1	74	23.95	23.92	23.92		
15	16QAM	36	0	22.90	22.95	22.93	23.7	2
15	16QAM	36	20	22.84	22.89	22.97		
15	16QAM	36	39	22.88	22.87	22.71		
15	16QAM	75	0	22.76	22.78	22.92		
15	64QAM	1	0	23.00	22.92	23.01	23.7	2
15	64QAM	1	37	22.87	22.89	22.82		
15	64QAM	1	74	22.69	22.89	22.88		
15	64QAM	36	0	21.98	22.11	21.81	22.7	3
15	64QAM	36	20	21.75	21.92	21.68		
15	64QAM	36	39	21.94	21.91	21.75		
15	64QAM	75	0	22.03	21.96	21.79		
15	256QAM	1	0	20.04	20.14	20.03	20.7	5
15	256QAM	1	37	19.88	20.04	20.00		
15	256QAM	1	74	20.00	19.93	20.04		
15	256QAM	36	0	20.03	20.25	20.29	20.7	5
15	256QAM	36	20	19.89	20.24	20.08		
15	256QAM	36	39	19.87	20.02	20.03		
15	256QAM	75	0	20.09	20.27	20.25		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572	2595	2618		
10	QPSK	1	0	25.01	25.05	25.03	25.7	0
10	QPSK	1	25	24.88	24.96	24.85		
10	QPSK	1	49	25.00	24.95	24.77		
10	QPSK	25	0	23.75	24.08	23.72	24.7	1
10	QPSK	25	12	23.86	23.73	23.71		
10	QPSK	25	25	23.89	23.82	23.97		
10	QPSK	50	0	23.96	24.05	24.16		
10	16QAM	1	0	24.12	24.06	24.11	24.7	1
10	16QAM	1	25	24.01	24.16	24.06		
10	16QAM	1	49	24.01	23.86	23.94		
10	16QAM	25	0	22.93	23.08	23.06	23.7	2
10	16QAM	25	12	22.70	23.01	22.84		
10	16QAM	25	25	22.73	22.76	22.83		
10	16QAM	50	0	22.71	22.89	22.82		
10	64QAM	1	0	22.90	23.14	22.88	23.7	2
10	64QAM	1	25	22.64	22.86	22.93		
10	64QAM	1	49	22.76	22.99	22.78		
10	64QAM	25	0	21.94	22.12	21.87	22.7	3
10	64QAM	25	12	21.87	21.86	21.76		
10	64QAM	25	25	21.99	21.88	21.74		
10	64QAM	50	0	21.82	21.91	21.82		
10	256QAM	1	0	20.11	20.20	20.03	20.7	5
10	256QAM	1	25	19.74	19.98	20.15		
10	256QAM	1	49	20.07	20.14	20.03		
10	256QAM	25	0	20.04	20.32	20.26	20.7	5
10	256QAM	25	12	19.82	20.26	20.12		
10	256QAM	25	25	19.95	20.06	20.05		
10	256QAM	50	0	20.13	20.30	20.07		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2573.5	2595	2617.5		
5	QPSK	1	0	24.97	25.07	25.05	25.7	0
5	QPSK	1	12	24.87	25.03	24.89		
5	QPSK	1	24	24.92	24.97	24.73		
5	QPSK	12	0	23.66	24.10	23.82	24.7	1
5	QPSK	12	7	23.94	23.89	23.90		
5	QPSK	12	13	23.88	23.75	23.89		
5	QPSK	25	0	23.99	24.23	24.10		
5	16QAM	1	0	23.95	24.13	23.95	24.7	1
5	16QAM	1	12	23.88	24.08	23.85		
5	16QAM	1	24	23.94	23.93	23.83		
5	16QAM	12	0	23.06	22.94	22.95	23.7	2
5	16QAM	12	7	22.74	22.94	22.84		
5	16QAM	12	13	22.66	22.91	22.83		
5	16QAM	25	0	22.83	22.80	22.71		
5	64QAM	1	0	22.97	23.05	22.88	23.7	2
5	64QAM	1	12	22.80	22.73	22.99		
5	64QAM	1	24	22.63	23.04	22.85		
5	64QAM	12	0	22.03	22.01	21.78	22.7	3
5	64QAM	12	7	21.66	21.96	21.68		
5	64QAM	12	13	21.92	21.94	21.82		
5	64QAM	25	0	21.82	21.91	21.86		
5	256QAM	1	0	20.07	20.18	20.08	20.7	5
5	256QAM	1	12	19.79	19.97	20.01		
5	256QAM	1	24	20.05	20.05	19.94		
5	256QAM	12	0	20.16	20.25	20.12	20.7	5
5	256QAM	12	7	19.80	20.12	20.00		
5	256QAM	12	13	20.03	19.96	20.03		
5	256QAM	25	0	20.03	20.11	20.26		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.08	25.13	25.17	25.12	25.05	25.7	0
20	QPSK	1	49	25.08	25.03	25.00	24.95	24.93		
20	QPSK	1	99	24.97	25.08	25.09	25.11	24.87		
20	QPSK	50	0	24.15	24.01	24.16	24.05	24.10	24.7	1
20	QPSK	50	24	24.14	23.82	23.95	23.87	23.95		
20	QPSK	50	50	24.12	24.06	24.09	24.01	23.99		
20	QPSK	100	0	24.02	24.11	24.13	24.01	23.97		
20	16QAM	1	0	23.91	24.03	24.12	23.85	23.82	24.7	1
20	16QAM	1	49	23.90	23.92	23.94	24.00	23.84		
20	16QAM	1	99	24.02	23.93	23.97	24.01	23.88		
20	16QAM	50	0	23.05	23.10	23.13	23.03	23.02	23.7	2
20	16QAM	50	24	22.96	22.89	23.11	22.90	22.91		
20	16QAM	50	50	22.82	22.92	22.97	22.92	22.97		
20	16QAM	100	0	22.81	22.91	22.96	22.89	22.91		
20	64QAM	1	0	23.10	23.11	23.14	23.09	23.06	23.7	2
20	64QAM	1	49	22.86	23.06	23.07	22.86	22.89		
20	64QAM	1	99	22.99	23.03	23.13	23.00	22.90		
20	64QAM	50	0	22.17	22.08	22.15	22.05	22.03	22.7	3
20	64QAM	50	24	22.16	21.98	21.95	22.01	21.99		
20	64QAM	50	50	22.03	22.00	21.97	21.87	21.82		
20	64QAM	100	0	21.85	21.82	21.95	21.85	21.80		
20	256QAM	1	0	20.12	20.16	20.18	20.20	20.08	20.7	5
20	256QAM	1	49	20.01	20.05	19.97	20.07	20.06		
20	256QAM	1	99	19.96	19.95	20.13	20.04	19.92		
20	256QAM	50	0	20.09	20.02	20.21	20.15	20.12	20.7	5
20	256QAM	50	24	19.96	19.86	20.04	20.00	19.92		
20	256QAM	50	50	19.96	19.86	20.11	20.07	20.12		
20	256QAM	100	0	19.87	19.84	20.15	20.06	20.03		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.90	25.12	24.95	24.97	24.83	26	0
15	QPSK	1	37	24.98	24.95	24.79	24.87	24.74		
15	QPSK	1	74	24.84	24.90	24.97	24.93	24.75		
15	QPSK	36	0	24.01	23.80	24.12	23.93	23.90	24.7	1
15	QPSK	36	20	24.05	23.80	23.88	23.73	23.81		
15	QPSK	36	39	23.94	23.84	24.01	23.95	23.96		
15	QPSK	75	0	23.81	23.91	24.02	23.95	23.86		
15	16QAM	1	0	23.91	23.99	23.88	23.75	23.77	24.7	1
15	16QAM	1	37	23.75	23.86	23.80	24.00	23.69		
15	16QAM	1	74	23.80	23.69	23.86	23.82	23.70		
15	16QAM	36	0	22.84	23.09	23.01	22.98	22.86	23.7	2
15	16QAM	36	20	22.74	22.86	23.10	22.84	22.70		
15	16QAM	36	39	22.76	22.82	22.95	22.68	22.78		
15	16QAM	75	0	22.62	22.78	22.85	22.88	22.79		
15	64QAM	1	0	22.96	23.05	23.01	23.07	23.04	23.7	2
15	64QAM	1	37	22.68	22.92	22.98	22.84	22.78		
15	64QAM	1	74	22.80	23.02	22.92	22.98	22.77		
15	64QAM	36	0	22.00	22.08	22.10	21.86	21.98	22.7	3
15	64QAM	36	20	21.92	21.91	21.82	21.94	21.85		
15	64QAM	36	39	21.95	21.95	21.93	21.77	21.68		
15	64QAM	75	0	21.73	21.80	21.77	21.79	21.75		
15	256QAM	1	0	20.08	20.07	19.99	20.07	20.01	20.7	5
15	256QAM	1	37	19.97	19.88	19.85	19.87	20.01		
15	256QAM	1	74	19.75	19.91	20.03	19.85	19.69		
15	256QAM	36	0	19.88	19.86	20.15	19.99	19.88	20.7	5
15	256QAM	36	20	19.73	19.67	19.99	19.93	19.75		
15	256QAM	36	39	19.86	19.74	19.98	19.87	20.03		
15	256QAM	75	0	19.64	19.80	20.02	20.02	20.02		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.02	25.06	25.07	25.10	24.91	26	0
10	QPSK	1	25	25.04	24.81	24.97	24.77	24.72		
10	QPSK	1	49	24.91	24.91	24.99	25.06	24.75		
10	QPSK	25	0	23.92	23.89	24.02	23.95	23.88	24.7	1
10	QPSK	25	12	23.93	23.81	23.78	23.65	23.84		
10	QPSK	25	25	24.01	23.83	24.07	23.98	23.82		
10	QPSK	50	0	23.82	23.99	24.03	24.01	23.92		
10	16QAM	1	0	23.73	23.80	24.12	23.64	23.73	24.7	1
10	16QAM	1	25	23.69	23.74	23.82	23.95	23.66		
10	16QAM	1	49	23.94	23.91	23.85	23.87	23.72		
10	16QAM	25	0	22.82	22.99	22.98	22.91	22.87	23.7	2
10	16QAM	25	12	22.86	22.88	23.04	22.74	22.87		
10	16QAM	25	25	22.81	22.87	22.77	22.75	22.83		
10	16QAM	50	0	22.79	22.82	22.95	22.76	22.88		
10	64QAM	1	0	22.91	22.94	23.09	22.90	22.97	23.7	2
10	64QAM	1	25	22.70	22.92	23.06	22.78	22.66		
10	64QAM	1	49	22.91	22.89	22.90	22.82	22.77		
10	64QAM	25	0	22.10	21.97	22.09	21.91	21.99	22.7	3
10	64QAM	25	12	22.04	21.95	21.87	21.98	21.85		
10	64QAM	25	25	21.82	21.80	21.77	21.85	21.74		
10	64QAM	50	0	21.80	21.78	21.76	21.85	21.57		
10	256QAM	1	0	20.09	20.03	20.15	20.05	19.92	20.7	5
10	256QAM	1	25	19.95	19.98	19.80	20.07	19.86		
10	256QAM	1	49	19.80	19.89	20.01	20.03	19.73		
10	256QAM	25	0	20.06	20.01	20.10	20.10	19.89	20.7	5
10	256QAM	25	12	19.86	19.63	19.81	19.77	19.69		
10	256QAM	25	25	19.81	19.72	20.08	19.86	19.97		
10	256QAM	50	0	19.87	19.80	20.08	20.01	19.90		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.3	2593	2640.30	2687.5		
5	QPSK	1	0	24.99	24.92	25.01	24.88	24.98	26	0
5	QPSK	1	12	25.03	24.79	24.83	24.90	24.76		
5	QPSK	1	24	24.93	25.07	25.06	24.96	24.82		
5	QPSK	12	0	23.93	23.89	24.08	23.90	24.08	24.7	1
5	QPSK	12	7	23.90	23.66	23.91	23.69	23.88		
5	QPSK	12	13	23.97	23.89	23.92	23.97	23.90		
5	QPSK	25	0	23.83	24.07	23.96	23.87	23.77		
5	16QAM	1	0	23.84	24.03	23.94	23.79	23.65	24.7	1
5	16QAM	1	12	23.79	23.79	23.93	23.93	23.70		
5	16QAM	1	24	23.84	23.81	23.81	23.84	23.85		
5	16QAM	12	0	23.00	22.94	22.92	22.98	22.89	23.7	2
5	16QAM	12	7	22.74	22.66	22.87	22.79	22.82		
5	16QAM	12	13	22.61	22.71	22.91	22.73	22.76		
5	16QAM	25	0	22.67	22.82	22.79	22.80	22.78		
5	64QAM	1	0	22.90	22.98	23.05	22.90	22.94	23.7	2
5	64QAM	1	12	22.79	23.03	22.93	22.83	22.89		
5	64QAM	1	24	22.90	23.02	23.03	22.88	22.71		
5	64QAM	12	0	22.13	22.03	22.04	21.87	21.96	22.7	3
5	64QAM	12	7	21.97	21.96	21.78	21.88	21.94		
5	64QAM	12	13	21.98	21.86	21.78	21.86	21.75		
5	64QAM	25	0	21.67	21.81	21.83	21.73	21.70		
5	256QAM	1	0	20.02	20.02	20.16	20.14	19.99	20.7	5
5	256QAM	1	12	19.89	19.86	19.97	20.06	19.88		
5	256QAM	1	24	19.88	19.73	19.90	20.01	19.88		
5	256QAM	12	0	19.86	19.82	20.04	19.94	19.96	20.7	5
5	256QAM	12	7	19.96	19.64	19.92	19.94	19.83		
5	256QAM	12	13	19.79	19.71	19.89	19.86	20.10		
5	256QAM	25	0	19.76	19.75	20.05	20.04	19.80		

Band 2 Other PA Ant4 Default

BW [MHz]	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	24.45	24.65	24.51	25.7	0
20	QPSK	1	49	24.43	24.55	24.50		
20	QPSK	1	99	24.53	24.37	24.25		
20	QPSK	50	0	23.43	23.76	23.35	24.7	1
20	QPSK	50	24	23.40	23.33	23.28		
20	QPSK	50	50	23.34	23.31	23.42		
20	QPSK	100	0	23.55	23.56	23.42		
20	16QAM	1	0	23.64	23.66	23.64	24.7	1
20	16QAM	1	49	23.43	23.48	23.43		
20	16QAM	1	99	23.49	23.47	23.32		
20	16QAM	50	0	22.42	22.61	22.50	23.7	2
20	16QAM	50	24	22.35	22.37	22.29		
20	16QAM	50	50	22.18	22.36	22.22		
20	16QAM	100	0	22.28	22.35	22.42		
20	64QAM	1	0	22.36	22.51	22.31	23.7	2
20	64QAM	1	49	22.29	22.28	22.39		
20	64QAM	1	99	22.34	22.48	22.40		
20	64QAM	50	0	21.55	21.47	21.38	22.7	3
20	64QAM	50	24	21.32	21.45	21.11		
20	64QAM	50	50	21.45	21.40	21.21		
20	64QAM	100	0	21.33	21.42	21.22		
20	256QAM	1	0	19.47	19.62	19.57	20.7	5
20	256QAM	1	49	19.39	19.57	19.52		
20	256QAM	1	99	19.55	19.59	19.39		
20	256QAM	50	0	19.58	19.70	19.80	20.7	5
20	256QAM	50	24	19.33	19.58	19.63		
20	256QAM	50	50	19.35	19.63	19.63		
20	256QAM	100	0	19.47	19.70	19.58		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.40	24.36	24.35	25.7	0
15	QPSK	1	37	24.20	24.47	24.18		
15	QPSK	1	74	24.40	24.14	24.22		
15	QPSK	36	0	23.15	23.24	23.21	24.7	1
15	QPSK	36	20	23.12	23.25	23.09		
15	QPSK	36	39	23.16	23.23	23.25		
15	QPSK	75	0	23.38	23.33	23.45		
15	16QAM	1	0	23.27	23.30	23.28	24.7	1
15	16QAM	1	37	23.23	23.42	23.26		
15	16QAM	1	74	23.21	23.26	23.30		
15	16QAM	36	0	22.29	22.32	22.44	23.7	2
15	16QAM	36	20	22.03	22.26	22.25		
15	16QAM	36	39	22.07	22.06	22.11		
15	16QAM	75	0	22.21	22.18	22.11		
15	64QAM	1	0	22.26	22.24	22.35	23.7	2
15	64QAM	1	37	21.98	22.17	22.27		
15	64QAM	1	74	22.13	22.33	22.15		
15	64QAM	36	0	21.35	21.24	21.28	22.7	3
15	64QAM	36	20	21.11	21.31	21.07		
15	64QAM	36	39	21.22	21.22	21.04		
15	64QAM	75	0	21.33	21.19	20.97		
15	256QAM	1	0	19.35	19.49	19.43	20.7	5
15	256QAM	1	37	19.08	19.39	19.31		
15	256QAM	1	74	19.38	19.34	19.34		
15	256QAM	36	0	19.36	19.61	19.51	20.7	5
15	256QAM	36	20	19.17	19.55	19.31		
15	256QAM	36	39	19.36	19.32	19.50		
15	256QAM	75	0	19.46	19.47	19.39		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.29	24.45	24.33	25.7	0
10	QPSK	1	25	24.20	24.44	24.22		
10	QPSK	1	49	24.29	24.15	24.10		
10	QPSK	25	0	23.11	23.34	23.17	24.7	1
10	QPSK	25	12	23.26	23.18	23.16		
10	QPSK	25	25	23.03	23.13	23.43		
10	QPSK	50	0	23.32	23.36	23.43		
10	16QAM	1	0	23.41	23.28	23.45	24.7	1
10	16QAM	1	25	23.27	23.53	23.20		
10	16QAM	1	49	23.39	23.20	23.13		
10	16QAM	25	0	22.42	22.35	22.36	23.7	2
10	16QAM	25	12	22.07	22.32	22.29		
10	16QAM	25	25	22.00	22.07	22.15		
10	16QAM	50	0	22.25	22.25	22.22		
10	64QAM	1	0	22.28	22.29	22.32	23.7	2
10	64QAM	1	25	21.94	22.25	22.31		
10	64QAM	1	49	22.04	22.30	22.23		
10	64QAM	25	0	21.19	21.34	21.26	22.7	3
10	64QAM	25	12	21.01	21.22	21.02		
10	64QAM	25	25	21.16	21.28	20.95		
10	64QAM	50	0	21.14	21.20	21.15		
10	256QAM	1	0	19.25	19.56	19.50	20.7	5
10	256QAM	1	25	19.12	19.41	19.35		
10	256QAM	1	49	19.35	19.35	19.23		
10	256QAM	25	0	19.35	19.58	19.64	20.7	5
10	256QAM	25	12	19.16	19.60	19.37		
10	256QAM	25	25	19.29	19.30	19.39		
10	256QAM	50	0	19.34	19.43	19.49		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.24	24.36	24.33	25.7	0
5	QPSK	1	12	24.20	24.33	24.37		
5	QPSK	1	24	24.40	24.31	24.07		
5	QPSK	12	0	23.00	23.23	23.18	24.7	1
5	QPSK	12	7	23.26	23.13	23.27		
5	QPSK	12	13	23.02	23.24	23.41		
5	QPSK	25	0	23.43	23.43	23.44		
5	16QAM	1	0	23.36	23.47	23.32	24.7	1
5	16QAM	1	12	23.37	23.45	23.24		
5	16QAM	1	24	23.29	23.21	23.18		
5	16QAM	12	0	22.23	22.33	22.36	23.7	2
5	16QAM	12	7	22.05	22.44	22.29		
5	16QAM	12	13	22.10	22.12	22.22		
5	16QAM	25	0	22.06	22.08	22.05		
5	64QAM	1	0	22.35	22.46	22.36	23.7	2
5	64QAM	1	12	22.09	22.10	22.18		
5	64QAM	1	24	21.98	22.21	22.22		
5	64QAM	12	0	21.17	21.39	21.13	22.7	3
5	64QAM	12	7	21.05	21.23	21.04		
5	64QAM	12	13	21.28	21.24	20.95		
5	64QAM	25	0	21.24	21.36	21.07		
5	256QAM	1	0	19.32	19.48	19.34	20.7	5
5	256QAM	1	12	19.28	19.30	19.51		
5	256QAM	1	24	19.37	19.30	19.24		
5	256QAM	12	0	19.33	19.52	19.44	20.7	5
5	256QAM	12	7	19.11	19.49	19.32		
5	256QAM	12	13	19.21	19.39	19.45		
5	256QAM	25	0	19.28	19.46	19.40		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.29	24.35	24.23	25.7	0
3	QPSK	1	8	24.41	24.31	24.25		
3	QPSK	1	14	24.38	24.34	24.06		
3	QPSK	8	0	23.14	23.23	23.02	24.7	1
3	QPSK	8	4	23.32	23.24	23.10		
3	QPSK	8	7	23.08	23.06	23.35		
3	QPSK	15	0	23.31	23.34	23.27		
3	16QAM	1	0	23.40	23.32	23.28	24.7	1
3	16QAM	1	8	23.23	23.47	23.32		
3	16QAM	1	14	23.25	23.32	23.23		
3	16QAM	8	0	22.21	22.43	22.39	23.7	2
3	16QAM	8	4	22.18	22.34	22.14		
3	16QAM	8	7	22.18	22.07	22.08		
3	16QAM	15	0	22.26	22.07	22.19		
3	64QAM	1	0	22.36	22.35	22.36	23.7	2
3	64QAM	1	8	22.01	22.06	22.33		
3	64QAM	1	14	21.94	22.26	22.27		
3	64QAM	8	0	21.29	21.26	21.16	22.7	3
3	64QAM	8	4	20.96	21.26	21.04		
3	64QAM	8	7	21.30	21.38	21.18		
3	64QAM	15	0	21.14	21.37	21.01		
3	256QAM	1	0	19.44	19.53	19.55	20.7	5
3	256QAM	1	8	19.12	19.36	19.54		
3	256QAM	1	14	19.31	19.40	19.28		
3	256QAM	8	0	19.42	19.69	19.58	20.7	5
3	256QAM	8	4	19.31	19.47	19.42		
3	256QAM	8	7	19.20	19.29	19.38		
3	256QAM	15	0	19.28	19.40	19.58		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.37	24.34	24.32	25.7	0
1.4	QPSK	1	3	24.40	24.26	24.37		
1.4	QPSK	1	5	24.29	24.27	24.20		
1.4	QPSK	3	0	24.33	24.09	24.22		
1.4	QPSK	3	1	24.24	24.01	24.29		
1.4	QPSK	3	3	24.33	24.14	24.09		
1.4	QPSK	6	0	23.40	23.29	23.31	24.7	1
1.4	16QAM	1	0	23.49	23.46	23.49	24.7	1
1.4	16QAM	1	3	23.18	23.34	23.28		
1.4	16QAM	1	5	23.37	23.22	23.21		
1.4	16QAM	3	0	23.36	23.43	23.31		
1.4	16QAM	3	1	23.33	23.36	23.30		
1.4	16QAM	3	3	23.10	23.00	22.93		
1.4	16QAM	6	0	22.24	22.22	21.96	23.7	2
1.4	64QAM	1	0	22.24	22.32	22.11	23.7	2
1.4	64QAM	1	3	21.82	22.20	22.17		
1.4	64QAM	1	5	22.03	22.16	22.29		
1.4	64QAM	3	0	22.27	22.14	22.08		
1.4	64QAM	3	1	21.98	22.12	22.30		
1.4	64QAM	3	3	21.82	22.28	21.99		
1.4	64QAM	6	0	21.28	21.34	21.29	22.7	3
1.4	256QAM	1	0	19.30	19.59	19.37	20.7	5
1.4	256QAM	1	3	19.34	19.48	19.31		
1.4	256QAM	1	5	19.38	19.47	19.24		
1.4	256QAM	3	0	19.44	19.60	19.61		
1.4	256QAM	3	1	19.16	19.63	19.38		
1.4	256QAM	3	3	19.23	19.41	19.34		
1.4	256QAM	6	0	19.50	19.40	19.60	20.7	5

Band 7 Other PA Ant4 Default

BW [MHz]	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	25.03	25.09	24.97	25.7	0
20	QPSK	1	49	24.87	24.95	24.85		
20	QPSK	1	99	24.96	24.92	24.89		
20	QPSK	50	0	23.92	24.34	23.94	24.7	1
20	QPSK	50	24	24.01	23.91	23.98		
20	QPSK	50	50	23.98	23.89	23.90		
20	QPSK	100	0	24.08	24.22	24.16		
20	16QAM	1	0	23.93	24.19	24.02	24.7	1
20	16QAM	1	49	23.89	24.21	23.85		
20	16QAM	1	99	23.98	24.03	23.96		
20	16QAM	50	0	23.04	23.00	23.11	23.7	2
20	16QAM	50	24	22.78	22.91	22.94		
20	16QAM	50	50	22.77	22.91	22.70		
20	16QAM	100	0	22.80	22.80	22.87		
20	64QAM	1	0	23.00	22.99	22.92	23.7	2
20	64QAM	1	49	22.69	22.94	22.98		
20	64QAM	1	99	22.73	23.02	22.84		
20	64QAM	50	0	21.91	21.93	21.93	22.7	3
20	64QAM	50	24	21.82	22.04	21.69		
20	64QAM	50	50	21.89	21.90	21.83		
20	64QAM	100	0	21.82	21.89	21.78		
20	256QAM	1	0	19.95	20.26	20.04	20.7	5
20	256QAM	1	49	19.92	20.05	19.99		
20	256QAM	1	99	20.07	20.12	19.99		
20	256QAM	50	0	20.03	20.29	20.25	20.7	5
20	256QAM	50	24	19.90	20.30	19.91		
20	256QAM	50	50	20.03	20.00	20.03		
20	256QAM	100	0	20.08	20.29	20.15		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.75	24.96	24.94	25.7	0
15	QPSK	1	37	24.81	24.84	24.83		
15	QPSK	1	74	24.85	24.65	24.53		
15	QPSK	36	0	23.59	23.79	23.84	24.7	1
15	QPSK	36	20	23.72	23.54	23.63		
15	QPSK	36	39	23.47	23.55	23.74		
15	QPSK	75	0	23.83	24.02	23.77		
15	16QAM	1	0	23.74	23.75	23.78	24.7	1
15	16QAM	1	37	23.64	23.84	23.79		
15	16QAM	1	74	23.69	23.68	23.67		
15	16QAM	36	0	22.81	22.76	22.81	23.7	2
15	16QAM	36	20	22.60	22.75	22.71		
15	16QAM	36	39	22.60	22.74	22.53		
15	16QAM	75	0	22.57	22.64	22.51		
15	64QAM	1	0	22.84	22.90	22.64	23.7	2
15	64QAM	1	37	22.40	22.54	22.85		
15	64QAM	1	74	22.45	22.64	22.64		
15	64QAM	36	0	21.85	21.93	21.60	22.7	3
15	64QAM	36	20	21.52	21.78	21.49		
15	64QAM	36	39	21.68	21.74	21.65		
15	64QAM	75	0	21.73	21.78	21.47		
15	256QAM	1	0	19.85	20.06	19.80	20.7	5
15	256QAM	1	37	19.70	19.82	19.97		
15	256QAM	1	74	19.83	19.72	19.83		
15	256QAM	36	0	19.95	20.14	20.13	20.7	5
15	256QAM	36	20	19.66	19.88	19.81		
15	256QAM	36	39	19.74	19.88	20.03		
15	256QAM	75	0	19.91	19.93	19.98		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.87	24.96	24.90	25.7	0
10	QPSK	1	25	24.77	24.90	24.85		
10	QPSK	1	49	24.66	24.65	24.67		
10	QPSK	25	0	23.54	23.77	23.51	24.7	1
10	QPSK	25	12	23.72	23.64	23.61		
10	QPSK	25	25	23.59	23.61	23.67		
10	QPSK	50	0	23.79	23.97	23.84		
10	16QAM	1	0	23.91	23.85	23.75	24.7	1
10	16QAM	1	25	23.65	23.89	23.79		
10	16QAM	1	49	23.70	23.78	23.64		
10	16QAM	25	0	22.82	22.71	22.92	23.7	2
10	16QAM	25	12	22.71	22.87	22.67		
10	16QAM	25	25	22.64	22.64	22.65		
10	16QAM	50	0	22.66	22.70	22.60		
10	64QAM	1	0	22.81	22.91	22.77	23.7	2
10	64QAM	1	25	22.41	22.61	22.70		
10	64QAM	1	49	22.45	22.71	22.81		
10	64QAM	25	0	21.85	21.90	21.61	22.7	3
10	64QAM	25	12	21.60	21.74	21.48		
10	64QAM	25	25	21.66	21.88	21.41		
10	64QAM	50	0	21.65	21.82	21.63		
10	256QAM	1	0	19.91	20.09	19.96	20.7	5
10	256QAM	1	25	19.59	19.92	19.97		
10	256QAM	1	49	19.82	19.82	19.87		
10	256QAM	25	0	19.82	20.07	20.13	20.7	5
10	256QAM	25	12	19.67	19.96	19.84		
10	256QAM	25	25	19.70	19.81	20.03		
10	256QAM	50	0	19.81	19.98	20.06		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.76	24.98	24.79	25.7	0
5	QPSK	1	12	24.69	24.97	24.78		
5	QPSK	1	24	24.66	24.69	24.71		
5	QPSK	12	0	23.58	23.91	23.72	24.7	1
5	QPSK	12	7	23.64	23.54	23.59		
5	QPSK	12	13	23.48	23.66	23.88		
5	QPSK	25	0	23.70	23.96	23.87		
5	16QAM	1	0	23.73	23.87	23.91	24.7	1
5	16QAM	1	12	23.79	23.80	23.87		
5	16QAM	1	24	23.87	23.80	23.68		
5	16QAM	12	0	22.88	22.93	22.85	23.7	2
5	16QAM	12	7	22.58	22.72	22.75		
5	16QAM	12	13	22.47	22.62	22.51		
5	16QAM	25	0	22.55	22.69	22.62		
5	64QAM	1	0	22.71	22.76	22.65	23.7	2
5	64QAM	1	12	22.45	22.61	22.67		
5	64QAM	1	24	22.57	22.68	22.78		
5	64QAM	12	0	21.67	21.83	21.62	22.7	3
5	64QAM	12	7	21.56	21.79	21.50		
5	64QAM	12	13	21.64	21.80	21.65		
5	64QAM	25	0	21.67	21.71	21.47		
5	256QAM	1	0	19.94	19.99	19.93	20.7	5
5	256QAM	1	12	19.58	19.90	19.90		
5	256QAM	1	24	19.81	19.90	19.71		
5	256QAM	12	0	19.91	19.98	20.00	20.7	5
5	256QAM	12	7	19.61	19.93	19.75		
5	256QAM	12	13	19.78	19.89	19.83		
5	256QAM	25	0	19.80	19.86	19.99		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	24.87	24.99	24.89	25.7	0
20	QPSK	1	49	24.71	24.86	24.66		
20	QPSK	1	99	24.85	24.66	24.55		
20	QPSK	50	0	23.60	23.73	23.61	24.7	1
20	QPSK	50	24	23.68	23.55	23.57		
20	QPSK	50	50	23.56	23.69	23.69		
20	QPSK	100	0	23.52	23.69	23.49		
20	16QAM	1	0	23.85	23.90	23.94	24.7	1
20	16QAM	1	49	23.86	23.84	23.63		
20	16QAM	1	99	23.76	23.81	23.71		
20	16QAM	50	0	22.84	22.73	22.82	23.7	2
20	16QAM	50	24	22.59	22.75	22.61		
20	16QAM	50	50	22.53	22.61	22.49		
20	16QAM	100	0	22.69	22.61	22.55		
20	64QAM	1	0	22.61	22.89	22.74	23.7	2
20	64QAM	1	49	22.60	22.71	22.75		
20	64QAM	1	99	22.53	22.75	22.71		
20	64QAM	50	0	21.64	21.79	21.55	22.7	3
20	64QAM	50	24	21.64	21.89	21.57		
20	64QAM	50	50	21.65	21.79	21.52		
20	64QAM	100	0	21.64	21.87	21.51		
20	256QAM	1	0	19.81	20.06	19.90	20.7	5
20	256QAM	1	49	19.58	19.95	19.86		
20	256QAM	1	99	19.81	19.88	19.80		
20	256QAM	50	0	19.98	20.12	19.93	20.7	5
20	256QAM	50	24	19.78	20.07	19.93		
20	256QAM	50	50	19.77	19.80	19.91		
20	256QAM	100	0	19.86	20.08	19.92		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.82	24.87	24.85	25.7	0
15	QPSK	1	37	24.76	24.88	24.67		
15	QPSK	1	74	24.69	24.72	24.59		
15	QPSK	36	0	23.54	23.89	23.68	24.7	1
15	QPSK	36	20	23.80	23.50	23.67		
15	QPSK	36	39	23.48	23.70	23.68		
15	QPSK	75	0	23.91	23.85	23.94		
15	16QAM	1	0	23.84	23.92	23.89	24.7	1
15	16QAM	1	37	23.70	23.86	23.75		
15	16QAM	1	74	23.87	23.71	23.74		
15	16QAM	36	0	22.88	22.94	22.80	23.7	2
15	16QAM	36	20	22.60	22.73	22.72		
15	16QAM	36	39	22.61	22.55	22.59		
15	16QAM	75	0	22.72	22.60	22.54		
15	64QAM	1	0	22.60	22.76	22.59	23.7	2
15	64QAM	1	37	22.55	22.61	22.64		
15	64QAM	1	74	22.64	22.72	22.59		
15	64QAM	36	0	21.67	21.82	21.71	22.7	3
15	64QAM	36	20	21.44	21.87	21.58		
15	64QAM	36	39	21.60	21.72	21.43		
15	64QAM	75	0	21.77	21.79	21.53		
15	256QAM	1	0	19.73	19.93	19.85	20.7	5
15	256QAM	1	37	19.56	19.75	19.90		
15	256QAM	1	74	19.81	19.77	19.74		
15	256QAM	36	0	19.82	20.09	19.90	20.7	5
15	256QAM	36	20	19.76	19.92	19.83		
15	256QAM	36	39	19.85	19.94	20.02		
15	256QAM	75	0	19.87	19.88	19.98		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2615		
10	QPSK	1	0	24.75	24.77	24.87	25.7	0
10	QPSK	1	25	24.87	24.90	24.84		
10	QPSK	1	49	24.83	24.61	24.62		
10	QPSK	25	0	23.50	23.72	23.69	24.7	1
10	QPSK	25	12	23.79	23.63	23.64		
10	QPSK	25	25	23.56	23.56	23.86		
10	QPSK	50	0	23.83	23.93	23.75		
10	16QAM	1	0	23.85	23.82	23.80	24.7	1
10	16QAM	1	25	23.83	23.91	23.63		
10	16QAM	1	49	23.69	23.83	23.59		
10	16QAM	25	0	22.89	22.84	22.78	23.7	2
10	16QAM	25	12	22.47	22.76	22.73		
10	16QAM	25	25	22.55	22.66	22.58		
10	16QAM	50	0	22.61	22.61	22.53		
10	64QAM	1	0	22.79	22.94	22.64	23.7	2
10	64QAM	1	25	22.46	22.69	22.79		
10	64QAM	1	49	22.61	22.72	22.69		
10	64QAM	25	0	21.85	21.69	21.77	22.7	3
10	64QAM	25	12	21.55	21.87	21.50		
10	64QAM	25	25	21.78	21.84	21.54		
10	64QAM	50	0	21.63	21.74	21.58		
10	256QAM	1	0	19.93	19.99	19.85	20.7	5
10	256QAM	1	25	19.62	19.78	19.92		
10	256QAM	1	49	19.91	19.76	19.71		
10	256QAM	25	0	19.83	19.98	19.91	20.7	5
10	256QAM	25	12	19.79	20.12	19.73		
10	256QAM	25	25	19.75	19.83	19.93		
10	256QAM	50	0	19.78	20.06	19.86		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.89	24.76	24.86	25.7	0
5	QPSK	1	12	24.83	24.79	24.79		
5	QPSK	1	24	24.68	24.72	24.68		
5	QPSK	12	0	23.47	23.61	23.64	24.7	1
5	QPSK	12	7	23.66	23.53	23.56		
5	QPSK	12	13	23.46	23.64	23.83		
5	QPSK	25	0	23.72	24.03	23.76		
5	16QAM	1	0	23.75	23.87	23.83	24.7	1
5	16QAM	1	12	23.72	23.96	23.82		
5	16QAM	1	24	23.76	23.68	23.56		
5	16QAM	12	0	22.78	22.91	22.76	23.7	2
5	16QAM	12	7	22.60	22.81	22.71		
5	16QAM	12	13	22.63	22.71	22.67		
5	16QAM	25	0	22.72	22.64	22.59		
5	64QAM	1	0	22.64	22.87	22.63	23.7	2
5	64QAM	1	12	22.61	22.59	22.78		
5	64QAM	1	24	22.47	22.66	22.58		
5	64QAM	12	0	21.70	21.88	21.66	22.7	3
5	64QAM	12	7	21.46	21.88	21.51		
5	64QAM	12	13	21.76	21.81	21.48		
5	64QAM	25	0	21.61	21.78	21.48		
5	256QAM	1	0	19.87	20.11	20.03	20.7	5
5	256QAM	1	12	19.68	19.90	19.96		
5	256QAM	1	24	19.89	19.93	19.71		
5	256QAM	12	0	20.00	20.18	19.97	20.7	5
5	256QAM	12	7	19.79	20.05	19.79		
5	256QAM	12	13	19.85	19.84	20.05		
5	256QAM	25	0	19.87	20.04	19.88		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.93	24.89	25.04	24.91	24.78	25.7	0
20	QPSK	1	49	24.97	24.72	24.86	24.74	24.84		
20	QPSK	1	99	24.68	24.84	24.89	24.97	24.70		
20	QPSK	50	0	23.89	23.70	23.99	23.82	23.97	24.7	1
20	QPSK	50	24	23.84	23.72	23.72	23.60	23.80		
20	QPSK	50	50	23.93	23.82	23.91	23.71	23.91		
20	QPSK	100	0	23.92	23.81	24.00	23.76	23.87		
20	16QAM	1	0	23.68	23.82	23.84	23.72	23.65	24.7	1
20	16QAM	1	49	23.80	23.68	23.78	23.84	23.55		
20	16QAM	1	99	23.71	23.76	23.83	23.71	23.68		
20	16QAM	50	0	22.74	22.88	22.91	22.78	22.92	23.7	2
20	16QAM	50	24	22.80	22.65	22.97	22.59	22.71		
20	16QAM	50	50	22.71	22.63	22.89	22.70	22.69		
20	16QAM	100	0	22.65	22.80	22.76	22.75	22.71		
20	64QAM	1	0	22.87	22.80	22.92	22.78	22.85	23.7	2
20	64QAM	1	49	22.72	22.82	22.81	22.75	22.69		
20	64QAM	1	99	22.74	22.80	22.96	22.70	22.64		
20	64QAM	50	0	22.09	21.96	21.94	21.97	21.80	22.7	3
20	64QAM	50	24	21.89	21.87	21.81	21.81	21.81		
20	64QAM	50	50	21.92	21.81	21.72	21.70	21.66		
20	64QAM	100	0	21.64	21.64	21.77	21.69	21.57		
20	256QAM	1	0	20.00	19.86	20.10	19.91	19.90	20.7	5
20	256QAM	1	49	19.78	19.93	19.67	19.84	19.90		
20	256QAM	1	99	19.67	19.68	19.92	19.87	19.72		
20	256QAM	50	0	19.99	19.86	19.98	19.89	19.97	20.7	5
20	256QAM	50	24	19.81	19.56	19.82	19.92	19.71		
20	256QAM	50	50	19.75	19.58	19.88	19.88	19.96		
20	256QAM	100	0	19.75	19.69	19.96	19.75	19.76		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.75	24.76	24.84	24.78	24.78	26	0
15	QPSK	1	37	24.72	24.71	24.79	24.75	24.74		
15	QPSK	1	74	24.74	24.73	24.86	24.83	24.51		
15	QPSK	36	0	23.84	23.67	23.77	23.83	23.90	24.7	1
15	QPSK	36	20	23.89	23.64	23.75	23.62	23.74		
15	QPSK	36	39	23.74	23.84	23.88	23.70	23.69		
15	QPSK	75	0	23.74	23.85	23.89	23.82	23.67		
15	16QAM	1	0	23.68	23.74	23.71	23.44	23.49	24.7	1
15	16QAM	1	37	23.72	23.69	23.76	23.63	23.46		
15	16QAM	1	74	23.72	23.72	23.68	23.71	23.70		
15	16QAM	36	0	22.88	22.78	22.78	22.70	22.72	23.7	2
15	16QAM	36	20	22.77	22.59	22.71	22.52	22.71		
15	16QAM	36	39	22.46	22.72	22.66	22.52	22.74		
15	16QAM	75	0	22.46	22.63	22.77	22.56	22.51		
15	64QAM	1	0	22.93	22.90	22.85	22.80	22.74	23.7	2
15	64QAM	1	37	22.46	22.69	22.84	22.54	22.57		
15	64QAM	1	74	22.69	22.72	22.85	22.73	22.53		
15	64QAM	36	0	21.81	21.90	21.85	21.66	21.65	22.7	3
15	64QAM	36	20	21.85	21.68	21.63	21.83	21.68		
15	64QAM	36	39	21.65	21.78	21.65	21.53	21.46		
15	64QAM	75	0	21.64	21.61	21.61	21.57	21.56		
15	256QAM	1	0	19.78	19.84	19.88	19.81	19.69	20.7	5
15	256QAM	1	37	19.84	19.84	19.63	19.67	19.80		
15	256QAM	1	74	19.59	19.74	19.78	19.79	19.69		
15	256QAM	36	0	19.73	19.75	19.86	19.77	19.85	20.7	5
15	256QAM	36	20	19.61	19.63	19.66	19.70	19.68		
15	256QAM	36	39	19.72	19.66	19.83	19.82	19.78		
15	256QAM	75	0	19.66	19.50	19.78	19.76	19.79		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.77	24.76	24.91	24.76	24.83	26	0
10	QPSK	1	25	24.84	24.66	24.73	24.58	24.73		
10	QPSK	1	49	24.75	24.69	24.89	24.80	24.59		
10	QPSK	25	0	23.87	23.65	23.78	23.75	23.79	24.7	1
10	QPSK	25	12	23.94	23.65	23.63	23.68	23.61		
10	QPSK	25	25	23.92	23.71	23.74	23.70	23.76		
10	QPSK	50	0	23.66	23.94	23.85	23.64	23.74		
10	16QAM	1	0	23.64	23.64	23.72	23.65	23.50	24.7	1
10	16QAM	1	25	23.73	23.62	23.68	23.64	23.59		
10	16QAM	1	49	23.66	23.58	23.74	23.63	23.48		
10	16QAM	25	0	22.71	22.71	22.91	22.84	22.73	23.7	2
10	16QAM	25	12	22.59	22.65	22.93	22.63	22.65		
10	16QAM	25	25	22.43	22.73	22.72	22.68	22.61		
10	16QAM	50	0	22.45	22.57	22.62	22.69	22.53		
10	64QAM	1	0	22.79	22.73	22.97	22.73	22.85	23.7	2
10	64QAM	1	25	22.54	22.87	22.74	22.68	22.70		
10	64QAM	1	49	22.66	22.73	22.94	22.61	22.59		
10	64QAM	25	0	21.89	21.87	21.97	21.72	21.63	22.7	3
10	64QAM	25	12	21.82	21.73	21.65	21.84	21.62		
10	64QAM	25	25	21.70	21.76	21.62	21.53	21.49		
10	64QAM	50	0	21.53	21.47	21.61	21.65	21.43		
10	256QAM	1	0	19.91	19.83	19.99	19.89	19.69	20.7	5
10	256QAM	1	25	19.67	19.84	19.64	19.81	19.66		
10	256QAM	1	49	19.56	19.76	19.76	19.64	19.67		
10	256QAM	25	0	19.77	19.65	19.86	19.74	19.80	20.7	5
10	256QAM	25	12	19.74	19.67	19.77	19.80	19.61		
10	256QAM	25	25	19.73	19.58	19.75	19.88	19.72		
10	256QAM	50	0	19.67	19.56	19.80	19.89	19.72		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.67	24.75	24.84	24.86	24.67	26	0
5	QPSK	1	12	24.85	24.79	24.71	24.77	24.64		
5	QPSK	1	24	24.64	24.73	24.81	24.72	24.55		
5	QPSK	12	0	23.88	23.77	23.94	23.71	23.70	24.7	1
5	QPSK	12	7	23.73	23.45	23.68	23.59	23.70		
5	QPSK	12	13	23.81	23.85	23.81	23.69	23.60		
5	QPSK	25	0	23.83	23.93	23.84	23.74	23.77		
5	16QAM	1	0	23.67	23.76	23.76	23.65	23.58	24.7	1
5	16QAM	1	12	23.63	23.74	23.64	23.83	23.46		
5	16QAM	1	24	23.76	23.60	23.62	23.70	23.55		
5	16QAM	12	0	22.74	22.83	22.95	22.75	22.77	23.7	2
5	16QAM	12	7	22.56	22.49	22.84	22.62	22.59		
5	16QAM	12	13	22.63	22.60	22.59	22.52	22.77		
5	16QAM	25	0	22.49	22.62	22.74	22.69	22.65		
5	64QAM	1	0	22.85	22.79	22.86	22.91	22.78	23.7	2
5	64QAM	1	12	22.58	22.77	22.67	22.59	22.58		
5	64QAM	1	24	22.69	22.84	22.88	22.68	22.71		
5	64QAM	12	0	21.84	21.74	21.87	21.75	21.72	22.7	3
5	64QAM	12	7	21.87	21.71	21.62	21.64	21.60		
5	64QAM	12	13	21.85	21.72	21.70	21.54	21.46		
5	64QAM	25	0	21.48	21.47	21.70	21.62	21.48		
5	256QAM	1	0	19.85	19.78	19.93	19.85	19.85	20.7	5
5	256QAM	1	12	19.69	19.74	19.59	19.81	19.67		
5	256QAM	1	24	19.74	19.76	19.74	19.81	19.58		
5	256QAM	12	0	19.88	19.66	19.92	19.86	19.82	20.7	5
5	256QAM	12	7	19.69	19.67	19.72	19.79	19.62		
5	256QAM	12	13	19.71	19.55	19.77	19.74	19.73		
5	256QAM	25	0	19.66	19.45	19.86	19.80	19.72		

Reduced Power Mode for Other PA ECI1

Band 5 Other PA Ant0 ECI1

BW [MHz]	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	24.37	24.62	24.37	25.5	0
10	QPSK	1	25	24.51	24.52	24.22		
10	QPSK	1	49	24.26	24.48	24.38		
10	QPSK	25	0	23.51	23.59	23.44	24.5	1
10	QPSK	25	12	23.49	23.48	23.37		
10	QPSK	25	25	23.22	23.40	23.32		
10	QPSK	50	0	23.48	23.61	23.41		
10	16QAM	1	0	23.49	23.60	23.60	24.5	1
10	16QAM	1	25	23.35	23.48	23.39		
10	16QAM	1	49	23.66	23.58	23.41		
10	16QAM	25	0	22.54	22.64	22.51	23.5	2
10	16QAM	25	12	22.66	22.56	22.44		
10	16QAM	25	25	22.50	22.48	22.35		
10	16QAM	50	0	22.51	22.44	22.39		
10	64QAM	1	0	22.67	22.70	22.40	23.5	2
10	64QAM	1	25	22.39	22.77	22.37		
10	64QAM	1	49	22.42	22.41	22.43		
10	64QAM	25	0	21.50	21.51	21.55	22.5	3
10	64QAM	25	12	21.28	21.40	21.28		
10	64QAM	25	25	21.23	21.46	21.49		
10	64QAM	50	0	21.34	21.41	21.27		
10	256QAM	1	0	19.49	19.60	19.47	20.5	5
10	256QAM	1	25	19.28	19.42	19.49		
10	256QAM	1	49	19.57	19.44	19.42		
10	256QAM	25	0	19.40	19.44	19.44	20.5	5
10	256QAM	25	12	19.14	19.43	19.48		
10	256QAM	25	25	19.40	19.55	19.42		
10	256QAM	50	0	19.26	19.45	19.36		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.25	24.48	24.14	25.5	0
5	QPSK	1	12	24.50	24.45	24.17		
5	QPSK	1	24	24.04	24.25	24.23		
5	QPSK	12	0	23.29	23.50	23.39	24.5	1
5	QPSK	12	7	23.37	23.26	23.20		
5	QPSK	12	13	23.16	23.16	23.21		
5	QPSK	25	0	23.38	23.45	23.21		
5	16QAM	1	0	23.46	23.53	23.56	24.5	1
5	16QAM	1	12	23.20	23.43	23.22		
5	16QAM	1	24	23.55	23.53	23.34		
5	16QAM	12	0	22.50	22.58	22.43	23.5	2
5	16QAM	12	7	22.49	22.54	22.30		
5	16QAM	12	13	22.47	22.24	22.11		
5	16QAM	25	0	22.32	22.38	22.28		
5	64QAM	1	0	22.58	22.58	22.27	23.5	2
5	64QAM	1	12	22.28	22.77	22.29		
5	64QAM	1	24	22.41	22.36	22.39		
5	64QAM	12	0	21.41	21.39	21.44	22.5	3
5	64QAM	12	7	21.10	21.17	21.26		
5	64QAM	12	13	21.10	21.46	21.45		
5	64QAM	25	0	21.31	21.37	21.11		
5	256QAM	1	0	19.36	19.52	19.24	20.5	5
5	256QAM	1	12	19.28	19.25	19.31		
5	256QAM	1	24	19.39	19.41	19.29		
5	256QAM	12	0	19.28	19.27	19.21	20.5	5
5	256QAM	12	7	19.09	19.29	19.25		
5	256QAM	12	13	19.40	19.43	19.34		
5	256QAM	25	0	19.06	19.31	19.32		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.15	24.55	24.15	25.5	0
3	QPSK	1	8	24.48	24.48	24.14		
3	QPSK	1	14	24.11	24.27	24.30		
3	QPSK	8	0	23.32	23.43	23.23	24.5	1
3	QPSK	8	4	23.44	23.42	23.16		
3	QPSK	8	7	23.20	23.39	23.32		
3	QPSK	15	0	23.27	23.57	23.21		
3	16QAM	1	0	23.36	23.41	23.55	24.5	1
3	16QAM	1	8	23.31	23.38	23.37		
3	16QAM	1	14	23.57	23.43	23.23		
3	16QAM	8	0	22.54	22.58	22.28	23.5	2
3	16QAM	8	4	22.46	22.56	22.32		
3	16QAM	8	7	22.44	22.24	22.23		
3	16QAM	15	0	22.35	22.26	22.30		
3	64QAM	1	0	22.56	22.51	22.32	23.5	2
3	64QAM	1	8	22.30	22.66	22.28		
3	64QAM	1	14	22.35	22.29	22.29		
3	64QAM	8	0	21.45	21.31	21.33	22.5	3
3	64QAM	8	4	21.08	21.20	21.28		
3	64QAM	8	7	21.16	21.34	21.36		
3	64QAM	15	0	21.21	21.35	21.19		
3	256QAM	1	0	19.28	19.46	19.45	20.5	5
3	256QAM	1	8	19.11	19.30	19.32		
3	256QAM	1	14	19.43	19.29	19.38		
3	256QAM	8	0	19.18	19.24	19.42	20.5	5
3	256QAM	8	4	19.13	19.42	19.31		
3	256QAM	8	7	19.38	19.49	19.34		
3	256QAM	15	0	19.09	19.22	19.27		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.31	24.47	24.17	25.5	0
1.4	QPSK	1	3	24.28	24.36	24.12		
1.4	QPSK	1	5	24.07	24.45	24.32		
1.4	QPSK	3	0	24.12	24.31	24.03		
1.4	QPSK	3	1	24.18	24.29	24.07		
1.4	QPSK	3	3	24.05	24.31	24.25		
1.4	QPSK	6	0	23.31	23.57	23.25	24.5	1
1.4	16QAM	1	0	23.44	23.49	23.38	24.5	1
1.4	16QAM	1	3	23.30	23.37	23.25		
1.4	16QAM	1	5	23.65	23.57	23.38		
1.4	16QAM	3	0	23.31	23.38	23.19		
1.4	16QAM	3	1	23.15	23.21	23.17		
1.4	16QAM	3	3	23.43	23.48	23.33		
1.4	16QAM	6	0	22.44	22.36	22.33	23.5	2
1.4	64QAM	1	0	22.50	22.61	22.37	23.5	2
1.4	64QAM	1	3	22.39	22.59	22.19		
1.4	64QAM	1	5	22.40	22.39	22.28		
1.4	64QAM	3	0	22.28	22.52	22.18		
1.4	64QAM	3	1	22.17	22.56	22.23		
1.4	64QAM	3	3	22.26	22.36	22.26		
1.4	64QAM	6	0	21.31	21.28	21.14	22.5	3
1.4	256QAM	1	0	19.42	19.54	19.46	20.5	5
1.4	256QAM	1	3	19.36	19.32	19.41		
1.4	256QAM	1	5	19.55	19.27	19.40		
1.4	256QAM	3	0	19.34	19.38	19.40		
1.4	256QAM	3	1	19.26	19.39	19.39		
1.4	256QAM	3	3	19.39	19.52	19.36		
1.4	256QAM	6	0	19.02	19.37	19.33	20.5	5

Band 2 Other PA Ant1 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.73	17.87	17.76		
20	QPSK	1	49	17.53	17.79	17.48	19	0
20	QPSK	1	99	17.40	17.79	17.43		
20	QPSK	50	0	17.70	17.83	17.67		
20	QPSK	50	24	17.52	17.82	17.42	19	0
20	QPSK	50	50	17.52	17.78	17.50		
20	QPSK	100	0	17.75	17.77	17.76		
20	16QAM	1	0	17.49	17.78	17.55		
20	16QAM	1	49	17.43	17.76	17.55	19	0
20	16QAM	1	99	17.51	17.75	17.48		
20	16QAM	50	0	17.52	17.82	17.52		
20	16QAM	50	24	17.51	17.80	17.47	19	0
20	16QAM	50	50	17.51	17.76	17.46		
20	16QAM	100	0	17.47	17.80	17.44		
20	64QAM	1	0	17.51	17.76	17.54		
20	64QAM	1	49	17.50	17.77	17.45	19	0
20	64QAM	1	99	17.41	17.75	17.49		
20	64QAM	50	0	17.47	17.79	17.46		
20	64QAM	50	24	17.50	17.86	17.47	19	0
20	64QAM	50	50	17.49	17.76	17.47		
20	64QAM	100	0	17.42	17.77	17.51		
20	256QAM	1	0	17.43	17.84	17.56		
20	256QAM	1	49	17.40	17.84	17.47	19	0
20	256QAM	1	99	17.52	17.76	17.43		
20	256QAM	50	0	17.47	17.85	17.53		
20	256QAM	50	24	17.43	17.75	17.43	19	0
20	256QAM	50	50	17.46	17.79	17.51		
20	256QAM	100	0	17.44	17.77	17.44		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.65	17.69	17.60		
15	QPSK	1	37	17.71	17.78	17.63	19	0
15	QPSK	1	74	17.66	17.73	17.66		
15	QPSK	36	0	17.65	17.73	17.69		
15	QPSK	36	20	17.67	17.76	17.71	19	0
15	QPSK	36	39	17.74	17.66	17.68		
15	QPSK	75	0	17.65	17.74	17.63		
15	16QAM	1	0	17.78	17.78	17.61		
15	16QAM	1	37	17.71	17.69	17.70	19	0
15	16QAM	1	74	17.78	17.66	17.75		
15	16QAM	36	0	17.66	17.69	17.63		
15	16QAM	36	20	17.70	17.75	17.65	19	0
15	16QAM	36	39	17.71	17.76	17.72		
15	16QAM	75	0	17.71	17.74	17.64		
15	64QAM	1	0	17.74	17.70	17.63		
15	64QAM	1	37	17.71	17.76	17.61	19	0
15	64QAM	1	74	17.74	17.70	17.65		
15	64QAM	36	0	17.67	17.87	17.71		
15	64QAM	36	20	17.77	17.66	17.69	19	0
15	64QAM	36	39	17.77	17.73	17.67		
15	64QAM	75	0	17.77	17.78	17.66		
15	256QAM	1	0	17.74	17.74	17.71		
15	256QAM	1	37	17.69	17.69	17.59	19	0
15	256QAM	1	74	17.76	17.71	17.62		
15	256QAM	36	0	17.74	17.71	17.63		
15	256QAM	36	20	17.75	17.71	17.61	19	0
15	256QAM	36	39	17.75	17.66	17.66		
15	256QAM	75	0	17.68	17.73	17.63		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.74	17.72	17.61		
10	QPSK	1	25	17.66	17.71	17.63	19	0
10	QPSK	1	49	17.68	17.67	17.59		
10	QPSK	25	0	17.72	17.74	17.68		
10	QPSK	25	12	17.67	17.74	17.62	19	0
10	QPSK	25	25	17.65	17.69	17.61		
10	QPSK	50	0	17.72	17.69	17.63		
10	16QAM	1	0	17.68	17.76	17.66		
10	16QAM	1	25	17.67	17.75	17.66	19	0
10	16QAM	1	49	17.77	17.71	17.63		
10	16QAM	25	0	17.78	17.68	17.71		
10	16QAM	25	12	17.70	17.71	17.60	19	0
10	16QAM	25	25	17.76	17.79	17.63		
10	16QAM	50	0	17.78	17.75	17.58		
10	64QAM	1	0	17.65	17.67	17.69		
10	64QAM	1	25	17.69	17.74	17.68	19	0
10	64QAM	1	49	17.76	17.76	17.69		
10	64QAM	25	0	17.76	17.68	17.66		
10	64QAM	25	12	17.73	17.78	17.63	19	0
10	64QAM	25	25	17.65	17.68	17.71		
10	64QAM	50	0	17.68	17.76	17.68		
10	256QAM	1	0	17.70	17.76	17.69		
10	256QAM	1	25	17.66	17.77	17.59	19	0
10	256QAM	1	49	17.71	17.78	17.65		
10	256QAM	25	0	17.77	17.71	17.64		
10	256QAM	25	12	17.71	17.74	17.64	19	0
10	256QAM	25	25	17.66	17.74	17.72		
10	256QAM	50	0	17.70	17.72	17.71		
Channel				18623	18900	19177	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.71	17.69	17.68		
5	QPSK	1	12	17.65	17.73	17.63	19	0
5	QPSK	1	24	17.78	17.70	17.60		
5	QPSK	12	0	17.66	17.68	17.58		
5	QPSK	12	7	17.78	17.72	17.63	19	0
5	QPSK	12	13	17.78	17.78	17.69		
5	QPSK	25	0	17.67	17.74	17.63		
5	16QAM	1	0	17.75	17.75	17.62		
5	16QAM	1	12	17.69	17.66	17.64	19	0
5	16QAM	1	24	17.66	17.69	17.69		
5	16QAM	12	0	17.74	17.68	17.66		
5	16QAM	12	7	17.77	17.66	17.68	19	0
5	16QAM	12	13	17.65	17.66	17.59		
5	16QAM	25	0	17.70	17.67	17.68		
5	64QAM	1	0	17.68	17.68	17.67		
5	64QAM	1	12	17.74	17.75	17.71	19	0
5	64QAM	1	24	17.69	17.71	17.70		
5	64QAM	12	0	17.76	17.74	17.59		
5	64QAM	12	7	17.76	17.78	17.64	19	0
5	64QAM	12	13	17.75	17.75	17.72		
5	64QAM	25	0	17.79	17.72	17.63		
5	256QAM	1	0	17.69	17.68	17.65		
5	256QAM	1	12	17.73	17.69	17.62	19	0
5	256QAM	1	24	17.78	17.71	17.62		
5	256QAM	12	0	17.73	17.70	17.61		
5	256QAM	12	7	17.73	17.66	17.66	19	0
5	256QAM	12	13	17.71	17.76	17.72		
5	256QAM	25	0	17.67	17.75	17.61		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.77	17.72	17.65		
3	QPSK	1	8	17.68	17.78	17.63	19	0
3	QPSK	1	14	17.77	17.79	17.61		
3	QPSK	8	0	17.65	17.72	17.68		
3	QPSK	8	4	17.72	17.67	17.59	19	0
3	QPSK	8	7	17.67	17.77	17.66		
3	QPSK	15	0	17.74	17.67	17.70		
3	16QAM	1	0	17.74	17.68	17.64		
3	16QAM	1	8	17.72	17.73	17.68	19	0
3	16QAM	1	14	17.72	17.72	17.67		
3	16QAM	8	0	17.74	17.75	17.70		
3	16QAM	8	4	17.66	17.68	17.65	19	0
3	16QAM	8	7	17.67	17.68	17.62		
3	16QAM	15	0	17.67	17.69	17.61		
3	64QAM	1	0	17.75	17.74	17.69		
3	64QAM	1	8	17.72	17.78	17.62	19	0
3	64QAM	1	14	17.68	17.77	17.67		
3	64QAM	8	0	17.67	17.68	17.68		
3	64QAM	8	4	17.71	17.76	17.70	19	0
3	64QAM	8	7	17.75	17.73	17.64		
3	64QAM	15	0	17.73	17.66	17.62		
3	256QAM	1	0	17.76	17.76	17.61		
3	256QAM	1	8	17.74	17.72	17.60	19	0
3	256QAM	1	14	17.68	17.78	17.67		
3	256QAM	8	0	17.66	17.77	17.65		
3	256QAM	8	4	17.67	17.75	17.70	19	0
3	256QAM	8	7	17.70	17.73	17.63		
3	256QAM	15	0	17.72	17.76	17.60		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.78	17.69	17.60		
1.4	QPSK	1	3	17.68	17.67	17.62		
1.4	QPSK	1	5	17.68	17.69	17.60	19	0
1.4	QPSK	3	0	17.66	17.68	17.65		
1.4	QPSK	3	1	17.72	17.78	17.70		
1.4	QPSK	3	3	17.79	17.74	17.63		
1.4	QPSK	6	0	17.68	17.70	17.58	19	0
1.4	16QAM	1	0	17.75	17.73	17.62		
1.4	16QAM	1	3	17.78	17.79	17.67		
1.4	16QAM	1	5	17.65	17.78	17.62	19	0
1.4	16QAM	3	0	17.72	17.69	17.60		
1.4	16QAM	3	1	17.72	17.69	17.72		
1.4	16QAM	3	3	17.70	17.71	17.71		
1.4	16QAM	6	0	17.73	17.68	17.70	19	0
1.4	64QAM	1	0	17.74	17.78	17.59		
1.4	64QAM	1	3	17.68	17.75	17.66		
1.4	64QAM	1	5	17.71	17.73	17.65	19	0
1.4	64QAM	3	0	17.68	17.77	17.66		
1.4	64QAM	3	1	17.77	17.71	17.63		
1.4	64QAM	3	3	17.69	17.73	17.66		
1.4	64QAM	6	0	17.68	17.71	17.69	19	0
1.4	256QAM	1	0	17.78	17.67	17.65		
1.4	256QAM	1	3	17.76	17.77	17.70		
1.4	256QAM	1	5	17.67	17.73	17.62	19	0
1.4	256QAM	3	0	17.71	17.78	17.70		
1.4	256QAM	3	1	17.66	17.79	17.58		
1.4	256QAM	3	3	17.75	17.70	17.64		
1.4	256QAM	6	0	17.76	17.75	17.61	19	0

Band 5 Other PA Ant1 ECI1

BW [MHz]	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	24.36	24.58	24.38		
10	QPSK	1	25	24.11	24.32	24.26	25.5	0
10	QPSK	1	49	24.22	24.33	24.39		
10	QPSK	25	0	23.42	23.52	23.43		
10	QPSK	25	12	23.31	23.41	23.20	24.5	1
10	QPSK	25	25	23.07	23.22	23.30		
10	QPSK	50	0	23.48	23.62	23.41		
10	16QAM	1	0	23.33	23.40	23.63		
10	16QAM	1	25	23.34	23.27	23.35	24.5	1
10	16QAM	1	49	23.53	23.52	23.18		
10	16QAM	25	0	22.64	22.60	22.37		
10	16QAM	25	12	22.49	22.60	22.31	23.5	2
10	16QAM	25	25	22.40	22.34	22.36		
10	16QAM	50	0	22.21	22.30	22.15		
10	64QAM	1	0	22.62	22.56	22.34		
10	64QAM	1	25	22.31	22.60	22.35	23.5	2
10	64QAM	1	49	22.39	22.42	22.23		
10	64QAM	25	0	21.37	21.55	21.59		
10	64QAM	25	12	21.19	21.43	21.17	22.5	3
10	64QAM	25	25	21.29	21.48	21.43		
10	64QAM	50	0	21.27	21.18	21.02		
10	256QAM	1	0	19.55	19.40	19.45		
10	256QAM	1	25	19.30	19.11	19.45	20.5	5
10	256QAM	1	49	19.45	19.38	19.32		
10	256QAM	25	0	19.41	19.30	19.33		
10	256QAM	25	12	19.22	19.43	19.35	20.5	5
10	256QAM	25	25	19.18	19.39	19.33		
10	256QAM	50	0	19.36	19.43	19.19		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.15	24.39	24.26		
5	QPSK	1	12	24.41	24.53	24.08	25.5	0
5	QPSK	1	24	24.13	24.33	24.39		
5	QPSK	12	0	23.45	23.54	23.44		
5	QPSK	12	7	23.35	23.36	23.31	24.5	1
5	QPSK	12	13	23.20	23.27	23.31		
5	QPSK	25	0	23.39	23.64	23.40		
5	16QAM	1	0	23.46	23.50	23.50		
5	16QAM	1	12	23.44	23.33	23.31	24.5	1
5	16QAM	1	24	23.57	23.58	23.25		
5	16QAM	12	0	22.50	22.38	22.31		
5	16QAM	12	7	22.49	22.52	22.43	23.5	2
5	16QAM	12	13	22.40	22.42	22.23		
5	16QAM	25	0	22.28	22.43	22.14		
5	64QAM	1	0	22.54	22.65	22.32		
5	64QAM	1	12	22.36	22.74	22.42	23.5	2
5	64QAM	1	24	22.46	22.40	22.42		
5	64QAM	12	0	21.33	21.55	21.53		
5	64QAM	12	7	21.05	21.39	21.36	22.5	3
5	64QAM	12	13	21.06	21.27	21.43		
5	64QAM	25	0	21.30	21.25	21.19		
5	256QAM	1	0	19.58	19.51	19.46		
5	256QAM	1	12	19.26	19.15	19.47	20.5	5
5	256QAM	1	24	19.50	19.55	19.30		
5	256QAM	12	0	19.42	19.46	19.27		
5	256QAM	12	7	19.06	19.44	19.32	20.5	5
5	256QAM	12	13	19.39	19.54	19.42		
5	256QAM	25	0	19.36	19.31	19.23		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.05	24.48	24.18		
3	QPSK	1	8	24.00	24.34	24.19	25.5	0
3	QPSK	1	14	24.09	24.28	24.30		
3	QPSK	8	0	23.49	23.46	23.47		
3	QPSK	8	4	23.23	23.44	23.16	24.5	1
3	QPSK	8	7	23.11	23.28	23.32		
3	QPSK	15	0	23.27	23.45	23.45		
3	16QAM	1	0	23.38	23.37	23.62		
3	16QAM	1	8	23.40	23.31	23.49	24.5	1
3	16QAM	1	14	23.49	23.49	23.17		
3	16QAM	8	0	22.54	22.39	22.30		
3	16QAM	8	4	22.64	22.46	22.35	23.5	2
3	16QAM	8	7	22.27	22.31	22.42		
3	16QAM	15	0	22.28	22.40	22.28		
3	64QAM	1	0	22.63	22.69	22.22		
3	64QAM	1	8	22.32	22.61	22.35	23.5	2
3	64QAM	1	14	22.37	22.42	22.34		
3	64QAM	8	0	21.32	21.40	21.47		
3	64QAM	8	4	21.03	21.49	21.21	22.5	3
3	64QAM	8	7	21.06	21.43	21.51		
3	64QAM	15	0	21.34	21.29	21.12		
3	256QAM	1	0	19.44	19.54	19.45		
3	256QAM	1	8	19.24	19.19	19.52	20.5	5
3	256QAM	1	14	19.35	19.46	19.41		
3	256QAM	8	0	19.50	19.35	19.13		
3	256QAM	8	4	19.23	19.35	19.42	20.5	5
3	256QAM	8	7	19.21	19.58	19.26		
3	256QAM	15	0	19.24	19.52	19.20		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.22	24.27	23.99		
1.4	QPSK	1	3	24.17	24.33	23.95		
1.4	QPSK	1	5	23.92	24.29	24.06	25.5	0
1.4	QPSK	3	0	23.98	24.32	24.03		
1.4	QPSK	3	1	24.13	24.19	23.99		
1.4	QPSK	3	3	23.97	24.13	23.88		
1.4	QPSK	6	0	23.37	23.30	23.12	24.5	1
1.4	16QAM	1	0	23.27	23.45	23.20		
1.4	16QAM	1	3	23.10	23.23	23.24		
1.4	16QAM	1	5	23.54	23.45	23.25	24.5	1
1.4	16QAM	3	0	23.16	23.23	22.93		
1.4	16QAM	3	1	22.98	23.20	23.00		
1.4	16QAM	3	3	23.11	23.39	23.12		
1.4	16QAM	6	0	22.24	22.10	22.01	23.5	2
1.4	64QAM	1	0	22.28	22.41	22.28		
1.4	64QAM	1	3	22.15	22.32	22.07		
1.4	64QAM	1	5	22.19	22.32	22.11	23.5	2
1.4	64QAM	3	0	22.04	22.33	22.12		
1.4	64QAM	3	1	22.04	22.44	22.01		
1.4	64QAM	3	3	22.06	22.16	22.01		
1.4	64QAM	6	0	21.02	21.30	20.86	22.5	3
1.4	256QAM	1	0	19.37	19.44	19.34		
1.4	256QAM	1	3	19.13	19.29	19.35		
1.4	256QAM	1	5	19.53	19.21	19.25	20.5	5
1.4	256QAM	3	0	19.07	19.28	19.27		
1.4	256QAM	3	1	19.18	19.34	19.34		
1.4	256QAM	3	3	19.23	19.33	19.12		
1.4	256QAM	6	0	18.77	19.09	19.20	20.5	5

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BW [MHz]	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	18.44	18.52	18.40		
20	QPSK	1	49	18.39	18.43	18.32	19.2	0
20	QPSK	1	99	18.22	18.49	18.27		
20	QPSK	50	0	18.26	18.48	18.35		
20	QPSK	50	24	18.33	18.43	18.38		
20	QPSK	50	50	18.23	18.38	18.34	19.2	0
20	QPSK	100	0	18.41	18.43	18.35		
20	16QAM	1	0	18.24	18.37	18.27		
20	16QAM	1	49	18.28	18.50	18.35	19.2	0
20	16QAM	1	99	18.34	18.44	18.35		
20	16QAM	50	0	18.24	18.46	18.29		
20	16QAM	50	24	18.28	18.43	18.33	19.2	0
20	16QAM	50	50	18.23	18.47	18.28		
20	16QAM	100	0	18.24	18.47	18.32		
20	64QAM	1	0	18.20	18.47	18.37		
20	64QAM	1	49	18.31	18.40	18.34	19.2	0
20	64QAM	1	99	18.26	18.48	18.34		
20	64QAM	50	0	18.25	18.44	18.30		
20	64QAM	50	24	18.25	18.40	18.36	19.2	0
20	64QAM	50	50	18.28	18.38	18.28		
20	64QAM	100	0	18.28	18.49	18.32		
20	256QAM	1	0	18.26	18.47	18.36		
20	256QAM	1	49	18.26	18.47	18.31	19.2	0
20	256QAM	1	99	18.26	18.39	18.40		
20	256QAM	50	0	18.28	18.39	18.33		
20	256QAM	50	24	18.20	18.40	18.27	19.2	0
20	256QAM	50	50	18.20	18.39	18.36		
20	256QAM	100	0	18.27	18.37	18.38		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.17	18.40	18.27		
15	QPSK	1	37	18.15	18.35	18.20	19.2	0
15	QPSK	1	74	18.14	18.38	18.20		
15	QPSK	36	0	18.14	18.33	18.16		
15	QPSK	36	20	18.10	18.40	18.25	19.2	0
15	QPSK	36	39	18.15	18.27	18.18		
15	QPSK	75	0	18.15	18.38	18.22		
15	16QAM	1	0	18.17	18.37	18.24		
15	16QAM	1	37	18.13	18.32	18.25	19.2	0
15	16QAM	1	74	18.22	18.32	18.22		
15	16QAM	36	0	18.13	18.35	18.21		
15	16QAM	36	20	18.15	18.33	18.27	19.2	0
15	16QAM	36	39	18.11	18.41	18.18		
15	16QAM	75	0	18.20	18.33	18.24		
15	64QAM	1	0	18.16	18.35	18.23		
15	64QAM	1	37	18.16	18.31	18.26	19.2	0
15	64QAM	1	74	18.10	18.37	18.29		
15	64QAM	36	0	18.22	18.28	18.29		
15	64QAM	36	20	18.23	18.30	18.17	19.2	0
15	64QAM	36	39	18.20	18.34	18.30		
15	64QAM	75	0	18.16	18.27	18.30		
15	256QAM	1	0	18.15	18.38	18.24		
15	256QAM	1	37	18.10	18.29	18.21	19.2	0
15	256QAM	1	74	18.22	18.36	18.25		
15	256QAM	36	0	18.21	18.40	18.21		
15	256QAM	36	20	18.23	18.36	18.22	19.2	0
15	256QAM	36	39	18.19	18.31	18.21		
15	256QAM	75	0	18.11	18.28	18.24		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.10	18.37	18.21		
10	QPSK	1	25	18.23	18.34	18.16	19.2	0
10	QPSK	1	49	18.13	18.37	18.29		
10	QPSK	25	0	18.12	18.32	18.17		
10	QPSK	25	12	18.16	18.32	18.19	19.2	0
10	QPSK	25	25	18.21	18.41	18.27		
10	QPSK	50	0	18.20	18.38	18.29		
10	16QAM	1	0	18.21	18.39	18.19		
10	16QAM	1	25	18.20	18.30	18.28	19.2	0
10	16QAM	1	49	18.20	18.29	18.19		
10	16QAM	25	0	18.11	18.30	18.29		
10	16QAM	25	12	18.14	18.27

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.89	20.05	19.92	20.7	0
20	QPSK	1	49	19.83	19.92	19.82		
20	QPSK	1	99	19.92	19.94	19.82		
20	QPSK	50	0	19.93	19.99	19.94	20.7	0
20	QPSK	50	24	19.85	19.87	19.81		
20	QPSK	50	50	19.87	19.91	19.94		
20	QPSK	100	0	19.83	19.90	19.88		
20	16QAM	1	0	19.85	19.95	19.87	20.7	0
20	16QAM	1	49	19.82	19.96	19.90		
20	16QAM	1	99	19.90	19.87	19.84		
20	16QAM	50	0	19.83	19.86	19.84	20.7	0
20	16QAM	50	24	19.86	19.89	19.81		
20	16QAM	50	50	19.91	19.89	19.86		
20	16QAM	100	0	19.82	19.93	19.88		
20	64QAM	1	0	19.88	19.98	19.82	20.7	0
20	64QAM	1	49	19.84	19.87	19.93		
20	64QAM	1	99	19.81	19.93	19.82		
20	64QAM	50	0	19.83	19.93	19.94	20.7	0
20	64QAM	50	24	19.92	19.98	19.81		
20	64QAM	50	50	19.93	19.97	19.91		
20	64QAM	100	0	19.88	19.91	19.88		
20	256QAM	1	0	19.81	19.92	19.86	20.7	0
20	256QAM	1	49	19.82	19.87	19.83		
20	256QAM	1	99	19.84	19.92	19.83		
20	256QAM	50	0	19.87	19.96	19.84	20.7	0
20	256QAM	50	24	19.89	19.86	19.93		
20	256QAM	50	50	19.82	19.99	19.93		
20	256QAM	100	0	19.87	19.92	19.84		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	19.95	19.94	19.93	20.7	0
15	QPSK	1	37	19.92	19.97	19.95		
15	QPSK	1	74	19.87	20.03	19.88		
15	QPSK	36	0	19.87	19.97	19.96	20.7	0
15	QPSK	36	20	19.91	19.95	19.87		
15	QPSK	36	39	19.86	19.90	19.91		
15	QPSK	75	0	19.95	19.91	19.93		
15	16QAM	1	0	19.96	19.99	19.97	20.7	0
15	16QAM	1	37	19.86	19.91	19.88		
15	16QAM	1	74	19.85	20.00	19.87		
15	16QAM	36	0	19.96	20.02	19.93	20.7	0
15	16QAM	36	20	19.88	20.00	19.95		
15	16QAM	36	39	19.98	20.01	19.88		
15	16QAM	75	0	19.96	19.94	19.97		
15	64QAM	1	0	19.96	20.03	19.89	20.7	0
15	64QAM	1	37	19.89	20.02	19.87		
15	64QAM	1	74	19.88	19.95	19.96		
15	64QAM	36	0	19.90	19.94	19.96	20.7	0
15	64QAM	36	20	19.97	19.96	19.95		
15	64QAM	36	39	19.97	19.93	19.97		
15	64QAM	75	0	19.85	19.95	19.97		
15	256QAM	1	0	19.98	20.01	19.94	20.7	0
15	256QAM	1	37	19.94	19.92	19.91		
15	256QAM	1	74	19.88	19.95	19.98		
15	256QAM	36	0	19.88	19.95	19.94	20.7	0
15	256QAM	36	20	19.86	19.92	19.92		
15	256QAM	36	39	19.91	20.02	19.92		
15	256QAM	75	0	19.96	20.01	19.95		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	19.94	19.98	19.85	20.7	0
10	QPSK	1	25	19.91	19.97	19.87		
10	QPSK	1	49	19.97	19.91	19.98		
10	QPSK	25	0	19.94	19.98	19.92	20.7	0
10	QPSK	25	12	19.96	20.00	19.87		
10	QPSK	25	25	19.95	19.95	19.88		
10	QPSK	50	0	19.92	19.90	19.87		
10	16QAM	1	0	19.97	20.02	19.94	20.7	0
10	16QAM	1	25	19.85	19.91	19.97		
10	16QAM	1	49	19.94	19.93	19.85		
10	16QAM	25	0	19.95	20.03	19.92	20.7	0
10	16QAM	25	12	19.94	19.96	19.98		
10	16QAM	25	25	19.94	19.92	19.90		
10	16QAM	50	0	19.86	19.92	19.94		
10	64QAM	1	0	19.94	20.02	19.86	20.7	0
10	64QAM	1	25	19.94	19.95	19.92		
10	64QAM	1	49	19.85	20.01	19.98		
10	64QAM	25	0	19.86	19.97	19.87	20.7	0
10	64QAM	25	12	19.87	19.96	19.87		
10	64QAM	25	25	19.93	19.91	19.94		
10	64QAM	50	0	19.96	19.99	19.88		
10	256QAM	1	0	19.95	20.01	19.88	20.7	0
10	256QAM	1	25	19.98	19.91	19.98		
10	256QAM	1	49	19.86	19.99	19.95		
10	256QAM	25	0	19.93	19.98	19.98	20.7	0
10	256QAM	25	12	19.96	19.90	19.99		
10	256QAM	25	25	19.95	19.91	19.91		
10	256QAM	50	0	19.88	19.94	19.94		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	19.85	19.96	19.88	20.7	0
5	QPSK	1	12	19.97	20.01	19.86		
5	QPSK	1	24	19.91	20.01	19.98		
5	QPSK	12	0	19.96	20.00	19.91	20.7	0
5	QPSK	12	7	19.94	19.96	19.93		
5	QPSK	12	13	19.86	19.99	19.86		
5	QPSK	25	0	19.84	19.92	19.93		
5	16QAM	1	0	19.89	19.93	19.91	20.7	0
5	16QAM	1	12	19.93	20.03	19.94		
5	16QAM	1	24	19.91	19.94	19.96		
5	16QAM	12	0	19.91	20.01	19.94	20.7	0
5	16QAM	12	7	19.96	20.02	19.90		
5	16QAM	12	13	19.87	19.93	19.98		
5	16QAM	25	0	19.93	19.91	19.90		
5	64QAM	1	0	19.90	19.94	19.93	20.7	0
5	64QAM	1	12	19.94	20.01	19.95		
5	64QAM	1	24	19.94	19.99	19.90		
5	64QAM	12	0	19.93	20.03	19.94	20.7	0
5	64QAM	12	7	19.89	19.93	19.90		
5	64QAM	12	13	19.85	19.99	19.88		
5	64QAM	25	0	19.98	20.04	19.88		
5	256QAM	1	0	19.87	20.04	19.97	20.7	0
5	256QAM	1	12	19.90	19.93	19.96		
5	256QAM	1	24	19.84	20.01	19.86		
5	256QAM	12	0	19.87	19.94	19.96	20.7	0
5	256QAM	12	7	19.89	19.93	19.86		
5	256QAM	12	13	19.90	19.96	19.94		
5	256QAM	25	0	19.98	19.92	19.97		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	19.91	19.95	20.07	20.00	19.89	20.7	0
20	QPSK	1	49	19.86	19.95	19.99	19.93	19.86		
20	QPSK	1	99	19.86	20.03	20.03	19.95	19.88		
20	QPSK	50	0	19.95	19.91	20.04	20.02	19.90	20.7	0
20	QPSK	50	24	19.92	19.95	19.98	19.99	19.84		
20	QPSK	50	50	19.94	19.93	19.96	19.94	19.85		
20	QPSK	100	0	19.85	19.97	20.02	19.92	19.80		
20	16QAM	1	0	19.87	19.94	20.00	19.99	19.88	20.7	0
20	16QAM	1	49	19.93	20.02	20.02	19.93	19.82		
20	16QAM	1	99	19.93	20.02	19.98	20.02	19.91		
20	16QAM	50	0	19.89	19.96	20.00	19.93	19.93	20.7	0
20	16QAM	50	24	19.92	20.03	19.99	19.96	19.86		
20	16QAM	50	50	19.97	19.96	19.98	19.95	19.93		
20	16QAM	100	0	19.94	20.02	20.04	19.99	19.90		
20	64QAM	1	0	19.94	19.95	20.00	19.90	19.93	20.7	0
20	64QAM	1	49	19.87	20.02	19.96	19.92	19.87		
20	64QAM	1	99	19.91	20.01	20.02	20.04	19.93		
20	64QAM	50	0	19.85	19.94	19.96	20.01	19.90	20.7	0
20	64QAM	50	24	19.97	20.03	19.96	19.91	19.84		
20	64QAM	50	50	19.92	19.95	19.97	19.95	19.82		
20	64QAM	100	0	19.89	20.03	19.98	20.00	19.91		
20	256QAM	1	0	19.91	19.99	19.99	20.00	19.89	20.7	0
20	256QAM	1	49	19.85	19.95	19.96	19.92	19.92		
20	256QAM	1	99	19.94	20.01	20.01	19.99	19.84		
20	256QAM	50	0	19.86	19.92	19.98	20.01	19.82	20.7	0
20	256QAM	50	24	19.93	19.97	19.97	19.95	19.82		
20	256QAM	50	50	19.89	19.96	20.04	19.98	19.82		
20	256QAM	100	0	19.93	19.89	20.01	20.00	19.87		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	19.76	19.83	19.86	19.83	19.78	21	0
15	QPSK	1	37	19.75	19.85	19.83	19.86	19.72		
15	QPSK	1	74	19.83	19.85	19.90	19.91	19.83		
15	QPSK	36	0	19.80	19.84	19.95	19.88	19.70	20.7	0
15	QPSK	36	20	19.78	19.80	19.93	19.93	19.77		
15	QPSK	36	39	19.81	19.92	19.95	19.93	19.81		
15	QPSK	75	0	19.81	19.80	19.88	19.88	19.77		
15	16QAM	1	0	19.84	19.92	19.85	19.84	19.72	20.7	0
15	16QAM	1	37	19.79	19.88	19.93	19.85	19.71		
15	16QAM	1	74	19.74	19.93	19.84	19.87	19.76		
15	16QAM	36	0	19.76	19.89	19.84	19.83	19.76	20.7	0
15	16QAM	36	20	19.84	19.92	19.93	19.83	19.83		
15	16QAM	36	39	19.79	19.84	19.87	19.81	19.80		
15	16QAM	75	0	19.79	19.80	19.84	19.88	19.72		
15	64QAM	1	0	19.88	19.82	19.88	19.90	19.83	20.7	0
15	64QAM	1	37	19.88	19.86	19.95	19.92	19.75		
15	64QAM	1	74	19.84	19.87	19.84	19.81	19.73		
15	64QAM	36	0	19.77	19.89	19.84	19.88	19.79	20.7	0
15	64QAM	36	20	19.86	19.85	19.84	19.92	19.82		
15	64QAM	36	39	19.80	19.80	19.90	19.88	19.80		
15	64QAM	75	0	19.84	19.92	19.89	19.81	19.79		
15	256QAM	1	0	19.81	19.87	19.90	19.90	19.81	20.7	0
15	256QAM	1	37	19.85	19.88	19.83	19.82	19.82		
15	256QAM	1	74	19.77	19.86	19.84	19.91	19.83		
15	256QAM	36	0	19.78	19.91	19.84	19.83	19.75	20.7	0
15	256QAM	36	20	19.83	19.85	19.89	19.92	19.81		
15	256QAM	36	39	19.80	19.82	19.85	19.81	19.78		
15	256QAM	75	0	19.82	19.81	19.89	19.80	19.72		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	19.77	19.87	19.88	19.87	19.84	21	0
10	QPSK	1	25	19.78	19.87	19.89	19.83	19.70		
10	QPSK	1	49	19.81	19.88	19.95	19.89	19.80		
10	QPSK	25	0	19.84	19.89	19.93	19.83	19.70	20.7	0
10	QPSK	25	12	19.80	19.91	19.85	19.93	19.74		
10	QPSK	25	25	19.83	19.84	19.82	19.90	19.76		
10	QPSK	50	0	19.75	19.86	19.95	19.86	19.73		
10	16QAM	1	0	19.83	19.89	19.88	19.86	19.82	20.7	0
10	16QAM	1	25	19.75	19.93	19.93	19.91	19.74		
10	16QAM	1	49	19.78	19.90	19.92	19.94	19.79		
10	16QAM	25	0	19.82	19.93	19.92	19.81	19.72	20.7	0
10	16QAM	25	12	19.77	19.85	19.90	19.92	19.77		
10	16QAM	25	25	19.87	19.88	19.88	19.86	19.74		
10	16QAM	50	0	19.83	19.88	19.90	19.88	19.80		
10	64QAM	1	0	19.87	19.83	19.95	19.88	19.84	20.7	0
10	64QAM	1	25	19.86	19.81	19.91	19.84	19.83		
10	64QAM	1	49	19.85	19.85	19.83	19.87	19.72		
10	64QAM	25	0	19.75	19.88	19.89	19.81	19.74	20.7	0
10	64QAM	25	12	19.87	19.85	19.84	19.85	19.76		
10	64QAM	25	25	19.85	19.82	19.86	19.90	19.74		
10	64QAM	50	0	19.74	19.80	19.83	19.81	19.80		
10	256QAM	1	0	19.87	19.86	19.94	19.83	19.71	20.7	0
10	256QAM	1	25	19.84	19.87	19.94	19.93	19.71		
10	256QAM	1	49	19.84	19.90	19.89	19.88	19.83		
10	256QAM	25	0	19.87	19.79	19.83	19.82	19.76	20.7	0
10	256QAM	25	12	19.79	19.87	19.91	19.92	19.83		
10	256QAM	25	25	19.84	19.82	19.93	19.83	19.82		
10	256QAM	50	0	19.79	19.81	19.94	19.83	19.77		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	19.74	19.80	19.95	19.92	19.80	21	0
5	QPSK	1	12	19.84	19.90	19.84	19.83	19.74		
5	QPSK	1	24	19.84	19.83	19.95	19.94	19.79		
5	QPSK	12	0	19.76	19.89	19.84	19.83	19.76	20.7	0
5	QPSK	12	7	19.81	19.82	19.93	19.81	19.83		
5	QPSK	12	13	19.83	19.85	19.86	19.82	19.79		
5	QPSK	25	0	19.86	19.87	19.85	19.84	19.74		
5	16QAM	1	0	19.79	19.90	19.92	19.93	19.72	20.7	0
5	16QAM	1	12	19.86	19.91	19.92	19.89	19.77		
5	16QAM	1	24	19.75	19.91	19.83	19.84	19.71		
5	16QAM	12	0	19.82	19.92	19.83	19.89	19.75	20.7	0
5	16QAM	12	7	19.74	19.90	19.93	19.92	19.80		
5	16QAM	12	13	19.86	19.81	19.86	19.86	19.83		
5	16QAM	25	0	19.86	19.93	19.94	19.86	19.72		
5	64QAM	1	0	19.85	19.79	19.85	19.85	19.71	20.7	0
5	64QAM	1	12	19.87	19.84	19.82	19.80	19.81		
5	64QAM	1	24	19.79	19.82	19.96	19.89	19.78		
5	64QAM	12	0	19.86	19.86	19.85	19.82	19.73	20.7	0
5	64QAM	12	7	19.82	19.85	19.92	19.93	19.75		
5	64QAM	12	13	19.74	19.87	19.92	19.93	19.81		
5	64QAM	25	0	19.76	19.90	19.85	19.91	19.73		
5	256QAM	1	0	19.83	19.80	19.92	19.93	19.72	20.7	0
5	256QAM	1	12	19.79	19.80	19.87	19.88	19.83		
5	256QAM	1	24	19.83	19.80	19.87	19.89	19.72		
5	256QAM	12	0	19.85	19.90	19.90	19.89	19.83	20.7	0
5	256QAM	12	7	19.87	19.83	19.94	19.92	19.78		
5	256QAM	12	13	19.81	19.85	19.90	19.89	19.81		
5	256QAM	25	0	19.87	19.79	19.88	19.82	19.78		

Band 2 Other PA Ant2 ECI1

BW [MHz]	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	24.63	24.77	24.67	25.5	0
20	QPSK	1	49	24.53	24.63	24.55		
20	QPSK	1	99	24.58	24.63	24.54		
20	QPSK	50	0	23.38	23.70	23.51	24.5	1
20	QPSK	50	24	23.64	23.37	23.62		
20	QPSK	50	50	23.41	23.56	23.63		
20	QPSK	100	0	23.58	23.77	23.75		
20	16QAM	1	0	23.69	23.73	23.63	24.5	1
20	16QAM	1	49	23.61	23.86	23.60		
20	16QAM	1	99	23.57	23.51	23.54		
20	16QAM	50	0	22.56	22.60	22.67	23.5	2
20	16QAM	50	24	22.35	22.78	22.57		
20	16QAM	50	50	22.51	22.62	22.59		
20	16QAM	100	0	22.59	22.45	22.61		
20	64QAM	1	0	22.52	22.80	22.62	23.5	2
20	64QAM	1	49	22.37	22.47	22.63		
20	64QAM	1	99	22.31	22.68	22.64		
20	64QAM	50	0	21.68	21.67	21.65	22.5	3
20	64QAM	50	24	21.37	21.69	21.37		
20	64QAM	50	50	21.69	21.68	21.49		
20	64QAM	100	0	21.64	21.59	21.45		
20	256QAM	1	0	19.75	19.99	19.87	20.5	5
20	256QAM	1	49	19.56	19.74	19.87		
20	256QAM	1	99	19.67	19.60	19.69		
20	256QAM	50	0	19.86	20.02	19.87	20.5	5
20	256QAM	50	24	19.53	19.81	19.63		
20	256QAM	50	50	19.57	19.80	19.92		
20	256QAM	100	0	19.79	19.98	19.85		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.62	24.74	24.55	25.5	0
15	QPSK	1	37	24.55	24.60	24.48		
15	QPSK	1	74	24.69	24.48	24.43		
15	QPSK	36	0	23.31	23.54	23.34	24.5	1
15	QPSK	36	20	23.56	23.39	23.41		
15	QPSK	36	39	23.47	23.39	23.56		
15	QPSK	75	0	23.75	23.85	23.81		
15	16QAM	1	0	23.63	23.68	23.71	24.5	1
15	16QAM	1	37	23.54	23.67	23.65		
15	16QAM	1	74	23.54	23.59	23.48		
15	16QAM	36	0	22.61	22.72	22.60	23.5	2
15	16QAM	36	20	22.47	22.70	22.58		
15	16QAM	36	39	22.45	22.51	22.36		
15	16QAM	75	0	22.36	22.59	22.43		
15	64QAM	1	0	22.52	22.79	22.61	23.5	2
15	64QAM	1	37	22.36	22.39	22.59		
15	64QAM	1	74	22.46	22.47	22.58		
15	64QAM	36	0	21.56	21.65	21.49	22.5	3
15	64QAM	36	20	21.46	21.70	21.24		
15	64QAM	36	39	21.55	21.60	21.27		
15	64QAM	75	0	21.51	21.61	21.36		
15	256QAM	1	0	19.62	19.77	19.81	20.5	5
15	256QAM	1	37	19.39	19.78	19.74		
15	256QAM	1	74	19.58	19.63	19.60		
15	256QAM	36	0	19.66	19.99	19.94	20.5	5
15	256QAM	36	20	19.55	19.76	19.63		
15	256QAM	36	39	19.60	19.75	19.90		
15	256QAM	75	0	19.62	19.88	19.72		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.61	24.67	24.74	25.5	0
10	QPSK	1	25	24.60	24.67	24.61		
10	QPSK	1	49	24.54	24.57	24.46		
10	QPSK	25	0	23.24	23.66	23.42	24.5	1
10	QPSK	25	12	23.47	23.38	23.38		
10	QPSK	25	25	23.48	23.48	23.57		
10	QPSK	50	0	23.67	23.82	23.79		
10	16QAM	1	0	23.67	23.76	23.68	24.5	1
10	16QAM	1	25	23.66	23.76	23.57		
10	16QAM	1	49	23.59	23.57	23.59		
10	16QAM	25	0	22.62	22.61	22.75	23.5	2
10	16QAM	25	12	22.49	22.54	22.54		
10	16QAM	25	25	22.38	22.50	22.42		
10	16QAM	50	0	22.54	22.50	22.50		
10	64QAM	1	0	22.45	22.60	22.57	23.5	2
10	64QAM	1	25	22.32	22.44	22.58		
10	64QAM	1	49	22.33	22.48	22.46		
10	64QAM	25	0	21.66	21.73	21.41	22.5	3
10	64QAM	25	12	21.30	21.51	21.41		
10	64QAM	25	25	21.44	21.58	21.38		
10	64QAM	50	0	21.59	21.64	21.30		
10	256QAM	1	0	19.73	19.94	19.78	20.5	5
10	256QAM	1	25	19.57	19.77	19.75		
10	256QAM	1	49	19.59	19.75	19.53		
10	256QAM	25	0	19.67	19.91	19.91	20.5	5
10	256QAM	25	12	19.56	19.93	19.64		
10	256QAM	25	25	19.70	19.74	19.68		
10	256QAM	50	0	19.60	19.74	19.91		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.62	24.70	24.67	25.5	0
5	QPSK	1	12	24.67	24.62	24.49		
5	QPSK	1	24	24.66	24.56	24.52		
5	QPSK	12	0	23.34	23.57	23.47	24.5	1
5	QPSK	12	7	23.51	23.41	23.55		
5	QPSK	12	13	23.51	23.52	23.59		
5	QPSK	25	0	23.62	23.66	23.75		
5	16QAM	1	0	23.62	23.60	23.69	24.5	1
5	16QAM	1	12	23.47	23.84	23.59		
5	16QAM	1	24	23.73	23.69	23.45		
5	16QAM	12	0	22.63	22.77	22.61	23.5	2
5	16QAM	12	7	22.52	22.53	22.46		
5	16QAM	12	13	22.29	22.53	22.40		
5	16QAM	25	0	22.47	22.49	22.40		
5	64QAM	1	0	22.63	22.76	22.52	23.5	2
5	64QAM	1	12	22.46	22.60	22.50		
5	64QAM	1	24	22.44	22.65	22.63		
5	64QAM	12	0	21.62	21.71	21.51	22.5	3
5	64QAM	12	7	21.37	21.73	21.28		
5	64QAM	12	13	21.43	21.72	21.42		
5	64QAM	25	0	21.60	21.64	21.33		
5	256QAM	1	0	19.73	19.90	19.83	20.5	5
5	256QAM	1	12	19.58	19.63	19.78		
5	256QAM	1	24	19.70	19.78	19.52		
5	256QAM	12	0	19.75	19.90	19.79	20.5	5
5	256QAM	12	7	19.64	19.83	19.62		
5	256QAM	12	13	19.56	19.78	19.90		
5	256QAM	25	0	19.61	19.75	19.85		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.71	24.73	24.71	25.5	0
3	QPSK	1	8	24.57	24.68	24.68		
3	QPSK	1	14	24.67	24.47	24.41		
3	QPSK	8	0	23.44	23.55	23.55	24.5	1
3	QPSK	8	4	23.43	23.36	23.49		
3	QPSK	8	7	23.51	23.54	23.62		
3	QPSK	15	0	23.63	23.83	23.68		
3	16QAM	1	0	23.57	23.76	23.64	24.5	1
3	16QAM	1	8	23.66	23.79	23.55		
3	16QAM	1	14	23.72	23.67	23.39		
3	16QAM	8	0	22.72	22.58	22.65	23.5	2
3	16QAM	8	4	22.31	22.69	22.53		
3	16QAM	8	7	22.50	22.51	22.43		
3	16QAM	15	0	22.34	22.49	22.52		
3	64QAM	1	0	22.44	22.70	22.48	23.5	2
3	64QAM	1	8	22.41	22.56	22.64		
3	64QAM	1	14	22.37	22.46	22.54		
3	64QAM	8	0	21.54	21.73	21.61	22.5	3
3	64QAM	8	4	21.29	21.61	21.30		
3	64QAM	8	7	21.47	21.52	21.25		
3	64QAM	15	0	21.45	21.65	21.47		
3	256QAM	1	0	19.72	19.83	19.69	20.5	5
3	256QAM	1	8	19.54	19.67	19.68		
3	256QAM	1	14	19.68	19.78	19.61		
3	256QAM	8	0	19.78	19.84	19.77	20.5	5
3	256QAM	8	4	19.63	19.96	19.55		
3	256QAM	8	7	19.52	19.78	19.69		
3	256QAM	15	0	19.73	19.83	19.90		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.64	24.60	24.68	25.5	0
1.4	QPSK	1	3	24.65	24.58	24.63		
1.4	QPSK	1	5	24.61	24.49	24.54		
1.4	QPSK	3	0	24.54	24.43	24.52		
1.4	QPSK	3	1	24.43	24.41	24.51		
1.4	QPSK	3	3	24.52	24.49	24.50		
1.4	QPSK	6	0	23.76	23.65	23.63	24.5	1
1.4	16QAM	1	0	23.74	23.75	23.73	24.5	1
1.4	16QAM	1	3	23.58	23.75	23.63		
1.4	16QAM	1	5	23.64	23.52	23.44		
1.4	16QAM	3	0	23.63	23.68	23.68		
1.4	16QAM	3	1	23.54	23.59	23.58		
1.4	16QAM	3	3	23.47	23.36	23.26		
1.4	16QAM	6	0	22.58	22.59	22.36	23.5	2
1.4	64QAM	1	0	22.64	22.72	22.44	23.5	2
1.4	64QAM	1	3	22.34	22.44	22.49		
1.4	64QAM	1	5	22.29	22.53	22.48		
1.4	64QAM	3	0	22.59	22.55	22.35		
1.4	64QAM	3	1	22.28	22.44	22.52		
1.4	64QAM	3	3	22.15	22.57	22.38		
1.4	64QAM	6	0	21.60	21.70	21.48	22.5	3
1.4	256QAM	1	0	19.64	19.92	19.77	20.5	5
1.4	256QAM	1	3	19.59	19.69	19.71		
1.4	256QAM	1	5	19.62	19.68	19.51		
1.4	256QAM	3	0	19.64	19.83	19.89		
1.4	256QAM	3	1	19.55	19.93	19.74		
1.4	256QAM	3	3	19.63	19.75	19.68		
1.4	256QAM	6	0	19.72	19.80	19.91	20.5	5

Band 7 Other PA Ant2 ECI1

BW [MHz]	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	24.87	25.09	24.90	25.7	0
20	QPSK	1	49	24.91	24.88	24.92		
20	QPSK	1	99	24.94	24.79	24.72		
20	QPSK	50	0	23.70	24.07	23.74	24.7	1
20	QPSK	50	24	23.77	23.76	23.68		
20	QPSK	50	50	23.79	23.71	24.02		
20	QPSK	100	0	23.93	24.08	23.89		
20	16QAM	1	0	24.03	23.92	23.96	24.7	1
20	16QAM	1	49	23.77	23.92	23.91		
20	16QAM	1	99	23.82	24.00	23.84		
20	16QAM	50	0	22.81	22.86	22.87	23.7	2
20	16QAM	50	24	22.70	22.98	22.86		
20	16QAM	50	50	22.65	22.76	22.81		
20	16QAM	100	0	22.82	22.72	22.71		
20	64QAM	1	0	22.94	23.08	22.89	23.7	2
20	64QAM	1	49	22.63	22.76	22.78		
20	64QAM	1	99	22.76	22.78	22.75		
20	64QAM	50	0	21.94	21.93	21.89	22.7	3
20	64QAM	50	24	21.69	21.92	21.68		
20	64QAM	50	50	21.85	21.90	21.72		
20	64QAM	100	0	21.81	21.97	21.62		
20	256QAM	1	0	20.09	20.25	20.15	20.7	5
20	256QAM	1	49	19.82	19.91	20.13		
20	256QAM	1	99	19.85	19.98	19.87		
20	256QAM	50	0	19.99	20.18	20.22	20.7	5
20	256QAM	50	24	19.83	20.24	20.03		
20	256QAM	50	50	19.81	19.95	20.11		
20	256QAM	100	0	19.94	20.22	20.06		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.96	24.84	24.77	25.7	0
15	QPSK	1	37	24.94	24.82	24.85		
15	QPSK	1	74	24.74	24.79	24.75		
15	QPSK	36	0	23.68	23.98	23.78	24.7	1
15	QPSK	36	20	23.84	23.70	23.80		
15	QPSK	36	39	23.60	23.63	23.97		
15	QPSK	75	0	23.99	23.98	23.83		
15	16QAM	1	0	23.86	23.98	23.88	24.7	1
15	16QAM	1	37	23.83	23.85	23.81		
15	16QAM	1	74	23.84	23.87	23.79		
15	16QAM	36	0	22.74	22.82	22.76	23.7	2
15	16QAM	36	20	22.77	22.94	22.74		
15	16QAM	36	39	22.70	22.78	22.75		
15	16QAM	75	0	22.65	22.70	22.79		
15	64QAM	1	0	22.74	22.84	22.67	23.7	2
15	64QAM	1	37	22.46	22.61	22.73		
15	64QAM	1	74	22.50	22.69	22.80		
15	64QAM	36	0	21.90	21.85	21.80	22.7	3
15	64QAM	36	20	21.53	21.91	21.50		
15	64QAM	36	39	21.78	21.79	21.56		
15	64QAM	75	0	21.66	21.82	21.54		
15	256QAM	1	0	19.95	20.05	19.99	20.7	5
15	256QAM	1	37	19.70	19.96	19.90		
15	256QAM	1	74	19.95	19.87	19.74		
15	256QAM	36	0	20.02	20.06	20.07	20.7	5
15	256QAM	36	20	19.65	20.15	19.86		
15	256QAM	36	39	19.93	19.85	19.93		
15	256QAM	75	0	19.98	20.10	20.09		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.84	24.95	24.94	25.7	0
10	QPSK	1	25	24.83	24.83	24.82		
10	QPSK	1	49	24.90	24.83	24.68		
10	QPSK	25	0	23.63	23.83	23.73	24.7	1
10	QPSK	25	12	23.83	23.61	23.58		
10	QPSK	25	25	23.57	23.65	23.83		
10	QPSK	50	0	23.96	23.91	23.85		
10	16QAM	1	0	23.94	23.99	23.85	24.7	1
10	16QAM	1	25	23.86	24.01	23.80		
10	16QAM	1	49	23.88	23.75	23.77		
10	16QAM	25	0	22.94	22.91	22.80	23.7	2
10	16QAM	25	12	22.71	22.88	22.81		
10	16QAM	25	25	22.68	22.81	22.68		
10	16QAM	50	0	22.69	22.81	22.69		
10	64QAM	1	0	22.72	22.87	22.71	23.7	2
10	64QAM	1	25	22.48	22.72	22.90		
10	64QAM	1	49	22.60	22.69	22.68		
10	64QAM	25	0	21.85	21.93	21.67	22.7	3
10	64QAM	25	12	21.58	21.92	21.58		
10	64QAM	25	25	21.87	21.96	21.58		
10	64QAM	50	0	21.80	21.76	21.72		
10	256QAM	1	0	19.84	20.14	20.07	20.7	5
10	256QAM	1	25	19.66	19.87	19.99		
10	256QAM	1	49	19.80	19.92	19.80		
10	256QAM	25	0	19.96	20.17	19.98	20.7	5
10	256QAM	25	12	19.74	20.00	19.88		
10	256QAM	25	25	19.72	19.83	20.13		
10	256QAM	50	0	19.94	20.15	20.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.91	24.87	24.84	25.7	0
5	QPSK	1	12	24.73	25.04	24.86		
5	QPSK	1	24	24.78	24.72	24.73		
5	QPSK	12	0	23.61	24.00	23.73	24.7	1
5	QPSK	12	7	23.83	23.74	23.62		
5	QPSK	12	13	23.52	23.72	23.76		
5	QPSK	25	0	23.86	23.97	23.91		
5	16QAM	1	0	23.79	24.04	23.80	24.7	1
5	16QAM	1	12	23.87	24.06	23.78		
5	16QAM	1	24	23.84	23.82	23.72		
5	16QAM	12	0	22.90	22.78	22.93	23.7	2
5	16QAM	12	7	22.62	22.78	22.83		
5	16QAM	12	13	22.59	22.70	22.60		
5	16QAM	25	0	22.67	22.69	22.62		
5	64QAM	1	0	22.83	22.95	22.69	23.7	2
5	64QAM	1	12	22.64	22.66	22.86		
5	64QAM	1	24	22.49	22.91	22.79		
5	64QAM	12	0	21.89	21.94	21.73	22.7	3
5	64QAM	12	7	21.67	21.85	21.50		
5	64QAM	12	13	21.68	21.88	21.67		
5	64QAM	25	0	21.74	21.80	21.60		
5	256QAM	1	0	19.91	20.09	19.92	20.7	5
5	256QAM	1	12	19.74	20.01	19.99		
5	256QAM	1	24	19.98	19.91	19.74		
5	256QAM	12	0	19.91	20.20	20.19	20.7	5
5	256QAM	12	7	19.74	20.09	19.76		
5	256QAM	12	13	19.89	19.85	20.06		
5	256QAM	25	0	19.82	20.08	20.04		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	25.08	25.22	25.20	25.7	0
20	QPSK	1	49	25.11	25.09	25.01		
20	QPSK	1	99	24.94	25.10	24.82		
20	QPSK	50	0	23.73	24.20	23.98	24.7	1
20	QPSK	50	24	24.12	23.80	23.96		
20	QPSK	50	50	23.81	23.97	24.10		
20	QPSK	100	0	24.15	24.21	24.16		
20	16QAM	1	0	24.02	24.17	24.13	24.7	1
20	16QAM	1	49	23.98	24.25	23.98		
20	16QAM	1	99	24.01	23.96	23.97		
20	16QAM	50	0	22.97	23.23	23.06	23.7	2
20	16QAM	50	24	22.78	23.03	22.88		
20	16QAM	50	50	22.83	23.00	22.83		
20	16QAM	100	0	23.00	22.83	23.00		
20	64QAM	1	0	22.93	23.12	22.92	23.7	2
20	64QAM	1	49	22.76	23.01	23.05		
20	64QAM	1	99	22.93	22.96	23.05		
20	64QAM	50	0	22.03	22.07	21.95	22.7	3
20	64QAM	50	24	21.73	22.15	21.84		
20	64QAM	50	50	21.95	22.12	21.85		
20	64QAM	100	0	21.91	22.05	21.76		
20	256QAM	1	0	20.19	20.36	20.20	20.7	5
20	256QAM	1	49	19.96	20.03	20.17		
20	256QAM	1	99	20.16	20.17	20.12		
20	256QAM	50	0	20.22	20.33	20.33	20.7	5
20	256QAM	50	24	19.98	20.23	20.11		
20	256QAM	50	50	20.11	20.14	20.34		
20	256QAM	100	0	20.06	20.16	20.17		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	25.06	25.06	25.08	25.7	0
15	QPSK	1	37	24.99	24.94	25.05		
15	QPSK	1	74	25.01	24.86	24.75		
15	QPSK	36	0	23.82	24.12	23.82	24.7	1
15	QPSK	36	20	23.96	23.84	23.82		
15	QPSK	36	39	23.78	23.78	24.00		
15	QPSK	75	0	23.94	24.06	24.04		
15	16QAM	1	0	24.01	24.02	24.09	24.7	1
15	16QAM	1	37	23.88	24.16	24.02		
15	16QAM	1	74	23.95	23.92	23.92		
15	16QAM	36	0	22.90	22.95	22.93	23.7	2
15	16QAM	36	20	22.84	22.89	22.97		
15	16QAM	36	39	22.88	22.87	22.71		
15	16QAM	75	0	22.76	22.78	22.92		
15	64QAM	1	0	23.00	22.92	23.01	23.7	2
15	64QAM	1	37	22.67	22.89	22.82		
15	64QAM	1	74	22.69	22.89	22.88		
15	64QAM	36	0	21.98	22.11	21.81	22.7	3
15	64QAM	36	20	21.75	21.92	21.68		
15	64QAM	36	39	21.94	21.91	21.75		
15	64QAM	75	0	22.03	21.96	21.79		
15	256QAM	1	0	20.04	20.14	20.03	20.7	5
15	256QAM	1	37	19.88	20.04	20.00		
15	256QAM	1	74	20.00	19.93	20.04		
15	256QAM	36	0	20.03	20.25	20.29	20.7	5
15	256QAM	36	20	19.89	20.24	20.08		
15	256QAM	36	39	19.87	20.02	20.03		
15	256QAM	75	0	20.09	20.27	20.25		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	25.01	25.05	25.03	25.7	0
10	QPSK	1	25	24.88	24.96	24.85		
10	QPSK	1	49	25.00	24.95	24.77		
10	QPSK	25	0	23.75	24.08	23.72	24.7	1
10	QPSK	25	12	23.86	23.73	23.71		
10	QPSK	25	25	23.89	23.82	23.97		
10	QPSK	50	0	23.96	24.05	24.16		
10	16QAM	1	0	24.12	24.06	24.11	24.7	1
10	16QAM	1	25	24.01	24.16	24.06		
10	16QAM	1	49	24.01	23.86	23.94		
10	16QAM	25	0	22.93	23.08	23.06	23.7	2
10	16QAM	25	12	22.70	23.01	22.84		
10	16QAM	25	25	22.73	22.76	22.83		
10	16QAM	50	0	22.71	22.89	22.82		
10	64QAM	1	0	22.90	23.14	22.88	23.7	2
10	64QAM	1	25	22.64	22.86	22.93		
10	64QAM	1	49	22.76	22.99	22.78		
10	64QAM	25	0	21.94	22.12	21.87	22.7	3
10	64QAM	25	12	21.67	21.86	21.76		
10	64QAM	25	25	21.99	21.88	21.74		
10	64QAM	50	0	21.82	21.91	21.82		
10	256QAM	1	0	20.11	20.20	20.03	20.7	5
10	256QAM	1	25	19.74	19.98	20.15		
10	256QAM	1	49	20.07	20.14	20.03		
10	256QAM	25	0	20.04	20.32	20.26	20.7	5
10	256QAM	25	12	19.82	20.26	20.12		
10	256QAM	25	25	19.95	20.06	20.05		
10	256QAM	50	0	20.13	20.30	20.07		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.97	25.07	25.05	25.7	0
5	QPSK	1	12	24.87	25.03	24.89		
5	QPSK	1	24	24.92	24.97	24.73		
5	QPSK	12	0	23.66	24.10	23.82	24.7	1
5	QPSK	12	7	23.94	23.89	23.90		
5	QPSK	12	13	23.88	23.75	23.89		
5	QPSK	25	0	23.99	24.23	24.10		
5	16QAM	1	0	23.95	24.13	23.95	24.7	1
5	16QAM	1	12	23.88	24.08	23.85		
5	16QAM	1	24	23.94	23.93	23.83		
5	16QAM	12	0	23.06	22.94	22.95	23.7	2
5	16QAM	12	7	22.74	22.94	22.84		
5	16QAM	12	13	22.66	22.91	22.83		
5	16QAM	25	0	22.83	22.80	22.71		
5	64QAM	1	0	22.97	23.05	22.88	23.7	2
5	64QAM	1	12	22.80	22.73	22.99		
5	64QAM	1	24	22.63	23.04	22.85		
5	64QAM	12	0	22.03	22.01	21.78	22.7	3
5	64QAM	12	7	21.66	21.96	21.68		
5	64QAM	12	13	21.92	21.94	21.82		
5	64QAM	25	0	21.82	21.91	21.86		
5	256QAM	1	0	20.07	20.18	20.08	20.7	5
5	256QAM	1	12	19.79	19.97	20.01		
5	256QAM	1	24	20.05	20.05	19.94		
5	256QAM	12	0	20.18	20.25	20.12	20.7	5
5	256QAM	12	7	19.80	20.12	20.00		
5	256QAM	12	13	20.03	19.96	20.03		
5	256QAM	25	0	20.03	20.11	20.26		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.08	25.13	25.17	25.12	25.05	25.7	0
20	QPSK	1	49	25.08	25.03	25.00	24.95	24.93		
20	QPSK	1	99	24.97	25.08	25.09	25.11	24.87		
20	QPSK	50	0	24.15	24.01	24.16	24.05	24.10	24.7	1
20	QPSK	50	24	24.14	23.82	23.95	23.87	23.95		
20	QPSK	50	50	24.12	24.06	24.09	24.01	23.99		
20	QPSK	100	0	24.02	24.11	24.13	24.01	23.97		
20	16QAM	1	0	23.91	24.03	24.12	23.85	23.82	24.7	1
20	16QAM	1	49	23.90	23.92	23.94	24.00	23.84		
20	16QAM	1	99	24.02	23.93	23.97	24.01	23.88		
20	16QAM	50	0	23.05	23.10	23.13	23.03	23.02	23.7	2
20	16QAM	50	24	22.96	22.89	23.11	22.90	22.91		
20	16QAM	50	50	22.82	22.92	22.97	22.92	22.97		
20	16QAM	100	0	22.81	22.91	22.96	22.89	22.91		
20	64QAM	1	0	23.10	23.11	23.14	23.09	23.06	23.7	2
20	64QAM	1	49	22.86	23.06	23.07	22.86	22.89		
20	64QAM	1	99	22.99	23.03	23.13	23.00	22.90		
20	64QAM	50	0	22.17	22.08	22.15	22.05	22.03	22.7	3
20	64QAM	50	24	22.16	21.98	21.95	22.01	21.99		
20	64QAM	50	50	22.03	22.00	21.97	21.87	21.82		
20	64QAM	100	0	21.85	21.82	21.95	21.85	21.80		
20	256QAM	1	0	20.12	20.16	20.18	20.20	20.08	20.7	5
20	256QAM	1	49	20.01	20.05	19.97	20.07	20.06		
20	256QAM	1	99	19.96	19.95	20.13	20.04	19.92		
20	256QAM	50	0	20.09	20.02	20.21	20.15	20.12	20.7	5
20	256QAM	50	24	19.96	19.86	20.04	20.00	19.92		
20	256QAM	50	50	19.96	19.86	20.11	20.07	20.12		
20	256QAM	100	0	19.87	19.84	20.15	20.06	20.03		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.90	25.12	24.95	24.97	24.83	26	0
15	QPSK	1	37	24.98	24.95	24.79	24.87	24.74		
15	QPSK	1	74	24.84	24.90	24.97	24.93	24.75		
15	QPSK	36	0	24.01	23.80	24.12	23.93	23.90	24.7	1
15	QPSK	36	20	24.05	23.80	23.88	23.73	23.81		
15	QPSK	36	39	23.94	23.84	24.01	23.95	23.96		
15	QPSK	75	0	23.81	23.91	24.02	23.95	23.86		
15	16QAM	1	0	23.91	23.99	23.88	23.75	23.77	24.7	1
15	16QAM	1	37	23.75	23.86	23.80	24.00	23.69		
15	16QAM	1	74	23.80	23.69	23.86	23.82	23.70		
15	16QAM	36	0	22.84	23.09	23.01	22.98	22.86	23.7	2
15	16QAM	36	20	22.74	22.86	23.10	22.84	22.70		
15	16QAM	36	39	22.76	22.82	22.95	22.68	22.78		
15	16QAM	75	0	22.62	22.78	22.85	22.88	22.79		
15	64QAM	1	0	22.96	23.05	23.01	23.07	23.04	23.7	2
15	64QAM	1	37	22.68	22.92	22.98	22.84	22.78		
15	64QAM	1	74	22.80	23.02	22.92	22.98	22.77		
15	64QAM	36	0	22.00	22.08	22.10	21.86	21.98	22.7	3
15	64QAM	36	20	21.92	21.91	21.82	21.94	21.85		
15	64QAM	36	39	21.95	21.95	21.93	21.77	21.68		
15	64QAM	75	0	21.73	21.80	21.77	21.79	21.75		
15	256QAM	1	0	20.08	20.07	19.99	20.07	20.01	20.7	5
15	256QAM	1	37	19.87	19.88	19.85	19.87	20.01		
15	256QAM	1	74	19.75	19.91	20.03	19.85	19.69		
15	256QAM	36	0	19.88	19.86	20.15	19.99	19.88	20.7	5
15	256QAM	36	20	19.73	19.67	19.99	19.93	19.75		
15	256QAM	36	39	19.86	19.74	19.98	19.87	20.03		
15	256QAM	75	0	19.64	19.80	20.02	20.02	20.02		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.02	25.06	25.07	25.10	24.91	26	0
10	QPSK	1	25	25.04	24.81	24.97	24.77	24.72		
10	QPSK	1	49	24.91	24.91	24.99	25.06	24.75		
10	QPSK	25	0	23.92	23.89	24.02	23.95	23.88	24.7	1
10	QPSK	25	12	23.93	23.81	23.78	23.65	23.84		
10	QPSK	25	25	24.01	23.83	24.07	23.98	23.82		
10	QPSK	50	0	23.82	23.99	24.03	24.01	23.92		
10	16QAM	1	0	23.73	23.80	24.12	23.64	23.73	24.7	1
10	16QAM	1	25	23.69	23.74	23.82	23.95	23.66		
10	16QAM	1	49	23.94	23.91	23.85	23.87	23.72		
10	16QAM	25	0	22.82	22.99	22.98	22.91	22.87	23.7	2
10	16QAM	25	12	22.86	22.88	23.04	22.74	22.87		
10	16QAM	25	25	22.81	22.87	22.77	22.75	22.83		
10	16QAM	50	0	22.79	22.82	22.95	22.76	22.88		
10	64QAM	1	0	22.91	22.94	23.09	22.90	22.97	23.7	2
10	64QAM	1	25	22.70	22.92	23.06	22.78	22.66		
10	64QAM	1	49	22.91	22.89	22.90	22.82	22.77		
10	64QAM	25	0	22.10	21.97	22.09	21.91	21.99	22.7	3
10	64QAM	25	12	22.04	21.95	21.87	21.98	21.85		
10	64QAM	25	25	21.82	21.80	21.77	21.65	21.74		
10	64QAM	50	0	21.80	21.78	21.76	21.85	21.57		
10	256QAM	1	0	20.09	20.03	20.15	20.05	19.92	20.7	5
10	256QAM	1	25	19.95	19.98	19.80	20.07	19.86		
10	256QAM	1	49	19.80	19.89	20.01	20.03	19.73		
10	256QAM	25	0	20.06	20.01	20.10	20.10	19.89	20.7	5
10	256QAM	25	12	19.86	19.63	19.81	19.77	19.69		
10	256QAM	25	25	19.81	19.72	20.08	19.86	19.97		
10	256QAM	50	0	19.87	19.80	20.08	20.01	19.90		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.99	24.92	25.01	24.88	24.98	26	0
5	QPSK	1	12	25.03	24.79	24.83	24.90	24.76		
5	QPSK	1	24	24.93	25.07	25.06	24.96	24.82		
5	QPSK	12	0	23.93	23.89	24.08	23.90	24.08	24.7	1
5	QPSK	12	7	23.90	23.66	23.91	23.69	23.88		
5	QPSK	12	13	23.97	23.89	23.92	23.97	23.90		
5	QPSK	25	0	23.83	24.07	23.96	23.87	23.77		
5	16QAM	1	0	23.84	24.03	23.94	23.79	23.65	24.7	1
5	16QAM	1	12	23.79	23.79	23.93	23.93	23.70		
5	16QAM	1	24	23.84	23.81	23.81	23.84	23.85		
5	16QAM	12	0	23.00	22.94	22.92	22.98	22.89	23.7	2
5	16QAM	12	7	22.74	22.66	22.87	22.79	22.82		
5	16QAM	12	13	22.61	22.71	22.91	22.73	22.76		
5	16QAM	25	0	22.67	22.82	22.79	22.80	22.78		
5	64QAM	1	0	22.90	22.98	23.05	22.90	22.94	23.7	2
5	64QAM	1	12	22.79	23.03	22.93	22.83	22.89		
5	64QAM	1	24	22.90	23.02	23.03	22.88	22.71		
5	64QAM	12	0	22.13	22.03	22.04	21.87	21.96	22.7	3
5	64QAM	12	7	21.97	21.96	21.78	21.88	21.94		
5	64QAM	12	13	21.98	21.86	21.78	21.86	21.75		
5	64QAM	25	0	21.67	21.81	21.83	21.73	21.70		
5	256QAM	1	0	20.02	20.02	20.16	20.14	19.99	20.7	5
5	256QAM	1	12	19.89	19.86	19.97	20.06	19.88		
5	256QAM	1	24	19.88	19.73	19.90	20.01	19.88		
5	256QAM	12	0	19.86	19.82	20.04	19.94	19.96	20.7	5
5	256QAM	12	7	19.96	19.64	19.92	19.94	19.83		
5	256QAM	12	13	19.79	19.71	19.89	19.86	20.10		
5	256QAM	25	0	19.76	19.75	20.05	20.04	19.80		

Band 2 Other PA Ant4 ECI1

BW [MHz]	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	19.54	19.82	19.67	20.7	0
20	QPSK	1	49	19.51	19.68	19.56		
20	QPSK	1	99	19.61	19.76	19.64		
20	QPSK	50	0	19.58	19.79	19.66	20.7	0
20	QPSK	50	24	19.58	19.75	19.63		
20	QPSK	50	50	19.49	19.71	19.66		
20	QPSK	100	0	19.50	19.78	19.66		
20	16QAM	1	0	19.52	19.72	19.67	20.7	0
20	16QAM	1	49	19.56	19.77	19.60		
20	16QAM	1	99	19.50	19.78	19.59		
20	16QAM	50	0	19.51	19.74	19.56	20.7	0
20	16QAM	50	24	19.57	19.77	19.64		
20	16QAM	50	50	19.51	19.81	19.64		
20	16QAM	100	0	19.48	19.81	19.60		
20	64QAM	1	0	19.60	19.73	19.66	20.7	0
20	64QAM	1	49	19.57	19.70	19.63		
20	64QAM	1	99	19.56	19.73	19.59		
20	64QAM	50	0	19.57	19.70	19.56	20.7	0
20	64QAM	50	24	19.56	19.75	19.65		
20	64QAM	50	50	19.50	19.72	19.64		
20	64QAM	100	0	19.61	19.76	19.65		
20	256QAM	1	0	19.51	19.77	19.57	20.7	0
20	256QAM	1	49	19.58	19.69	19.68		
20	256QAM	1	99	19.50	19.79	19.56		
20	256QAM	50	0	19.61	19.78	19.58	20.7	0
20	256QAM	50	24	19.56	19.81	19.54		
20	256QAM	50	50	19.50	19.74	19.62		
20	256QAM	100	0	19.58	19.74	19.61		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.42	19.69	19.47	20.7	0
15	QPSK	1	37	19.39	19.69	19.48		
15	QPSK	1	74	19.44	19.59	19.50		
15	QPSK	36	0	19.43	19.66	19.46	20.7	0
15	QPSK	36	20	19.39	19.64	19.56		
15	QPSK	36	39	19.43	19.64	19.50		
15	QPSK	75	0	19.40	19.69	19.47		
15	16QAM	1	0	19.46	19.63	19.51	20.7	0
15	16QAM	1	37	19.41	19.69	19.55		
15	16QAM	1	74	19.39	19.65	19.48		
15	16QAM	36	0	19.45	19.65	19.56	20.7	0
15	16QAM	36	20	19.48	19.64	19.56		
15	16QAM	36	39	19.42	19.58	19.56		
15	16QAM	75	0	19.48	19.63	19.54		
15	64QAM	1	0	19.39	19.62	19.54	20.7	0
15	64QAM	1	37	19.52	19.62	19.51		
15	64QAM	1	74	19.38	19.69	19.52		
15	64QAM	36	0	19.50	19.65	19.47	20.7	0
15	64QAM	36	20	19.41	19.71	19.56		
15	64QAM	36	39	19.47	19.70	19.58		
15	64QAM	75	0	19.50	19.68	19.58		
15	256QAM	1	0	19.46	19.64	19.48	20.7	0
15	256QAM	1	37	19.40	19.60	19.57		
15	256QAM	1	74	19.52	19.66	19.53		
15	256QAM	36	0	19.47	19.63	19.49	20.7	0
15	256QAM	36	20	19.48	19.66	19.47		
15	256QAM	36	39	19.38	19.61	19.54		
15	256QAM	75	0	19.38	19.66	19.54		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.52	19.67	19.49	20.7	0
10	QPSK	1	25	19.47	19.71	19.53		
10	QPSK	1	49	19.50	19.70	19.56		
10	QPSK	25	0	19.42	19.58	19.47	20.7	0
10	QPSK	25	12	19.47	19.69	19.53		
10	QPSK	25	25	19.41	19.70	19.51		
10	QPSK	50	0	19.43	19.66	19.52		
10	16QAM	1	0	19.43	19.67	19.45	20.7	0
10	16QAM	1	25	19.38	19.68	19.58		
10	16QAM	1	49	19.39	19.69	19.50		
10	16QAM	25	0	19.47	19.72	19.47	20.7	0
10	16QAM	25	12	19.41	19.65	19.55		
10	16QAM	25	25	19.38	19.69	19.45		
10	16QAM	50	0	19.41	19.65	19.51		
10	64QAM	1	0	19.39	19.58	19.57	20.7	0
10	64QAM	1	25	19.39	19.66	19.52		
10	64QAM	1	49	19.42	19.64	19.55		
10	64QAM	25	0	19.46	19.65	19.51	20.7	0
10	64QAM	25	12	19.51	19.69	19.53		
10	64QAM	25	25	19.46	19.66	19.46		
10	64QAM	50	0	19.49	19.62	19.53		
10	256QAM	1	0	19.50	19.61	19.46	20.7	0
10	256QAM	1	25	19.51	19.65	19.48		
10	256QAM	1	49	19.49	19.66	19.45		
10	256QAM	25	0	19.49	19.67	19.48	20.7	0
10	256QAM	25	12	19.43	19.60	19.48		
10	256QAM	25	25	19.40	19.68	19.56		
10	256QAM	50	0	19.48	19.63	19.44		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.38	19.66	19.49	20.7	0
5	QPSK	1	12	19.50	19.70	19.54		
5	QPSK	1	24	19.49	19.63	19.48		
5	QPSK	12	0	19.42	19.66	19.52	20.7	0
5	QPSK	12	7	19.46	19.60	19.45		
5	QPSK	12	13	19.48	19.62	19.46		
5	QPSK	25	0	19.44	19.70	19.45		
5	16QAM	1	0	19.52	19.63	19.47	20.7	0
5	16QAM	1	12	19.43	19.71	19.58		
5	16QAM	1	24	19.46	19.65	19.54		
5	16QAM	12	0	19.46	19.70	19.53	20.7	0
5	16QAM	12	7	19.44	19.59	19.52		
5	16QAM	12	13	19.48	19.69	19.56		
5	16QAM	25	0	19.47	19.67	19.49		
5	64QAM	1	0	19.44	19.62	19.47	20.7	0
5	64QAM	1	12	19.44	19.63	19.57		
5	64QAM	1	24	19.48	19.61	19.53		
5	64QAM	12	0	19.43	19.63	19.54	20.7	0
5	64QAM	12	7	19.42	19.67	19.53		
5	64QAM	12	13	19.48	19.64	19.48		
5	64QAM	25	0	19.44	19.70	19.56		
5	256QAM	1	0	19.47	19.62	19.46	20.7	0
5	256QAM	1	12	19.48	19.64	19.46		
5	256QAM	1	24	19.51	19.65	19.52		
5	256QAM	12	0	19.40	19.63	19.58	20.7	0
5	256QAM	12	7	19.40	19.71	19.49		
5	256QAM	12	13	19.47	19.60	19.54		
5	256QAM	25	0	19.49	19.70	19.45		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.45	19.71	19.45	20.7	0
3	QPSK	1	8	19.51	19.65	19.56		
3	QPSK	1	14	19.45	19.61	19.48		
3	QPSK	8	0	19.42	19.61	19.47	20.7	0
3	QPSK	8	4	19.48	19.64	19.51		
3	QPSK	8	7	19.44	19.65	19.54		
3	QPSK	15	0	19.44	19.64	19.51		
3	16QAM	1	0	19.42	19.69	19.56	20.7	0
3	16QAM	1	8	19.43	19.58	19.57		
3	16QAM	1	14	19.40	19.63	19.55		
3	16QAM	8	0	19.45	19.69	19.58	20.7	0
3	16QAM	8	4	19.46	19.69	19.56		
3	16QAM	8	7	19.50	19.68	19.51		
3	16QAM	15	0	19.41	19.67	19.55		
3	64QAM	1	0	19.38	19.72	19.44	20.7	0
3	64QAM	1	8	19.51	19.61	19.44		
3	64QAM	1	14	19.46	19.62	19.55		
3	64QAM	8	0	19.50	19.69	19.57	20.7	0
3	64QAM	8	4	19.43	19.60	19.46		
3	64QAM	8	7	19.41	19.62	19.51		
3	64QAM	15	0	19.44	19.60	19.57		
3	256QAM	1	0	19.41	19.67	19.45	20.7	0
3	256QAM	1	8	19.46	19.69	19.48		
3	256QAM	1	14	19.40	19.60	19.46		
3	256QAM	8	0	19.41	19.69	19.44	20.7	0
3	256QAM	8	4	19.46	19.60	19.51		
3	256QAM	8	7	19.51	19.67	19.51		
3	256QAM	15	0	19.47	19.67	19.45		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.50	19.64	19.46	20.7	0
1.4	QPSK	1	3	19.40	19.69	19.57		
1.4	QPSK	1	5	19.51	19.66	19.58		
1.4	QPSK	3	0	19.41	19.61	19.51		
1.4	QPSK	3	1	19.45	19.61	19.55		
1.4	QPSK	3	3	19.52	19.59	19.56		
1.4	QPSK	6	0	19.42	19.69	19.58	20.7	0
1.4	16QAM	1	0	19.52	19.59	19.53	20.7	0
1.4	16QAM	1	3	19.49	19.64	19.50		
1.4	16QAM	1	5	19.46	19.71	19.48		
1.4	16QAM	3	0	19.40	19.72	19.50		
1.4	16QAM	3	1	19.48	19.66	19.53		
1.4	16QAM	3	3	19.43	19.61	19.58		
1.4	16QAM	6	0	19.40	19.64	19.45	20.7	0
1.4	64QAM	1	0	19.42	19.72	19.53	20.7	0
1.4	64QAM	1	3	19.42	19.69	19.47		
1.4	64QAM	1	5	19.50	19.61	19.53		
1.4	64QAM	3	0	19.46	19.62	19.44		
1.4	64QAM	3	1	19.46	19.65	19.55		
1.4	64QAM	3	3	19.44	19.61	19.56		
1.4	64QAM	6	0	19.42	19.65	19.47	20.7	0
1.4	256QAM	1	0	19.48	19.69	19.53	20.7	0
1.4	256QAM	1	3	19.40	19.59	19.50		
1.4	256QAM	1	5	19.50	19.69	19.54		
1.4	256QAM	3	0	19.41	19.60	19.51		
1.4	256QAM	3	1	19.45	19.69	19.57		
1.4	256QAM	3	3	19.41	19.62	19.47		
1.4	256QAM	6	0	19.49	19.60	19.53	20.7	0

Band 7 Other PA Ant4 ECI1

BW [MHz]	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	21.44	21.60	21.45	22.2	0
20	QPSK	1	49	21.47	21.38	21.45		
20	QPSK	1	99	21.48	21.45	21.20		
20	QPSK	50	0	21.37	21.57	21.37	22.2	0
20	QPSK	50	24	21.45	21.51	21.34		
20	QPSK	50	50	21.36	21.35	21.34		
20	QPSK	100	0	21.48	21.50	21.42		
20	16QAM	1	0	21.36	21.45	21.37	22.2	0
20	16QAM	1	49	21.42	21.36	21.25		
20	16QAM	1	99	21.36	21.41	21.33		
20	16QAM	50	0	21.45	21.50	21.37	22.2	0
20	16QAM	50	24	21.46	21.40	21.33		
20	16QAM	50	50	21.44	21.39	21.34		
20	16QAM	100	0	21.40	21.52	21.37		
20	64QAM	1	0	21.39	21.47	21.32	22.2	0
20	64QAM	1	49	21.40	21.56	21.43		
20	64QAM	1	99	21.45	21.44	21.32		
20	64QAM	50	0	20.32	20.43	20.42	22.2	0
20	64QAM	50	24	20.47	20.59	20.35		
20	64QAM	50	50	20.47	20.45	20.39		
20	64QAM	100	0	20.32	20.50	20.40		
20	256QAM	1	0	19.85	19.91	19.77	20.7	1.5
20	256QAM	1	49	19.73	19.86	19.67		
20	256QAM	1	99	19.88	19.92	19.84		
20	256QAM	50	0	19.77	19.82	19.79	20.7	1.5
20	256QAM	50	24	19.87	19.87	19.74		
20	256QAM	50	50	19.93	19.91	19.75		
20	256QAM	100	0	19.83	19.87	19.76		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.35	21.43	21.30	22.2	0
15	QPSK	1	37	21.39	21.32	21.27		
15	QPSK	1	74	21.36	21.40	21.11		
15	QPSK	36	0	21.21	21.41	21.31	22.2	0
15	QPSK	36	20	21.42	21.42	21.23		
15	QPSK	36	39	21.25	21.29	21.22		
15	QPSK	75	0	21.39	21.41	21.36		
15	16QAM	1	0	21.21	21.34	21.25	22.2	0
15	16QAM	1	37	21.29	21.21	21.16		
15	16QAM	1	74	21.26	21.38	21.17		
15	16QAM	36	0	21.30	21.47	21.24	22.2	0
15	16QAM	36	20	21.32	21.37	21.25		
15	16QAM	36	39	21.29	21.30	21.21		
15	16QAM	75	0	21.25	21.40	21.21		
15	64QAM	1	0	21.23	21.30	21.28	22.2	0
15	64QAM	1	37	21.36	21.56	21.39		
15	64QAM	1	74	21.30	21.39	21.27		
15	64QAM	36	0	20.21	20.38	20.27	22.2	0
15	64QAM	36	20	20.32	20.51	20.22		
15	64QAM	36	39	20.31	20.28	20.27		
15	64QAM	75	0	20.26	20.44	20.24		
15	256QAM	1	0	19.77	19.76	19.63	20.7	1.5
15	256QAM	1	37	19.64	19.74	19.55		
15	256QAM	1	74	19.84	19.78	19.76		
15	256QAM	36	0	19.69	19.66	19.68	20.7	1.5
15	256QAM	36	20	19.72	19.73	19.64		
15	256QAM	36	39	19.76	19.85	19.59		
15	256QAM	75	0	19.73	19.80	19.64		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.40	21.44	21.36	22.2	0
10	QPSK	1	25	21.30	21.29	21.28		
10	QPSK	1	49	21.45	21.31	21.17		
10	QPSK	25	0	21.34	21.44	21.20	22.2	0
10	QPSK	25	12	21.31	21.41	21.19		
10	QPSK	25	25	21.25	21.19	21.30		
10	QPSK	50	0	21.41	21.43	21.25		
10	16QAM	1	0	21.19	21.40	21.28	22.2	0
10	16QAM	1	25	21.28	21.19	21.13		
10	16QAM	1	49	21.25	21.34	21.26		
10	16QAM	25	0	21.40	21.42	21.33	22.2	0
10	16QAM	25	12	21.34	21.26	21.18		
10	16QAM	25	25	21.39	21.32	21.21		
10	16QAM	50	0	21.26	21.39	21.27		
10	64QAM	1	0	21.24	21.30	21.24	22.2	0
10	64QAM	1	25	21.26	21.55	21.29		
10	64QAM	1	49	21.36	21.28	21.28		
10	64QAM	25	0	20.26	20.34	20.36	22.2	0
10	64QAM	25	12	20.42	20.49	20.21		
10	64QAM	25	25	20.35	20.34	20.25		
10	64QAM	50	0	20.24	20.34	20.28		
10	256QAM	1	0	19.77	19.76	19.62	20.7	1.5
10	256QAM	1	25	19.61	19.71	19.54		
10	256QAM	1	49	19.76	19.87	19.78	20.7	1.5
10	256QAM	25	0	19.71	19.68	19.71		
10	256QAM	25	12	19.84	19.75	19.60		
10	256QAM	25	25	19.89	19.78	19.67		
10	256QAM	50	0	19.69	19.82	19.66		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.38	21.55	21.30	22.2	0
5	QPSK	1	12	21.30	21.35	21.32		
5	QPSK	1	24	21.43	21.41	21.05		
5	QPSK	12	0	21.22	21.41	21.20	22.2	0
5	QPSK	12	7	21.40	21.40	21.24		
5	QPSK	12	13	21.24	21.20	21.26		
5	QPSK	25	0	21.35	21.40	21.38		
5	16QAM	1	0	21.25	21.39	21.34	22.2	0
5	16QAM	1	12	21.29	21.25	21.13		
5	16QAM	1	24	21.19	21.29	21.17		
5	16QAM	12	0	21.29	21.43	21.30	22.2	0
5	16QAM	12	7	21.41	21.33	21.18		
5	16QAM	12	13	21.40	21.26	21.19		
5	16QAM	25	0	21.32	21.44	21.26		
5	64QAM	1	0	21.31	21.33	21.24	22.2	0
5	64QAM	1	12	21.35	21.50	21.30		
5	64QAM	1	24	21.41	21.31	21.25		
5	64QAM	12	0	20.29	20.34	20.26	22.2	0
5	64QAM	12	7	20.30	20.48	20.29		
5	64QAM	12	13	20.32	20.29	20.29		
5	64QAM	25	0	20.24	20.43	20.34		
5	256QAM	1	0	19.72	19.86	19.64	20.7	1.5
5	256QAM	1	12	19.64	19.78	19.53		
5	256QAM	1	24	19.75	19.88	19.80		
5	256QAM	12	0	19.71	19.77	19.73	20.7	1.5
5	256QAM	12	7	19.76	19.78	19.62		
5	256QAM	12	13	19.90	19.78	19.66		
5	256QAM	25	0	19.70	19.79	19.71		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.43	21.56	21.48	22.2	0
20	QPSK	1	49	21.40	21.44	21.35		
20	QPSK	1	99	21.35	21.46	21.37		
20	QPSK	50	0	21.33	21.54	21.46	22.2	0
20	QPSK	50	24	21.41	21.53	21.42		
20	QPSK	50	50	21.35	21.43	21.42		
20	QPSK	100	0	21.38	21.52	21.45		
20	16QAM	1	0	21.44	21.52	21.39	22.2	0
20	16QAM	1	49	21.31	21.52	21.39		
20	16QAM	1	99	21.43	21.52	21.39		
20	16QAM	50	0	21.34	21.42	21.36	22.2	0
20	16QAM	50	24	21.30	21.54	21.40		
20	16QAM	50	50	21.41	21.49	21.41		
20	16QAM	100	0	21.39	21.51	21.32		
20	64QAM	1	0	21.31	21.52	21.40	22.2	0
20	64QAM	1	49	21.44	21.49	21.34		
20	64QAM	1	99	21.35	21.48	21.33		
20	64QAM	50	0	21.32	21.54	21.42	22.2	0
20	64QAM	50	24	21.31	21.54	21.34		
20	64QAM	50	50	21.36	21.50	21.43		
20	64QAM	100	0	21.32	21.49	21.39		
20	256QAM	1	0	19.85	19.96	19.82	20.7	1.5
20	256QAM	1	49	19.90	20.03	19.94		
20	256QAM	1	99	19.80	19.95	19.86		
20	256QAM	50	0	19.87	19.98	19.84	20.7	1.5
20	256QAM	50	24	19.92	20.00	19.89		
20	256QAM	50	50	19.81	20.00	19.89		
20	256QAM	100	0	19.88	20.02	19.95		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.26	21.35	21.24	22.2	0
15	QPSK	1	37	21.26	21.34	21.21		
15	QPSK	1	74	21.29	21.34	21.21		
15	QPSK	36	0	21.21	21.38	21.42	22.2	0
15	QPSK	36	20	21.36	21.49	21.25		
15	QPSK	36	39	21.25	21.26	21.26		
15	QPSK	75	0	21.33	21.43	21.32		
15	16QAM	1	0	21.29	21.36	21.32	22.2	0
15	16QAM	1	37	21.27	21.48	21.26		
15	16QAM	1	74	21.31	21.47	21.28		
15	16QAM	36	0	21.28	21.27	21.22	22.2	0
15	16QAM	36	20	21.18	21.45	21.24		
15	16QAM	36	39	21.28	21.46	21.26		
15	16QAM	75	0	21.26	21.49	21.20		
15	64QAM	1	0	21.28	21.36	21.32	22.2	0
15	64QAM	1	37	21.30	21.36	21.30		
15	64QAM	1	74	21.25	21.43	21.29		
15	64QAM	36	0	21.19	21.40	21.36	22.2	0
15	64QAM	36	20	21.23	21.39	21.29		
15	64QAM	36	39	21.31	21.41	21.37		
15	64QAM	75	0	21.23	21.42	21.28		
15	256QAM	1	0	19.71	19.81	19.78	20.7	1.5
15	256QAM	1	37	19.81	19.99	19.91		
15	256QAM	1	74	19.76	19.79	19.81		
15	256QAM	36	0	19.83	19.85	19.76	20.7	1.5
15	256QAM	36	20	19.87	19.95	19.80		
15	256QAM	36	39	19.70	19.83	19.85		
15	256QAM	75	0	19.72	19.95	19.84		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.20	21.38	21.33	22.2	0
10	QPSK	1	25	21.32	21.40	21.18		
10	QPSK	1	49	21.24	21.38	21.30		
10	QPSK	25	0	21.22	21.39	21.43	22.2	0
10	QPSK	25	12	21.36	21.41	21.27		
10	QPSK	25	25	21.30	21.27	21.31		
10	QPSK	50	0	21.34	21.39	21.41		
10	16QAM	1	0	21.30	21.36	21.31	22.2	0
10	16QAM	1	25	21.25	21.46	21.23		
10	16QAM	1	49	21.29	21.43	21.22		
10	16QAM	25	0	21.31	21.27	21.26	22.2	0
10	16QAM	25	12	21.26	21.47	21.31		
10	16QAM	25	25	21.34	21.37	21.27		
10	16QAM	50	0	21.35	21.49	21.27		
10	64QAM	1	0	21.18	21.47	21.27	22.2	0
10	64QAM	1	25	21.36	21.32	21.29		
10	64QAM	1	49	21.24	21.42	21.25		
10	64QAM	25	0	21.23	21.51	21.32	22.2	0
10	64QAM	25	12	21.17	21.44	21.23		
10	64QAM	25	25	21.33	21.39	21.36		
10	64QAM	50	0	21.16	21.44	21.22		
10	256QAM	1	0	19.76	19.80	19.73	20.7	1.5
10	256QAM	1	25	19.85	19.95	19.86		
10	256QAM	1	49	19.70	19.83	19.76		
10	256QAM	25	0	19.78	19.92	19.71	20.7	1.5
10	256QAM	25	12	19.80	19.90	19.74		
10	256QAM	25	25	19.67	19.84	19.74		
10	256QAM	50	0	19.79	19.91	19.91		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.29	21.31	21.23	22.2	0
5	QPSK	1	12	21.37	21.34	21.20		
5	QPSK	1	24	21.18	21.41	21.20		
5	QPSK	12	0	21.28	21.35	21.35	22.2	0
5	QPSK	12	7	21.29	21.50	21.26		
5	QPSK	12	13	21.30	21.38	21.32		
5	QPSK	25	0	21.25	21.38	21.39		
5	16QAM	1	0	21.40	21.38	21.25	22.2	0
5	16QAM	1	12	21.14	21.38	21.24		
5	16QAM	1	24	21.28	21.37	21.35		
5	16QAM	12	0	21.21	21.36	21.27	22.2	0
5	16QAM	12	7	21.25	21.38	21.27		
5	16QAM	12	13	21.29	21.42	21.33		
5	16QAM	25	0	21.36	21.45	21.28		
5	64QAM	1	0	21.16	21.46	21.28	22.2	0
5	64QAM	1	12	21.33	21.45	21.31		
5	64QAM	1	24	21.21	21.35	21.20		
5	64QAM	12	0	21.19	21.43	21.33	22.2	0
5	64QAM	12	7	21.23	21.50	21.28		
5	64QAM	12	13	21.23	21.42	21.32		
5	64QAM	25	0	21.21	21.43	21.32		
5	256QAM	1	0	19.73	19.93	19.75	20.7	1.5
5	256QAM	1	12	19.75	19.99	19.85		
5	256QAM	1	24	19.77	19.88	19.76		
5	256QAM	12	0	19.71	19.81	19.68	20.7	1.5
5	256QAM	12	7	19.78	19.86	19.75		
5	256QAM	12	13	19.77	19.84	19.75		
5	256QAM	25	0	19.77	19.97	19.90		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.97	21.88	22.11	21.84	21.95	22.7	0
20	QPSK	1	49	21.93	21.85	22.08	21.95	21.95		
20	QPSK	1	99	21.87	21.93	22.05	21.86	21.84		
20	QPSK	50	0	21.92	21.91	22.08	21.93	21.93	22.7	0
20	QPSK	50	24	21.89	21.89	22.00	21.94	21.82		
20	QPSK	50	50	21.96	21.91	22.02	21.98	21.83		
20	QPSK	100	0	21.91	21.91	22.04	21.91	21.90		
20	16QAM	1	0	21.89	21.86	22.09	21.98	21.83	22.7	0
20	16QAM	1	49	21.97	21.92	22.04	21.95	21.92		
20	16QAM	1	99	21.99	21.94	22.10	21.91	21.84		
20	16QAM	50	0	21.96	21.91	22.00	21.88	21.83	22.7	0
20	16QAM	50	24	21.88	21.84	21.99	21.86	21.87		
20	16QAM	50	50	21.93	21.89	22.04	21.92	21.94		
20	16QAM	100	0	21.91	21.85	22.01	21.96	21.89		
20	64QAM	1	0	21.99	21.90	22.06	21.91	21.86	22.7	0
20	64QAM	1	49	21.92	21.83	21.99	21.84	21.81		
20	64QAM	1	99	21.91	21.85	21.98	21.92	21.84		
20	64QAM	50	0	21.89	21.78	21.85	21.83	21.80	22.7	0
20	64QAM	50	24	21.88	21.91	22.01	21.83	21.87		
20	64QAM	50	50	21.73	21.81	21.94	21.78	21.74		
20	64QAM	100	0	21.77	21.88	21.97	21.74	21.75		
20	256QAM	1	0	19.97	19.95	20.00	19.95	19.86	20.7	2
20	256QAM	1	49	19.98	19.85	20.09	19.94	19.84		
20	256QAM	1	99	19.96	19.85	19.98	19.95	19.83		
20	256QAM	50	0	19.96	19.83	20.03	19.92	19.92	20.7	2
20	256QAM	50	24	19.99	19.90	20.00	19.90	19.85		
20	256QAM	50	50	19.87	19.88	20.06	19.93	19.85		
20	256QAM	100	0	19.99	19.86	20.03	19.98	19.88		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.86	21.72	21.93	21.76	21.83	23	0
15	QPSK	1	37	21.83	21.81	21.99	21.82	21.87		
15	QPSK	1	74	21.72	21.89	21.93	21.81	21.68		
15	QPSK	36	0	21.76	21.81	21.87	21.80	21.79	22.7	0
15	QPSK	36	20	21.85	21.76	21.89	21.83	21.73		
15	QPSK	36	39	21.86	21.76	21.93	21.83	21.70		
15	QPSK	75	0	21.78	21.87	22.01	21.82	21.82		
15	16QAM	1	0	21.76	21.75	21.93	21.85	21.67	22.7	0
15	16QAM	1	37	21.83	21.85	21.95	21.82	21.84		
15	16QAM	1	74	21.93	21.81	22.01	21.85	21.72		
15	16QAM	36	0	21.79	21.80	21.93	21.82	21.68	22.7	0
15	16QAM	36	20	21.76	21.76	21.96	21.80	21.80		
15	16QAM	36	39	21.88	21.86	21.95	21.84	21.90		
15	16QAM	75	0	21.87	21.81	21.98	21.80	21.73		
15	64QAM	1	0	21.95	21.80	22.00	21.77	21.77	22.7	0
15	64QAM	1	37	21.77	21.68	21.87	21.70	21.67		
15	64QAM	1	74	21.77	21.79	21.82	21.80	21.69		
15	64QAM	36	0	21.85	21.80	21.81	21.88	21.77	22.7	0
15	64QAM	36	20	21.83	21.86	21.93	21.87	21.86		
15	64QAM	36	39	21.72	21.72	21.90	21.79	21.77		
15	64QAM	75	0	21.78	21.87	22.02	21.76	21.69		
15	256QAM	1	0	19.86	19.82	19.86	19.81	19.76	20.7	2
15	256QAM	1	37	19.89	19.77	19.99	19.78	19.68		
15	256QAM	1	74	19.80	19.79	19.82	19.87	19.76		
15	256QAM	36	0	19.84	19.73	19.94	19.77	19.86	20.7	2
15	256QAM	36	20	19.88	19.80	19.89	19.86	19.73		
15	256QAM	36	39	19.75	19.75	19.91	19.83	19.77		
15	256QAM	75	0	19.90	19.78	19.93	19.87	19.77		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.88	21.72	21.89	21.78	21.92	23	0
10	QPSK	1	25	21.87	21.74	21.98	21.87	21.90		
10	QPSK	1	49	21.74	21.81	21.94	21.73	21.67		
10	QPSK	25	0	21.81	21.86	21.90	21.81	21.78	22.7	0
10	QPSK	25	12	21.73	21.85	21.97	21.84	21.66		
10	QPSK	25	25	21.81	21.87	21.91	21.84	21.78		
10	QPSK	50	0	21.85	21.84	21.99	21.80	21.83		
10	16QAM	1	0	21.83	21.78	21.95	21.90	21.75	22.7	0
10	16QAM	1	25	21.87	21.76	22.00	21.89	21.84		
10	16QAM	1	49	21.83	21.83	21.97	21.82	21.71		
10	16QAM	25	0	21.91	21.74	21.90	21.78	21.80	22.7	0
10	16QAM	25	12	21.82	21.78	22.01	21.70	21.71		
10	16QAM	25	25	21.89	21.76	21.94	21.83	21.90		
10	16QAM	50	0	21.78	21.69	21.89	21.81	21.82		
10	64QAM	1	0	21.87	21.86	21.98	21.83	21.75	22.7	0
10	64QAM	1	25	21.85	21.78	21.96	21.68	21.76		
10	64QAM	1	49	21.78	21.70	21.89	21.77	21.71		
10	64QAM	25	0	21.90	21.84	21.92	21.92	21.79	22.7	0
10	64QAM	25	12	21.85	21.81	21.89	21.88	21.83		
10	64QAM	25	25	21.81	21.75	21.84	21.78	21.74		
10	64QAM	50	0	21.78	21.90	21.89	21.74	21.74		
10	256QAM	1	0	19.83	19.84	19.85	19.92	19.78	20.7	2
10	256QAM	1	25	19.85	19.69	19.96	19.81	19.76		
10	256QAM	1	49	19.81	19.71	19.90	19.84	19.77		
10	256QAM	25	0	19.84	19.71	19.89	19.81	19.83	20.7	2
10	256QAM	25	12	19.93	19.79	19.85	19.74	19.81		
10	256QAM	25	25	19.72	19.81	19.97	19.78	19.80		
10	256QAM	50	0	19.92	19.73	19.94	19.85	19.77		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	21.83	21.77	21.91	21.78	21.86	23	0
5	QPSK	1	12	21.78	21.80	21.98	21.88	21.82		
5	QPSK	1	24	21.73	21.86	21.96	21.78	21.79		
5	QPSK	12	0	21.84	21.85	21.90	21.80	21.78	22.7	0
5	QPSK	12	7	21.73	21.75	21.87	21.80	21.79		
5	QPSK	12	13	21.91	21.85	21.92	21.82	21.68		
5	QPSK	25	0	21.86	21.83	22.01	21.87	21.81		
5	16QAM	1	0	21.75	21.75	22.04	21.83	21.75	22.7	0
5	16QAM	1	12	21.81	21.85	21.89	21.85	21.79		
5	16QAM	1	24	21.86	21.88	22.04	21.75	21.71		
5	16QAM	12	0	21.82	21.76	21.86	21.84	21.68	22.7	0
5	16QAM	12	7	21.80	21.73	22.00	21.76	21.73		
5	16QAM	12	13	21.87	21.73	21.95	21.83	21.89		
5	16QAM	25	0	21.84	21.70	21.94	21.90	21.75		
5	64QAM	1	0	21.84	21.77	21.89	21.75	21.80	22.7	0
5	64QAM	1	12	21.78	21.76	21.95	21.76	21.78		
5	64QAM	1	24	21.81	21.76	21.84	21.84	21.68		
5	64QAM	12	0	21.79	21.86	21.89	21.80	21.76	22.7	0
5	64QAM	12	7	21.79	21.85	21.95	21.83	21.87		
5	64QAM	12	13	21.78	21.68	21.87	21.72	21.74		
5	64QAM	25	0	21.81	21.82	22.02	21.74	21.69		
5	256QAM	1	0	19.91	19.85	19.92	19.90	19.80	20.7	2
5	256QAM	1	12	19.82	19.70	19.94	19.82	19.71		
5	256QAM	1	24	19.87	19.79	19.84	19.89	19.74		
5	256QAM	12	0	19.86	19.74	19.89	19.80	19.83	20.7	2
5	256QAM	12	7	19.87	19.82	19.93	19.87	19.72		
5	256QAM	12	13	19.80	19.79	19.90	19.81	19.80		
5	256QAM	25	0	19.94	19.80	19.89	19.88	19.78		

Reduced Power Mode for Other PA ECI3

Band 5 Other PA Ant0 ECI3

BW [MHz]	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	24.37	24.62	24.37	25.5	0
10	QPSK	1	25	24.51	24.52	24.22		
10	QPSK	1	49	24.26	24.48	24.38		
10	QPSK	25	0	23.51	23.59	23.44	24.5	1
10	QPSK	25	12	23.49	23.48	23.37		
10	QPSK	25	25	23.22	23.40	23.32		
10	QPSK	50	0	23.48	23.61	23.41		
10	16QAM	1	0	23.49	23.60	23.60	24.5	1
10	16QAM	1	25	23.35	23.48	23.39		
10	16QAM	1	49	23.66	23.58	23.41		
10	16QAM	25	0	22.54	22.64	22.51	23.5	2
10	16QAM	25	12	22.66	22.56	22.44		
10	16QAM	25	25	22.50	22.48	22.35		
10	16QAM	50	0	22.51	22.44	22.39		
10	64QAM	1	0	22.67	22.70	22.40	23.5	2
10	64QAM	1	25	22.39	22.77	22.37		
10	64QAM	1	49	22.42	22.41	22.43		
10	64QAM	25	0	21.50	21.51	21.55	22.5	3
10	64QAM	25	12	21.28	21.40	21.28		
10	64QAM	25	25	21.23	21.46	21.49		
10	64QAM	50	0	21.34	21.41	21.27		
10	256QAM	1	0	19.49	19.60	19.47	20.5	5
10	256QAM	1	25	19.28	19.42	19.49		
10	256QAM	1	49	19.57	19.44	19.42		
10	256QAM	25	0	19.40	19.44	19.44	20.5	5
10	256QAM	25	12	19.14	19.43	19.48		
10	256QAM	25	25	19.40	19.55	19.42		
10	256QAM	50	0	19.26	19.45	19.36		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.25	24.48	24.14	25.5	0
5	QPSK	1	12	24.50	24.45	24.17		
5	QPSK	1	24	24.04	24.25	24.23		
5	QPSK	12	0	23.29	23.50	23.39	24.5	1
5	QPSK	12	7	23.37	23.26	23.20		
5	QPSK	12	13	23.16	23.16	23.21		
5	QPSK	25	0	23.38	23.45	23.21		
5	16QAM	1	0	23.46	23.53	23.56	24.5	1
5	16QAM	1	12	23.20	23.43	23.22		
5	16QAM	1	24	23.55	23.53	23.34		
5	16QAM	12	0	22.50	22.58	22.43	23.5	2
5	16QAM	12	7	22.49	22.54	22.30		
5	16QAM	12	13	22.47	22.24	22.11		
5	16QAM	25	0	22.32	22.38	22.28		
5	64QAM	1	0	22.58	22.58	22.27	23.5	2
5	64QAM	1	12	22.28	22.77	22.29		
5	64QAM	1	24	22.41	22.36	22.39		
5	64QAM	12	0	21.41	21.39	21.44	22.5	3
5	64QAM	12	7	21.10	21.17	21.26		
5	64QAM	12	13	21.10	21.46	21.45		
5	64QAM	25	0	21.31	21.37	21.11		
5	256QAM	1	0	19.36	19.52	19.24	20.5	5
5	256QAM	1	12	19.28	19.25	19.31		
5	256QAM	1	24	19.39	19.41	19.29		
5	256QAM	12	0	19.28	19.27	19.21	20.5	5
5	256QAM	12	7	19.09	19.29	19.25		
5	256QAM	12	13	19.40	19.43	19.34		
5	256QAM	25	0	19.06	19.31	19.32		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.15	24.55	24.15	25.5	0
3	QPSK	1	8	24.48	24.48	24.14		
3	QPSK	1	14	24.11	24.27	24.30		
3	QPSK	8	0	23.32	23.43	23.23	24.5	1
3	QPSK	8	4	23.44	23.42	23.16		
3	QPSK	8	7	23.20	23.39	23.32		
3	QPSK	15	0	23.27	23.57	23.21		
3	16QAM	1	0	23.36	23.41	23.55	24.5	1
3	16QAM	1	8	23.31	23.36	23.37		
3	16QAM	1	14	23.57	23.43	23.23		
3	16QAM	8	0	22.54	22.58	22.28	23.5	2
3	16QAM	8	4	22.46	22.56	22.32		
3	16QAM	8	7	22.44	22.24	22.23		
3	16QAM	15	0	22.35	22.26	22.30		
3	64QAM	1	0	22.56	22.51	22.32	23.5	2
3	64QAM	1	8	22.30	22.66	22.28		
3	64QAM	1	14	22.35	22.29	22.29		
3	64QAM	8	0	21.45	21.31	21.33	22.5	3
3	64QAM	8	4	21.08	21.20	21.28		
3	64QAM	8	7	21.16	21.34	21.36		
3	64QAM	15	0	21.21	21.35	21.19		
3	256QAM	1	0	19.28	19.46	19.45	20.5	5
3	256QAM	1	8	19.11	19.30	19.32		
3	256QAM	1	14	19.43	19.29	19.38		
3	256QAM	8	0	19.18	19.24	19.42	20.5	5
3	256QAM	8	4	19.13	19.42	19.31		
3	256QAM	8	7	19.38	19.49	19.34		
3	256QAM	15	0	19.09	19.22	19.27		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.31	24.47	24.17	25.5	0
1.4	QPSK	1	3	24.28	24.36	24.12		
1.4	QPSK	1	5	24.07	24.45	24.32		
1.4	QPSK	3	0	24.12	24.31	24.03		
1.4	QPSK	3	1	24.18	24.29	24.07		
1.4	QPSK	3	3	24.05	24.31	24.25		
1.4	QPSK	6	0	23.31	23.57	23.25	24.5	1
1.4	16QAM	1	0	23.44	23.49	23.38	24.5	1
1.4	16QAM	1	3	23.30	23.37	23.25		
1.4	16QAM	1	5	23.65	23.57	23.38		
1.4	16QAM	3	0	23.31	23.38	23.19		
1.4	16QAM	3	1	23.15	23.21	23.17		
1.4	16QAM	3	3	23.43	23.48	23.33		
1.4	16QAM	6	0	22.44	22.36	22.33	23.5	2
1.4	64QAM	1	0	22.50	22.61	22.37	23.5	2
1.4	64QAM	1	3	22.39	22.59	22.19		
1.4	64QAM	1	5	22.40	22.39	22.28		
1.4	64QAM	3	0	22.28	22.52	22.18		
1.4	64QAM	3	1	22.17	22.56	22.23		
1.4	64QAM	3	3	22.26	22.36	22.26		
1.4	64QAM	6	0	21.31	21.28	21.14	22.5	3
1.4	256QAM	1	0	19.42	19.54	19.46	20.5	5
1.4	256QAM	1	3	19.36	19.32	19.41		
1.4	256QAM	1	5	19.55	19.27	19.40		
1.4	256QAM	3	0	19.34	19.38	19.40		
1.4	256QAM	3	1	19.26	19.39	19.39		
1.4	256QAM	3	3	19.39	19.52	19.36		
1.4	256QAM	6	0	19.02	19.37	19.33	20.5	5

Band 2 Other PA Ant1 ECI3

BW [MHz]	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	21.37	21.32		
20	QPSK	1	49	21.28	21.35	21.26	22.5	0
20	QPSK	1	99	21.25	21.31	21.31		
20	QPSK	50	0	21.33	21.35	21.29		
20	QPSK	50	24	21.31	21.32	21.31	22.5	0
20	QPSK	50	50	21.21	21.32	21.34		
20	QPSK	100	0	21.24	21.34	21.20		
20	16QAM	1	0	21.28	21.32	21.29		
20	16QAM	1	49	21.21	21.33	21.22	22.5	0
20	16QAM	1	99	21.22	21.35	21.33		
20	16QAM	50	0	21.24	21.30	21.26		
20	16QAM	50	24	21.26	21.31	21.34	22.5	0
20	16QAM	50	50	21.25	21.26	21.29		
20	16QAM	100	0	21.20	21.31	21.26		
20	64QAM	1	0	21.23	21.31	21.25		
20	64QAM	1	49	21.23	21.30	21.31	22.5	0
20	64QAM	1	99	21.25	21.32	21.27		
20	64QAM	50	0	21.24	21.29	21.24		
20	64QAM	50	24	21.30	21.26	21.34	22.5	0
20	64QAM	50	50	21.20	21.29	21.31		
20	64QAM	100	0	21.31	21.28	21.26		
20	256QAM	1	0	19.19	19.26	19.27		
20	256QAM	1	49	19.31	19.36	19.22	20.5	2
20	256QAM	1	99	19.29	19.28	19.33		
20	256QAM	50	0	19.26	19.28	19.28		
20	256QAM	50	24	19.28	19.26	19.31	20.5	2
20	256QAM	50	50	19.21	19.27	19.27		
20	256QAM	100	0	19.25	19.29	19.28		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	21.21	21.29	21.28		
15	QPSK	1	37	21.19	21.24	21.15	22.5	0
15	QPSK	1	74	21.17	21.19	21.26		
15	QPSK	36	0	21.24	21.32	21.19		
15	QPSK	36	20	21.17	21.16	21.15	22.5	0
15	QPSK	36	39	21.07	21.22	21.18		
15	QPSK	75	0	21.09	21.29	21.14		
15	16QAM	1	0	21.17	21.22	21.22		
15	16QAM	1	37	21.04	21.16	21.10	22.5	0
15	16QAM	1	74	21.05	21.33	21.30		
15	16QAM	36	0	21.12	21.26	21.16		
15	16QAM	36	20	21.16	21.24	21.20	22.5	0
15	16QAM	36	39	21.10	21.20	21.25		
15	16QAM	75	0	21.06	21.17	21.13		
15	64QAM	1	0	21.11	21.22	21.20		
15	64QAM	1	37	21.20	21.24	21.17	22.5	0
15	64QAM	1	74	21.12	21.26	21.13		
15	64QAM	36	0	21.11	21.17	21.21		
15	64QAM	36	20	21.20	21.18	21.24	22.5	0
15	64QAM	36	39	21.16	21.19	21.19		
15	64QAM	75	0	21.20	21.20	21.17		
15	256QAM	1	0	19.07	19.17	19.11		
15	256QAM	1	37	19.14	19.20	19.17	20.5	2
15	256QAM	1	74	19.15	19.19	19.20		
15	256QAM	36	0	19.12	19.17	19.22		
15	256QAM	36	20	19.24	19.18	19.25	20.5	2
15	256QAM	36	39	19.05	19.21	19.14		
15	256QAM	75	0	19.20	19.24	19.12		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	21.16	21.23	21.16		
10	QPSK	1	25	21.21	21.25	21.12	22.5	0
10	QPSK	1	49	21.18	21.26	21.26		
10	QPSK	25	0	21.23	21.20	21.20		
10	QPSK	25	12	21.18	21.19	21.25	22.5	0
10	QPSK	25	25	21.14	21.18	21.30		
10	QPSK	50	0	21.09	21.29	21.18		
10	16QAM	1	0	21.15	21.24	21.19		
10	16QAM	1	25	21.06	21.22	21.06	22.5	0
10	16QAM	1	49	21.18	21.26	21.25		
10	16QAM	25	0	21.19	21.26	21.11		
10	16QAM	25	12	21.17	21.22	21.19	22.5	0
10	16QAM	25	25	21.15	21.22	21.13		
10	16QAM	50	0	21.12	21.15	21.12		
10	64QAM	1	0	21.07	21.32	21.15		
10	64QAM	1	25	21.10	21.13	21.19	22.5	0
10	64QAM	1	49	21.12	21.23	21.16		
10	64QAM	25	0	21.16	21.23	21.20		
10	64QAM	25	12	21.20	21.24	21.22	22.5	0
10	64QAM	25	25	21.11	21.23	21.15		
10	64QAM	50	0	21.24	21.14	21.18		
10	256QAM	1	0	19.08	19.21	19.16		
10	256QAM	1	25	19.24	19.30	19.05	20.5	2
10	256QAM	1	49	19.26	19.20	19.18		
10	256QAM	25	0	19.21	19.21	19.13		
10	256QAM	25	12	19.22	19.13	19.19	20.5	2
10	256QAM	25	25	19.18	19.21	19.20		
10	256QAM	50	0	19.15	19.19	19.24		
Channel				18525	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	21.17	21.28	21.23		
5	QPSK	1	12	21.13	21.24	21.15	22.5	0
5	QPSK	1	24	21.19	21.22	21.20		
5	QPSK	12	0	21.19	21.22	21.16		
5	QPSK	12	7	21.21	21.22	21.16	22.5	0
5	QPSK	12	13	21.08	21.23	21.23		
5	QPSK	25	0	21.21	21.29	21.23		
5	16QAM	1	0	21.15	21.17	21.23		
5	16QAM	1	12	21.17	21.20	21.19	22.5	0
5	16QAM	1	24	21.18	21.33	21.27		
5	16QAM	12	0	21.15	21.22	21.13		
5	16QAM	12	7	21.10	21.23	21.20	22.5	0
5	16QAM	12	13	21.14	21.22	21.12		
5	16QAM	25	0	21.04	21.15	21.22		
5	64QAM	1	0	21.11	21.27	21.14		
5	64QAM	1	12	21.08	21.20	21.21	22.5	0
5	64QAM	1	24	21.16	21.23	21.20		
5	64QAM	12	0	21.17	21.20	21.14		
5	64QAM	12	7	21.14	21.24	21.21	22.5	0
5	64QAM	12	13	21.13	21.14	21.14		
5	64QAM	25	0	21.26	21.16	21.10		
5	256QAM	1	0	19.12	19.14	19.19		
5	256QAM	1	12	19.23	19.27	19.06	20.5	2
5	256QAM	1	24	19.20	19.19	19.21		
5	256QAM	12	0	19.17	19.16	19.13		
5	256QAM	12	7	19.18	19.14	19.24	20.5	2
5	256QAM	12	13	19.08	19.17	19.15		
5	256QAM	25	0	19.11	19.25	19.16		
Channel				18515	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	21.19	21.34	21.18		
3	QPSK	1	8	21.19	21.33	21.20	22.5	0
3	QPSK	1	14	21.11	21.18	21.16		
3	QPSK	8	0	21.24	21.19	21.20		
3	QPSK	8	4	21.19	21.22	21.15	22.5	0
3	QPSK	8	7	21.06	21.25	21.23		
3	QPSK	15	0	21.16	21.19	21.25		
3	16QAM	1	0	21.19	21.16	21.18		
3	16QAM	1	8	21.05	21.29	21.16	22.5	0
3	16QAM	1	14	21.11	21.25	21.21		
3	16QAM	8	0	21.18	21.22	21.15		
3	16QAM	8	4	21.10	21.31	21.25	22.5	0
3	16QAM	8	7	21.20	21.10	21.26		
3	16QAM	15	0	21.13	21.27	21.14		
3	64QAM	1	0	21.06	21.27	21.11		
3	64QAM	1	8	21.13	21.19	21.19	22.5	0
3	64QAM	1	14	21.12	21.25	21.23		
3	64QAM	8	0	21.09	21.24	21.20		
3	64QAM	8	4	21.23	21.21	21.20	22.5	0
3	64QAM	8	7	21.04	21.19	21.27		
3	64QAM	15	0	21.15	21.24	21.12		
3	256QAM	1	0	19.03	19.11	19.16		
3	256QAM	1	8	19.26	19.24	19.10	20.5	2
3	256QAM	1	14	19.16	19.24	19.23		
3	256QAM	8	0	19.20	19.12	19.13		
3	256QAM	8	4	19.11	19.17	19.25	20.5	2
3	256QAM	8	7	19.07	19.13	19.12		
3	256QAM	15	0	19.20	19.13	19.22		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	21.27	21.31	21.24		
1.4	QPSK	1	3	21.19	21.31	21.12		
1.4	QPSK	1	5	21.17	21.20	21.27	22.5	0
1.4	QPSK	3	0	21.18	21.23	21.19		
1.4	QPSK	3	1	21.19	21.28	21.18		
1.4	QPSK	3	3	21.12	21.23	21.25		
1.4	QPSK	6	0	21.11	21.25	21.14	22.5	0
1.4	16QAM	1	0	21.11	21.16	21.22		
1.4	16QAM	1	3	21.05	21.27	21.19		
1.4	16QAM	1	5	21.09	21.27	21.23	22.5	0
1.4	16QAM	3	0	21.11	21.26	21.20		
1.4	16QAM	3	1	21.14	21.23	21.19		
1.4	16QAM	3	3	21.21	21.21	21.18		
1.4	16QAM	6	0	21.10	21.25	21.19	22.5	0
1.4	64QAM	1	0	21.08	21.35	21.22		
1.4	64QAM	1	3	21.13	21.17	21.25		
1.4	64QAM	1	5	21.13	21.26	21.16	22.5	0
1.4	64QAM	3	0	21.08	21.24	21.09		
1.4	64QAM	3	1	21.23	21.23	21.23		
1.4	64QAM	3	3	21.08	21.13	21.23		
1.4	64QAM	6	0	21.14	21.23	21.13	22.5	0
1.4	256QAM	1	0	19.13	19.19	19.13		
1.4	256QAM	1	3	19.16	19.25	19.17		
1.4	256QAM	1	5	19.18	19.15	19.24	20.5	2
1.4	256QAM	3	0	19.23	19.12	19.22		
1.4	256QAM	3	1	19.25	19.15	19.16		
1.4	256QAM	3	3	19.17	19.20	19.20		
1.4	256QAM	6	0	19.15	19.18	19.17	20.5	2

Band 5 Other PA Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.92	24.10	23.96		
10	QPSK	1	25	24.00	24.07	23.98	25	0
10	QPSK	1	49	23.99	24.07	23.94		
10	QPSK	25	0	23.46	23.63	23.50		
10	QPSK	25	12	23.48	23.53	23.46	24.5	0.5
10	QPSK	25	25	23.46	23.55	23.44		
10	QPSK	50	0	23.47	23.61	23.52		
10	16QAM	1	0	23.51	23.55	23.54		
10	16QAM	1	25	23.43	23.62	23.46	24.5	0.5
10	16QAM	1	49	23.43	23.58	23.54		
10	16QAM	25	0	22.45	22.64	22.44		
10	16QAM	25	12	22.49	22.59	22.51	23.5	1.5
10	16QAM	25	25	22.43	22.58	22.48		
10	16QAM	50	0	22.51	22.54	22.54		
10	64QAM	1	0	22.47	22.58	22.46		
10	64QAM	1	25	22.52	22.55	22.45	23.5	1.5
10	64QAM	1	49	22.40	22.59	22.44		
10	64QAM	25	0	21.50	21.59	21.49		
10	64QAM	25	12	21.45	21.58	21.42	22.5	2.5
10	64QAM	25	25	21.43	21.55	21.52		
10	64QAM	50	0	21.41	21.64	21.49		
10	256QAM	1	0	19.45	19.53	19.50		
10	256QAM	1	25	19.43	19.58	19.44	20.5	4.5
10	256QAM	1	49	19.46	19.54	19.48		
10	256QAM	25	0	19.41	19.51	19.48		
10	256QAM	25	12	19.42	19.57	19.46	20.5	4.5
10	256QAM	25	25	19.53	19.57	19.44		
10	256QAM	50	0	19.46	19.56	19.41		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.84	23.93	23.83		
5	QPSK	1	12	23.84	23.99	23.92	25	0
5	QPSK	1	24	23.83	23.98	23.90		
5	QPSK	12	0	23.39	23.59	23.40		
5	QPSK	12	7	23.40	23.45	23.38	24.5	0.5
5	QPSK	12	13	23.31	23.43	23.40		
5	QPSK	25	0	23.32	23.53	23.45		
5	16QAM	1	0	23.34	23.51	23.46		
5	16QAM	1	12	23.30	23.50	23.40	24.5	0.5
5	16QAM	1	24	23.33	23.50	23.38		
5	16QAM	12	0	22.32	22.60	22.29		
5	16QAM	12	7	22.39	22.48	22.36	23.5	1.5
5	16QAM	12	13	22.35	22.44	22.44		
5	16QAM	25	0	22.45	22.47	22.36		
5	64QAM	1	0	22.37	22.45	22.33		
5	64QAM	1	12	22.37	22.45	22.35	23.5	1.5
5	64QAM	1	24	22.26	22.53	22.37		
5	64QAM	12	0	21.42	21.51	21.45		
5	64QAM	12	7	21.39	21.47	21.30	22.5	2.5
5	64QAM	12	13	21.37	21.52	21.48		
5	64QAM	25	0	21.34	21.50	21.41		
5	256QAM	1	0	19.34	19.50	19.43		
5	256QAM	1	12	19.29	19.47	19.30	20.5	4.5
5	256QAM	1	24	19.36	19.50	19.35		
5	256QAM	12	0	19.37	19.43	19.41		
5	256QAM	12	7	19.38	19.44	19.35	20.5	4.5
5	256QAM	12	13	19.42	19.48	19.28		
5	256QAM	25	0	19.34	19.49	19.26		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.77	23.95	23.86		
3	QPSK	1	8	23.90	23.98	23.84	25	0
3	QPSK	1	14	23.82	24.03	23.84		
3	QPSK	8	0	23.39	23.57	23.44		
3	QPSK	8	4	23.41	23.37	23.38	24.5	0.5
3	QPSK	8	7	23.34	23.50	23.32		
3	QPSK	15	0	23.34	23.52	23.37		
3	16QAM	1	0	23.44	23.41	23.45		
3	16QAM	1	8	23.31	23.49	23.34	24.5	0.5
3	16QAM	1	14	23.32	23.43	23.42		
3	16QAM	8	0	22.34	22.55	22.30		
3	16QAM	8	4	22.45	22.45	22.39	23.5	1.5
3	16QAM	8	7	22.34	22.48	22.34		
3	16QAM	15	0	22.47	22.39	22.44		
3	64QAM	1	0	22.34	22.42	22.42		
3	64QAM	1	8	22.41	22.39	22.34	23.5	1.5
3	64QAM	1	14	22.33	22.51	22.33		
3	64QAM	8	0	21.45	21.43	21.40		
3	64QAM	8	4	21.32	21.52	21.35	22.5	2.5
3	64QAM	8	7	21.35	21.48	21.36		
3	64QAM	15	0	21.36	21.49	21.36		
3	256QAM	1	0	19.34	19.40	19.44		
3	256QAM	1	8	19.32	19.50	19.33	20.5	4.5
3	256QAM	1	14	19.32	19.41	19.33		
3	256QAM	8	0	19.33	19.40	19.34		
3	256QAM	8	4	19.27	19.45	19.40	20.5	4.5
3	256QAM	8	7	19.38	19.51	19.39		
3	256QAM	15	0	19.34	19.49	19.34		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.85	23.94	23.93		
1.4	QPSK	1	3	23.86	23.99	23.87		
1.4	QPSK	1	5	23.87	23.95	23.85	25	0
1.4	QPSK	3	0	23.81	24.06	23.88		
1.4	QPSK	3	1	23.84	23.94	23.79		
1.4	QPSK	3	3	23.84	24.03	23.87		
1.4	QPSK	6	0	23.49	23.53	23.49	24.5	0.5
1.4	16QAM	1	0	23.39	23.57	23.42		
1.4	16QAM	1	3	23.38	23.59	23.44		
1.4	16QAM	1	5	23.44	23.58	23.40	24.5	0.5
1.4	16QAM	3	0	23.47	23.56	23.42		
1.4	16QAM	3	1	23.39	23.65	23.44		
1.4	16QAM	3	3	23.42	23.53	23.41		
1.4	16QAM	6	0	22.48	22.55	22.42	23.5	1.5
1.4	64QAM	1	0	22.38	22.58	22.44		
1.4	64QAM	1	3	22.44	22.67	22.41		
1.4	64QAM	1	5	22.36	22.63	22.46	23.5	1.5
1.4	64QAM	3	0	22.43	22.64	22.41		
1.4	64QAM	3	1	22.43	22.66	22.43		
1.4	64QAM	3	3	22.38	22.55	22.47		
1.4	64QAM	6	0	21.39	21.61	21.50	22.5	2.5
1.4	256QAM	1	0	19.37	19.44	19.34		
1.4	256QAM	1	3	19.13	19.29	19.35		
1.4	256QAM	1	5	19.53	19.21	19.25	20.5	4.5
1.4	256QAM	3	0	19.07	19.28	19.27		
1.4	256QAM	3	1	19.18	19.34	19.34		
1.4	256QAM	3	3	19.23	19.33	19.12		
1.4	256QAM	6	0	18.77	19.09	19.20	20.5	4.5

Band 7 Other PA Ant1 ECI3

BW [MHz]	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	22.44	22.47	22.36		
20	QPSK	1	49	22.35	22.42	22.29	23.2	0
20	QPSK	1	99	22.41	22.45	22.26		
20	QPSK	50	0	22.33	22.45	22.37		
20	QPSK	50	24	22.37	22.44	22.34	23.2	0
20	QPSK	50	50	22.39	22.42	22.27		
20	QPSK	100	0	22.35	22.44	22.33		
20	16QAM	1	0	22.35	22.39	22.37		
20	16QAM	1	49	22.41	22.41	22.31	23.2	0
20	16QAM	1	99	22.36	22.28	22.28		
20	16QAM	50	0	22.35	22.46	22.28		
20	16QAM	50	24	22.34	22.40	22.40	23.2	0
20	16QAM	50	50	22.41	22.44	22.28		
20	16QAM	100	0	22.31	22.45	22.27		
20	64QAM	1	0	22.34	22.41	22.35		
20	64QAM	1	49	22.38	22.46	22.36	23.2	0
20	64QAM	1	99	22.32	22.42	22.37		
20	64QAM	50	0	22.35	22.41	22.35		
20	64QAM	50	24	22.36	22.38	22.37	23.2	0
20	64QAM	50	50	22.36	22.45	22.33		
20	64QAM	100	0	22.35	22.38	22.31		
20	256QAM	1	0	19.89	19.77	19.96		
20	256QAM	1	49	19.66	19.60	19.80	20.7	2.5
20	256QAM	1	99	19.86	19.82	19.75		
20	256QAM	50	0	19.72	19.81	19.59		
20	256QAM	50	24	19.51	19.93	19.80	20.7	2.5
20	256QAM	50	50	19.68	19.86	19.74		
20	256QAM	100	0	19.69	19.84	19.52		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	22.21	22.38	22.26		
15	QPSK	1	37	22.28	22.29	22.25	23.2	0
15	QPSK	1	74	22.38	22.34	22.15		
15	QPSK	36	0	22.21	22.31	22.18		
15	QPSK	36	20	22.28	22.35	22.22	23.2	0
15	QPSK	36	39	22.30	22.34	22.23		
15	QPSK	75	0	22.25	22.32	22.17		
15	16QAM	1	0	22.22	22.30	22.33		
15	16QAM	1	37	22.36	22.34	22.15	23.2	0
15	16QAM	1	74	22.31	22.36	22.18		
15	16QAM	36	0	22.20	22.31	22.13		
15	16QAM	36	20	22.22	22.27	22.29	23.2	0
15	16QAM	36	39	22.25	22.30	22.15		
15	16QAM	75	0	22.25	22.34	22.24		
15	64QAM	1	0	22.25	22.32	22.31		
15	64QAM	1	37	22.30	22.37	22.20	23.2	0
15	64QAM	1	74	22.22	22.34	22.20		
15	64QAM	36	0	22.21	22.33	22.21		
15	64QAM	36	20	22.31	22.25	22.24	23.2	0
15	64QAM	36	39	22.22	22.40	22.17		
15	64QAM	75	0	22.21	22.26	22.24		
15	256QAM	1	0	19.82	19.66	19.91		
15	256QAM	1	37	19.51	19.45	19.72	20.7	2.5
15	256QAM	1	74	19.82	19.69	19.61		
15	256QAM	36	0	19.59	19.68	19.52		
15	256QAM	36	20	19.42	19.87	19.73	20.7	2.5
15	256QAM	36	39	19.57	19.73	19.60		
15	256QAM	75	0	19.62	19.68	19.35		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	22.20	22.38	22.15		
10	QPSK	1	25	22.31	22.26	22.16	23.2	0
10	QPSK	1	49	22.27	22.30	22.11		
10	QPSK	25	0	22.16	22.35	22.23		
10	QPSK	25	12	22.20	22.31	22.22	23.2	0
10	QPSK	25	25	22.28	22.25	22.19		
10	QPSK	50	0	22.19	22.40	22.21		
10	16QAM	1	0	22.31	22.30	22.23		
10	16Q

Band 38 Other PA Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.04	23.10	23.02	23.7	0
20	QPSK	1	49	22.99	23.09	23.05		
20	QPSK	1	99	23.01	23.03	22.97		
20	QPSK	50	0	23.02	23.08	23.01		
20	QPSK	50	24	22.99	23.04	23.02		
20	QPSK	50	50	22.95	23.02	22.97		
20	QPSK	100	0	22.97	23.07	23.05		
20	16QAM	1	0	22.53	22.61	22.59	23.7	0
20	16QAM	1	49	22.49	22.50	22.47		
20	16QAM	1	99	22.54	22.63	22.47		
20	16QAM	50	0	22.95	23.00	23.01		
20	16QAM	50	24	23.04	23.02	23.00		
20	16QAM	50	50	22.99	23.01	22.99		
20	16QAM	100	0	22.95	23.12	22.98		
20	64QAM	1	0	23.07	23.08	23.02	23.7	0
20	64QAM	1	49	23.07	23.03	23.05		
20	64QAM	1	99	23.08	23.09	23.08		
20	64QAM	50	0	22.06	22.09	22.03	22.7	1
20	64QAM	50	24	21.96	22.05	22.02		
20	64QAM	50	50	22.06	22.01	21.96		
20	64QAM	100	0	22.05	22.00	22.05		
20	256QAM	1	0	20.03	20.03	19.99	20.7	3
20	256QAM	1	49	19.95	20.09	20.02		
20	256QAM	1	99	20.00	20.05	20.05		
20	256QAM	50	0	20.07	20.14	20.08	20.7	3
20	256QAM	50	24	20.01	20.06	20.06		
20	256QAM	50	50	20.01	20.07	20.08		
20	256QAM	100	0	19.95	20.05	19.98		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.94	22.95	22.96	23.7	0
15	QPSK	1	37	22.85	22.94	22.96		
15	QPSK	1	74	22.86	22.94	22.82		
15	QPSK	36	0	22.95	23.03	22.86	23.7	0
15	QPSK	36	20	22.90	22.88	22.93		
15	QPSK	36	39	22.89	23.02	22.86		
15	QPSK	75	0	22.83	22.94	22.91		
15	16QAM	1	0	22.44	22.48	22.49	23.7	0
15	16QAM	1	37	22.36	22.40	22.31		
15	16QAM	1	74	22.40	22.54	22.39		
15	16QAM	36	0	22.85	22.88	22.92	23.7	0
15	16QAM	36	20	22.96	22.97	22.96		
15	16QAM	36	39	22.92	22.87	22.89		
15	16QAM	75	0	22.91	23.04	22.88		
15	64QAM	1	0	23.03	22.93	22.85	23.7	0
15	64QAM	1	37	22.91	22.95	22.95		
15	64QAM	1	74	23.03	23.00	23.00		
15	64QAM	36	0	21.94	22.03	21.96	22.7	1
15	64QAM	36	20	21.82	22.01	21.96		
15	64QAM	36	39	22.00	21.86	21.87		
15	64QAM	75	0	21.98	21.96	21.96		
15	256QAM	1	0	20.00	19.98	19.95	20.7	3
15	256QAM	1	37	19.86	19.92	19.87		
15	256QAM	1	74	19.88	19.96	19.97		
15	256QAM	36	0	19.91	20.00	19.93	20.7	3
15	256QAM	36	20	19.91	20.02	19.89		
15	256QAM	36	39	19.94	20.02	19.99		
15	256QAM	75	0	19.89	20.02	19.95		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572	2595	2618		
10	QPSK	1	0	22.90	22.98	22.92	23.7	0
10	QPSK	1	25	22.90	22.93	22.91		
10	QPSK	1	49	22.93	22.98	22.82		
10	QPSK	25	0	22.88	23.01	22.87	23.7	0
10	QPSK	25	12	22.91	22.90	22.98		
10	QPSK	25	25	22.85	23.00	22.80		
10	QPSK	50	0	22.87	22.89	22.94		
10	16QAM	1	0	22.44	22.57	22.42	23.7	0
10	16QAM	1	25	22.37	22.34	22.42		
10	16QAM	1	49	22.37	22.47	22.31		
10	16QAM	25	0	22.87	22.88	22.92	23.7	0
10	16QAM	25	12	22.99	22.90	22.92		
10	16QAM	25	25	22.95	22.95	22.85		
10	16QAM	50	0	22.88	22.96	22.86		
10	64QAM	1	0	22.99	23.02	22.99	23.7	0
10	64QAM	1	25	22.99	22.96	22.90		
10	64QAM	1	49	22.91	22.94	22.95		
10	64QAM	25	0	21.99	21.97	21.90	22.7	1
10	64QAM	25	12	21.87	21.93	21.86		
10	64QAM	25	25	21.99	21.88	21.79		
10	64QAM	50	0	21.94	21.94	21.89		
10	256QAM	1	0	19.89	19.86	19.95	20.7	3
10	256QAM	1	25	19.81	19.92	19.89		
10	256QAM	1	49	19.83	19.89	19.99		
10	256QAM	25	0	19.93	20.06	20.01	20.7	3
10	256QAM	25	12	19.84	20.00	19.99		
10	256QAM	25	25	19.90	19.95	19.99		
10	256QAM	50	0	19.88	20.00	19.94		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.89	22.88	22.88	23.7	0
5	QPSK	1	12	22.82	22.98	22.95		
5	QPSK	1	24	22.88	22.94	22.82		
5	QPSK	12	0	22.94	22.95	22.97	23.7	0
5	QPSK	12	7	22.90	22.99	22.89		
5	QPSK	12	13	22.89	22.92	22.92		
5	QPSK	25	0	22.93	22.90	22.93		
5	16QAM	1	0	22.45	22.55	22.43	23.7	0
5	16QAM	1	12	22.41	22.37	22.42		
5	16QAM	1	24	22.46	22.55	22.34		
5	16QAM	12	0	22.89	22.86	22.93	23.7	0
5	16QAM	12	7	22.90	22.86	22.95		
5	16QAM	12	13	22.90	22.96	22.90		
5	16QAM	25	0	22.84	22.99	22.86		
5	64QAM	1	0	22.91	22.97	22.97	23.7	0
5	64QAM	1	12	23.00	22.91	22.99		
5	64QAM	1	24	23.00	22.94	22.92		
5	64QAM	12	0	21.91	22.03	21.90	22.7	1
5	64QAM	12	7	21.85	21.93	21.91		
5	64QAM	12	13	21.91	21.91	21.85		
5	64QAM	25	0	22.01	21.89	21.96		
5	256QAM	1	0	19.96	20.00	19.96	20.7	3
5	256QAM	1	12	19.90	20.06	19.93		
5	256QAM	1	24	19.95	19.95	19.99		
5	256QAM	12	0	19.92	20.06	20.01	20.7	3
5	256QAM	12	7	19.94	19.93	20.00		
5	256QAM	12	13	19.86	20.01	19.96		
5	256QAM	25	0	19.89	19.93	19.84		

Band 41 Other PA Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.97	22.99	23.05	23.01	22.75	23.7	0
20	QPSK	1	49	22.97	22.96	22.93	22.93	22.68		
20	QPSK	1	99	22.90	23.00	23.02	22.94	22.69		
20	QPSK	50	0	22.88	23.02	23.04	22.97	22.74		
20	QPSK	50	24	22.95	22.94	22.94	23.03	22.73		
20	QPSK	50	50	22.92	23.00	22.92	23.03	22.76		
20	QPSK	100	0	22.96	22.99	23.01	22.94	22.79		
20	16QAM	1	0	22.87	22.91	22.97	23.04	22.71	23.7	0
20	16QAM	1	49	22.91	22.96	22.97	23.03	22.74		
20	16QAM	1	99	22.96	22.92	23.01	23.00	22.74		
20	16QAM	50	0	22.92	23.03	23.04	22.97	22.70	23.7	0
20	16QAM	50	24	22.92	22.93	22.92	23.00	22.68		
20	16QAM	50	50	22.95	22.98	22.99	22.92	22.70		
20	16QAM	100	0	22.90	22.96	23.04	22.95	22.73		
20	64QAM	1	0	22.88	22.96	23.00	23.01	22.68	23.7	0
20	64QAM	1	49	22.89	22.94	23.00	22.92	22.71		
20	64QAM	1	99	22.94	22.96	23.01	22.96	22.77		
20	64QAM	50	0	21.84	21.68	21.73	21.78	21.84	22.7	1
20	64QAM	50	24	21.87	21.77	21.78	21.83	21.74		
20	64QAM	50	50	21.85	21.87	21.62	21.71	21.41		
20	64QAM	100	0	21.55	21.57	21.72	21.52	21.63		
20	256QAM	1	0	19.70	20.02	19.86	19.92	19.72	20.7	3
20	256QAM	1	49	19.68	19.76	19.78	19.79	19.86		
20	256QAM	1	99	19.64	19.73	19.89	19.81	19.63		
20	256QAM	50	0	19.80	19.63	19.87	19.94	19.74	20.7	3
20	256QAM	50	24	19.84	19.46	19.75	19.85	19.69		
20	256QAM	50	50	19.66	19.62	19.91	19.89	19.86		
20	256QAM	100	0	19.75	19.60	19.87	19.80	19.73		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.93	22.83	22.97	22.85	22.71	24	0
15	QPSK	1	37	22.85	22.80	22.85	22.90	22.56		
15	QPSK	1	74	22.81	22.96	22.93	22.79	22.56		
15	QPSK	36	0	22.72	22.94	23.01	22.91	22.59	23.7	0
15	QPSK	36	20	22.90	22.79	22.78	22.97	22.68		
15	QPSK	36	39	22.80	22.96	22.76	22.86	22.60		
15	QPSK	75	0	22.80	22.82	22.93	22.85	22.66		
15	16QAM	1	0	22.80	22.79	22.86	22.97	22.62	23.7	0
15	16QAM	1	37	22.84	22.81	22.81	22.94	22.62		
15	16QAM	1	74	22.79	22.84	22.89	22.95	22.67		
15	16QAM	36	0	22.77	22.91	22.95	22.93	22.66	23.7	0
15	16QAM	36	20	22.78	22.77	22.88	22.87	22.60		
15	16QAM	36	39	22.89	22.83	22.87	22.77	22.62		
15	16QAM	75	0	22.81	22.90	22.90	22.89	22.60		
15	64QAM	1	0	22.72	22.83	22.93	22.92	22.59	23.7	0
15	64QAM	1	37	22.72	22.86	22.90	22.88	22.55		
15	64QAM	1	74	22.80	22.88	22.98	22.90	22.70		
15	64QAM	36	0	21.73	21.58	21.63	21.73	21.70	22.7	1
15	64QAM	36	20	21.81	21.66	21.74	21.72	21.68		
15	64QAM	36	39	21.71	21.73	21.57	21.55	21.31		
15	64QAM	75	0	21.49	21.49	21.67	21.37	21.47		
15	256QAM	1	0	19.66	19.87	19.70	19.88	19.57	20.7	3
15	256QAM	1	37	19.57	19.61	19.66	19.66	19.73		
15	256QAM	1	74	19.52	19.69	19.76	19.75	19.56		
15	256QAM	36	0	19.75	19.59	19.80	19.82	19.59	20.7	3
15	256QAM	36	20	19.79	19.41	19.68	19.48	19.56		
15	256QAM	36	39	19.60	19.47	19.77	19.83	19.77		
15	256QAM	75	0	19.72	19.56	19.76	19.67	19.59		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.82	22.87	22.84	22.90	22.71	24	0
10	QPSK	1	25	22.85	22.85	22.81	22.82	22.64		
10	QPSK	1	49	22.77	22.95	22.93	22.78	22.61		
10	QPSK	25	0	22.72	22.92	22.93	22.85	22.59	23.7	0
10	QPSK	25	12	22.82	22.77	22.83	22.97	22.60		
10	QPSK	25	25	22.84	22.92	22.78	22.90	22.70		
10	QPSK	50	0	22.80	22.84	22.80	22.91	22.69		
10	16QAM	1	0	22.70	22.82	22.87	22.88	22.65	23.7	0
10	16QAM	1	25	22.85	22.91	22.82	22.90	22.71		
10	16QAM	1	49	22.81	22.86	22.90	22.96	22.60		
10	16QAM	25	0	22.78	22.87	22.97	22.82	22.59	23.7	0
10	16QAM	25	12	22.85	22.81	22.77	22.89	22.54		
10	16QAM	25	25	22.91	22.82	22.83	22.85	22.63		
10	16QAM	50	0	22.85	22.85	22.92	22.85	22.56		
10	64QAM	1	0	22.83	22.84	22.95	22.91	22.61	23.7	0
10	64QAM	1	25	22.77	22.90	22.93	22.77	22.60		
10	64QAM	1	49	22.80	22.83	22.92	22.89	22.64		
10	64QAM	25	0	21.72	21.58	21.66	21.68	21.75	22.7	1
10	64QAM	25	12	21.73	21.61	21.66	21.73	21.70		
10	64QAM	25	25	21.81	21.76	21.62	21.66	21.31		
10	64QAM	50	0	21.38	21.43	21.61	21.46	21.55		
10	256QAM	1	0	19.62	19.96	19.78	19.75	19.69	20.7	3
10	256QAM	1	25	19.60	19.63	19.67	19.75	19.80		
10	256QAM	1	49	19.58	19.60	19.86	19.74	19.46		
10	256QAM	25	0	19.72	19.49	19.74	19.84	19.63	20.7	3
10	256QAM	25	12	19.77	19.43	19.69	19.61	19.62		
10	256QAM	25	25	19.51	19.48	19.82	19.77	19.79		
10	256QAM	50	0	19.68	19.45	19.71	19.65	19.59		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.85	22.88	22.93	22.95	22.66	24	0
5	QPSK	1	12	22.86	22.88	22.84	22.86	22.61		
5	QPSK	1	24	22.73	22.92	22.87	22.81	22.64		
5	QPSK	12	0	22.79	22.88	22.92	22.82	22.59	23.7	0
5	QPSK	12	7	22.78	22.80	22.90	22.89	22.59		
5	QPSK	12	13	22.83	22.97	22.89	22.88	22.60		
5	QPSK	25	0	22.82	22.92	22.87	22.81	22.71		
5	16QAM	1	0	22.81	22.80	22.83	22.92	22.56	23.7	0
5	16QAM	1	12	22.88	22.90	22.82	22.91	22.60		
5	16QAM	1	24	22.91	22.80	22.90	22.87	22.64		
5	16QAM	12	0	22.85	22.98	22.91	22.92	22.64	23.7	0
5	16QAM	12	7	22.84	22.88	22.77	22.96	22.54		
5	16QAM	12	13	22.79	22.82	22.91	22.81	22.65		
5	16QAM	25	0	22.77	22.91	22.95	22.90	22.67		
5	64QAM	1	0	22.77	22.83	22.85	22.94	22.53	23.7	0
5	64QAM	1	12	22.82	22.90	22.92	22.84	22.61		
5	64QAM	1	24	22.88	22.83	22.91	22.84	22.73		
5	64QAM	12	0	21.73	21.57	21.58	21.68	21.81	22.7	1
5	64QAM	12	7	21.72	21.71	21.61	21.75	21.65		
5	64QAM	12	13	21.68	21.71	21.56	21.66	21.35		
5	64QAM	25	0	21.45	21.47	21.62	21.38	21.48		
5	256QAM	1	0	19.59	19.92	19.76	19.88	19.61	20.7	3
5	256QAM	1	12	19.64	19.61	19.65	19.64	19.78		
5	256QAM	1	24	19.54	19.57	19.79	19.67	19.52		
5	256QAM	12	0	19.66	19.58	19.84	19.83	19.57	20.7	3
5	256QAM	12	7	19.77	19.42	19.66	19.58	19.61		
5	256QAM	12	13	19.60	19.52	19.86	19.77	19.78		
5	256QAM	25	0	19.69	19.52	19.80	19.69	19.60		

Band 2 Other PA Ant2 ECI3

BW [MHz]	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	21.10	21.15	21.09		
20	QPSK	1	49	21.07	21.07	21.06	22	0
20	QPSK	1	99	21.13	21.10	21.08		
20	QPSK	50	0	21.04	21.14	21.08		
20	QPSK	50	24	21.02	21.13	21.10	22	0
20	QPSK	50	50	21.10	21.01	21.07		
20	QPSK	100	0	21.10	21.12	21.09		
20	16QAM	1	0	21.12	21.11	21.07		
20	16QAM	1	49	21.09	21.12	21.04	22	0
20	16QAM	1	99	21.07	21.14	21.13		
20	16QAM	50	0	21.13	21.13	21.05		
20	16QAM	50	24	21.07	21.12	21.09	22	0
20	16QAM	50	50	21.06	21.11	21.14		
20	16QAM	100	0	21.10	21.03	21.07		
20	64QAM	1	0	21.12	21.11	21.12		
20	64QAM	1	49	21.05	21.03	21.07	22	0
20	64QAM	1	99	21.04	21.12	21.05		
20	64QAM	50	0	21.09	21.07	21.06		
20	64QAM	50	24	21.11	21.06	21.10	22	0
20	64QAM	50	50	21.08	21.14	21.03		
20	64QAM	100	0	21.09	21.11	21.08		
20	256QAM	1	0	19.77	19.82	19.71		
20	256QAM	1	49	19.76	19.83	19.74	20.5	1.5
20	256QAM	1	99	19.69	19.76	19.67		
20	256QAM	50	0	19.78	19.72	19.72		
20	256QAM	50	24	19.77	19.74	19.69	20.5	1.5
20	256QAM	50	50	19.79	19.80	19.68		
20	256QAM	100	0	19.71	19.77	19.72		
Channel				18675	18900	19125	Tune-up limit	MPR
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	0	21.04	21.01	20.97		
15	QPSK	1	37	21.02	21.02	20.89	22	0
15	QPSK	1	74	21.01	21.08	21.01		
15	QPSK	36	0	21.01	20.98	20.99		
15	QPSK	36	20	21.06	21.05	20.98	22	0
15	QPSK	36	39	21.01	21.13	21.02		
15	QPSK	75	0	20.96	21.14	21.08		
15	16QAM	1	0	21.04	20.96	20.95		
15	16QAM	1	37	21.01	20.96	20.98	22	0
15	16QAM	1	74	20.97	20.98	21.07		
15	16QAM	36	0	21.08	21.06	20.95		
15	16QAM	36	20	20.98	21.06	20.99	22	0
15	16QAM	36	39	21.01	21.11	21.01		
15	16QAM	75	0	21.03	21.13	21.00		
15	64QAM	1	0	20.95	21.02	20.97		
15	64QAM	1	37	21.13	21.14	20.93	22	0
15	64QAM	1	74	20.99	21.14	20.88		
15	64QAM	36	0	21.12	21.13	20.96		
15	64QAM	36	20	21.12	21.06	21.01	22	0
15	64QAM	36	39	21.13	21.11	20.86		
15	64QAM	75	0	21.00	20.97	20.96		
15	256QAM	1	0	19.67	19.71	19.58		
15	256QAM	1	37	19.59	19.67	19.69	20.5	1.5
15	256QAM	1	74	19.56	19.64	19.55		
15	256QAM	36	0	19.74	19.57	19.63		
15	256QAM	36	20	19.72	19.66	19.58	20.5	1.5
15	256QAM	36	39	19.69	19.71	19.59		
15	256QAM	75	0	19.61	19.68	19.55		
Channel				18650	18900	19150	Tune-up limit	MPR
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	0	20.93	20.99	20.94		
10	QPSK	1	25	21.13	21.00	20.96	22	0
10	QPSK	1	49	21.04	21.05	20.91		
10	QPSK	25	0	21.14	21.00	20.96		
10	QPSK	25	12	21.03	21.05	21.01	22	0
10	QPSK	25	25	21.00	21.11	20.93		
10	QPSK	50	0	21.02	21.06	20.98		
10	16QAM	1	0	21.08	21.05	20.94		
10	16QAM	1	25	20.94	21.05	20.98	22	0
10	16QAM	1	49	20.98	21.10	21.01		
10	16QAM	25	0	21.00	21.05	21.01		
10	16QAM	25	12	21.00	21.06	20.94	22	0
10	16QAM	25	25	21.02	21.03	20.98		
10	16QAM	50	0	20.96	21.07	20.98		
10	64QAM	1	0	20.98	20.94	20.98		
10	64QAM	1	25	21.07	21.10	21.04	22	0
10	64QAM	1	49	21.07	21.05	20.96		
10	64QAM	25	0	21.14	21.11	20.94		
10	64QAM	25	12	21.13	21.06	20.93	22	0
10	64QAM	25	25	21.01	20.99	20.95		
10	64QAM	50	0	21.03	20.95	21.03		
10	256QAM	1	0	19.69	19.77	19.59		
10	256QAM	1	25	19.62	19.71	19.70	20.5	1.5
10	256QAM	1	49	19.60	19.70	19.51		
10	256QAM	25	0	19.69	19.69	19.59		
10	256QAM	25	12	19.63	19.58	19.56	20.5	1.5
10	256QAM	25	25	19.72	19.75	19.58		
10	256QAM	50	0	19.54	19.68	19.60		
Channel				18625	18900	19175	Tune-up limit	MPR
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	0	20.94	21.03	20.99		
5	QPSK	1	12	21.10	21.12	20.90	22	0
5	QPSK	1	24	21.08	21.09	21.03		
5	QPSK	12	0	21.14	21.05	20.99		
5	QPSK	12	7	21.11	21.09	20.96	22	0
5	QPSK	12	13	21.05	21.07	20.94		
5	QPSK	25	0	20.94	21.11	21.07		
5	16QAM	1	0	21.03	21.00	20.93		
5	16QAM	1	12	21.04	21.08	20.98	22	0
5	16QAM	1	24	21.00	21.01	21.06		
5	16QAM	12	0	21.02	21.00	20.96		
5	16QAM	12	7	21.04	20.99	20.99	22	0
5	16QAM	12	13	20.92	21.07	21.07		
5	16QAM	25	0	21.01	21.10	21.01		
5	64QAM	1	0	21.03	21.02	21.03		
5	64QAM	1	12	21.06	21.06	20.96	22	0
5	64QAM	1	24	20.99	21.11	21.01		
5	64QAM	12	0	21.10	21.14	20.95		
5	64QAM	12	7	21.12	21.12	21.05	22	0
5	64QAM	12	13	21.14	21.10	20.92		
5	64QAM	25	0	21.00	21.00	20.93		
5	256QAM	1	0	19.68	19.76	19.58		
5	256QAM	1	12	19.63	19.78	19.62	20.5	1.5
5	256QAM	1	24	19.59	19.66	19.63		
5	256QAM	12	0	19.66	19.65	19.56		
5	256QAM	12	7	19.66	19.60	19.57	20.5	1.5
5	256QAM	12	13	19.67	19.76	19.60		
5	256QAM	25	0	19.63	19.66	19.58		
Channel				18615	18900	19185	Tune-up limit	MPR
Frequency (MHz)				1851.5	1880	1908.5	(dBm)	(dB)
3	QPSK	1	0	21.07	21.06	20.93		
3	QPSK	1	8	21.11	21.09	20.95	22	0
3	QPSK	1	14	21.13	21.05	20.95		
3	QPSK	8	0	21.06	21.06	21.00		
3	QPSK	8	4	21.13	21.07	21.03	22	0
3	QPSK	8	7	21.07	21.12	21.01		
3	QPSK	15	0	21.01	21.06	21.07		
3	16QAM	1	0	21.11	21.04	21.03		
3	16QAM	1	8	21.05	21.04	20.94	22	0
3	16QAM	1	14	20.91	20.99	21.02		
3	16QAM	8	0	21.05	21.04	20.88		
3	16QAM	8	4	21.01	20.98	20.93	22	0
3	16QAM	8	7	21.00	21.10	21.07		
3	16QAM	15	0	21.03	21.07	20.94		
3	64QAM	1	0	21.06	21.06	21.02		
3	64QAM	1	8	21.12	21.10	20.95	22	0
3	64QAM	1	14	21.02	21.11	20.97		
3	64QAM	8	0	21.01	21.09	21.00		
3	64QAM	8	4	21.01	21.10	20.94	22	0
3	64QAM	8	7	21.06	20.99	20.90		
3	64QAM	15	0	21.02	21.06	20.97		
3	256QAM	1	0	19.63	19.69	19.61		
3	256QAM	1	8	19.72	19.79	19.67	20.5	1.5
3	256QAM	1	14	19.55	19.65	19.60		
3	256QAM	8	0	19.70	19.60	19.60		
3	256QAM	8	4	19.61	19.61	19.54	20.5	1.5
3	256QAM	8	7	19.72	19.63	19.61		
3	256QAM	15	0	19.55	19.63	19.55		
Channel				18607	18900	19193	Tune-up limit	MPR
Frequency (MHz)				1850.7	1880	1909.3	(dBm)	(dB)
1.4	QPSK	1	0	21.01	20.95	20.99		
1.4	QPSK	1	3	21.02	21.07	21.02		
1.4	QPSK	1	5	21.12	21.05	21.04	22	0
1.4	QPSK	3	0	21.04	21.03	20.94		
1.4	QPSK	3	1	21.08	21.08	21.02		
1.4	QPSK	3	3	21.05	21.12	20.91		
1.4	QPSK	6	0	21.00	21.10	21.09	22	0
1.4	16QAM	1	0	21.13	21.07	20.92		
1.4	16QAM	1	3	21.01	20.97	20.90		
1.4	16QAM	1	5	21.03	21.05	21.11	22	0
1.4	16QAM	3	0	21.01	21.01	21.00		
1.4	16QAM	3	1	20.92	21.07	20.99		
1.4	16QAM	3	3	21.02	21.05	21.09		
1.4	16QAM	6	0	21.03	21.02	20.97	22	0
1.4	64QAM	1	0	20.96	21.03	21.00		
1.4	64QAM	1	3	21.06	21.08	20.97		
1.4	64QAM	1	5	20.98	21.09	20.93	22	0
1.4	64QAM	3	0	21.14	21.06	20.92		
1.4	64QAM	3	1	21.05	21.06	21.04		
1.4	64QAM	3	3	21.10	21.05	20.97		
1.4	64QAM	6	0	20.98	20.98	20.93	22	0
1.4	256QAM	1	0	19.68	19.77	19.54		
1.4	256QAM	1	3	19.62	19.74	19.58		
1.4	256QAM	1	5	19.60	19.69	19.51	20.5	1.5
1.4	256QAM	3	0	19.65	19.67	19.55		
1.4	256QAM	3	1	19.70	19.70	19.55		
1.4	256QAM	3	3	19.76	19.74	19.54		
1.4	256QAM	6	0	19.61	19.72	19.60	20.5	1.5

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BW [MHz]	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	20.13	20.17	20.08		
20	QPSK	1	49	20.04	20.12	19.98	20.7	0
20	QPSK	1	99	19.99	20.13	20.06		
20	QPSK	50	0	19.96	20.16	20.06		
20	QPSK	50	24	20.03	20.13	20.09	20.7	0
20	QPSK	50	50	20.03	20.08	19.98		
20	QPSK	100	0	19.93	20.14	19.97		
20	16QAM	1	0	20.01	20.11	19.99		
20	16QAM	1	49	19.90	20.11	19.99	20.7	0
20	16QAM	1	99	19.91	20.10	20.01		
20	16QAM	50	0	19.96	20.16	20.08		
20	16QAM	50	24	19.98	20.10	20.03	20.7	0
20	16QAM	50	50	19.98	20.11	20.01		
20	16QAM	100	0	19.94	20.08	20.07		
20	64QAM	1	0	19.96	20.06	19.95		
20	64QAM	1	49	19.97	20.06	19.98	20.7	0
20	64QAM	1	99	19.90	20.05	20.05		
20	64QAM	50	0	19.96	20.09	20.04		
20	64QAM	50	24	19.94	20.03	20.00	20.7	0
20	64QAM	50	50	19.99	20.02	20.06		
20	64QAM	100	0	19.97	20.09	19.98		
20	256QAM	1	0	19.95	20.16	20.03		
20	256QAM	1	49	19.91	20.03	19.99	20.7	0
20	256QAM	1	99	19.98	20.11	20.07		
20	256QAM	50	0	20.03	20.11	20.06		
20	256QAM	50	24	19.98	20.03	20.01	20.7	0
20	256QAM	50	50	19.96	20.11	20.04		
20	256QAM	100	0	20.03	20.11	19.98		
Channel				20825	21100	21375	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	0	19.86	20.00	19.87		
15	QPSK	1	37	19.92	19.93	19.85	20.7	0
15	QPSK	1	74	19.90	19.93	19.91		
15	QPSK	36	0	19.88	20.02	19.90		
15	QPSK	36	20	19.90	19.96	19.98	20.7	0
15	QPSK	36	39	19.88	19.97	19.97		
15	QPSK	75	0	19.85	20.05	19.94		
15	16QAM	1	0	19.85	20.02	19.95		
15	16QAM	1	37	19.87	19.93	19.99	20.7	0
15	16QAM	1	74	19.88	20.01	19.96		
15	16QAM	36	0	19.83	20.01	19.96		
15	16QAM	36	20	19.84	20.05	19.97	20.7	0
15	16QAM	36	39	19.86	20.02	19.99		
15	16QAM	75	0	19.82	20.02	19.97		
15	64QAM	1	0	19.93	19.97	19.86		
15	64QAM	1	37	19.86	20.00	19.89	20.7	0
15	64QAM	1	74	19.92	20.02	19.93		
15	64QAM	36	0	19.87	19.96	19.88		
15	64QAM	36	20	19.91	20.00	19.96	20.7	0
15	64QAM	36	39	19.83	20.06	19.86		
15	64QAM	75	0	19.83	20.02	19.97		
15	256QAM	1	0	19.85	20.04	19.92		
15	256QAM	1	37	19.82	19.95	19.99	20.7	0
15	256QAM	1	74	19.81	20.03	19.95		
15	256QAM	36	0	19.93	19.95	19.89		
15	256QAM	36	20	19.86	20.00	19.96	20.7	0
15	256QAM	36	39	19.90	19.98	19.99		
15	256QAM	75	0	19.86	19.96	19.95		
Channel				20800	21100	21400	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	0	19.88	19.94	19.93		
10	QPSK	1	25	19.89	20.06	19.95	20.7	0
10	QPSK	1	49	19.94	19.93	19.95		
10	QPSK	25	0	19.80	20.01	19.85		
10	QPSK	25	12	19.91	20.03	19.89	20.7	0
10	QPSK	25	25	19.93	19.97	19.93		
10	QPSK	50	0	19.85	19.97	19.98		
10	16QAM	1	0	19.83	19.92	19.90		
10	16QAM	1	25	19.83	19.98	19.86	20.7	0
10	16QAM	1	49	19.82	19.95	19.88		
10	16QAM	25	0	19.93	19.98	19.86		
10	16QAM	25	12	19.81	20.00	19.97	20.7	0
10	16QAM	25	25	19.92	19.96	19.93		
10	16QAM	50	0	19.81	19.99	19.93		
10	64QAM	1	0	19.83	20.05	19.88		
10	64QAM	1	25	19.84	19.93	19.93	20.7	0
10	64QAM	1	49	19.86	19.97	19.86		
10	64QAM	25	0	19.90	19.95	19.98		
10	64QAM	25	12	19.90	19.96	19.90	20.7	0
10	64QAM	25	25	19.81	19.97	19.92		
10	64QAM	50	0	19.85	19.94	19.99		
10	256QAM	1	0	19.89	19.96	19.95		
10	256QAM	1	25	19.86	20.00	19.96	20.7	0
10	256QAM	1	49	19.87	19.94	19.98		
10	256QAM	25	0	19.86	19.99	19.98		
10	256QAM	25	12	19.90	20.00	19.91	20.7	0
10	256QAM	25	25	19.86	19.93	19.87		
10	256QAM	50	0	19.88	20.04	19.94		
Channel				20775	21100	21425	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	0	19.83	20.01	19.89		
5	QPSK	1	12	19.83	20.04	19.89	20.7	0
5	QPSK	1	24	19.84	19.98	19.93		
5	QPSK	12	0	19.89	19.98	19.87		
5	QPSK	12	7	19.83	19.94	19.93	20.7	0
5	QPSK	12	13	19.81	20.06	19.92		
5	QPSK	25	0	19.81	20.00	19.87		
5	16QAM	1	0	19.86	19.95	19.86		
5	16QAM	1	12	19.84	19.97	19.93	20.7	0
5	16QAM	1	24	19.83	19.99	19.96		
5	16QAM	12	0	19.86	19.93	19.90		
5	16QAM	12	7	19.80	19.94	19.99	20.7	0
5	16QAM	12	13	19.86	19.99	19.88		
5	16QAM	25	0	19.87	20.02	19.92		
5	64QAM	1	0	19.93	20.05	19.86		
5	64QAM	1	12	19.85	19.98	19.91	20.7	0
5	64QAM	1	24	19.85	19.94	19.86		
5	64QAM	12	0	19.80	20.05	19.88		
5	64QAM	12	7	19.89	20.04	19.96	20.7	0
5	64QAM	12	13	19.80	19.94	19.85		
5	64QAM	25	0	19.85	20.01	19.99		
5	256QAM	1	0	19.82	20.01	19.91		
5	256QAM	1	12	19.91	20.01	19.97	20.7	0
5	256QAM	1	24	19.83	19.99	19.87		
5	256QAM	12	0	19.84	20.04	19.95		
5	256QAM	12	7	19.89	19.95	19.89	20.7	0
5	256QAM	12	13	19.87	20.05	19.99		
5	256QAM	25	0	19.80	20.05	19.92		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.55	21.75	21.58	22.2	0
20	QPSK	1	49	21.60	21.74	21.74		
20	QPSK	1	99	21.55	21.71	21.64		
20	QPSK	50	0	21.65	21.73	21.64	22.2	0
20	QPSK	50	24	21.53	21.71	21.69		
20	QPSK	50	50	21.59	21.63	21.69		
20	QPSK	100	0	21.63	21.67	21.60		
20	16QAM	1	0	21.57	21.74	21.63	22.2	0
20	16QAM	1	49	21.58	21.72	21.69		
20	16QAM	1	99	21.61	21.69	21.72		
20	16QAM	50	0	21.54	21.60	21.73	22.2	0
20	16QAM	50	24	21.59	21.65	21.68		
20	16QAM	50	50	21.59	21.72	21.66		
20	16QAM	100	0	21.56	21.71	21.74		
20	64QAM	1	0	21.62	21.71	21.66	22.2	0
20	64QAM	1	49	21.59	21.64	21.65		
20	64QAM	1	99	21.64	21.59	21.64		
20	64QAM	50	0	21.62	21.66	21.63	22.2	0
20	64QAM	50	24	21.57	21.69	21.66		
20	64QAM	50	50	21.59	21.74	21.67		
20	64QAM	100	0	21.60	21.61	21.71		
20	256QAM	1	0	20.01	20.06	19.96	20.7	1.5
20	256QAM	1	49	19.97	20.05	20.00		
20	256QAM	1	99	20.01	20.11	20.04		
20	256QAM	50	0	20.02	20.11	20.02	20.7	1.5
20	256QAM	50	24	20.03	20.04	20.05		
20	256QAM	50	50	19.98	20.14	20.03		
20	256QAM	100	0	19.90	20.09	19.97		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.49	21.58	21.64	22.2	0
15	QPSK	1	37	21.43	21.61	21.59		
15	QPSK	1	74	21.38	21.58	21.72		
15	QPSK	36	0	21.53	21.56	21.51	22.2	0
15	QPSK	36	20	21.45	21.65	21.52		
15	QPSK	36	39	21.48	21.66	21.65		
15	QPSK	75	0	21.57	21.66	21.64		
15	16QAM	1	0	21.45	21.69	21.47	22.2	0
15	16QAM	1	37	21.54	21.74	21.59		
15	16QAM	1	74	21.47	21.63	21.67		
15	16QAM	36	0	21.42	21.64	21.58	22.2	0
15	16QAM	36	20	21.45	21.58	21.61		
15	16QAM	36	39	21.44	21.64	21.57		
15	16QAM	75	0	21.52	21.61	21.65		
15	64QAM	1	0	21.58	21.67	21.57	22.2	0
15	64QAM	1	37	21.43	21.69	21.50		
15	64QAM	1	74	21.49	21.71	21.55		
15	64QAM	36	0	21.52	21.61	21.66	22.2	0
15	64QAM	36	20	21.54	21.53	21.51		
15	64QAM	36	39	21.49	21.58	21.52		
15	64QAM	75	0	21.49	21.73	21.60		
15	256QAM	1	0	19.86	19.99	19.85	20.7	1.5
15	256QAM	1	37	19.92	19.92	19.96		
15	256QAM	1	74	19.91	19.97	20.00		
15	256QAM	36	0	19.99	20.02	19.94	20.7	1.5
15	256QAM	36	20	19.98	19.89	19.97		
15	256QAM	36	39	19.94	20.10	19.96		
15	256QAM	75	0	19.84	20.03	19.84		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.40	21.59	21.67	22.2	0
10	QPSK	1	25	21.43	21.60	21.70		
10	QPSK	1	49	21.41	21.66	21.63		
10	QPSK	25	0	21.49	21.64	21.58	22.2	0
10	QPSK	25	12	21.38	21.71	21.64		
10	QPSK	25	25	21.54	21.64	21.65		
10	QPSK	50	0	21.46	21.66	21.61		
10	16QAM	1	0	21.53	21.59	21.54	22.2	0
10	16QAM	1	25	21.45	21.62	21.57		
10	16QAM	1	49	21.56	21.62	21.55		
10	16QAM	25	0	21.47	21.68	21.62	22.2	0
10	16QAM	25	12	21.50	21.49	21.57		
10	16QAM	25	25	21.49	21.64	21.53		
10	16QAM	50	0	21.51	21.58	21.67		
10	64QAM	1	0	21.49	21.72	21.55	22.2	0
10	64QAM	1	25	21.53	21.69	21.59		
10	64QAM	1	49	21.61	21.73	21.54		
10	64QAM	25	0	21.47	21.71	21.63	22.2	0
10	64QAM	25	12	21.40	21.63	21.56		
10	64QAM	25	25	21.48	21.69	21.51		
10	64QAM	50	0	21.54	21.61	21.63		
10	256QAM	1	0	19.87	19.98	19.79	20.7	1.5
10	256QAM	1	25	19.85	19.90	19.87		
10	256QAM	1	49	19.85	20.07	19.89		
10	256QAM	25	0	19.87	19.96	19.99	20.7	1.5
10	256QAM	25	12	19.93	19.94	20.00		
10	256QAM	25	25	19.89	20.09	19.99		
10	256QAM	50	0	19.83	19.96	19.81		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.48	21.62	21.61	22.2	0
5	QPSK	1	12	21.49	21.63	21.63		
5	QPSK	1	24	21.40	21.67	21.69		
5	QPSK	12	0	21.52	21.65	21.56	22.2	0
5	QPSK	12	7	21.45	21.64	21.57		
5	QPSK	12	13	21.54	21.72	21.60		
5	QPSK	25	0	21.60	21.69	21.58		
5	16QAM	1	0	21.53	21.58	21.51	22.2	0
5	16QAM	1	12	21.42	21.66	21.66		
5	16QAM	1	24	21.55	21.64	21.64		
5	16QAM	12	0	21.41	21.67	21.61	22.2	0
5	16QAM	12	7	21.43	21.51	21.55		
5	16QAM	12	13	21.49	21.68	21.54		
5	16QAM	25	0	21.51	21.58	21.60		
5	64QAM	1	0	21.53	21.67	21.62	22.2	0
5	64QAM	1	12	21.49	21.70	21.53		
5	64QAM	1	24	21.50	21.73	21.53		
5	64QAM	12	0	21.51	21.68	21.64	22.2	0
5	64QAM	12	7	21.43	21.61	21.54		
5	64QAM	12	13	21.49	21.68	21.58		
5	64QAM	25	0	21.52	21.69	21.67		
5	256QAM	1	0	19.95	19.99	19.89	20.7	1.5
5	256QAM	1	12	19.94	19.94	19.91		
5	256QAM	1	24	19.88	20.03	19.88		
5	256QAM	12	0	19.87	19.99	19.90	20.7	1.5
5	256QAM	12	7	19.99	19.96	19.96		
5	256QAM	12	13	19.89	20.07	19.87		
5	256QAM	25	0	19.85	20.02	19.92		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power/ High Middle Ch. / Freq.	Power/ High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2540.5	2593	2636.5	2680		
20	QPSK	1	0	22.55	22.62	22.74	22.61	22.54	23.2	0
20	QPSK	1	49	22.52	22.66	22.71	22.62	22.56		
20	QPSK	1	99	22.57	22.70	22.68	22.55	22.53		
20	QPSK	50	0	22.60	22.64	22.71	22.56	22.60		
20	QPSK	50	24	22.58	22.58	22.61	22.63	22.60		
20	QPSK	50	50	22.62	22.57	22.68	22.65	22.56		
20	QPSK	100	0	22.51	22.56	22.67	22.57	22.53		
20	16QAM	1	0	22.58	22.61	22.63	22.66	22.58	23.2	0
20	16QAM	1	49	22.57	22.65	22.71	22.56	22.58		
20	16QAM	1	99	22.58	22.65	22.72	22.66	22.48		
20	16QAM	50	0	22.61	22.70	22.68	22.64	22.61	23.2	0
20	16QAM	50	24	22.62	22.68	22.64	22.62	22.56		
20	16QAM	50	50	22.57	22.65	22.72	22.58	22.60		
20	16QAM	100	0	22.52	22.61	22.68	22.57	22.52		
20	64QAM	1	0	22.59	22.60	22.67	22.64	22.62	23.2	0
20	64QAM	1	49	22.65	22.62	22.70	22.65	22.53		
20	64QAM	1	99	22.55	22.62	22.65	22.64	22.51		
20	64QAM	50	0	22.12	22.12	22.19	22.14	22.04	22.7	0.5
20	64QAM	50	24	22.06	22.14	22.17	22.12	21.99		
20	64QAM	50	50	22.13	22.17	22.19	22.17	22.09		
20	64QAM	100	0	22.09	22.15	22.19	22.14	22.11		
20	256QAM	1	0	20.10	20.18	20.13	20.13	20.06	20.7	2.5
20	256QAM	1	49	20.03	20.12	20.14	20.07	20.09		
20	256QAM	1	99	20.05	20.07	20.20	20.18	20.01		
20	256QAM	50	0	20.01	20.16	20.20	20.12	20.02	20.7	2.5
20	256QAM	50	24	20.10	20.08	20.18	20.09	20.06		
20	256QAM	50	50	20.03	20.17	20.14	20.16	20.12		
20	256QAM	100	0	20.12	20.09	20.24	20.15	20.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.47	22.52	22.54	22.53	22.49	23	0
15	QPSK	1	37	22.44	22.55	22.59	22.59	22.40		
15	QPSK	1	74	22.50	22.59	22.52	22.48	22.39		
15	QPSK	36	0	22.48	22.53	22.59	22.43	22.48	23.2	0
15	QPSK	36	20	22.55	22.55	22.47	22.56	22.48		
15	QPSK	36	39	22.53	22.54	22.55	22.60	22.46		
15	QPSK	75	0	22.39	22.45	22.52	22.50	22.45		
15	16QAM	1	0	22.45	22.55	22.56	22.52	22.42	23.2	0
15	16QAM	1	37	22.41	22.50	22.64	22.46	22.46		
15	16QAM	1	74	22.49	22.54	22.62	22.55	22.34		
15	16QAM	36	0	22.47	22.59	22.61	22.58	22.46	23.2	0
15	16QAM	36	20	22.57	22.56	22.51	22.57	22.41		
15	16QAM	36	39	22.50	22.52	22.58	22.44	22.57		
15	16QAM	75	0	22.39	22.57	22.62	22.49	22.49		
15	64QAM	1	0	22.52	22.46	22.57	22.47	22.54	23.2	0
15	64QAM	1	37	22.57	22.55	22.66	22.50	22.48		
15	64QAM	1	74	22.48	22.51	22.59	22.56	22.41		
15	64QAM	36	0	22.00	22.05	22.15	22.07	21.90	22.7	0.5
15	64QAM	36	20	21.93	22.06	22.04	21.95	21.88		
15	64QAM	36	39	22.04	22.12	22.10	22.12	21.98		
15	64QAM	75	0	22.01	22.03	22.15	22.10	22.02		
15	256QAM	1	0	20.03	20.12	20.10	20.04	19.95	20.7	2.5
15	256QAM	1	37	19.95	19.99	19.98	19.91	20.05		
15	256QAM	1	74	19.89	20.00	20.05	20.06	19.93		
15	256QAM	36	0	19.91	20.04	20.10	19.96	19.92	20.7	2.5
15	256QAM	36	20	20.01	19.99	20.07	19.98	19.95		
15	256QAM	36	39	19.97	20.06	20.10	20.10	20.01		
15	256QAM	75	0	19.99	20.03	20.10	20.11	20.00		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.39	22.50	22.61	22.52	22.48	23	0
10	QPSK	1	25	22.47	22.59	22.55	22.57	22.42		
10	QPSK	1	49	22.54	22.56	22.61	22.50	22.44		
10	QPSK	25	0	22.53	22.54	22.69	22.44	22.47	23.2	0
10	QPSK	25	12	22.45	22.51	22.45	22.49	22.51		
10	QPSK	25	25	22.51	22.42	22.61	22.50	22.52		
10	QPSK	50	0	22.45	22.43	22.63	22.53	22.43		
10	16QAM	1	0	22.54	22.56	22.53	22.59	22.43	23.2	0
10	16QAM	1	25	22.49	22.58	22.58	22.52	22.52		
10	16QAM	1	49	22.43	22.54	22.66	22.56	22.39		
10	16QAM	25	0	22.45	22.54	22.55	22.50	22.49	23.2	0
10	16QAM	25	12	22.47	22.64	22.53	22.57	22.41		
10	16QAM	25	25	22.50	22.58	22.65	22.42	22.48		
10	16QAM	50	0	22.39	22.47	22.62	22.40	22.38		
10	64QAM	1	0	22.45	22.45	22.59	22.57	22.49	23.2	0
10	64QAM	1	25	22.61	22.55	22.63	22.56	22.45		
10	64QAM	1	49	22.46	22.49	22.56	22.50	22.39		
10	64QAM	25	0	22.06	22.09	22.03	22.04	21.94	22.7	0.5
10	64QAM	25	12	21.98	22.03	22.03	21.98	21.92		
10	64QAM	25	25	22.00	22.03	22.08	22.13	22.06		
10	64QAM	50	0	22.00	22.06	22.08	22.09	22.07		
10	256QAM	1	0	19.94	20.04	20.06	20.03	19.97	20.7	2.5
10	256QAM	1	25	19.88	20.04	20.00	19.94	19.95		
10	256QAM	1	49	20.00	19.98	20.04	20.12	19.92		
10	256QAM	25	0	19.91	20.09	20.05	20.00	19.95	20.7	2.5
10	256QAM	25	12	19.99	19.98	20.12	19.96	19.94		
10	256QAM	25	25	19.94	20.06	20.07	20.06	19.96		
10	256QAM	50	0	20.01	20.05	20.07	20.08	19.97		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.47	22.48	22.64	22.51	22.50	23	0
5	QPSK	1	12	22.43	22.51	22.60	22.53	22.51		
5	QPSK	1	24	22.51	22.56	22.61	22.50	22.43		
5	QPSK	12	0	22.56	22.58	22.68	22.48	22.43	23.2	0
5	QPSK	12	7	22.54	22.42	22.54	22.48	22.45		
5	QPSK	12	13	22.50	22.52	22.60	22.51	22.42		
5	QPSK	25	0	22.45	22.51	22.54	22.51	22.40		
5	16QAM	1	0	22.53	22.56	22.54	22.56	22.50	23.2	0
5	16QAM	1	12	22.51	22.59	22.61	22.49	22.42		
5	16QAM	1	24	22.48	22.53	22.70	22.56	22.45		
5	16QAM	12	0	22.51	22.54	22.52	22.54	22.55	23.2	0
5	16QAM	12	7	22.54	22.52	22.51	22.51	22.52		
5	16QAM	12	13	22.46	22.52	22.60	22.41	22.53		
5	16QAM	25	0	22.44	22.53	22.62	22.52	22.35		
5	64QAM	1	0	22.54	22.46	22.62	22.55	22.59	23.2	0
5	64QAM	1	12	22.53	22.52	22.55	22.49	22.47		
5	64QAM	1	24	22.50	22.55	22.55	22.57	22.36		
5	64QAM	12	0	22.02	22.02	22.14	21.98	21.91	22.7	0.5
5	64QAM	12	7	21.97	22.04	22.03	22.03	21.86		
5	64QAM	12	13	22.03	22.03	22.07	22.02	22.04		
5	64QAM	25	0	21.95	22.00	22.16	22.03	22.00		
5	256QAM	1	0	20.05	20.09	19.99	20.04	19.97	20.7	2.5
5	256QAM	1	12	19.94	19.97	20.05	20.00	19.95		
5	256QAM	1	24	19.99	20.00	20.09	20.06	19.97		
5	256QAM	12	0	19.94	20.02	20.08	20.01	19.98	20.7	2.5
5	256QAM	12	7	19.94	19.96	20.02	19.97	20.03		
5	256QAM	12	13	19.96	20.11	20.03	20.03	20.08		
5	256QAM	25	0	19.98	19.93	20.20	20.03	19.98		

Band 2 Other PA Ant4 ECI3

BW [MHz]	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	23.71	23.75	23.68	24.7	0
20	QPSK	1	49	23.65	23.63	23.59		
20	QPSK	1	99	23.58	23.70	23.64		
20	QPSK	50	0	23.70	23.74	23.62	24.7	0
20	QPSK	50	24	23.61	23.64	23.65		
20	QPSK	50	50	23.61	23.68	23.59		
20	QPSK	100	0	23.67	23.71	23.67		
20	16QAM	1	0	23.59	23.74	23.66	24.7	0
20	16QAM	1	49	23.59	23.72	23.65		
20	16QAM	1	99	23.69	23.74	23.67		
20	16QAM	50	0	22.50	22.70	22.45	23.7	1
20	16QAM	50	24	22.60	22.67	22.47		
20	16QAM	50	50	22.58	22.64	22.49		
20	16QAM	100	0	22.61	22.63	22.51		
20	64QAM	1	0	22.51	22.71	22.46	23.7	1
20	64QAM	1	49	22.58	22.70	22.47		
20	64QAM	1	99	22.53	22.65	22.52		
20	64QAM	50	0	21.49	21.66	21.58	22.7	2
20	64QAM	50	24	21.58	21.65	21.52		
20	64QAM	50	50	21.51	21.60	21.53		
20	64QAM	100	0	21.52	21.58	21.58		
20	256QAM	1	0	19.48	19.61	19.54	20.7	4
20	256QAM	1	49	19.53	19.65	19.48		
20	256QAM	1	99	19.51	19.63	19.49		
20	256QAM	50	0	19.53	19.66	19.46	20.7	4
20	256QAM	50	24	19.62	19.68	19.53		
20	256QAM	50	50	19.54	19.64	19.49		
20	256QAM	100	0	19.59	19.64	19.51		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.65	23.63	23.60	24.7	0
15	QPSK	1	37	23.50	23.47	23.54		
15	QPSK	1	74	23.43	23.62	23.61		
15	QPSK	36	0	23.55	23.69	23.53	24.7	0
15	QPSK	36	20	23.44	23.49	23.56		
15	QPSK	36	39	23.48	23.52	23.53		
15	QPSK	75	0	23.55	23.60	23.53		
15	16QAM	1	0	23.47	23.65	23.56	24.7	0
15	16QAM	1	37	23.51	23.68	23.49		
15	16QAM	1	74	23.53	23.69	23.52		
15	16QAM	36	0	22.42	22.54	22.32	23.7	1
15	16QAM	36	20	22.56	22.58	22.43		
15	16QAM	36	39	22.52	22.59	22.39		
15	16QAM	75	0	22.51	22.60	22.34		
15	64QAM	1	0	22.42	22.66	22.35	23.7	1
15	64QAM	1	37	22.54	22.66	22.41		
15	64QAM	1	74	22.42	22.57	22.44		
15	64QAM	36	0	21.33	21.52	21.44	22.7	2
15	64QAM	36	20	21.54	21.48	21.44		
15	64QAM	36	39	21.44	21.56	21.42		
15	64QAM	75	0	21.48	21.49	21.42		
15	256QAM	1	0	19.36	19.50	19.38	20.7	4
15	256QAM	1	37	19.47	19.57	19.40		
15	256QAM	1	74	19.39	19.54	19.42		
15	256QAM	36	0	19.45	19.58	19.39	20.7	4
15	256QAM	36	20	19.55	19.59	19.39		
15	256QAM	36	39	19.41	19.50	19.37		
15	256QAM	75	0	19.46	19.55	19.38		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.66	23.66	23.57	24.7	0
10	QPSK	1	25	23.56	23.54	23.45		
10	QPSK	1	49	23.44	23.64	23.47		
10	QPSK	25	0	23.56	23.63	23.50	24.7	0
10	QPSK	25	12	23.54	23.51	23.62		
10	QPSK	25	25	23.47	23.62	23.44		
10	QPSK	50	0	23.52	23.55	23.50		
10	16QAM	1	0	23.49	23.57	23.63	24.7	0
10	16QAM	1	25	23.50	23.64	23.60		
10	16QAM	1	49	23.57	23.60	23.60		
10	16QAM	25	0	22.35	22.56	22.40	23.7	1
10	16QAM	25	12	22.56	22.60	22.42		
10	16QAM	25	25	22.55	22.52	22.38		
10	16QAM	50	0	22.47	22.48	22.42		
10	64QAM	1	0	22.38	22.60	22.41	23.7	1
10	64QAM	1	25	22.49	22.57	22.31		
10	64QAM	1	49	22.44	22.58	22.49		
10	64QAM	25	0	21.36	21.56	21.42	22.7	2
10	64QAM	25	12	21.47	21.56	21.45		
10	64QAM	25	25	21.34	21.52	21.40		
10	64QAM	50	0	21.45	21.54	21.51		
10	256QAM	1	0	19.43	19.56	19.49	20.7	4
10	256QAM	1	25	19.49	19.54	19.33		
10	256QAM	1	49	19.37	19.46	19.35		
10	256QAM	25	0	19.36	19.60	19.41	20.7	4
10	256QAM	25	12	19.49	19.59	19.49		
10	256QAM	25	25	19.49	19.47	19.32		
10	256QAM	50	0	19.45	19.50	19.47		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.57	23.66	23.58	24.7	0
5	QPSK	1	12	23.58	23.46	23.51		
5	QPSK	1	24	23.48	23.59	23.54		
5	QPSK	12	0	23.61	23.65	23.55	24.7	0
5	QPSK	12	7	23.48	23.58	23.55		
5	QPSK	12	13	23.49	23.52	23.45		
5	QPSK	25	0	23.63	23.66	23.52		
5	16QAM	1	0	23.50	23.58	23.59	24.7	0
5	16QAM	1	12	23.52	23.69	23.58		
5	16QAM	1	24	23.57	23.71	23.61		
5	16QAM	12	0	22.39	22.59	22.41	23.7	1
5	16QAM	12	7	22.53	22.54	22.39		
5	16QAM	12	13	22.51	22.47	22.42		
5	16QAM	25	0	22.57	22.49	22.48		
5	64QAM	1	0	22.37	22.59	22.32	23.7	1
5	64QAM	1	12	22.47	22.57	22.38		
5	64QAM	1	24	22.43	22.61	22.42		
5	64QAM	12	0	21.40	21.62	21.47	22.7	2
5	64QAM	12	7	21.47	21.60	21.48		
5	64QAM	12	13	21.36	21.46	21.45		
5	64QAM	25	0	21.36	21.49	21.53		
5	256QAM	1	0	19.36	19.56	19.43	20.7	4
5	256QAM	1	12	19.40	19.48	19.34		
5	256QAM	1	24	19.37	19.54	19.35		
5	256QAM	12	0	19.46	19.49	19.34	20.7	4
5	256QAM	12	7	19.48	19.52	19.48		
5	256QAM	12	13	19.38	19.53	19.45		
5	256QAM	25	0	19.51	19.52	19.46		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.68	23.71	23.55	24.7	0
3	QPSK	1	8	23.52	23.48	23.53		
3	QPSK	1	14	23.53	23.56	23.53		
3	QPSK	8	0	23.65	23.67	23.53	24.7	0
3	QPSK	8	4	23.52	23.59	23.54		
3	QPSK	8	7	23.54	23.57	23.53		
3	QPSK	15	0	23.51	23.62	23.52		
3	16QAM	1	0	23.47	23.63	23.52	24.7	0
3	16QAM	1	8	23.46	23.68	23.52		
3	16QAM	1	14	23.63	23.69	23.63		
3	16QAM	8	0	22.44	22.62	22.36	23.7	1
3	16QAM	8	4	22.46	22.60	22.44		
3	16QAM	8	7	22.42	22.59	22.42		
3	16QAM	15	0	22.52	22.52	22.47		
3	64QAM	1	0	22.39	22.58	22.33	23.7	1
3	64QAM	1	8	22.48	22.58	22.31		
3	64QAM	1	14	22.41	22.52	22.36		
3	64QAM	8	0	21.39	21.49	21.42	22.7	2
3	64QAM	8	4	21.48	21.58	21.35		
3	64QAM	8	7	21.45	21.47	21.50		
3	64QAM	15	0	21.44	21.41	21.46		
3	256QAM	1	0	19.38	19.46	19.42	20.7	4
3	256QAM	1	8	19.42	19.60	19.34		
3	256QAM	1	14	19.42	19.58	19.40		
3	256QAM	8	0	19.44	19.56	19.31	20.7	4
3	256QAM	8	4	19.55	19.54	19.43		
3	256QAM	8	7	19.40	19.47	19.34		
3	256QAM	15	0	19.51	19.53	19.48		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.66	23.65	23.58	24.7	0
1.4	QPSK	1	3	23.54	23.58	23.43		
1.4	QPSK	1	5	23.44	23.64	23.55		
1.4	QPSK	3	0	23.62	23.67	23.59		
1.4	QPSK	3	1	23.57	23.51	23.51		
1.4	QPSK	3	3	23.50	23.55	23.54		
1.4	QPSK	6	0	23.60	23.62	23.63	24.7	0
1.4	16QAM	1	0	23.48	23.58	23.56	24.7	0
1.4	16QAM	1	3	23.54	23.58	23.62		
1.4	16QAM	1	5	23.61	23.65	23.60		
1.4	16QAM	3	0	23.60	23.66	23.56		
1.4	16QAM	3	1	23.70	23.74	23.58		
1.4	16QAM	3	3	23.67	23.72	23.56		
1.4	16QAM	6	0	22.72	22.63	22.56	23.7	1
1.4	64QAM	1	0	22.67	22.69	22.63	23.7	1
1.4	64QAM	1	3	22.65	22.68	22.58		
1.4	64QAM	1	5	22.62	22.75	22.66		
1.4	64QAM	3	0	22.59	22.68	22.62		
1.4	64QAM	3	1	22.70	22.69	22.62		
1.4	64QAM	3	3	22.62	22.73	22.66		
1.4	64QAM	6	0	21.58	21.72	21.56	22.7	2
1.4	256QAM	1	0	19.40	19.46	19.47	20.7	4
1.4	256QAM	1	3	19.48	19.57	19.40		
1.4	256QAM	1	5	19.36	19.58	19.33		
1.4	256QAM	3	0	19.48	19.61	19.33		
1.4	256QAM	3	1	19.51	19.57	19.45		
1.4	256QAM	3	3	19.44	19.56	19.37		
1.4	256QAM	6	0	19.49	19.55	19.38	20.7	4

Band 7 Other PA Ant4 ECI3

BW [MHz]	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	21.44	21.60	21.45	22.2	0
20	QPSK	1	49	21.47	21.38	21.41		
20	QPSK	1	99	21.48	21.45	21.20		
20	QPSK	50	0	21.37	21.57	21.37	22.2	0
20	QPSK	50	24	21.45	21.51	21.34		
20	QPSK	50	50	21.36	21.35	21.34		
20	QPSK	100	0	21.48	21.50	21.42		
20	16QAM	1	0	21.36	21.45	21.37	22.2	0
20	16QAM	1	49	21.42	21.36	21.25		
20	16QAM	1	99	21.36	21.41	21.33		
20	16QAM	50	0	21.45	21.50	21.37	22.2	0
20	16QAM	50	24	21.46	21.40	21.33		
20	16QAM	50	50	21.44	21.39	21.34		
20	16QAM	100	0	21.40	21.52	21.37		
20	64QAM	1	0	21.39	21.47	21.32	22.2	0
20	64QAM	1	49	21.40	21.56	21.43		
20	64QAM	1	99	21.45	21.44	21.32		
20	64QAM	50	0	20.32	20.43	20.42	22.2	0
20	64QAM	50	24	20.47	20.59	20.35		
20	64QAM	50	50	20.47	20.45	20.39		
20	64QAM	100	0	20.32	20.50	20.40		
20	256QAM	1	0	19.85	19.91	19.77	20.7	1.5
20	256QAM	1	49	19.73	19.86	19.67		
20	256QAM	1	99	19.88	19.92	19.84		
20	256QAM	50	0	19.77	19.82	19.79	20.7	1.5
20	256QAM	50	24	19.87	19.87	19.74		
20	256QAM	50	50	19.93	19.91	19.75		
20	256QAM	100	0	19.83	19.87	19.76		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.35	21.43	21.30	22.2	0
15	QPSK	1	37	21.39	21.32	21.27		
15	QPSK	1	74	21.36	21.40	21.11		
15	QPSK	36	0	21.21	21.41	21.31	22.2	0
15	QPSK	36	20	21.42	21.42	21.23		
15	QPSK	36	39	21.25	21.29	21.22		
15	QPSK	75	0	21.39	21.41	21.36		
15	16QAM	1	0	21.21	21.34	21.25	22.2	0
15	16QAM	1	37	21.29	21.21	21.16		
15	16QAM	1	74	21.26	21.38	21.17		
15	16QAM	36	0	21.30	21.47	21.24	22.2	0
15	16QAM	36	20	21.32	21.37	21.25		
15	16QAM	36	39	21.29	21.30	21.21		
15	16QAM	75	0	21.25	21.40	21.21		
15	64QAM	1	0	21.23	21.30	21.28	22.2	0
15	64QAM	1	37	21.36	21.56	21.39		
15	64QAM	1	74	21.30	21.39	21.27		
15	64QAM	36	0	20.21	20.38	20.27	22.2	0
15	64QAM	36	20	20.32	20.51	20.22		
15	64QAM	36	39	20.31	20.28	20.27		
15	64QAM	75	0	20.26	20.44	20.24		
15	256QAM	1	0	19.77	19.76	19.63	20.7	1.5
15	256QAM	1	37	19.64	19.74	19.55		
15	256QAM	1	74	19.84	19.78	19.76		
15	256QAM	36	0	19.69	19.66	19.68	20.7	1.5
15	256QAM	36	20	19.72	19.73	19.64		
15	256QAM	36	39	19.76	19.85	19.59		
15	256QAM	75	0	19.73	19.80	19.64		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.40	21.44	21.36	22.2	0
10	QPSK	1	25	21.30	21.29	21.28		
10	QPSK	1	49	21.45	21.31	21.17		
10	QPSK	25	0	21.34	21.44	21.20	22.2	0
10	QPSK	25	12	21.31	21.41	21.19		
10	QPSK	25	25	21.25	21.19	21.36		
10	QPSK	50	0	21.41	21.43	21.25		
10	16QAM	1	0	21.19	21.40	21.28	22.2	0
10	16QAM	1	25	21.28	21.19	21.13		
10	16QAM	1	49	21.25	21.34	21.26		
10	16QAM	25	0	21.40	21.42	21.33	22.2	0
10	16QAM	25	12	21.34	21.26	21.18		
10	16QAM	25	25	21.39	21.32	21.21		
10	16QAM	50	0	21.26	21.39	21.27		
10	64QAM	1	0	21.24	21.30	21.24	22.2	0
10	64QAM	1	25	21.26	21.55	21.29		
10	64QAM	1	49	21.36	21.28	21.28		
10	64QAM	25	0	20.26	20.34	20.36	22.2	0
10	64QAM	25	12	20.42	20.49	20.21		
10	64QAM	25	25	20.35	20.34	20.25		
10	64QAM	50	0	20.24	20.34	20.28		
10	256QAM	1	0	19.77	19.76	19.62	20.7	1.5
10	256QAM	1	25	19.61	19.71	19.54		
10	256QAM	1	49	19.76	19.87	19.78		
10	256QAM	25	0	19.71	19.68	19.71	20.7	1.5
10	256QAM	25	12	19.84	19.75	19.60		
10	256QAM	25	25	19.89	19.78	19.67		
10	256QAM	50	0	19.69	19.82	19.66		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.38	21.55	21.30	22.2	0
5	QPSK	1	12	21.30	21.35	21.32		
5	QPSK	1	24	21.43	21.41	21.05		
5	QPSK	12	0	21.22	21.41	21.20	22.2	0
5	QPSK	12	7	21.40	21.40	21.24		
5	QPSK	12	13	21.24	21.20	21.26		
5	QPSK	25	0	21.35	21.40	21.38		
5	16QAM	1	0	21.25	21.39	21.34	22.2	0
5	16QAM	1	12	21.29	21.25	21.13		
5	16QAM	1	24	21.19	21.29	21.17		
5	16QAM	12	0	21.29	21.43	21.30	22.2	0
5	16QAM	12	7	21.41	21.33	21.18		
5	16QAM	12	13	21.40	21.26	21.19		
5	16QAM	25	0	21.32	21.44	21.26		
5	64QAM	1	0	21.31	21.33	21.24	22.2	0
5	64QAM	1	12	21.35	21.50	21.30		
5	64QAM	1	24	21.41	21.31	21.25		
5	64QAM	12	0	20.29	20.34	20.26	22.2	0
5	64QAM	12	7	20.30	20.48	20.29		
5	64QAM	12	13	20.32	20.29	20.29		
5	64QAM	25	0	20.24	20.43	20.34		
5	256QAM	1	0	19.72	19.86	19.64	20.7	1.5
5	256QAM	1	12	19.64	19.78	19.53		
5	256QAM	1	24	19.75	19.88	19.80		
5	256QAM	12	0	19.71	19.77	19.73	20.7	1.5
5	256QAM	12	7	19.76	19.78	19.62		
5	256QAM	12	13	19.90	19.78	19.66		
5	256QAM	25	0	19.70	19.79	19.71		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.40	23.52	23.42	24.2	0
20	QPSK	1	49	23.43	23.50	23.35		
20	QPSK	1	99	23.47	23.48	23.45		
20	QPSK	50	0	23.44	23.49	23.35		
20	QPSK	50	24	23.45	23.41	23.42		
20	QPSK	50	50	23.42	23.45	23.44		
20	QPSK	100	0	23.42	23.47	23.42		
20	16QAM	1	0	23.51	23.50	23.44		
20	16QAM	1	49	23.50	23.43	23.36	24.2	0
20	16QAM	1	99	23.48	23.47	23.37		
20	16QAM	50	0	23.01	22.99	22.88		
20	16QAM	50	24	22.94	23.02	22.91	23.7	0.5
20	16QAM	50	50	22.97	22.95	22.93		
20	16QAM	100	0	23.02	22.99	22.84		
20	64QAM	1	0	22.96	22.96	22.87		
20	64QAM	1	49	23.03	22.97	22.84	23.7	0.5
20	64QAM	1	99	23.01	23.00	22.91		
20	64QAM	50	0	22.03	21.98	21.94		
20	64QAM	50	24	21.95	21.99	21.87	22.7	1.5
20	64QAM	50	50	21.99	22.01	21.90		
20	64QAM	100	0	21.95	22.05	21.93		
20	256QAM	1	0	20.03	19.95	19.85		
20	256QAM	1	49	19.99	20.01	19.86	20.7	3.5
20	256QAM	1	99	20.00	20.02	19.82		
20	256QAM	50	0	19.93	20.01	19.85		
20	256QAM	50	24	19.97	20.05	19.95	20.7	3.5
20	256QAM	50	50	19.93	19.93	19.87		
20	256QAM	100	0	20.03	20.04	19.92		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.38	23.38	23.25	24.2	0
15	QPSK	1	37	23.26	23.43	23.31		
15	QPSK	1	74	23.40	23.41	23.34		
15	QPSK	36	0	23.38	23.31	23.31		
15	QPSK	36	20	23.29	23.42	23.29	24.2	0
15	QPSK	36	39	23.38	23.34	23.28		
15	QPSK	75	0	23.40	23.44	23.36		
15	16QAM	1	0	23.42	23.47	23.32		
15	16QAM	1	37	23.34	23.32	23.25	24.2	0
15	16QAM	1	74	23.37	23.42	23.29		
15	16QAM	36	0	22.89	22.90	22.75		
15	16QAM	36	20	22.78	22.91	22.88	23.7	0.5
15	16QAM	36	39	22.85	22.85	22.90		
15	16QAM	75	0	22.89	22.93	22.69		
15	64QAM	1	0	22.86	22.82	22.74		
15	64QAM	1	37	22.96	22.93	22.73	23.7	0.5
15	64QAM	1	74	22.95	22.89	22.84		
15	64QAM	36	0	21.96	21.92	21.79		
15	64QAM	36	20	21.86	21.86	21.82	22.7	1.5
15	64QAM	36	39	21.96	21.96	21.74		
15	64QAM	75	0	21.82	22.00	21.90		
15	256QAM	1	0	19.93	19.84	19.73		
15	256QAM	1	37	19.91	19.89	19.70	20.7	3.5
15	256QAM	1	74	19.90	19.87	19.75		
15	256QAM	36	0	19.89	19.90	19.73		
15	256QAM	36	20	19.85	19.96	19.82	20.7	3.5
15	256QAM	36	39	19.79	19.80	19.79		
15	256QAM	75	0	19.96	19.98	19.78		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572	2595	2618		
10	QPSK	1	0	23.34	23.33	23.31	24.2	0
10	QPSK	1	25	23.37	23.46	23.19		
10	QPSK	1	49	23.43	23.35	23.38		
10	QPSK	25	0	23.38	23.37	23.28		
10	QPSK	25	12	23.42	23.35	23.30	24.2	0
10	QPSK	25	25	23.43	23.31	23.28		
10	QPSK	50	0	23.34	23.45	23.29		
10	16QAM	1	0	23.38	23.45	23.39		
10	16QAM	1	25	23.40	23.29	23.20	24.2	0
10	16QAM	1	49	23.37	23.41	23.21		
10	16QAM	25	0	22.92	22.89	22.77		
10	16QAM	25	12	22.91	22.92	22.75	23.7	0.5
10	16QAM	25	25	22.88	22.84	22.83		
10	16QAM	50	0	22.98	22.85	22.73		
10	64QAM	1	0	22.90	22.85	22.75		
10	64QAM	1	25	22.91	22.89	22.71	23.7	0.5
10	64QAM	1	49	22.94	22.96	22.85		
10	64QAM	25	0	21.95	21.87	21.82		
10	64QAM	25	12	21.84	21.87	21.75	22.7	1.5
10	64QAM	25	25	21.89	21.88	21.82		
10	64QAM	50	0	21.83	21.95	21.85		
10	256QAM	1	0	19.96	19.86	19.74		
10	256QAM	1	25	19.95	19.97	19.70	20.7	3.5
10	256QAM	1	49	19.86	19.97	19.73		
10	256QAM	25	0	19.82	19.98	19.79		
10	256QAM	25	12	19.88	19.95	19.83	20.7	3.5
10	256QAM	25	25	19.84	19.81	19.79		
10	256QAM	50	0	19.92	19.91	19.85		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	23.40	23.38	23.36	24.2	0
5	QPSK	1	12	23.27	23.36	23.28		
5	QPSK	1	24	23.39	23.41	23.33		
5	QPSK	12	0	23.39	23.37	23.29		
5	QPSK	12	7	23.35	23.33	23.32	24.2	0
5	QPSK	12	13	23.39	23.36	23.31		
5	QPSK	25	0	23.43	23.41	23.30		
5	16QAM	1	0	23.48	23.43	23.34		
5	16QAM	1	12	23.44	23.36	23.21	24.2	0
5	16QAM	1	24	23.34	23.43	23.30		
5	16QAM	12	0	22.85	22.90	22.75		
5	16QAM	12	7	22.78	22.85	22.82	23.7	0.5
5	16QAM	12	13	22.88	22.86	22.78		
5	16QAM	25	0	22.97	22.91	22.77		
5	64QAM	1	0	22.86	22.85	22.81		
5	64QAM	1	12	22.88	22.90	22.77	23.7	0.5
5	64QAM	1	24	22.87	22.87	22.78		
5	64QAM	12	0	22.00	21.81	21.84		
5	64QAM	12	7	21.81	21.87	21.83	22.7	1.5
5	64QAM	12	13	21.82	21.88	21.81		
5	64QAM	25	0	21.84	21.91	21.77		
5	256QAM	1	0	19.96	19.82	19.81		
5	256QAM	1	12	19.85	19.86	19.77	20.7	3.5
5	256QAM	1	24	19.94	19.97	19.72		
5	256QAM	12	0	19.88	19.89	19.80		
5	256QAM	12	7	19.84	19.96	19.79	20.7	3.5
5	256QAM	12	13	19.79	19.77	19.79		
5	256QAM	25	0	19.97	20.00	19.87		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.92	22.95	23.10	23.07	22.95		
20	QPSK	1	49	22.88	22.91	23.07	22.92	22.89	23.7	0
20	QPSK	1	99	22.87	22.96	23.03	22.96	22.91		
20	QPSK	50	0	22.94	22.90	23.09	22.89	22.95		
20	QPSK	50	24	22.88	22.95	23.02	22.98	22.87		
20	QPSK	50	50	22.96	22.89	23.04	22.93	22.88		
20	QPSK	100	0	22.96	22.82	23.06	22.86	22.93		
20	16QAM	1	0	22.97	22.90	23.06	22.95	22.83		
20	16QAM	1	49	22.98	22.88	22.98	22.95	22.92	23.7	0
20	16QAM	1	99	22.96	22.84	23.01	22.89	22.90		
20	16QAM	50	0	22.89	22.86	23.01	22.97	22.88		
20	16QAM	50	24	22.94	22.88	23.00	22.97	22.87	23.7	0
20	16QAM	50	50	22.92	22.85	23.02	22.90	22.89		
20	16QAM	100	0	22.90	22.91	23.02	22.94	22.95		
20	64QAM	1	0	22.87	22.83	23.06	22.90	22.87		
20	64QAM	1	49	23.00	22.93	23.04	22.98	22.93	23.7	0
20	64QAM	1	99	22.92	22.87	23.06	22.88	22.90		
20	64QAM	50	0	21.93	21.91	22.07	21.93	21.93		
20	64QAM	50	24	21.96	21.96	21.97	21.86	21.83	22.7	1
20	64QAM	50	50	21.96	21.88	22.10	21.91	21.89		
20	64QAM	100	0	21.90	21.94	22.00	21.86	21.84		
20	256QAM	1	0	19.91	19.90	20.09	19.85	19.87		
20	256QAM	1	49	19.98	19.88	20.11	19.95	19.92	20.7	3
20	256QAM	1	99	19.95	19.88	20.06	19.85	19.81		
20	256QAM	50	0	19.96	19.96	20.11	19.85	19.95		
20	256QAM	50	24	19.92	19.92	20.01	19.88	19.87	20.7	3
20	256QAM	50	50	19.97	19.88	20.05	19.93	19.83		
20	256QAM	100	0	19.92	19.82	20.07	19.92	19.93		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.84	22.75	22.86	22.82	22.87		
15	QPSK	1	37	22.77	22.75	22.93	22.87	22.79	24	0
15	QPSK	1	74	22.82	22.88	22.96	22.89	22.81		
15	QPSK	36	0	22.85	22.79	22.93	22.82	22.79		
15	QPSK	36	20	22.74	22.86	22.99	22.82	22.81	23.7	0
15	QPSK	36	39	22.83	22.81	22.93	22.83	22.76		
15	QPSK	75	0	22.83	22.75	22.93	22.79	22.90		
15	16QAM	1	0	22.93	22.84	22.92	22.78	22.73		
15	16QAM	1	37	22.89	22.73	22.82	22.91	22.82	23.7	0
15	16QAM	1	74	22.87	22.75	22.98	22.78	22.84		
15	16QAM	36	0	22.83	22.75	22.86	22.85	22.82		
15	16QAM	36	20	22.81	22.80	22.92	22.86	22.73	23.7	0
15	16QAM	36	39	22.79	22.69	22.92	22.77	22.80		
15	16QAM	75	0	22.85	22.84	22.90	22.77	22.81		
15	64QAM	1	0	22.72	22.69	22.94	22.79	22.83		
15	64QAM	1	37	22.94	22.83	22.96	22.84	22.77	23.7	0
15	64QAM	1	74	22.84	22.70	22.98	22.72	22.78		
15	64QAM	36	0	21.85	21.74	21.99	21.87	21.77		
15	64QAM	36	20	21.84	21.86	21.94	21.70	21.69	22.7	1
15	64QAM	36	39	21.83	21.76	22.05	21.76	21.73		
15	64QAM	75	0	21.85	21.86	21.88	21.81	21.75		
15	256QAM	1	0	19.75	19.81	20.04	19.71	19.72		
15	256QAM	1	37	19.89	19.83	19.96	19.79	19.94	20.7	3
15	256QAM	1	74	19.89	19.81	19.99	19.77	19.78		
15	256QAM	36	0	19.90	19.92	20.01	19.69	19.79		
15	256QAM	36	20	19.76	19.76	19.93	19.77	19.80	20.7	3
15	256QAM	36	39	19.93	19.72	19.97	19.82	19.69		
15	256QAM	75	0	19.76	19.67	20.01	19.82	19.86		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.77	22.77	22.98	22.77	22.79		
10	QPSK	1	25	22.82	22.74	22.91	22.88	22.77	24	0
10	QPSK	1	49	22.80	22.88	22.96	22.84	22.79		
10	QPSK	25	0	22.88	22.77	23.02	22.76	22.73		
10	QPSK	25	12	22.73	22.84	23.03	22.93	22.73	23.7	0
10	QPSK	25	25	22.91	22.80	23.04	22.88	22.73		
10	QPSK	50	0	22.88	22.71	22.87	22.79	22.82		
10	16QAM	1	0	22.87	22.79	22.96	22.85	22.75		
10	16QAM	1	25	22.86	22.79	22.93	22.91	22.76	23.7	0
10	16QAM	1	49	22.84	22.76	22.93	22.86	22.76		
10	16QAM	25	0	22.81	22.71	22.95	22.92	22.84		
10	16QAM	25	12	22.80	22.78	22.85	22.92	22.75	23.7	0
10	16QAM	25	25	22.76	22.74	22.87	22.75	22.81		
10	16QAM	50	0	22.80	22.86	22.92	22.80	22.90		
10	64QAM	1	0	22.83	22.73	23.04	22.85	22.75		
10	64QAM	1	25	22.85	22.81	22.90	22.86	22.81	23.7	0
10	64QAM	1	49	22.81	22.79	22.97	22.76	22.86		
10	64QAM	25	0	21.76	21.83	21.91	21.86	21.78		
10	64QAM	25	12	21.85	21.87	21.93	21.75	21.69	22.7	1
10	64QAM	25	25	21.86	21.79	21.98	21.78	21.76		
10	64QAM	50	0	21.76	21.83	21.94	21.73	21.79		
10	256QAM	1	0	19.87	19.73	20.04	19.76	19.76		
10	256QAM	1	25	19.87	19.76	19.96	19.84	19.85	20.7	3
10	256QAM	1	49	19.87	19.81	19.98	19.81	19.78		
10	256QAM	25	0	19.80	19.90	20.02	19.69	19.82		
10	256QAM	25	12	19.89	19.86	19.94	19.76	19.74	20.7	3
10	256QAM	25	25	19.85	19.76	20.01	19.85	19.74		
10	256QAM	50	0	19.85	19.66	20.00	19.85	19.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.81	22.74	22.88	22.76	22.83		
5	QPSK	1	12	22.77	22.87	22.98	22.76	22.80	24	0
5	QPSK	1	24	22.75	22.83	22.90	22.93	22.83		
5	QPSK	12	0	22.87	22.76	22.96	22.85	22.82		
5	QPSK	12	7	22.76	22.78	22.99	22.92	22.83	23.7	0
5	QPSK	12	13	22.85	22.85	23.05	22.85	22.74		
5	QPSK	25	0	22.80	22.76	23.00	22.80	22.89		
5	16QAM	1	0	22.92	22.76	23.00	22.80	22.75		
5	16QAM	1	12	22.82	22.82	22.82	22.88	22.76	23.7	0
5	16QAM	1	24	22.84	22.72	23.04	22.77	22.75		
5	16QAM	12	0	22.74	22.78	22.87	22.81	22.83		
5	16QAM	12	7	22.84	22.82	22.84	22.86	22.72	23.7	0
5	16QAM	12	13	22.75	22.73	22.87	22.80	22.76		
5	16QAM	25	0	22.73	22.87	22.88	22.80	22.91		
5	64QAM	1	0	22.74	22.67	22.96	22.78	22.72		
5	64QAM	1	12	22.82	22.85	22.91	22.91	22.78	23.7	0
5	64QAM	1	24	22.82	22.81	22.99	22.73	22.80		
5	64QAM	12	0	21.78	21.75	21.94	21.80	21.81		
5	64QAM	12	7	21.86	21.92	21.89	21.73	21.70	22.7	1
5	64QAM	12	13	21.79	21.84	22.04	21.80	21.74		
5	64QAM	25	0	21.75	21.83	21.91	21.77	21.67		
5	256QAM	1	0	19.75	19.80	20.03	19.79	19.78		
5	256QAM	1	12	19.85	19.80	20.04	19.78	19.88	20.7	3
5	256QAM	1	24	19.85	19.71	19.94	19.82	19.71		
5	256QAM	12	0	19.81	19.87	20.05	19.73	19.91		
5	256QAM	12	7	19.88	19.82	19.88	19.84	19.73	20.7	3
5	256QAM	12	13	19.85	19.83	19.92	19.86	19.75		
5	256QAM	25	0	19.88	19.76	19.90	19.82	19.80		

Reduced Power Mode for Other PA ECI4

Band 5 Other PA Ant0 ECI4

BW [MHz]	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	24.37	24.62	24.37	25.5	0
10	QPSK	1	25	24.51	24.52	24.22		
10	QPSK	1	49	24.26	24.48	24.38		
10	QPSK	25	0	23.51	23.59	23.44	24.5	1
10	QPSK	25	12	23.49	23.48	23.37		
10	QPSK	25	25	23.22	23.40	23.32		
10	QPSK	50	0	23.48	23.61	23.41		
10	16QAM	1	0	23.49	23.60	23.60	24.5	1
10	16QAM	1	25	23.35	23.48	23.39		
10	16QAM	1	49	23.66	23.58	23.41		
10	16QAM	25	0	22.54	22.64	22.51	23.5	2
10	16QAM	25	12	22.66	22.56	22.44		
10	16QAM	25	25	22.50	22.48	22.35		
10	16QAM	50	0	22.51	22.44	22.39		
10	64QAM	1	0	22.67	22.70	22.49	23.5	2
10	64QAM	1	25	22.39	22.77	22.37		
10	64QAM	1	49	22.42	22.41	22.43		
10	64QAM	25	0	21.50	21.51	21.55	22.5	3
10	64QAM	25	12	21.28	21.40	21.28		
10	64QAM	25	25	21.23	21.46	21.49		
10	64QAM	50	0	21.34	21.41	21.27		
10	256QAM	1	0	19.49	19.60	19.47	20.5	5
10	256QAM	1	25	19.28	19.42	19.49		
10	256QAM	1	49	19.57	19.44	19.42		
10	256QAM	25	0	19.40	19.44	19.44	20.5	5
10	256QAM	25	12	19.14	19.43	19.48		
10	256QAM	25	25	19.40	19.55	19.42		
10	256QAM	50	0	19.26	19.45	19.36		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.25	24.48	24.14	25.5	0
5	QPSK	1	12	24.50	24.45	24.17		
5	QPSK	1	24	24.04	24.25	24.23		
5	QPSK	12	0	23.29	23.50	23.39	24.5	1
5	QPSK	12	7	23.37	23.26	23.20		
5	QPSK	12	13	23.16	23.16	23.21		
5	QPSK	25	0	23.38	23.45	23.21		
5	16QAM	1	0	23.46	23.53	23.56	24.5	1
5	16QAM	1	12	23.20	23.43	23.22		
5	16QAM	1	24	23.55	23.53	23.34		
5	16QAM	12	0	22.50	22.58	22.43	23.5	2
5	16QAM	12	7	22.49	22.54	22.30		
5	16QAM	12	13	22.47	22.24	22.11		
5	16QAM	25	0	22.32	22.38	22.28		
5	64QAM	1	0	22.58	22.58	22.27	23.5	2
5	64QAM	1	12	22.28	22.77	22.29		
5	64QAM	1	24	22.41	22.36	22.39		
5	64QAM	12	0	21.41	21.39	21.44	22.5	3
5	64QAM	12	7	21.10	21.17	21.26		
5	64QAM	12	13	21.10	21.46	21.45		
5	64QAM	25	0	21.31	21.37	21.11		
5	256QAM	1	0	19.36	19.52	19.24	20.5	5
5	256QAM	1	12	19.28	19.25	19.31		
5	256QAM	1	24	19.39	19.41	19.29		
5	256QAM	12	0	19.28	19.27	19.21	20.5	5
5	256QAM	12	7	19.09	19.29	19.25		
5	256QAM	12	13	19.40	19.43	19.34		
5	256QAM	25	0	19.06	19.31	19.32		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.15	24.55	24.15	25.5	0
3	QPSK	1	8	24.48	24.48	24.14		
3	QPSK	1	14	24.11	24.27	24.30		
3	QPSK	8	0	23.32	23.43	23.23	24.5	1
3	QPSK	8	4	23.44	23.42	23.16		
3	QPSK	8	7	23.20	23.39	23.32		
3	QPSK	15	0	23.27	23.57	23.21		
3	16QAM	1	0	23.36	23.41	23.55	24.5	1
3	16QAM	1	8	23.31	23.38	23.37		
3	16QAM	1	14	23.57	23.43	23.23		
3	16QAM	8	0	22.54	22.58	22.28	23.5	2
3	16QAM	8	4	22.46	22.56	22.32		
3	16QAM	8	7	22.44	22.24	22.23		
3	16QAM	15	0	22.35	22.26	22.30		
3	64QAM	1	0	22.56	22.51	22.32	23.5	2
3	64QAM	1	8	22.30	22.66	22.28		
3	64QAM	1	14	22.35	22.29	22.29		
3	64QAM	8	0	21.45	21.31	21.33	22.5	3
3	64QAM	8	4	21.08	21.20	21.28		
3	64QAM	8	7	21.16	21.34	21.36		
3	64QAM	15	0	21.21	21.35	21.19		
3	256QAM	1	0	19.28	19.46	19.45	20.5	5
3	256QAM	1	8	19.11	19.30	19.32		
3	256QAM	1	14	19.43	19.29	19.38		
3	256QAM	8	0	19.18	19.24	19.42	20.5	5
3	256QAM	8	4	19.13	19.42	19.31		
3	256QAM	8	7	19.38	19.49	19.34		
3	256QAM	15	0	19.09	19.22	19.27		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.31	24.47	24.17	25.5	0
1.4	QPSK	1	3	24.28	24.36	24.12		
1.4	QPSK	1	5	24.07	24.45	24.32		
1.4	QPSK	3	0	24.12	24.31	24.03		
1.4	QPSK	3	1	24.18	24.29	24.07		
1.4	QPSK	3	3	24.05	24.31	24.25		
1.4	QPSK	6	0	23.31	23.57	23.25	24.5	1
1.4	16QAM	1	0	23.44	23.49	23.38	24.5	1
1.4	16QAM	1	3	23.30	23.37	23.25		
1.4	16QAM	1	5	23.65	23.57	23.38		
1.4	16QAM	3	0	23.31	23.38	23.19		
1.4	16QAM	3	1	23.15	23.21	23.17		
1.4	16QAM	3	3	23.43	23.48	23.33		
1.4	16QAM	6	0	22.44	22.36	22.33	23.5	2
1.4	64QAM	1	0	22.50	22.61	22.37	23.5	2
1.4	64QAM	1	3	22.39	22.59	22.19		
1.4	64QAM	1	5	22.40	22.39	22.28		
1.4	64QAM	3	0	22.28	22.52	22.18		
1.4	64QAM	3	1	22.17	22.56	22.23		
1.4	64QAM	3	3	22.26	22.36	22.26		
1.4	64QAM	6	0	21.31	21.28	21.14	22.5	3
1.4	256QAM	1	0	19.42	19.54	19.46	20.5	5
1.4	256QAM	1	3	19.36	19.32	19.41		
1.4	256QAM	1	5	19.55	19.27	19.40		
1.4	256QAM	3	0	19.34	19.38	19.40		
1.4	256QAM	3	1	19.26	19.39	19.39		
1.4	256QAM	3	3	19.39	19.52	19.36		
1.4	256QAM	6	0	19.02	19.37	19.33	20.5	5

Band 2 Other PA Ant1 ECI4

BW [MHz]	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	23.96	24.32	23.99	25.5	0
20	QPSK	1	49	23.86	24.23	23.99		
20	QPSK	1	99	23.93	24.07	24.16		
20	QPSK	50	0	23.22	23.24	23.21	24.5	1
20	QPSK	50	24	23.11	23.13	23.08		
20	QPSK	50	50	22.94	23.00	23.14		
20	QPSK	100	0	23.17	23.32	23.17		
20	16QAM	1	0	23.17	23.26	23.35	24.5	1
20	16QAM	1	49	23.16	23.16	23.18		
20	16QAM	1	99	23.32	23.39	23.00		
20	16QAM	50	0	22.35	22.26	22.16	23.5	2
20	16QAM	50	24	22.34	22.35	22.13		
20	16QAM	50	50	22.13	22.11	22.12		
20	16QAM	100	0	22.13	22.19	22.00		
20	64QAM	1	0	22.39	22.36	22.03	23.5	2
20	64QAM	1	49	22.07	22.49	22.19		
20	64QAM	1	99	22.22	22.22	22.13		
20	64QAM	50	0	21.13	21.31	21.31	22.5	3
20	64QAM	50	24	20.91	21.21	21.08		
20	64QAM	50	50	20.84	21.18	21.25		
20	64QAM	100	0	21.12	21.04	20.90		
20	256QAM	1	0	19.27	19.28	19.25	20.5	5
20	256QAM	1	49	18.99	19.00	19.25		
20	256QAM	1	99	19.24	19.23	19.13		
20	256QAM	50	0	19.19	19.19	19.04	20.5	5
20	256QAM	50	24	18.77	19.24	19.19		
20	256QAM	50	50	19.07	19.26	19.14		
20	256QAM	100	0	19.05	19.21	19.05		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.98	24.30	23.94	25.5	0
15	QPSK	1	37	24.22	24.06	23.98		
15	QPSK	1	74	24.01	24.14	23.95		
15	QPSK	36	0	23.27	23.34	23.15	24.5	1
15	QPSK	36	20	23.07	23.17	23.40		
15	QPSK	36	39	23.26	23.08	23.04		
15	QPSK	75	0	23.10	23.29	23.10		
15	16QAM	1	0	23.07	23.21	23.17	24.5	1
15	16QAM	1	37	23.06	23.21	22.98		
15	16QAM	1	74	23.28	23.20	23.00		
15	16QAM	36	0	22.30	22.37	22.25	23.5	2
15	16QAM	36	20	22.44	22.32	22.20		
15	16QAM	36	39	22.20	22.21	21.99		
15	16QAM	75	0	22.15	22.06	22.10		
15	64QAM	1	0	22.38	22.43	22.03	23.5	2
15	64QAM	1	37	22.03	22.34	22.02		
15	64QAM	1	74	22.01	21.97	22.15		
15	64QAM	36	0	21.27	21.14	21.22	22.5	3
15	64QAM	36	20	21.06	21.15	20.99		
15	64QAM	36	39	20.90	21.15	21.16		
15	64QAM	75	0	20.92	21.16	20.86		
15	256QAM	1	0	19.04	19.23	19.03	20.5	5
15	256QAM	1	37	19.02	19.01	19.05		
15	256QAM	1	74	19.29	19.03	19.15		
15	256QAM	36	0	19.10	19.02	18.99	20.5	5
15	256QAM	36	20	18.73	19.21	19.09		
15	256QAM	36	39	19.17	19.19	19.09		
15	256QAM	75	0	18.89	19.02	18.92		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.12	24.23	24.14	25.5	0
10	QPSK	1	25	24.14	24.10	23.78		
10	QPSK	1	49	24.02	24.08	23.94		
10	QPSK	25	0	23.22	23.22	23.00	24.5	1
10	QPSK	25	12	23.23	23.03	22.94		
10	QPSK	25	25	22.81	23.17	22.93		
10	QPSK	50	0	23.09	23.25	22.98		
10	16QAM	1	0	23.12	23.28	23.20	24.5	1
10	16QAM	1	25	23.04	23.06	23.05		
10	16QAM	1	49	23.21	23.19	23.06		
10	16QAM	25	0	22.15	22.20	22.16	23.5	2
10	16QAM	25	12	22.33	22.11	22.12		
10	16QAM	25	25	22.10	22.19	22.01		
10	16QAM	50	0	22.06	22.20	22.00		
10	64QAM	1	0	22.32	22.30	22.11	23.5	2
10	64QAM	1	25	22.15	22.40	21.92		
10	64QAM	1	49	22.07	22.11	22.08		
10	64QAM	25	0	21.17	21.22	21.16	22.5	3
10	64QAM	25	12	21.00	21.03	21.00		
10	64QAM	25	25	20.77	21.09	21.24		
10	64QAM	50	0	21.08	21.06	20.96		
10	256QAM	1	0	19.04	19.37	19.08	20.5	5
10	256QAM	1	25	18.93	19.06	19.27		
10	256QAM	1	49	19.22	19.03	19.12		
10	256QAM	25	0	19.06	19.21	19.06	20.5	5
10	256QAM	25	12	18.86	19.04	19.24		
10	256QAM	25	25	19.14	19.25	19.20		
10	256QAM	50	0	18.97	19.08	19.00		
Channel				18525	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.07	24.19	23.99	25.5	0
5	QPSK	1	12	24.18	24.27	23.92		
5	QPSK	1	24	23.96	24.08	23.96		
5	QPSK	12	0	23.17	23.27	23.18	24.5	1
5	QPSK	12	7	23.07	23.03	23.09		
5	QPSK	12	13	22.82	23.18	22.91		
5	QPSK	25	0	23.11	23.36	23.05		
5	16QAM	1	0	23.07	23.21	23.19	24.5	1
5	16QAM	1	12	23.06	23.23	23.02		
5	16QAM	1	24	23.39	23.14	23.16		
5	16QAM	12	0	22.14	22.19	22.21	23.5	2
5	16QAM	12	7	22.38	22.33	21.99		
5	16QAM	12	13	22.23	22.21	21.98		
5	16QAM	25	0	22.17	22.16	22.05		
5	64QAM	1	0	22.36	22.39	22.12	23.5	2
5	64QAM	1	12	22.00	22.35	22.04		
5	64QAM	1	24	22.07	22.09	21.98		
5	64QAM	12	0	21.10	21.10	21.11	22.5	3
5	64QAM	12	7	20.86	21.08	21.04		
5	64QAM	12	13	20.88	21.23	21.26		
5	64QAM	25	0	20.97	21.02	21.03		
5	256QAM	1	0	19.09	19.32	19.02	20.5	5
5	256QAM	1	12	19.04	18.98	19.05		
5	256QAM	1	24	19.24	19.16	19.20		
5	256QAM	12	0	19.00	19.16	19.03	20.5	5
5	256QAM	12	7	18.85	19.09	19.09		
5	256QAM	12	13	19.09	19.17	19.04		
5	256QAM	25	0	18.91	19.11	18.93		
Channel				18515	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.98	24.24	23.96	25.5	0
3	QPSK	1	8	24.10	24.18	23.92		
3	QPSK	1	14	23.81	24.25	24.08		
3	QPSK	8	0	23.22	23.26	23.05	24.5	1
3	QPSK	8	4	23.25	23.09	23.14		
3	QPSK	8	7	22.84	23.08	22.93		
3	QPSK	15	0	23.09	23.32	23.00		
3	16QAM	1	0	23.05	23.24	23.17	24.5	1
3	16QAM	1	8	23.12	23.19	22.95		
3	16QAM	1	14	23.36	23.23	22.98		
3	16QAM	8	0	22.12	22.39	22.28	23.5	2
3	16QAM	8	4	22.27	22.19	22.03		
3	16QAM	8	7	22.06	22.20	21.99		
3	16QAM	15	0	22.12	22.14	22.06		
3	64QAM	1	0	22.24	22.30	22.43	23.5	2
3	64QAM	1	8	22.34	22.55	22.34		
3	64QAM	1	14	22.34	22.17	22.41		
3	64QAM	8	0	21.07	21.23	21.20	22.5	3
3	64QAM	8	4	21.03	21.07	20.91		
3	64QAM	8	7	20.82	21.03	21.13		
3	64QAM	15	0	20.96	21.11	20.89		
3	256QAM	1	0	19.07	19.38	19.21	20.5	5
3	256QAM	1	8	18.97	19.20	19.17		
3	256QAM	1	14	19.34	19.10	19.06		
3	256QAM	8	0	19.04	19.13	19.09	20.5	5
3	256QAM	8	4	18.87	19.03	19.09		
3	256QAM	8	7	19.14	19.12	19.04		
3	256QAM	15	0	18.85	19.09	19.01		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.99	24.10	23.82	25.5	0
1.4	QPSK	1	3	23.90	24.12	23.82		
1.4	QPSK	1	5	23.76	24.10	23.90		
1.4	QPSK	3	0	23.69	24.04	23.78		
1.4	QPSK	3	1	23.89	23.98	23.72		
1.4	QPSK	3	3	23.73	24.04	23.80		
1.4	QPSK	6	0	23.08	23.15	22.96	24.5	1
1.4	16QAM	1	0	23.15	23.20	23.01	24.5	1
1.4	16QAM	1	3	23.00	22.97	22.98		
1.4	16QAM	1	5	23.34	23.15	23.11		
1.4	16QAM	3	0	23.05	22.96	22.76		
1.4	16QAM	3	1	22.86	22.90	22.88		
1.4	16QAM	3	3	22.98	23.09	23.00		
1.4	16QAM	6	0	22.08	21.95	21.91	23.5	2
1.4	64QAM	1	0	22.16	22.25	21.99	23.5	2
1.4	64QAM	1	3	22.00	22.24	21.97		
1.4	64QAM	1	5	21.96	22.03	21.96		
1.4	64QAM	3	0	21.91	22.23	21.83		
1.4	64QAM	3	1	21.83	22.13	21.88		
1.4	64QAM	3	3	21.96	21.96	21.82		
1.4	64QAM	6	0	20.91	21.00	20.68	22.5	3
1.4	256QAM	1	0	19.12	19.26	19.19	20.5	5
1.4	256QAM	1	3	19.00	19.10	19.05		
1.4	256QAM	1	5	19.28	18.94	18.99		
1.4	256QAM	3	0	18.97	19.11	19.17		
1.4	256QAM	3	1	19.01	19.16	19.16		
1.4	256QAM	3	3	19.14	19.12	18.90		
1.4	256QAM	6	0	18.62	18.95	19.09	20.5	5

Band 5 Other PA Ant1 ECI4

BW [MHz]	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	24.36	24.58	24.38	25.5	0
10	QPSK	1	25	24.11	24.32	24.26		
10	QPSK	1	49	24.22	24.33	24.39		
10	QPSK	25	0	23.42	23.52	23.43	24.5	1
10	QPSK	25	12	23.31	23.41	23.20		
10	QPSK	25	25	23.07	23.22	23.30		
10	QPSK	50	0	23.48	23.62	23.41		
10	16QAM	1	0	23.33	23.40	23.63	24.5	1
10	16QAM	1	25	23.34	23.27	23.35		
10	16QAM	1	49	23.53	23.52	23.18		
10	16QAM	25	0	22.64	22.60	22.37	23.5	2
10	16QAM	25	12	22.49	22.60	22.31		
10	16QAM	25	25	22.40	22.34	22.35		
10	16QAM	50	0	22.21	22.30	22.15		
10	64QAM	1	0	22.62	22.56	22.34	23.5	2
10	64QAM	1	25	22.31	22.60	22.35		
10	64QAM	1	49	22.39	22.42	22.23		
10	64QAM	25	0	21.37	21.55	21.59	22.5	3
10	64QAM	25	12	21.19	21.43	21.17		
10	64QAM	25	25	21.29	21.48	21.43		
10	64QAM	50	0	21.27	21.18	21.02		
10	256QAM	1	0	19.55	19.40	19.45	20.5	5
10	256QAM	1	25	19.30	19.11	19.45		
10	256QAM	1	49	19.45	19.38	19.32		
10	256QAM	25	0	19.41	19.30	19.33	20.5	5
10	256QAM	25	12	19.22	19.43	19.35		
10	256QAM	25	25	19.18	19.39	19.33		
10	256QAM	50	0	19.36	19.43	19.19		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.15	24.39	24.26	25.5	0
5	QPSK	1	12	24.41	24.53	24.08		
5	QPSK	1	24	24.13	24.33	24.39		
5	QPSK	12	0	23.45	23.54	23.44	24.5	1
5	QPSK	12	7	23.35	23.36	23.31		
5	QPSK	12	13	23.20	23.27	23.31		
5	QPSK	25	0	23.39	23.64	23.40		
5	16QAM	1	0	23.46	23.50	23.50	24.5	1
5	16QAM	1	12	23.44	23.33	23.31		
5	16QAM	1	24	23.57	23.58	23.25		
5	16QAM	12	0	22.50	22.38	22.31	23.5	2
5	16QAM	12	7	22.49	22.52	22.43		
5	16QAM	12	13	22.40	22.42	22.23		
5	16QAM	25	0	22.28	22.43	22.14		
5	64QAM	1	0	22.54	22.65	22.32	23.5	2
5	64QAM	1	12	22.36	22.74	22.42		
5	64QAM	1	24	22.46	22.40	22.42		
5	64QAM	12	0	21.33	21.55	21.53	22.5	3
5	64QAM	12	7	21.05	21.39	21.36		
5	64QAM	12	13	21.06	21.27	21.43		
5	64QAM	25	0	21.30	21.25	21.19		
5	256QAM	1	0	19.58	19.51	19.46	20.5	5
5	256QAM	1	12	19.26	19.15	19.47		
5	256QAM	1	24	19.50	19.55	19.30		
5	256QAM	12	0	19.42	19.46	19.27	20.5	5
5	256QAM	12	7	19.06	19.44	19.32		
5	256QAM	12	13	19.39	19.54	19.42		
5	256QAM	25	0	19.36	19.31	19.23		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.05	24.46	24.18	25.5	0
3	QPSK	1	8	24.00	24.34	24.19		
3	QPSK	1	14	24.09	24.28	24.30		
3	QPSK	8	0	23.49	23.46	23.47	24.5	1
3	QPSK	8	4	23.23	23.44	23.16		
3	QPSK	8	7	23.11	23.28	23.32		
3	QPSK	15	0	23.27	23.45	23.45		
3	16QAM	1	0	23.38	23.37	23.62	24.5	1
3	16QAM	1	8	23.40	23.31	23.49		
3	16QAM	1	14	23.49	23.49	23.17		
3	16QAM	8	0	22.54	22.39	22.30	23.5	2
3	16QAM	8	4	22.64	22.46	22.35		
3	16QAM	8	7	22.27	22.31	22.42		
3	16QAM	15	0	22.28	22.40	22.28		
3	64QAM	1	0	22.63	22.69	22.22	23.5	2
3	64QAM	1	8	22.32	22.61	22.35		
3	64QAM	1	14	22.37	22.42	22.34		
3	64QAM	8	0	21.32	21.40	21.47	22.5	3
3	64QAM	8	4	21.03	21.49	21.21		
3	64QAM	8	7	21.06	21.43	21.51		
3	64QAM	15	0	21.34	21.29	21.12		
3	256QAM	1	0	19.44	19.54	19.45	20.5	5
3	256QAM	1	8	19.24	19.19	19.52		
3	256QAM	1	14	19.35	19.46	19.41		
3	256QAM	8	0	19.50	19.35	19.13	20.5	5
3	256QAM	8	4	19.23	19.35	19.42		
3	256QAM	8	7	19.21	19.58	19.26		
3	256QAM	15	0	19.24	19.52	19.20		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.22	24.27	23.99	25.5	0
1.4	QPSK	1	3	24.17	24.33	23.95		
1.4	QPSK	1	5	23.92	24.29	24.06		
1.4	QPSK	3	0	23.98	24.32	24.03		
1.4	QPSK	3	1	24.13	24.19	23.99		
1.4	QPSK	3	3	23.97	24.13	23.88		
1.4	QPSK	6	0	23.37	23.30	23.12	24.5	1
1.4	16QAM	1	0	23.27	23.45	23.20	24.5	1
1.4	16QAM	1	3	23.10	23.23	23.24		
1.4	16QAM	1	5	23.54	23.45	23.25		
1.4	16QAM	3	0	23.16	23.23	22.93		
1.4	16QAM	3	1	22.98	23.20	23.00		
1.4	16QAM	3	3	23.11	23.39	23.12		
1.4	16QAM	6	0	22.24	22.10	22.01	23.5	2
1.4	64QAM	1	0	22.28	22.41	22.28	23.5	2
1.4	64QAM	1	3	22.15	22.32	22.07		
1.4	64QAM	1	5	22.19	22.32	22.11		
1.4	64QAM	3	0	22.04	22.33	22.12		
1.4	64QAM	3	1	22.04	22.44	22.01		
1.4	64QAM	3	3	22.09	22.16	22.01		
1.4	64QAM	6	0	21.02	21.30	20.86	22.5	3
1.4	256QAM	1	0	19.37	19.44	19.34	20.5	5
1.4	256QAM	1	3	19.13	19.29	19.35		
1.4	256QAM	1	5	19.53	19.21	19.25		
1.4	256QAM	3	0	19.07	19.28	19.27		
1.4	256QAM	3	1	19.18	19.34	19.34		
1.4	256QAM	3	3	19.23	19.33	19.12		
1.4	256QAM	6	0	18.77	19.09	19.20	20.5	5

Band 7 Other PA Ant1 ECI4

BW [MHz]	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	24.57	24.94	24.63	25.7	0
20	QPSK	1	49	24.44	24.91	24.56		
20	QPSK	1	99	24.63	24.68	24.65		
20	QPSK	50	0	23.72	23.86	23.71	24.7	1
20	QPSK	50	24	23.72	23.71	23.56		
20	QPSK	50	50	23.45	23.50	23.66		
20	QPSK	100	0	23.78	23.93	23.69		
20	16QAM	1	0	23.67	23.75	23.86	24.7	1
20	16QAM	1	49	23.75	23.73	23.80		
20	16QAM	1	99	23.94	23.99	23.55		
20	16QAM	50	0	22.90	22.98	22.76	23.7	2
20	16QAM	50	24	22.92	23.04	22.69		
20	16QAM	50	50	22.65	22.76	22.78		
20	16QAM	100	0	22.71	22.69	22.54		
20	64QAM	1	0	23.03	23.05	22.63	23.7	2
20	64QAM	1	49	22.72	22.98	22.84		
20	64QAM	1	99	22.91	22.84	22.64		
20	64QAM	50	0	21.66	21.92	21.99	22.7	3
20	64QAM	50	24	21.60	21.87	21.78		
20	64QAM	50	50	21.56	21.81	21.95		
20	64QAM	100	0	21.73	21.52	21.55		
20	256QAM	1	0	19.93	19.82	19.96	20.7	5
20	256QAM	1	49	19.70	19.59	19.74		
20	256QAM	1	99	19.89	19.80	19.69		
20	256QAM	50	0	19.75	19.84	19.57	20.7	5
20	256QAM	50	24	19.53	19.95	19.78		
20	256QAM	50	50	19.75	19.92	19.80		
20	256QAM	100	0	19.71	19.79	19.59		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.45	24.80	24.49	25.7	0
15	QPSK	1	37	24.55	24.90	24.61		
15	QPSK	1	74	24.58	24.63	24.74		
15	QPSK	36	0	23.82	23.79	23.71	24.7	1
15	QPSK	36	20	23.60	23.82	23.76		
15	QPSK	36	39	23.43	23.67	23.75		
15	QPSK	75	0	23.89	23.92	23.66		
15	16QAM	1	0	23.79	23.86	23.91	24.7	1
15	16QAM	1	37	23.87	23.85	23.84		
15	16QAM	1	74	23.90	23.95	23.66		
15	16QAM	36	0	22.92	23.00	22.78	23.7	2
15	16QAM	36	20	23.06	22.99	22.67		
15	16QAM	36	39	22.83	22.77	22.60		
15	16QAM	75	0	22.67	22.84	22.49		
15	64QAM	1	0	23.10	22.99	22.71	23.7	2
15	64QAM	1	37	22.66	22.97	22.81		
15	64QAM	1	74	22.84	22.75	22.66		
15	64QAM	36	0	21.64	21.82	21.87	22.7	3
15	64QAM	36	20	21.45	21.89	21.68		
15	64QAM	36	39	21.53	21.86	21.91		
15	64QAM	75	0	21.66	21.54	21.39		
15	256QAM	1	0	19.87	19.86	19.83	20.7	5
15	256QAM	1	37	19.68	19.63	19.90		
15	256QAM	1	74	19.77	19.73	19.83		
15	256QAM	36	0	19.71	19.87	19.54	20.7	5
15	256QAM	36	20	19.45	19.79	19.70		
15	256QAM	36	39	19.68	19.94	19.80		
15	256QAM	75	0	19.65	19.81	19.62		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.47	24.76	24.60	25.7	0
10	QPSK	1	25	24.26	24.70	24.49		
10	QPSK	1	49	24.53	24.53	24.57		
10	QPSK	25	0	23.80	23.84	23.61	24.7	1
10	QPSK	25	12	23.54	23.51	23.61		
10	QPSK	25	25	23.43	23.39	23.67		
10	QPSK	50	0	23.73	23.71	23.66		
10	16QAM	1	0	23.71	23.85	23.86	24.7	1
10	16QAM	1	25	23.73	23.75	23.71		
10	16QAM	1

Band 38 Other PA Ant1 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	25.01	25.07	25.02	25.7	0
20	QPSK	1	49	24.97	25.06	24.93		
20	QPSK	1	99	24.95	24.90	24.81		
20	QPSK	50	0	23.71	24.02	23.81	24.7	1
20	QPSK	50	24	23.90	23.81	23.83		
20	QPSK	50	50	23.77	23.85	23.99		
20	QPSK	100	0	24.01	24.12	24.06		
20	16QAM	1	0	24.03	24.07	24.04	24.7	1
20	16QAM	1	49	23.94	24.09	23.94		
20	16QAM	1	99	23.96	23.94	23.86		
20	16QAM	50	0	22.97	23.03	23.01	23.7	2
20	16QAM	50	24	22.79	22.99	22.87		
20	16QAM	50	50	22.76	22.84	22.79		
20	16QAM	100	0	22.82	22.84	22.82		
20	64QAM	1	0	22.92	23.03	22.91	23.7	2
20	64QAM	1	49	22.71	22.84	22.93		
20	64QAM	1	99	22.73	22.93	22.90		
20	64QAM	50	0	21.96	22.01	21.86	22.7	3
20	64QAM	50	24	21.75	21.98	21.70		
20	64QAM	50	50	21.90	21.98	21.73		
20	64QAM	100	0	21.92	21.96	21.74		
20	256QAM	1	0	20.03	20.23	20.12	20.7	5
20	256QAM	1	49	19.84	20.04	20.09		
20	256QAM	1	99	20.00	20.04	19.97		
20	256QAM	50	0	20.09	20.27	20.21	20.7	5
20	256QAM	50	24	19.88	20.20	20.01		
20	256QAM	50	50	19.97	20.06	20.15		
20	256QAM	100	0	20.04	20.18	20.16		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	24.80	24.97	24.92	25.7	0
15	QPSK	1	37	24.95	24.90	24.90		
15	QPSK	1	74	24.93	24.81	24.60		
15	QPSK	36	0	23.70	23.94	23.60	24.7	1
15	QPSK	36	20	23.82	23.70	23.72		
15	QPSK	36	39	23.73	23.81	23.95		
15	QPSK	75	0	23.87	23.98	23.87		
15	16QAM	1	0	23.84	23.96	24.02	24.7	1
15	16QAM	1	37	23.86	24.04	23.81		
15	16QAM	1	74	23.77	23.90	23.73		
15	16QAM	36	0	22.94	22.82	22.95	23.7	2
15	16QAM	36	20	22.67	23.00	22.78		
15	16QAM	36	39	22.63	22.81	22.77		
15	16QAM	75	0	22.69	22.75	22.69		
15	64QAM	1	0	22.91	22.94	22.72	23.7	2
15	64QAM	1	37	22.54	22.65	22.71		
15	64QAM	1	74	22.69	22.77	22.71		
15	64QAM	36	0	21.80	22.01	21.64	22.7	3
15	64QAM	36	20	21.66	21.96	21.54		
15	64QAM	36	39	21.70	21.77	21.53		
15	64QAM	75	0	21.81	21.87	21.55		
15	256QAM	1	0	19.88	20.20	19.96	20.7	5
15	256QAM	1	37	19.70	19.99	19.88		
15	256QAM	1	74	19.95	19.92	19.80		
15	256QAM	36	0	19.91	20.11	20.18	20.7	5
15	256QAM	36	20	19.89	20.01	19.97		
15	256QAM	36	39	19.96	19.95	19.98		
15	256QAM	75	0	19.95	20.07	19.97		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	25.02	24.89	24.87	25.7	0
10	QPSK	1	25	24.91	25.04	24.89		
10	QPSK	1	49	24.85	24.77	24.67		
10	QPSK	25	0	23.63	23.89	23.63	24.7	1
10	QPSK	25	12	23.78	23.74	23.67		
10	QPSK	25	25	23.79	23.68	23.83		
10	QPSK	50	0	23.82	24.09	23.88		
10	16QAM	1	0	23.81	24.05	23.95	24.7	1
10	16QAM	1	25	23.79	23.98	23.80		
10	16QAM	1	49	23.87	23.78	23.71		
10	16QAM	25	0	22.96	22.89	22.83	23.7	2
10	16QAM	25	12	22.66	22.86	22.79		
10	16QAM	25	25	22.62	22.63	22.80		
10	16QAM	50	0	22.64	22.86	22.77		
10	64QAM	1	0	22.90	22.93	22.79	23.7	2
10	64QAM	1	25	22.68	22.81	22.73		
10	64QAM	1	49	22.55	22.92	22.90		
10	64QAM	25	0	21.84	21.90	21.85	22.7	3
10	64QAM	25	12	21.54	21.83	21.62		
10	64QAM	25	25	21.81	21.78	21.59		
10	64QAM	50	0	21.85	21.76	21.72		
10	256QAM	1	0	19.86	20.25	20.13	20.7	5
10	256QAM	1	25	19.81	19.96	20.00		
10	256QAM	1	49	20.00	19.83	19.87		
10	256QAM	25	0	19.89	20.28	20.04	20.7	5
10	256QAM	25	12	19.86	20.21	20.00		
10	256QAM	25	25	19.92	19.99	20.10		
10	256QAM	50	0	20.02	20.10	20.01		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.90	24.90	24.85	25.7	0
5	QPSK	1	12	24.96	24.95	24.78		
5	QPSK	1	24	24.90	24.89	24.59		
5	QPSK	12	0	23.50	23.83	23.67	24.7	1
5	QPSK	12	7	23.73	23.78	23.83		
5	QPSK	12	13	23.78	23.83	23.78		
5	QPSK	25	0	23.81	23.98	23.89		
5	16QAM	1	0	24.03	24.07	24.00	24.7	1
5	16QAM	1	12	23.89	23.92	23.81		
5	16QAM	1	24	23.78	23.84	23.65		
5	16QAM	12	0	22.76	22.94	22.88	23.7	2
5	16QAM	12	7	22.60	22.88	22.87		
5	16QAM	12	13	22.59	22.86	22.68		
5	16QAM	25	0	22.73	22.65	22.68		
5	64QAM	1	0	22.77	23.04	22.87	23.7	2
5	64QAM	1	12	22.70	22.65	22.73		
5	64QAM	1	24	22.57	22.89	22.85		
5	64QAM	12	0	21.84	21.93	21.67	22.7	3
5	64QAM	12	7	21.58	21.91	21.69		
5	64QAM	12	13	21.84	21.84	21.59		
5	64QAM	25	0	21.81	21.77	21.71		
5	256QAM	1	0	19.94	20.06	20.08	20.7	5
5	256QAM	1	12	19.64	19.89	19.94		
5	256QAM	1	24	19.98	19.88	19.88		
5	256QAM	12	0	19.93	20.25	20.13	20.7	5
5	256QAM	12	7	19.82	20.08	19.89		
5	256QAM	12	13	19.84	19.93	20.03		
5	256QAM	25	0	19.85	20.17	20.00		

Band 41 Other PA Ant1 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	24.91	24.96	24.99	24.97	24.73	25.7	0
20	QPSK	1	49	24.79	24.75	24.63	24.78	24.80		
20	QPSK	1	99	24.76	24.87	24.80	24.75	24.66		
20	QPSK	50	0	23.82	23.79	23.91	23.72	23.84	24.7	1
20	QPSK	50	24	23.87	23.45	23.75	23.67	23.59		
20	QPSK	50	50	23.81	23.76	23.78	23.88	23.65		
20	QPSK	100	0	23.71	23.78	23.80	23.71	23.71		
20	16QAM	1	0	23.74	23.87	23.93	23.63	23.55	24.7	1
20	16QAM	1	49	23.68	23.64	23.72	23.77	23.53		
20	16QAM	1	99	23.77	23.75	23.71	23.66	23.52		
20	16QAM	50	0	22.74	22.82	22.82	22.89	22.78	23.7	2
20	16QAM	50	24	22.76	22.64	22.95	22.58	22.66		
20	16QAM	50	50	22.64	22.55	22.70	22.73	22.74		
20	16QAM	100	0	22.52	22.55	22.68	22.83	22.64		
20	64QAM	1	0	22.77	22.96	22.79	22.83	22.83	23.7	2
20	64QAM	1	49	22.65	22.84	22.90	22.52	22.56		
20	64QAM	1	99	22.79	22.83	22.81	22.70	22.77		
20	64QAM	50	0	21.85	21.73	21.80	21.83	21.81	22.7	3
20	64QAM	50	24	21.92	21.73	21.80	21.77	21.68		
20	64QAM	50	50	21.86	21.85	21.69	21.66	21.45		
20	64QAM	100	0	21.59	21.56	21.72	21.48	21.57		
20	256QAM	1	0	19.76	20.02	19.83	19.91	19.75	20.7	5
20	256QAM	1	49	19.65	19.81	19.80	19.81	19.89		
20	256QAM	1	99	19.64	19.79	19.82	19.87	19.66		
20	256QAM	50	0	19.84	19.70	19.84	20.00	19.77	20.7	5
20	256QAM	50	24	19.79	19.50	19.70	19.65	19.63		
20	256QAM	50	50	19.64	19.63	19.97	19.83	19.87		
20	256QAM	100	0	19.72	19.61	19.89	19.74	19.67		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.79	24.86	24.80	24.71	24.68	26	0
15	QPSK	1	37	24.80	24.63	24.64	24.58	24.60		
15	QPSK	1	74	24.65	24.67	24.84	24.87	24.54		
15	QPSK	36	0	23.80	23.70	23.89	23.71	23.88	24.7	1
15	QPSK	36	20	23.72	23.50	23.61	23.64	23.60		
15	QPSK	36	39	23.75	23.63	23.89	23.66	23.74		
15	QPSK	75	0	23.63	23.88	23.88	23.77	23.72		
15	16QAM	1	0	23.61	23.70	23.75	23.45	23.58	24.7	1
15	16QAM	1	37	23.62	23.59	23.69	23.76	23.48		
15	16QAM	1	74	23.79	23.49	23.67	23.74	23.67		
15	16QAM	36	0	22.76	22.76	22.70	22.69	22.69	23.7	2
15	16QAM	36	20	22.71	22.50	22.67	22.62	22.50		
15	16QAM	36	39	22.42	22.54	22.59	22.61	22.61		
15	16QAM	75	0	22.42	22.61	22.68	22.62	22.49		
15	64QAM	1	0	22.68	22.79	22.84	22.71	22.68	23.7	2
15	64QAM	1	37	22.45	22.74	22.84	22.65	22.50		
15	64QAM	1	74	22.79	22.65	22.93	22.67	22.57		
15	64QAM	36	0	21.74	21.87	21.95	21.68	21.66	22.7	3
15	64QAM	36	20	21.86	21.57	21.66	21.60	21.69		
15	64QAM	36	39	21.73	21.79	21.76	21.49	21.46		
15	64QAM	75	0	21.41	21.47	21.55	21.49	21.44		
15	256QAM	1	0	19.71	19.77	19.90	19.77	19.79	20.7	5
15	256QAM	1	37	19.68	19.85	19.58	19.77	19.94		
15	256QAM	1	74	19.63	19.64	19.82	19.77	19.64		
15	256QAM	36	0	19.89	19.74	19.84	19.74	19.76	20.7	5
15	256QAM	36	20	19.52	19.63	19.78	19.77	19.59		
15	256QAM	36	39	19.56	19.52	19.88	19.81	19.82		
15	256QAM	75	0	19.48	19.61	19.91	19.74	19.66		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	24.72	24.87	24.74	24.73	24.85	26	0
10	QPSK	1	25	24.78	24.66	24.76	24.73	24.67		
10	QPSK	1	49	24.74	24.83	24.68	24.82	24.63		
10	QPSK	25	0	23.92	23.78	23.89	23.73	23.70	24.7	1
10	QPSK	25	12	23.76	23.46	23.65	23.63	23.59		
10	QPSK	25	25	23.72	23.78	23.83	23.70	23.62		
10	QPSK	50	0	23.61	23.75	23.89	23.66	23.64		
10	16QAM	1	0	23.63	23.74	23.79	23.44	23.58	24.7	1
10	16QAM	1	25	23.52	23.67	23.55	23.63	23.60		
10	16QAM	1	49	23.75	23.70	23.65	23.67	23.64		
10	16QAM	25	0	22.79	22.80	22.89	22.70	22.67	23.7	2
10	16QAM	25	12	22.69	22.66	22.83	22.56	22.70		
10	16QAM	25	25	22.61	22.63	22.64	22.58	22.72		
10	16QAM	50	0	22.42	22.62	22.54	22.47	22.51		
10	64QAM	1	0	22.74	22.80	22.78	22.86	22.74	23.7	2
10	64QAM	1	25	22.51	22.62	22.85	22.56	22.65		
10	64QAM	1	49	22.75	22.71	22.76	22.62	22.62		
10	64QAM	25	0	21.95	21.69	21.72	21.72	21.63	22.7	3
10	64QAM	25	12	21.83	21.78	21.54	21.62	21.62		
10	64QAM	25	25	21.72	21.72	21.69	21.66	21.46		
10	64QAM	50	0	21.43	21.58	21.56	21.49	21.49		
10	256QAM	1	0	19.80	19.90	19.94	19.90	19.82	20.7	5
10	256QAM	1	25	19.76	19.78	19.58	19.63	19.63		
10	256QAM	1	49	19.57	19.58	19.76	19.84	19.67		
10	256QAM	25	0	19.71	19.79	19.80	19.75	19.74	20.7	5
10	256QAM	25	12	19.55	19.54	19.62	19.68	19.49		
10	256QAM	25	25	19.69	19.62	19.91	19.76	19.88		
10	256QAM	50	0	19.50	19.62	19.94	19.68	19.70		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	24.86	24.86	24.94	24.71	24.62	26	0
5	QPSK	1	12	24.65	24.82	24.60	24.60	24.51		
5	QPSK	1	24	24.73	24.69	24.74	24.72	24.56		
5	QPSK	12	0	23.87	23.75	23.88	23.83	23.73	24.7	1
5	QPSK	12	7	23.90	23.47	23.72	23.50	23.59		
5	QPSK	12	13	23.85	23.73	23.77	23.81	23.58		
5	QPSK	25	0	23.77	23.89	23.92	23.80	23.67		
5	16QAM	1	0	23.65	23.75	23.75	23.50	23.58	24.7	1
5	16QAM	1	12	23.52	23.71	23.56	23.78	23.49		
5	16QAM	1	24	23.66	23.66	23.58	23.59	23.52		
5	16QAM	12	0	22.80	22.84	22.88	22.63	22.65	23.7	2
5	16QAM	12	7	22.72	22.69	22.69	22.52	22.71		
5	16QAM	12	13	22.50	22.64	22.77	22.57	22.63		
5	16QAM	25	0	22.41	22.51	22.65	22.52	22.62		
5	64QAM	1	0	22.81	22.88	22.77	22.73	22.73	23.7	2
5	64QAM	1	12	22.55	22.63	22.77	22.63	22.54		
5	64QAM	1	24	22.57	22.62	22.84	22.74	22.70		
5	64QAM	12	0	21.76	21.82	21.94	21.80	21.83	22.7	3
5	64QAM	12	7	21.90	21.69	21.53	21.61	21.76		
5	64QAM	12	13	21.73	21.57	21.65	21.45	21.61		
5	64QAM	25	0	21.62	21.53	21.57	21.45	21.56		
5	256QAM	1	0	19.80	19.86	19.90	19.77	19.68	20.7	5
5	256QAM	1	12	19.76	19.65	19.56	19.78	19.82		
5	256QAM	1	24	19.55	19.51	19.88	19.77	19.49		
5	256QAM	12	0	19.80	19.71	19.92	19.77	19.71	20.7	5
5	256QAM	12	7	19.53	19.43	19.76	19.64	19.58		
5	256QAM	12	13	19.74	19.47	19.88	19.86	19.68		
5	256QAM	25	0	19.61	19.41	19.87	19.84	19.65		

Band 2 Other PA Ant2 ECI4

BW [MHz]	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	24.63	24.77	24.67	25.5	0
20	QPSK	1	49	24.53	24.63	24.55		
20	QPSK	1	99	24.58	24.63	24.54		
20	QPSK	50	0	23.38	23.70	23.51	24.5	1
20	QPSK	50	24	23.64	23.37	23.62		
20	QPSK	50	50	23.41	23.56	23.63		
20	QPSK	100	0	23.58	23.77	23.75		
20	16QAM	1	0	23.69	23.73	23.63	24.5	1
20	16QAM	1	49	23.61	23.86	23.60		
20	16QAM	1	99	23.57	23.51	23.54		
20	16QAM	50	0	22.56	22.60	22.67	23.5	2
20	16QAM	50	24	22.35	22.78	22.57		
20	16QAM	50	50	22.51	22.62	22.59		
20	16QAM	100	0	22.59	22.45	22.61		
20	64QAM	1	0	22.52	22.80	22.62	23.5	2
20	64QAM	1	49	22.37	22.47	22.63		
20	64QAM	1	99	22.31	22.68	22.64		
20	64QAM	50	0	21.68	21.67	21.65	22.5	3
20	64QAM	50	24	21.37	21.69	21.37		
20	64QAM	50	50	21.69	21.68	21.49		
20	64QAM	100	0	21.64	21.59	21.45		
20	256QAM	1	0	19.75	19.99	19.87	20.5	5
20	256QAM	1	49	19.56	19.74	19.87		
20	256QAM	1	99	19.67	19.60	19.69		
20	256QAM	50	0	19.86	20.02	19.87	20.5	5
20	256QAM	50	24	19.53	19.81	19.63		
20	256QAM	50	50	19.57	19.80	19.92		
20	256QAM	100	0	19.79	19.98	19.85		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	24.62	24.74	24.55	25.5	0
15	QPSK	1	37	24.55	24.60	24.48		
15	QPSK	1	74	24.69	24.48	24.43		
15	QPSK	36	0	23.31	23.54	23.34	24.5	1
15	QPSK	36	20	23.56	23.39	23.41		
15	QPSK	36	39	23.47	23.39	23.56		
15	QPSK	75	0	23.75	23.85	23.81		
15	16QAM	1	0	23.63	23.68	23.71	24.5	1
15	16QAM	1	37	23.54	23.67	23.65		
15	16QAM	1	74	23.54	23.59	23.48		
15	16QAM	36	0	22.61	22.72	22.60	23.5	2
15	16QAM	36	20	22.47	22.70	22.58		
15	16QAM	36	39	22.45	22.51	22.36		
15	16QAM	75	0	22.36	22.59	22.43		
15	64QAM	1	0	22.52	22.79	22.61	23.5	2
15	64QAM	1	37	22.36	22.39	22.59		
15	64QAM	1	74	22.46	22.47	22.58		
15	64QAM	36	0	21.56	21.55	21.49	22.5	3
15	64QAM	36	20	21.46	21.70	21.24		
15	64QAM	36	39	21.55	21.60	21.27		
15	64QAM	75	0	21.51	21.61	21.36		
15	256QAM	1	0	19.62	19.77	19.81	20.5	5
15	256QAM	1	37	19.39	19.78	19.74		
15	256QAM	1	74	19.58	19.63	19.60		
15	256QAM	36	0	19.66	19.99	19.94	20.5	5
15	256QAM	36	20	19.55	19.76	19.63		
15	256QAM	36	39	19.60	19.75	19.90		
15	256QAM	75	0	19.62	19.88	19.72		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	24.61	24.67	24.74	25.5	0
10	QPSK	1	25	24.60	24.67	24.61		
10	QPSK	1	49	24.54	24.57	24.46		
10	QPSK	25	0	23.24	23.66	23.42	24.5	1
10	QPSK	25	12	23.47	23.38	23.38		
10	QPSK	25	25	23.48	23.48	23.57		
10	QPSK	50	0	23.67	23.82	23.79		
10	16QAM	1	0	23.67	23.76	23.68	24.5	1
10	16QAM	1	25	23.66	23.76	23.57		
10	16QAM	1	49	23.59	23.57	23.59		
10	16QAM	25	0	22.62	22.61	22.75	23.5	2
10	16QAM	25	12	22.49	22.54	22.54		
10	16QAM	25	25	22.38	22.50	22.42		
10	16QAM	50	0	22.54	22.50	22.50		
10	64QAM	1	0	22.45	22.60	22.57	23.5	2
10	64QAM	1	25	22.32	22.44	22.58		
10	64QAM	1	49	22.33	22.48	22.46		
10	64QAM	25	0	21.66	21.73	21.41	22.5	3
10	64QAM	25	12	21.30	21.51	21.41		
10	64QAM	25	25	21.44	21.58	21.38		
10	64QAM	50	0	21.59	21.64	21.30		
10	256QAM	1	0	19.73	19.94	19.78	20.5	5
10	256QAM	1	25	19.57	19.77	19.75		
10	256QAM	1	49	19.59	19.75	19.53		
10	256QAM	25	0	19.67	19.91	19.91	20.5	5
10	256QAM	25	12	19.56	19.93	19.64		
10	256QAM	25	25	19.70	19.74	19.68		
10	256QAM	50	0	19.60	19.74	19.91		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	24.62	24.70	24.67	25.5	0
5	QPSK	1	12	24.67	24.62	24.49		
5	QPSK	1	24	24.66	24.56	24.52		
5	QPSK	12	0	23.34	23.57	23.47	24.5	1
5	QPSK	12	7	23.51	23.41	23.55		
5	QPSK	12	13	23.51	23.52	23.59		
5	QPSK	25	0	23.62	23.66	23.75		
5	16QAM	1	0	23.62	23.60	23.69	24.5	1
5	16QAM	1	12	23.47	23.84	23.59		
5	16QAM	1	24	23.73	23.69	23.45		
5	16QAM	12	0	22.63	22.77	22.61	23.5	2
5	16QAM	12	7	22.52	22.53	22.46		
5	16QAM	12	13	22.29	22.53	22.40		
5	16QAM	25	0	22.47	22.49	22.40		
5	64QAM	1	0	22.63	22.76	22.52	23.5	2
5	64QAM	1	12	22.46	22.60	22.50		
5	64QAM	1	24	22.44	22.65	22.63		
5	64QAM	12	0	21.62	21.71	21.51	22.5	3
5	64QAM	12	7	21.37	21.73	21.28		
5	64QAM	12	13	21.43	21.72	21.42		
5	64QAM	25	0	21.60	21.64	21.33		
5	256QAM	1	0	19.73	19.90	19.83	20.5	5
5	256QAM	1	12	19.58	19.63	19.78		
5	256QAM	1	24	19.70	19.78	19.52		
5	256QAM	12	0	19.75	19.90	19.79	20.5	5
5	256QAM	12	7	19.64	19.83	19.62		
5	256QAM	12	13	19.56	19.78	19.90		
5	256QAM	25	0	19.61	19.75	19.85		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	24.71	24.73	24.71	25.5	0
3	QPSK	1	8	24.57	24.68	24.68		
3	QPSK	1	14	24.67	24.47	24.41		
3	QPSK	8	0	23.44	23.65	23.55	24.5	1
3	QPSK	8	4	23.43	23.36	23.49		
3	QPSK	8	7	23.51	23.54	23.62		
3	QPSK	15	0	23.63	23.83	23.68		
3	16QAM	1	0	23.57	23.76	23.64	24.5	1
3	16QAM	1	8	23.66	23.79	23.55		
3	16QAM	1	14	23.72	23.67	23.39		
3	16QAM	8	0	22.72	22.58	22.65	23.5	2
3	16QAM	8	4	22.31	22.69	22.53		
3	16QAM	8	7	22.50	22.51	22.43		
3	16QAM	15	0	22.34	22.49	22.52		
3	64QAM	1	0	22.44	22.70	22.48	23.5	2
3	64QAM	1	8	22.41	22.56	22.64		
3	64QAM	1	14	22.37	22.46	22.54		
3	64QAM	8	0	21.54	21.73	21.61	22.5	3
3	64QAM	8	4	21.29	21.61	21.30		
3	64QAM	8	7	21.47	21.52	21.25		
3	64QAM	15	0	21.45	21.65	21.47		
3	256QAM	1	0	19.72	19.83	19.69	20.5	5
3	256QAM	1	8	19.54	19.67	19.68		
3	256QAM	1	14	19.68	19.78	19.61		
3	256QAM	8	0	19.78	19.84	19.77	20.5	5
3	256QAM	8	4	19.63	19.96	19.55		
3	256QAM	8	7	19.52	19.78	19.69		
3	256QAM	15	0	19.73	19.83	19.90		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	24.64	24.60	24.68	25.5	0
1.4	QPSK	1	3	24.65	24.58	24.63		
1.4	QPSK	1	5	24.61	24.49	24.54		
1.4	QPSK	3	0	24.54	24.43	24.52		
1.4	QPSK	3	1	24.43	24.41	24.51		
1.4	QPSK	3	3	24.52	24.49	24.50		
1.4	QPSK	6	0	23.76	23.65	23.63	24.5	1
1.4	16QAM	1	0	23.74	23.75	23.73	24.5	1
1.4	16QAM	1	3	23.58	23.75	23.63		
1.4	16QAM	1	5	23.64	23.52	23.44		
1.4	16QAM	3	0	23.63	23.68	23.68		
1.4	16QAM	3	1	23.54	23.59	23.58		
1.4	16QAM	3	3	23.47	23.36	23.26		
1.4	16QAM	6	0	22.58	22.59	22.36	23.5	2
1.4	64QAM	1	0	22.64	22.72	22.44	23.5	2
1.4	64QAM	1	3	22.24	22.44	22.49		
1.4	64QAM	1	5	22.29	22.53	22.48		
1.4	64QAM	3	0	22.59	22.55	22.35		
1.4	64QAM	3	1	22.28	22.44	22.52		
1.4	64QAM	3	3	22.15	22.57	22.38		
1.4	64QAM	6	0	21.60	21.70	21.48	22.5	3
1.4	256QAM	1	0	19.64	19.92	19.77	20.5	5
1.4	256QAM	1	3	19.59	19.69	19.71		
1.4	256QAM	1	5	19.62	19.68	19.51		
1.4	256QAM	3	0	19.64	19.83	19.89		
1.4	256QAM	3	1	19.55	19.93	19.74		
1.4	256QAM	3	3	19.63	19.75	19.68		
1.4	256QAM	6	0	19.72	19.80	19.91	20.5	5

Band 7 Other PA Ant2 ECI4

BW [MHz]	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	24.87	25.09	24.90	25.7	0
20	QPSK	1	49	24.91	24.88	24.92		
20	QPSK	1	99	24.94	24.79	24.72		
20	QPSK	50	0	23.70	24.07	23.74	24.7	1
20	QPSK	50	24	23.77	23.76	23.68		
20	QPSK	50	50	23.79	23.71	24.02		
20	QPSK	100	0	23.93	24.08	23.89		
20	16QAM	1	0	24.03	23.92	23.96	24.7	1
20	16QAM	1	49	23.77	23.92	23.91		
20	16QAM	1	99	23.82	24.00	23.84		
20	16QAM	50	0	22.81	22.86	22.87	23.7	2
20	16QAM	50	24	22.70	22.98	22.86		
20	16QAM	50	50	22.65	22.76	22.81		
20	16QAM	100	0	22.82	22.72	22.71		
20	64QAM	1	0	22.94	23.08	22.89	23.7	2
20	64QAM	1	49	22.63	22.76	22.78		
20	64QAM	1	99	22.76	22.78	22.75		
20	64QAM	50	0	21.94	21.93	21.89	22.7	3
20	64QAM	50	24	21.69	21.92	21.68		
20	64QAM	50	50	21.85	21.90	21.72		
20	64QAM	100	0	21.81	21.97	21.82		
20	256QAM	1	0	20.09	20.25	20.15	20.7	5
20	256QAM	1	49	19.82	19.91	20.13		
20	256QAM	1	99	19.85	19.98	19.87		
20	256QAM	50	0	19.99	20.18	20.22	20.7	5
20	256QAM	50	24	19.83	20.24	20.03		
20	256QAM	50	50	19.81	19.95	20.11		
20	256QAM	100	0	19.94	20.22	20.06		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	24.96	24.84	24.77	25.7	0
15	QPSK	1	37	24.94	24.82	24.85		
15	QPSK	1	74	24.74	24.79	24.75		
15	QPSK	36	0	23.68	23.98	23.78	24.7	1
15	QPSK	36	20	23.84	23.70	23.80		
15	QPSK	36	39	23.60	23.63	23.97		
15	QPSK	75	0	23.99	23.98	23.83		
15	16QAM	1	0	23.86	23.98	23.88	24.7	1
15	16QAM	1	37	23.83	23.85	23.81		
15	16QAM	1	74	23.84	23.87	23.79		
15	16QAM	36	0	22.74	22.82	22.76	23.7	2
15	16QAM	36	20	22.77	22.94	22.74		
15	16QAM	36	39	22.70	22.78	22.75		
15	16QAM	75	0	22.65	22.70	22.79		
15	64QAM	1	0	22.74	22.84	22.67	23.7	2
15	64QAM	1	37	22.46	22.61	22.73		
15	64QAM	1	74	22.50	22.69	22.80		
15	64QAM	36	0	21.90	21.85	21.80	22.7	3
15	64QAM	36	20	21.53	21.91	21.56		
15	64QAM	36	39	21.78	21.79	21.56		
15	64QAM	75	0	21.68	21.82	21.54		
15	256QAM	1	0	19.95	20.05	19.99	20.7	5
15	256QAM	1	37	19.70	19.96	19.90		
15	256QAM	1	74	19.95	19.87	19.74		
15	256QAM	36	0	20.02	20.06	20.07	20.7	5
15	256QAM	36	20	19.65	20.15	19.86		
15	256QAM	36	39	19.93	19.85	19.93		
15	256QAM	75	0	19.98	20.10	20.09		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	24.84	24.95	24.94	25.7	0
10	QPSK	1	25	24.83	24.83	24.82		
10	QPSK	1	49	24.90	24.83	24.68		
10	QPSK	25	0	23.63	23.83	23.73	24.7	1
10	QPSK	25	12	23.83	23.61	23.58		
10	QPSK	25	25	23.57	23.65	23.83		
10	QPSK	50	0	23.96	23.91	23.85		
10	16QAM	1	0	23.94	23.99	23.85	24.7	1
10	16QAM	1	25	23.86	24.01	23.80		
10	16QAM	1	49	23.88	23.75	23.77		
10	16QAM	25	0	22.94	22.91	22.80	23.7	2
10	16QAM	25	12	22.71	22.88	22.81		
10	16QAM	25	25	22.68	22.81	22.68		
10	16QAM	50	0	22.69	22.81	22.69		
10	64QAM	1	0	22.72	22.87	22.71	23.7	2
10	64QAM	1	25	22.48	22.72	22.90		
10	64QAM	1	49	22.60	22.69	22.68		
10	64QAM	25	0	21.85	21.93	21.67	22.7	3
10	64QAM	25	12	21.58	21.92	21.56		
10	64QAM	25	25	21.87	21.96	21.58		
10	64QAM	50	0	21.80	21.76	21.72		
10	256QAM	1	0	19.84	20.14	20.07	20.7	5
10	256QAM	1	25	19.66	19.87	19.99		
10	256QAM	1	49	19.80	19.92	19.80		
10	256QAM	25	0	19.96	20.17	19.98	20.7	5
10	256QAM	25	12	19.74	20.00	19.88		
10	256QAM	25	25	19.72	19.83	20.13		
10	256QAM	50	0	19.94	20.15	20.12		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	24.91	24.87	24.84	25.7	0
5	QPSK	1	12	24.73	25.04	24.86		
5	QPSK	1	24	24.78	24.72	24.73		
5	QPSK	12	0	23.61	24.00	23.73	24.7	1
5	QPSK	12	7	23.83	23.74	23.62		
5	QPSK	12	13	23.52	23.72	23.76		
5	QPSK	25	0	23.86	23.97	23.91		
5	16QAM	1	0	23.79	24.04	23.80	24.7	1
5	16QAM	1	12	23.87	24.06	23.78		
5	16QAM	1	24	23.84	23.82	23.72		
5	16QAM	12	0	22.90	22.78	22.93	23.7	2
5	16QAM	12	7	22.62	22.78	22.83		
5	16QAM	12	13	22.59	22.70	22.60		
5	16QAM	25	0	22.67	22.69	22.62		
5	64QAM	1	0	22.83	22.95	22.69	23.7	2
5	64QAM	1	12	22.64	22.66	22.86		
5	64QAM	1	24	22.49	22.91	22.79		
5	64QAM	12	0	21.89	21.94	21.73	22.7	3
5	64QAM	12	7	21.67	21.85	21.50		
5	64QAM	12	13	21.68	21.88	21.67		
5	64QAM	25	0	21.74	21.80	21.60		
5	256QAM	1	0	19.91	20.09	19.92	20.7	5
5	256QAM	1	12	19.74	20.01	19.99		
5	256QAM	1	24	19.98	19.91	19.74		
5	256QAM	12	0	19.91	20.20	20.19	20.7	5
5	256QAM	12	7	19.74	20.09	19.76		
5	256QAM	12	13	19.89	19.85	20.06		
5	256QAM	25	0	19.82	20.08	20.04		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	25.08	25.22	25.20	25.7	0
20	QPSK	1	49	25.11	25.09	25.01		
20	QPSK	1	99	24.94	25.10	24.82		
20	QPSK	50	0	23.73	24.20	23.98	24.7	1
20	QPSK	50	24	24.12	23.80	23.96		
20	QPSK	50	50	23.81	23.97	24.10		
20	QPSK	100	0	24.15	24.21	24.16		
20	16QAM	1	0	24.02	24.17	24.13	24.7	1
20	16QAM	1	49	23.98	24.25	23.98		
20	16QAM	1	99	24.01	23.96	23.97		
20	16QAM	50	0	22.97	23.23	23.06	23.7	2
20	16QAM	50	24	22.78	23.03	22.88		
20	16QAM	50	50	22.83	23.00	22.83		
20	16QAM	100	0	23.00	22.83	23.00		
20	64QAM	1	0	22.93	23.12	22.92	23.7	2
20	64QAM	1	49	22.76	23.01	23.05		
20	64QAM	1	99	22.93	22.96	23.05		
20	64QAM	50	0	22.03	22.07	21.95	22.7	3
20	64QAM	50	24	21.73	22.15	21.84		
20	64QAM	50	50	21.95	22.12	21.85		
20	64QAM	100	0	21.91	22.05	21.76		
20	256QAM	1	0	20.19	20.36	20.20	20.7	5
20	256QAM	1	49	19.96	20.03	20.17		
20	256QAM	1	99	20.16	20.17	20.12		
20	256QAM	50	0	20.22	20.33	20.33	20.7	5
20	256QAM	50	24	19.98	20.23	20.11		
20	256QAM	50	50	20.11	20.14	20.34		
20	256QAM	100	0	20.06	20.16	20.17		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	25.06	25.06	25.08	25.7	0
15	QPSK	1	37	24.99	24.94	25.05		
15	QPSK	1	74	25.01	24.86	24.75		
15	QPSK	36	0	23.82	24.12	23.82	24.7	1
15	QPSK	36	20	23.96	23.84	23.82		
15	QPSK	36	39	23.78	23.78	24.00		
15	QPSK	75	0	23.94	24.06	24.04		
15	16QAM	1	0	24.01	24.02	24.09	24.7	1
15	16QAM	1	37	23.88	24.16	24.02		
15	16QAM	1	74	23.95	23.92	23.92		
15	16QAM	36	0	22.90	22.95	22.93	23.7	2
15	16QAM	36	20	22.84	22.89	22.97		
15	16QAM	36	39	22.88	22.87	22.71		
15	16QAM	75	0	22.76	22.78	22.92		
15	64QAM	1	0	23.00	22.92	23.01	23.7	2
15	64QAM	1	37	22.87	22.89	22.82		
15	64QAM	1	74	22.69	22.89	22.88		
15	64QAM	36	0	21.98	22.11	21.81	22.7	3
15	64QAM	36	20	21.75	21.92	21.68		
15	64QAM	36	39	21.94	21.91	21.75		
15	64QAM	75	0	22.03	21.96	21.79		
15	256QAM	1	0	20.04	20.14	20.03	20.7	5
15	256QAM	1	37	19.88	20.04	20.00		
15	256QAM	1	74	20.00	19.93	20.04		
15	256QAM	36	0	20.03	20.25	20.29	20.7	5
15	256QAM	36	20	19.89	20.24	20.08		
15	256QAM	36	39	19.87	20.02	20.03		
15	256QAM	75	0	20.09	20.27	20.25		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572	2595	2618		
10	QPSK	1	0	25.01	25.05	25.03	25.7	0
10	QPSK	1	25	24.88	24.96	24.85		
10	QPSK	1	49	25.00	24.95	24.77		
10	QPSK	25	0	23.75	24.08	23.72	24.7	1
10	QPSK	25	12	23.86	23.73	23.71		
10	QPSK	25	25	23.89	23.82	23.97		
10	QPSK	50	0	23.96	24.05	24.16		
10	16QAM	1	0	24.12	24.06	24.11	24.7	1
10	16QAM	1	25	24.01	24.16	24.06		
10	16QAM	1	49	24.01	23.86	23.94		
10	16QAM	25	0	22.93	23.08	23.06	23.7	2
10	16QAM	25	12	22.70	23.01	22.84		
10	16QAM	25	25	22.73	22.76	22.83		
10	16QAM	50	0	22.71	22.89	22.82		
10	64QAM	1	0	22.90	23.14	22.88	23.7	2
10	64QAM	1	25	22.64	22.86	22.93		
10	64QAM	1	49	22.76	22.99	22.78		
10	64QAM	25	0	21.94	22.12	21.87	22.7	3
10	64QAM	25	12	21.87	21.86	21.76		
10	64QAM	25	25	21.99	21.88	21.74		
10	64QAM	50	0	21.82	21.91	21.82		
10	256QAM	1	0	20.11	20.20	20.03	20.7	5
10	256QAM	1	25	19.74	19.98	20.15		
10	256QAM	1	49	20.07	20.14	20.03		
10	256QAM	25	0	20.04	20.32	20.26	20.7	5
10	256QAM	25	12	19.82	20.26	20.12		
10	256QAM	25	25	19.95	20.06	20.05		
10	256QAM	50	0	20.13	20.30	20.07		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	24.97	25.07	25.05	25.7	0
5	QPSK	1	12	24.87	25.03	24.89		
5	QPSK	1	24	24.92	24.97	24.73		
5	QPSK	12	0	23.66	24.10	23.92	24.7	1
5	QPSK	12	7	23.94	23.89	23.90		
5	QPSK	12	13	23.88	23.75	23.89		
5	QPSK	25	0	23.99	24.23	24.10		
5	16QAM	1	0	23.95	24.13	23.95	24.7	1
5	16QAM	1	12	23.88	24.08	23.85		
5	16QAM	1	24	23.94	23.93	23.83		
5	16QAM	12	0	23.06	22.94	22.95	23.7	2
5	16QAM	12	7	22.74	22.94	22.84		
5	16QAM	12	13	22.66	22.91	22.83		
5	16QAM	25	0	22.83	22.80	22.71		
5	64QAM	1	0	22.97	23.05	22.88	23.7	2
5	64QAM	1	12	22.80	22.73	22.99		
5	64QAM	1	24	22.63	23.04	22.85		
5	64QAM	12	0	22.03	22.01	21.78	22.7	3
5	64QAM	12	7	21.66	21.96	21.68		
5	64QAM	12	13	21.92	21.94	21.82		
5	64QAM	25	0	21.82	21.91	21.86		
5	256QAM	1	0	20.07	20.18	20.08	20.7	5
5	256QAM	1	12	19.79	19.97	20.01		
5	256QAM	1	24	20.05	20.05	19.94		
5	256QAM	12	0	20.16	20.25	20.12	20.7	5
5	256QAM	12	7	19.80	20.12	20.00		
5	256QAM	12	13	20.03	19.96	20.03		
5	256QAM	25	0	20.03	20.11	20.26		

Band 41 Other PA Ant2 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	25.08	25.13	25.17	25.12	25.05	25.7	0
20	QPSK	1	49	25.08	25.03	25.00	24.95	24.93		
20	QPSK	1	99	24.97	25.08	25.09	25.11	24.87		
20	QPSK	50	0	24.15	24.01	24.16	24.05	24.10	24.7	1
20	QPSK	50	24	24.14	23.82	23.95	23.87	23.95		
20	QPSK	50	50	24.12	24.06	24.09	24.01	23.99		
20	QPSK	100	0	24.02	24.11	24.13	24.01	23.97		
20	16QAM	1	0	23.91	24.03	24.12	23.85	23.82	24.7	1
20	16QAM	1	49	23.90	23.92	23.94	24.00	23.94		
20	16QAM	1	99	24.02	23.93	23.97	24.01	23.88		
20	16QAM	50	0	23.05	23.10	23.13	23.03	23.02	23.7	2
20	16QAM	50	24	22.96	22.89	23.11	22.90	22.91		
20	16QAM	50	50	22.82	22.92	22.97	22.92	22.97		
20	16QAM	100	0	22.81	22.91	22.96	22.89	22.91		
20	64QAM	1	0	23.10	23.11	23.14	23.09	23.06	23.7	2
20	64QAM	1	49	22.86	23.06	23.07	22.86	22.89		
20	64QAM	1	99	22.99	23.03	23.13	23.00	22.90		
20	64QAM	50	0	22.17	22.08	22.15	22.05	22.03	22.7	3
20	64QAM	50	24	22.16	21.98	21.95	22.01	21.99		
20	64QAM	50	50	22.03	22.00	21.97	21.87	21.82		
20	64QAM	100	0	21.85	21.82	21.95	21.85	21.80		
20	256QAM	1	0	20.12	20.16	20.18	20.20	20.08	20.7	5
20	256QAM	1	49	20.01	20.05	19.97	20.07	20.06		
20	256QAM	1	99	19.96	19.95	20.13	20.04	19.92		
20	256QAM	50	0	20.09	20.02	20.21	20.15	20.12	20.7	5
20	256QAM	50	24	19.96	19.86	20.04	20.00	19.92		
20	256QAM	50	50	19.96	19.86	20.11	20.07	20.12		
20	256QAM	100	0	19.87	19.84	20.15	20.06	20.03		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	24.90	25.12	24.95	24.97	24.83	26	0
15	QPSK	1	37	24.98	24.95	24.79	24.87	24.74		
15	QPSK	1	74	24.84	24.90	24.97	24.93	24.75		
15	QPSK	36	0	24.01	23.80	24.12	23.93	23.90	24.7	1
15	QPSK	36	20	24.05	23.80	23.88	23.73	23.81		
15	QPSK	36	39	23.94	23.84	24.01	23.95	23.96		
15	QPSK	75	0	23.81	23.91	24.02	23.95	23.86		
15	16QAM	1	0	23.91	23.99	23.88	23.75	23.77	24.7	1
15	16QAM	1	37	23.75	23.86	23.80	24.00	23.69		
15	16QAM	1	74	23.80	23.69	23.86	23.82	23.70		
15	16QAM	36	0	22.84	23.09	23.01	22.98	22.86	23.7	2
15	16QAM	36	20	22.74	22.86	23.10	22.84	22.70		
15	16QAM	36	39	22.76	22.82	22.95	22.68	22.78		
15	16QAM	75	0	22.62	22.78	22.85	22.88	22.79		
15	64QAM	1	0	22.96	23.05	23.01	23.07	23.04	23.7	2
15	64QAM	1	37	22.68	22.92	22.98	22.84	22.78		
15	64QAM	1	74	22.80	23.02	22.92	22.98	22.77		
15	64QAM	36	0	22.00	22.08	22.10	21.86	21.98	22.7	3
15	64QAM	36	20	21.92	21.91	21.82	21.94	21.85		
15	64QAM	36	39	21.95	21.95	21.93	21.77	21.68		
15	64QAM	75	0	21.73	21.80	21.77	21.79	21.75		
15	256QAM	1	0	20.08	20.07	19.99	20.07	20.01	20.7	5
15	256QAM	1	37	19.97	19.88	19.85	19.87	20.01		
15	256QAM	1	74	19.75	19.91	20.03	19.85	19.69		
15	256QAM	36	0	19.88	19.86	20.15	19.99	19.88	20.7	5
15	256QAM	36	20	19.73	19.67	19.99	19.93	19.75		
15	256QAM	36	39	19.86	19.74	19.98	19.87	20.03		
15	256QAM	75	0	19.64	19.80	20.02	20.02	20.02		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	25.02	25.06	25.07	25.10	24.91	26	0
10	QPSK	1	25	25.04	24.81	24.97	24.77	24.72		
10	QPSK	1	49	24.91	24.91	24.99	25.06	24.75		
10	QPSK	25	0	23.92	23.89	24.02	23.95	23.88	24.7	1
10	QPSK	25	12	23.93	23.81	23.78	23.65	23.84		
10	QPSK	25	25	24.01	23.83	24.07	23.98	23.82		
10	QPSK	50	0	23.82	23.99	24.03	24.01	23.92		
10	16QAM	1	0	23.73	23.80	24.12	23.64	23.73	24.7	1
10	16QAM	1	25	23.69	23.74	23.82	23.95	23.66		
10	16QAM	1	49	23.94	23.91	23.85	23.87	23.72		
10	16QAM	25	0	22.82	22.99	22.98	22.91	22.87	23.7	2
10	16QAM	25	12	22.86	22.88	23.04	22.74	22.87		
10	16QAM	25	25	22.81	22.87	22.77	22.75	22.83		
10	16QAM	50	0	22.79	22.82	22.95	22.76	22.88		
10	64QAM	1	0	22.91	22.94	23.09	22.90	22.97	23.7	2
10	64QAM	1	25	22.70	22.92	23.06	22.78	22.66		
10	64QAM	1	49	22.91	22.89	22.90	22.82	22.77		
10	64QAM	25	0	22.10	21.97	22.09	21.91	21.99	22.7	3
10	64QAM	25	12	22.04	21.95	21.87	21.98	21.85		
10	64QAM	25	25	21.82	21.80	21.77	21.85	21.74		
10	64QAM	50	0	21.80	21.78	21.76	21.85	21.57		
10	256QAM	1	0	20.09	20.03	20.15	20.05	19.92	20.7	5
10	256QAM	1	25	19.95	19.98	19.80	20.07	19.86		
10	256QAM	1	49	19.80	19.89	20.01	20.03	19.73		
10	256QAM	25	0	20.06	20.01	20.10	20.10	19.89	20.7	5
10	256QAM	25	12	19.86	19.63	19.81	19.77	19.69		
10	256QAM	25	25	19.81	19.72	20.08	19.86	19.97		
10	256QAM	50	0	19.87	19.80	20.08	20.01	19.90		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.3	2593	2640.30	2687.5		
5	QPSK	1	0	24.99	24.92	25.01	24.88	24.98	26	0
5	QPSK	1	12	25.03	24.79	24.83	24.90	24.76		
5	QPSK	1	24	24.93	25.07	25.06	24.96	24.82		
5	QPSK	12	0	23.93	23.89	24.08	23.90	24.08	24.7	1
5	QPSK	12	7	23.90	23.66	23.91	23.69	23.88		
5	QPSK	12	13	23.97	23.89	23.92	23.97	23.90		
5	QPSK	25	0	23.83	24.07	23.96	23.87	23.77		
5	16QAM	1	0	23.84	24.03	23.94	23.79	23.65	24.7	1
5	16QAM	1	12	23.79	23.79	23.93	23.93	23.70		
5	16QAM	1	24	23.84	23.81	23.81	23.84	23.85		
5	16QAM	12	0	23.00	22.94	22.92	22.98	22.89	23.7	2
5	16QAM	12	7	22.74	22.66	22.87	22.79	22.82		
5	16QAM	12	13	22.61	22.71	22.91	22.73	22.76		
5	16QAM	25	0	22.67	22.82	22.79	22.80	22.78		
5	64QAM	1	0	22.90	22.98	23.05	22.90	22.94	23.7	2
5	64QAM	1	12	22.79	23.03	22.93	22.83	22.89		
5	64QAM	1	24	22.90	23.02	23.03	22.88	22.71		
5	64QAM	12	0	22.13	22.03	22.04	21.87	21.96	22.7	3
5	64QAM	12	7	21.97	21.96	21.78	21.88	21.94		
5	64QAM	12	13	21.98	21.86	21.78	21.86	21.75		
5	64QAM	25	0	21.67	21.81	21.83	21.73	21.70		
5	256QAM	1	0	20.02	20.02	20.16	20.14	19.99	20.7	5
5	256QAM	1	12	19.89	19.86	19.97	20.06	19.88		
5	256QAM	1	24	19.88	19.73	19.90	20.01	19.88		
5	256QAM	12	0	19.86	19.82	20.04	19.94	19.96	20.7	5
5	256QAM	12	7	19.96	19.64	19.92	19.94	19.83		
5	256QAM	12	13	19.79	19.71	19.89	19.86	20.10		
5	256QAM	25	0	19.76	19.75	20.05	20.04	19.80		

Band 2 Other PA Ant4 ECI4

BW [MHz]	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	23.71	23.75	23.68	24.7	0
20	QPSK	1	49	23.65	23.63	23.59		
20	QPSK	1	99	23.58	23.70	23.64		
20	QPSK	50	0	23.70	23.74	23.62	24.7	0
20	QPSK	50	24	23.61	23.64	23.65		
20	QPSK	50	50	23.61	23.68	23.59		
20	QPSK	100	0	23.67	23.71	23.67		
20	16QAM	1	0	23.59	23.74	23.66	24.7	0
20	16QAM	1	49	23.59	23.72	23.65		
20	16QAM	1	99	23.69	23.74	23.67		
20	16QAM	50	0	22.50	22.70	22.45	23.7	1
20	16QAM	50	24	22.60	22.67	22.47		
20	16QAM	50	50	22.58	22.64	22.49		
20	16QAM	100	0	22.61	22.63	22.51		
20	64QAM	1	0	22.51	22.71	22.46	23.7	1
20	64QAM	1	49	22.58	22.70	22.47		
20	64QAM	1	99	22.53	22.65	22.52		
20	64QAM	50	0	21.49	21.66	21.58	22.7	2
20	64QAM	50	24	21.58	21.65	21.52		
20	64QAM	50	50	21.51	21.60	21.53		
20	64QAM	100	0	21.52	21.58	21.58		
20	256QAM	1	0	19.48	19.61	19.54	20.7	4
20	256QAM	1	49	19.53	19.65	19.48		
20	256QAM	1	99	19.51	19.63	19.49		
20	256QAM	50	0	19.53	19.66	19.46	20.7	4
20	256QAM	50	24	19.62	19.68	19.53		
20	256QAM	50	50	19.54	19.64	19.49		
20	256QAM	100	0	19.59	19.64	19.51		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	23.65	23.63	23.60	24.7	0
15	QPSK	1	37	23.50	23.47	23.54		
15	QPSK	1	74	23.43	23.62	23.61		
15	QPSK	36	0	23.55	23.69	23.53	24.7	0
15	QPSK	36	20	23.44	23.49	23.56		
15	QPSK	36	39	23.48	23.52	23.53		
15	QPSK	75	0	23.55	23.60	23.53		
15	16QAM	1	0	23.47	23.65	23.56	24.7	0
15	16QAM	1	37	23.51	23.68	23.49		
15	16QAM	1	74	23.53	23.69	23.52		
15	16QAM	36	0	22.42	22.54	22.32	23.7	1
15	16QAM	36	20	22.56	22.58	22.43		
15	16QAM	36	39	22.52	22.59	22.39		
15	16QAM	75	0	22.51	22.60	22.34		
15	64QAM	1	0	22.42	22.66	22.35	23.7	1
15	64QAM	1	37	22.54	22.66	22.41		
15	64QAM	1	74	22.42	22.57	22.44		
15	64QAM	36	0	21.33	21.52	21.44	22.7	2
15	64QAM	36	20	21.54	21.48	21.44		
15	64QAM	36	39	21.44	21.56	21.42		
15	64QAM	75	0	21.48	21.49	21.42		
15	256QAM	1	0	19.36	19.50	19.38	20.7	4
15	256QAM	1	37	19.47	19.57	19.40		
15	256QAM	1	74	19.39	19.54	19.42		
15	256QAM	36	0	19.45	19.58	19.39	20.7	4
15	256QAM	36	20	19.55	19.59	19.39		
15	256QAM	36	39	19.41	19.50	19.37		
15	256QAM	75	0	19.46	19.55	19.38		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	23.66	23.66	23.57	24.7	0
10	QPSK	1	25	23.56	23.54	23.45		
10	QPSK	1	49	23.44	23.64	23.47		
10	QPSK	25	0	23.56	23.63	23.50	24.7	0
10	QPSK	25	12	23.54	23.51	23.62		
10	QPSK	25	25	23.47	23.62	23.44		
10	QPSK	50	0	23.52	23.55	23.50		
10	16QAM	1	0	23.49	23.57	23.63	24.7	0
10	16QAM	1	25	23.50	23.64	23.60		
10	16QAM	1	49	23.57	23.60	23.60		
10	16QAM	25	0	22.35	22.56	22.40	23.7	1
10	16QAM	25	12	22.56	22.60	22.42		
10	16QAM	25	25	22.55	22.52	22.38		
10	16QAM	50	0	22.47	22.48	22.42		
10	64QAM	1	0	22.38	22.60	22.41	23.7	1
10	64QAM	1	25	22.49	22.57	22.31		
10	64QAM	1	49	22.44	22.58	22.49		
10	64QAM	25	0	21.36	21.56	21.42	22.7	2
10	64QAM	25	12	21.47	21.56	21.45		
10	64QAM	25	25	21.34	21.52	21.40		
10	64QAM	50	0	21.45	21.54	21.51		
10	256QAM	1	0	19.43	19.56	19.49	20.7	4
10	256QAM	1	25	19.49	19.54	19.33		
10	256QAM	1	49	19.37	19.46	19.35		
10	256QAM	25	0	19.36	19.60	19.41	20.7	4
10	256QAM	25	12	19.49	19.59	19.49		
10	256QAM	25	25	19.49	19.47	19.32		
10	256QAM	50	0	19.45	19.50	19.47		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	23.57	23.66	23.58	24.7	0
5	QPSK	1	12	23.58	23.46	23.51		
5	QPSK	1	24	23.48	23.59	23.54		
5	QPSK	12	0	23.61	23.65	23.55	24.7	0
5	QPSK	12	7	23.48	23.58	23.55		
5	QPSK	12	13	23.49	23.52	23.45		
5	QPSK	25	0	23.63	23.66	23.52		
5	16QAM	1	0	23.50	23.58	23.59	24.7	0
5	16QAM	1	12	23.52	23.69	23.58		
5	16QAM	1	24	23.57	23.71	23.61		
5	16QAM	12	0	22.39	22.59	22.41	23.7	1
5	16QAM	12	7	22.53	22.54	22.39		
5	16QAM	12	13	22.51	22.47	22.42		
5	16QAM	25	0	22.57	22.49	22.48		
5	64QAM	1	0	22.37	22.59	22.32	23.7	1
5	64QAM	1	12	22.47	22.57	22.38		
5	64QAM	1	24	22.43	22.61	22.42		
5	64QAM	12	0	21.40	21.62	21.47	22.7	2
5	64QAM	12	7	21.47	21.60	21.48		
5	64QAM	12	13	21.36	21.46	21.45		
5	64QAM	25	0	21.36	21.49	21.53		
5	256QAM	1	0	19.36	19.56	19.43	20.7	4
5	256QAM	1	12	19.40	19.48	19.34		
5	256QAM	1	24	19.37	19.54	19.35		
5	256QAM	12	0	19.46	19.49	19.34	20.7	4
5	256QAM	12	7	19.48	19.52	19.48		
5	256QAM	12	13	19.38	19.53	19.45		
5	256QAM	25	0	19.51	19.52	19.46		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	23.68	23.71	23.55	24.7	0
3	QPSK	1	8	23.52	23.48	23.53		
3	QPSK	1	14	23.53	23.56	23.53		
3	QPSK	8	0	23.65	23.67	23.53	24.7	0
3	QPSK	8	4	23.52	23.59	23.54		
3	QPSK	8	7	23.54	23.57	23.53		
3	QPSK	15	0	23.51	23.62	23.52		
3	16QAM	1	0	23.47	23.63	23.52	24.7	0
3	16QAM	1	8	23.46	23.68	23.52		
3	16QAM	1	14	23.63	23.69	23.63		
3	16QAM	8	0	22.44	22.62	22.36	23.7	1
3	16QAM	8	4	22.46	22.60	22.44		
3	16QAM	8	7	22.42	22.59	22.42		
3	16QAM	15	0	22.52	22.52	22.47		
3	64QAM	1	0	22.39	22.58	22.33	23.7	1
3	64QAM	1	8	22.48	22.58	22.31		
3	64QAM	1	14	22.41	22.52	22.36		
3	64QAM	8	0	21.39	21.49	21.42	22.7	2
3	64QAM	8	4	21.48	21.58	21.35		
3	64QAM	8	7	21.45	21.47	21.50		
3	64QAM	15	0	21.44	21.41	21.46		
3	256QAM	1	0	19.38	19.46	19.42	20.7	4
3	256QAM	1	8	19.42	19.60	19.34		
3	256QAM	1	14	19.42	19.58	19.40		
3	256QAM	8	0	19.44	19.56	19.31	20.7	4
3	256QAM	8	4	19.55	19.54	19.43		
3	256QAM	8	7	19.40	19.47	19.34		
3	256QAM	15	0	19.51	19.53	19.48		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	23.66	23.65	23.58	24.7	0
1.4	QPSK	1	3	23.54	23.58	23.43		
1.4	QPSK	1	5	23.44	23.64	23.55		
1.4	QPSK	3	0	23.62	23.67	23.59		
1.4	QPSK	3	1	23.57	23.51	23.51		
1.4	QPSK	3	3	23.50	23.55	23.54		
1.4	QPSK	6	0	23.60	23.62	23.63	24.7	0
1.4	16QAM	1	0	23.48	23.58	23.56	24.7	0
1.4	16QAM	1	3	23.54	23.58	23.62		
1.4	16QAM	1	5	23.61	23.65	23.60		
1.4	16QAM	3	0	23.60	23.66	23.56		
1.4	16QAM	3	1	23.70	23.74	23.58		
1.4	16QAM	3	3	23.67	23.72	23.56		
1.4	16QAM	6	0	22.72	22.63	22.56	23.7	1
1.4	64QAM	1	0	22.67	22.69	22.63	23.7	1
1.4	64QAM	1	3	22.65	22.68	22.58		
1.4	64QAM	1	5	22.62	22.75	22.66		
1.4	64QAM	3	0	22.59	22.68	22.62		
1.4	64QAM	3	1	22.70	22.69	22.62		
1.4	64QAM	3	3	22.62	22.73	22.66		
1.4	64QAM	6	0	21.58	21.72	21.56	22.7	2
1.4	256QAM	1	0	19.40	19.46	19.47	20.7	4
1.4	256QAM	1	3	19.48	19.57	19.40		
1.4	256QAM	1	5	19.36	19.58	19.33		
1.4	256QAM	3	0	19.48	19.61	19.33		
1.4	256QAM	3	1	19.51	19.57	19.45		
1.4	256QAM	3	3	19.44	19.56	19.37		
1.4	256QAM	6	0	19.49	19.55	19.38	20.7	4

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BW [MHz]	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	21.44	21.60	21.45	22.2	0
20	QPSK	1	49	21.47	21.38	21.41		
20	QPSK	1	99	21.48	21.45	21.20		
20	QPSK	50	0	21.37	21.57	21.37	22.2	0
20	QPSK	50	24	21.45	21.51	21.34		
20	QPSK	50	50	21.36	21.35	21.34		
20	QPSK	100	0	21.48	21.50	21.42		
20	16QAM	1	0	21.36	21.45	21.37	22.2	0
20	16QAM	1	49	21.42	21.36	21.25		
20	16QAM	1	99	21.36	21.41	21.33		
20	16QAM	50	0	21.45	21.50	21.37	22.2	0
20	16QAM	50	24	21.46	21.40	21.33		
20	16QAM	50	50	21.44	21.39	21.34		
20	16QAM	100	0	21.40	21.52	21.37		
20	64QAM	1	0	21.39	21.47	21.32	22.2	0
20	64QAM	1	49	21.40	21.56	21.43		
20	64QAM	1	99	21.45	21.44	21.32		
20	64QAM	50	0	20.32	20.43	20.42	22.2	0
20	64QAM	50	24	20.47	20.59	20.35		
20	64QAM	50	50	20.47	20.45	20.39		
20	64QAM	100	0	20.32	20.50	20.40		
20	256QAM	1	0	19.85	19.91	19.77	20.7	1.5
20	256QAM	1	49	19.73	19.86	19.67		
20	256QAM	1	99	19.88	19.92	19.84		
20	256QAM	50	0	19.77	19.82	19.79	20.7	1.5
20	256QAM	50	24	19.87	19.87	19.74		
20	256QAM	50	50	19.93	19.91	19.75		
20	256QAM	100	0	19.83	19.87	19.76		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.35	21.43	21.30	22.2	0
15	QPSK	1	37	21.39	21.32	21.27		
15	QPSK	1	74	21.36	21.40	21.11		
15	QPSK	36	0	21.21	21.41	21.31	22.2	0
15	QPSK	36	20	21.42	21.42	21.23		
15	QPSK	36	39	21.25	21.29	21.22		
15	QPSK	75	0	21.39	21.41	21.36		
15	16QAM	1	0	21.21	21.34	21.25	22.2	0
15	16QAM	1	37	21.29	21.21	21.16		
15	16QAM	1	74	21.26	21.38	21.17		
15	16QAM	36	0	21.30	21.47	21.24	22.2	0
15	16QAM	36	20	21.32	21.37	21.25		
15	16QAM	36	39	21.29	21.30	21.21		
15	16QAM	75	0	21.25	21.40	21.21		
15	64QAM	1	0	21.23	21.30	21.28	22.2	0
15	64QAM	1	37	21.36	21.56	21.39		
15	64QAM	1	74	21.30	21.39	21.27		
15	64QAM	36	0	20.21	20.38	20.27	22.2	0
15	64QAM	36	20	20.32	20.51	20.22		
15	64QAM	36	39	20.31	20.28	20.27		
15	64QAM	75	0	20.26	20.44	20.24		
15	256QAM	1	0	19.77	19.76	19.63	20.7	1.5
15	256QAM	1	37	19.64	19.74	19.55		
15	256QAM	1	74	19.84	19.78	19.76		
15	256QAM	36	0	19.69	19.66	19.68	20.7	1.5
15	256QAM	36	20	19.72	19.73	19.64		
15	256QAM	36	39	19.76	19.85	19.59		
15	256QAM	75	0	19.73	19.80	19.64		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.40	21.44	21.36	22.2	0
10	QPSK	1	25	21.30	21.29	21.28		
10	QPSK	1	49	21.45	21.31	21.17		
10	QPSK	25	0	21.34	21.44	21.20	22.2	0
10	QPSK	25	12	21.31	21.41	21.19		
10	QPSK	25	25	21.25	21.19	21.36		
10	QPSK	50	0	21.41	21.43	21.25		
10	16QAM	1	0	21.19	21.40	21.28	22.2	0
10	16QAM	1	25	21.28	21.19	21.13		
10	16QAM	1	49	21.25	21.34	21.26		
10	16QAM	25	0	21.40	21.42	21.33	22.2	0
10	16QAM	25	12	21.34	21.26	21.18		
10	16QAM	25	25	21.39	21.32	21.21		
10	16QAM	50	0	21.26	21.39	21.27		
10	64QAM	1	0	21.24	21.30	21.24	22.2	0
10	64QAM	1	25	21.26	21.55	21.29		
10	64QAM	1	49	21.36	21.28	21.28		
10	64QAM	25	0	20.26	20.34	20.36	22.2	0
10	64QAM	25	12	20.42	20.49	20.21		
10	64QAM	25	25	20.35	20.34	20.25		
10	64QAM	50	0	20.24	20.34	20.28		
10	256QAM	1	0	19.77	19.76	19.62	20.7	1.5
10	256QAM	1	25	19.61	19.71	19.54		
10	256QAM	1	49	19.76	19.87	19.78		
10	256QAM	25	0	19.71	19.68	19.71	20.7	1.5
10	256QAM	25	12	19.84	19.75	19.60		
10	256QAM	25	25	19.89	19.78	19.67		
10	256QAM	50	0	19.69	19.82	19.66		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.38	21.55	21.30	22.2	0
5	QPSK	1	12	21.30	21.35	21.32		
5	QPSK	1	24	21.43	21.41	21.05		
5	QPSK	12	0	21.22	21.41	21.20	22.2	0
5	QPSK	12	7	21.40	21.40	21.24		
5	QPSK	12	13	21.24	21.20	21.26		
5	QPSK	25	0	21.35	21.40	21.38		
5	16QAM	1	0	21.25	21.39	21.34	22.2	0
5	16QAM	1	12	21.29	21.25	21.13		
5	16QAM	1	24	21.19	21.29	21.17		
5	16QAM	12	0	21.29	21.43	21.30	22.2	0
5	16QAM	12	7	21.41	21.33	21.18		
5	16QAM	12	13	21.40	21.26	21.19		
5	16QAM	25	0	21.32	21.44	21.26		
5	64QAM	1	0	21.31	21.33	21.24	22.2	0
5	64QAM	1	12	21.35	21.50	21.30		
5	64QAM	1	24	21.41	21.31	21.25		
5	64QAM	12	0	20.29	20.34	20.26	22.2	0
5	64QAM	12	7	20.30	20.48	20.29		
5	64QAM	12	13	20.32	20.29	20.29		
5	64QAM	25	0	20.24	20.43	20.34		
5	256QAM	1	0	19.72	19.86	19.64	20.7	1.5
5	256QAM	1	12	19.64	19.78	19.53		
5	256QAM	1	24	19.75	19.88	19.80		
5	256QAM	12	0	19.71	19.77	19.73	20.7	1.5
5	256QAM	12	7	19.76	19.78	19.62		
5	256QAM	12	13	19.90	19.78	19.66		
5	256QAM	25	0	19.70	19.79	19.71		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.49	23.52	23.42	24.2	0
20	QPSK	1	49	23.43	23.50	23.35		
20	QPSK	1	99	23.47	23.48	23.45		
20	QPSK	50	0	23.44	23.49	23.35		
20	QPSK	50	24	23.45	23.41	23.42		
20	QPSK	50	50	23.42	23.45	23.44		
20	QPSK	100	0	23.42	23.47	23.42		
20	16QAM	1	0	23.51	23.50	23.44		
20	16QAM	1	49	23.50	23.43	23.36	24.2	0
20	16QAM	1	99	23.48	23.47	23.37		
20	16QAM	50	0	23.01	22.99	22.88		
20	16QAM	50	24	22.94	23.02	22.91	23.7	0.5
20	16QAM	50	50	22.97	22.95	22.93		
20	16QAM	100	0	23.02	22.99	22.84		
20	64QAM	1	0	22.96	22.96	22.87		
20	64QAM	1	49	23.03	22.97	22.84	23.7	0.5
20	64QAM	1	99	23.01	23.00	22.91		
20	64QAM	50	0	22.03	21.98	21.94		
20	64QAM	50	24	21.95	21.99	21.87	22.7	1.5
20	64QAM	50	50	21.99	22.01	21.90		
20	64QAM	100	0	21.95	22.05	21.93		
20	256QAM	1	0	20.03	19.95	19.85		
20	256QAM	1	49	19.99	20.01	19.86	20.7	3.5
20	256QAM	1	99	20.00	20.02	19.82		
20	256QAM	50	0	19.93	20.01	19.85		
20	256QAM	50	24	19.97	20.05	19.95	20.7	3.5
20	256QAM	50	50	19.93	19.93	19.87		
20	256QAM	100	0	20.03	20.04	19.92		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	23.38	23.38	23.25	24.2	0
15	QPSK	1	37	23.26	23.43	23.31		
15	QPSK	1	74	23.40	23.41	23.34		
15	QPSK	36	0	23.38	23.31	23.31		
15	QPSK	36	20	23.29	23.42	23.29	24.2	0
15	QPSK	36	39	23.38	23.34	23.28		
15	QPSK	75	0	23.40	23.44	23.36		
15	16QAM	1	0	23.42	23.47	23.32		
15	16QAM	1	37	23.34	23.32	23.25	24.2	0
15	16QAM	1	74	23.37	23.42	23.29		
15	16QAM	36	0	22.89	22.90	22.75		
15	16QAM	36	20	22.78	22.91	22.88	23.7	0.5
15	16QAM	36	39	22.85	22.85	22.90		
15	16QAM	75	0	22.89	22.93	22.69		
15	64QAM	1	0	22.86	22.82	22.74		
15	64QAM	1	37	22.96	22.93	22.73	23.7	0.5
15	64QAM	1	74	22.95	22.89	22.84		
15	64QAM	36	0	21.96	21.92	21.79		
15	64QAM	36	20	21.86	21.86	21.82	22.7	1.5
15	64QAM	36	39	21.96	21.96	21.74		
15	64QAM	75	0	21.82	22.00	21.90		
15	256QAM	1	0	19.93	19.84	19.73		
15	256QAM	1	37	19.91	19.89	19.70	20.7	3.5
15	256QAM	1	74	19.90	19.87	19.75		
15	256QAM	36	0	19.89	19.90	19.73		
15	256QAM	36	20	19.85	19.96	19.82	20.7	3.5
15	256QAM	36	39	19.79	19.80	19.79		
15	256QAM	75	0	19.96	19.98	19.78		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572	2595	2618		
10	QPSK	1	0	23.34	23.33	23.31	24.2	0
10	QPSK	1	25	23.37	23.46	23.19		
10	QPSK	1	49	23.43	23.35	23.38		
10	QPSK	25	0	23.36	23.37	23.28		
10	QPSK	25	12	23.42	23.35	23.30	24.2	0
10	QPSK	25	25	23.43	23.31	23.28		
10	QPSK	50	0	23.34	23.45	23.29		
10	16QAM	1	0	23.38	23.45	23.39		
10	16QAM	1	25	23.40	23.29	23.20	24.2	0
10	16QAM	1	49	23.37	23.41	23.21		
10	16QAM	25	0	22.92	22.89	22.77		
10	16QAM	25	12	22.91	22.92	22.75	23.7	0.5
10	16QAM	25	25	22.88	22.84	22.83		
10	16QAM	50	0	22.98	22.85	22.73		
10	64QAM	1	0	22.90	22.85	22.75		
10	64QAM	1	25	22.91	22.89	22.71	23.7	0.5
10	64QAM	1	49	22.94	22.96	22.85		
10	64QAM	25	0	21.95	21.87	21.82		
10	64QAM	25	12	21.84	21.87	21.75	22.7	1.5
10	64QAM	25	25	21.89	21.88	21.82		
10	64QAM	50	0	21.83	21.95	21.85		
10	256QAM	1	0	19.96	19.86	19.74		
10	256QAM	1	25	19.95	19.97	19.70	20.7	3.5
10	256QAM	1	49	19.86	19.97	19.73		
10	256QAM	25	0	19.82	19.98	19.79		
10	256QAM	25	12	19.88	19.95	19.83	20.7	3.5
10	256QAM	25	25	19.84	19.81	19.79		
10	256QAM	50	0	19.92	19.91	19.85		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2573.5	2595	2617.5		
5	QPSK	1	0	23.40	23.38	23.36	24.2	0
5	QPSK	1	12	23.27	23.36	23.28		
5	QPSK	1	24	23.39	23.41	23.33		
5	QPSK	12	0	23.39	23.37	23.29		
5	QPSK	12	7	23.35	23.33	23.32	24.2	0
5	QPSK	12	13	23.39	23.36	23.31		
5	QPSK	25	0	23.43	23.41	23.30		
5	16QAM	1	0	23.48	23.43	23.34		
5	16QAM	1	12	23.44	23.36	23.21	24.2	0
5	16QAM	1	24	23.34	23.43	23.30		
5	16QAM	12	0	22.85	22.90	22.75		
5	16QAM	12	7	22.78	22.85	22.82	23.7	0.5
5	16QAM	12	13	22.88	22.86	22.78		
5	16QAM	25	0	22.97	22.91	22.77		
5	64QAM	1	0	22.88	22.85	22.81		
5	64QAM	1	12	22.88	22.90	22.77	23.7	0.5
5	64QAM	1	24	22.87	22.87	22.78		
5	64QAM	12	0	22.00	21.81	21.84		
5	64QAM	12	7	21.81	21.87	21.83	22.7	1.5
5	64QAM	12	13	21.82	21.88	21.81		
5	64QAM	25	0	21.84	21.91	21.77		
5	256QAM	1	0	19.96	19.82	19.81		
5	256QAM	1	12	19.85	19.86	19.77	20.7	3.5
5	256QAM	1	24	19.94	19.97	19.72		
5	256QAM	12	0	19.88	19.89	19.80		
5	256QAM	12	7	19.84	19.96	19.79	20.7	3.5
5	256QAM	12	13	19.79	19.77	19.79		
5	256QAM	25	0	19.97	20.00	19.87		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.92	22.95	23.10	23.07	22.95	23.7	0
20	QPSK	1	49	22.88	22.91	23.07	22.92	22.89		
20	QPSK	1	99	22.87	22.96	23.03	22.96	22.91		
20	QPSK	50	0	22.94	22.90	23.09	22.89	22.95		
20	QPSK	50	24	22.88	22.95	23.02	22.98	22.87		
20	QPSK	50	50	22.96	22.89	23.04	22.93	22.88		
20	QPSK	100	0	22.96	22.82	23.06	22.86	22.93		
20	16QAM	1	0	22.97	22.90	23.06	22.95	22.83		
20	16QAM	1	49	22.98	22.88	22.98	22.95	22.92		
20	16QAM	1	99	22.96	22.84	23.01	22.89	22.90		
20	16QAM	50	0	22.89	22.86	23.01	22.97	22.88	23.7	0
20	16QAM	50	24	22.94	22.88	23.00	22.97	22.87		
20	16QAM	50	50	22.92	22.85	23.02	22.90	22.89		
20	16QAM	100	0	22.90	22.91	23.02	22.94	22.95		
20	64QAM	1	0	22.87	22.83	23.06	22.90	22.87		
20	64QAM	1	49	23.00	22.93	23.04	22.98	22.93	23.7	0
20	64QAM	1	99	22.92	22.87	23.06	22.88	22.90		
20	64QAM	50	0	21.93	21.91	22.07	21.93	21.93		
20	64QAM	50	24	21.96	21.96	21.97	21.86	21.83	22.7	1
20	64QAM	50	50	21.96	21.88	22.10	21.91	21.89		
20	64QAM	100	0	21.90	21.94	22.00	21.86	21.84		
20	256QAM	1	0	19.91	19.90	20.09	19.85	19.87		
20	256QAM	1	49	19.98	19.88	20.11	19.95	19.92	20.7	3
20	256QAM	1	99	19.95	19.88	20.06	19.85	19.81		
20	256QAM	50	0	19.96	19.96	20.11	19.85	19.95		
20	256QAM	50	24	19.92	19.92	20.01	19.88	19.87	20.7	3
20	256QAM	50	50	19.97	19.88	20.05	19.93	19.83		
20	256QAM	100	0	19.92	19.82	20.07	19.92	19.93		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.84	22.75	22.86	22.82	22.87	24	0
15	QPSK	1	37	22.77	22.75	22.93	22.87	22.79		
15	QPSK	1	74	22.82	22.88	22.96	22.89	22.81		
15	QPSK	36	0	22.85	22.79	22.93	22.82	22.79	23.7	0
15	QPSK	36	20	22.74	22.86	22.99	22.82	22.81		
15	QPSK	36	39	22.83	22.81	22.93	22.83	22.76		
15	QPSK	75	0	22.83	22.75	22.93	22.79	22.90		
15	16QAM	1	0	22.93	22.84	22.92	22.78	22.73		
15	16QAM	1	37	22.89	22.73	22.82	22.91	22.82	23.7	0
15	16QAM	1	74	22.87	22.75	22.98	22.78	22.84		
15	16QAM	36	0	22.83	22.75	22.86	22.85	22.82		
15	16QAM	36	20	22.81	22.80	22.92	22.86	22.73	23.7	0
15	16QAM	36	39	22.79	22.69	22.92	22.77	22.80		
15	16QAM	75	0	22.85	22.84	22.90	22.77	22.81		
15	64QAM	1	0	22.72	22.69	22.94	22.79	22.83		
15	64QAM	1	37	22.94	22.83	22.96	22.84	22.77	23.7	0
15	64QAM	1	74	22.84	22.70	22.98	22.72	22.78		
15	64QAM	36	0	21.85	21.74	21.99	21.87	21.77		
15	64QAM	36	20	21.84	21.86	21.94	21.70	21.69	22.7	1
15	64QAM	36	39	21.83	21.76	22.05	21.76	21.73		
15	64QAM	75	0	21.85	21.86	21.88	21.81	21.75		
15	256QAM	1	0	19.75	19.81	20.04	19.71	19.72		
15	256QAM	1	37	19.89	19.83	19.96	19.79	19.94	20.7	3
15	256QAM	1	74	19.89	19.81	19.99	19.77	19.78		
15	256QAM	36	0	19.90	19.92	20.01	19.69	19.79		
15	256QAM	36	20	19.76	19.76	19.93	19.77	19.80	20.7	3
15	256QAM	36	39	19.93	19.72	19.97	19.82	19.69		
15	256QAM	75	0	19.76	19.67	20.01	19.82	19.86		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.77	22.77	22.98	22.77	22.79	24	0
10	QPSK	1	25	22.82	22.74	22.91	22.88	22.77		
10	QPSK	1	49	22.80	22.88	22.96	22.84	22.79		
10	QPSK	25	0	22.88	22.77	23.02	22.76	22.73	23.7	0
10	QPSK	25	12	22.73	22.84	23.03	22.93	22.73		
10	QPSK	25	25	22.91	22.80	23.04	22.88	22.73		
10	QPSK	50	0	22.88	22.71	22.87	22.79	22.82		
10	16QAM	1	0	22.87	22.79	22.96	22.85	22.75		
10	16QAM	1	25	22.86	22.79	22.93	22.91	22.76	23.7	0
10	16QAM	1	49	22.84	22.76	22.93	22.86	22.76		
10	16QAM	25	0	22.81	22.71	22.95	22.92	22.84		
10	16QAM	25	12	22.80	22.78	22.85	22.92	22.75	23.7	0
10	16QAM	25	25	22.76	22.74	22.87	22.75	22.81		
10	16QAM	50	0	22.80	22.86	22.92	22.80	22.90		
10	64QAM	1	0	22.83	22.73	23.04	22.85	22.75		
10	64QAM	1	25	22.85	22.81	22.90	22.86	22.81	23.7	0
10	64QAM	1	49	22.81	22.79	22.97	22.76	22.86		
10	64QAM	25	0	21.76	21.83	21.91	21.86	21.78		
10	64QAM	25	12	21.85	21.87	21.93	21.75	21.69	22.7	1
10	64QAM	25	25	21.86	21.79	21.98	21.78	21.76		
10	64QAM	50	0	21.76	21.83	21.94	21.73	21.79		
10	256QAM	1	0	19.87	19.73	20.04	19.76	19.76		
10	256QAM	1	25	19.87	19.76	19.96	19.84	19.85	20.7	3
10	256QAM	1	49	19.87	19.81	19.98	19.81	19.78		
10	256QAM	25	0	19.80	19.90	20.02	19.69	19.82		
10	256QAM	25	12	19.89	19.86	19.84	19.76	19.74	20.7	3
10	256QAM	25	25	19.85	19.76	20.01	19.85	19.74		
10	256QAM	50	0	19.85	19.66	20.00	19.85	19.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.81	22.74	22.88	22.76	22.83	24	0
5	QPSK	1	12	22.77	22.87	22.98	22.76	22.80		
5	QPSK	1	24	22.75	22.83	22.90	22.93	22.83		
5	QPSK	12	0	22.87	22.76	22.98	22.85	22.82		
5	QPSK	12	7	22.76	22.78	22.99	22.92	22.83	23.7	0
5	QPSK	12	13	22.85	22.85	23.05	22.85	22.74		
5	QPSK	25	0	22.80	22.76	23.00	22.80	22.89		
5	16QAM	1	0	22.92	22.76	23.00	22.80	22.75		
5	16QAM	1	12	22.82	22.82	22.82	22.88	22.76	23.7	0
5	16QAM	1	24	22.84	22.72	23.04	22.77	22.75		
5	16QAM	12	0	22.74	22.78	22.87	22.81	22.83		
5	16QAM	12	7	22.84	22.82	22.84	22.86	22.72	23.7	0
5	16QAM	12	13	22.75	22.73	22.87	22.80	22.76		
5	16QAM	25	0	22.73	22.87	22.88	22.80	22.91		
5	64QAM	1	0	22.74	22.67	22.96	22.78	22.72		
5	64QAM	1	12	22.82	22.85	22.91	22.91	22.78	23.7	0
5	64QAM	1	24	22.82	22.81	22.99	22.73	22.80		
5	64QAM	12	0	21.78	21.75	21.94	21.80	21.81		
5	64QAM	12	7	21.86	21.92	21.89	21.73	21.70	22.7	1
5	64QAM	12	13	21.79	21.84	22.04	21.80	21.74		
5	64QAM	25	0	21.75	21.83	21.91	21.77	21.67		
5	256QAM	1	0	19.75	19.80	20.03	19.79	19.78		
5	256QAM	1	12	19.85	19.80	20.04	19.78	19.88	20.7	3
5	256QAM	1	24	19.85	19.71	19.94	19.82	19.71		
5	256QAM	12	0	19.81	19.87	20.05	19.73	19.91		
5	256QAM	12	7	19.88	19.82	19.88	19.84	19.73	20.7	3
5	256QAM	12	13	19.85	19.83	19.92	19.86	19.75		
5	256QAM	25	0	19.88	19.76	19.90	19.82	19.80		

Reduced Power Mode for Other PA ECI5

Band 5 Other PA Ant0 ECI5

BW [MHz]	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	24.37	24.62	24.37	25.5	0
10	QPSK	1	25	24.51	24.52	24.22		
10	QPSK	1	49	24.26	24.48	24.38		
10	QPSK	25	0	23.51	23.59	23.44	24.5	1
10	QPSK	25	12	23.49	23.48	23.37		
10	QPSK	25	25	23.22	23.40	23.32		
10	QPSK	50	0	23.48	23.61	23.41		
10	16QAM	1	0	23.49	23.60	23.60	24.5	1
10	16QAM	1	25	23.35	23.48	23.39		
10	16QAM	1	49	23.66	23.58	23.41		
10	16QAM	25	0	22.54	22.64	22.51	23.5	2
10	16QAM	25	12	22.66	22.56	22.44		
10	16QAM	25	25	22.50	22.48	22.35		
10	16QAM	50	0	22.51	22.44	22.39		
10	64QAM	1	0	22.67	22.70	22.40	23.5	2
10	64QAM	1	25	22.39	22.77	22.37		
10	64QAM	1	49	22.42	22.41	22.43		
10	64QAM	25	0	21.50	21.51	21.55	22.5	3
10	64QAM	25	12	21.28	21.40	21.28		
10	64QAM	25	25	21.23	21.46	21.49		
10	64QAM	50	0	21.34	21.41	21.27		
10	256QAM	1	0	19.49	19.60	19.47	20.5	5
10	256QAM	1	25	19.28	19.42	19.49		
10	256QAM	1	49	19.57	19.44	19.42		
10	256QAM	25	0	19.40	19.44	19.44	20.5	5
10	256QAM	25	12	19.14	19.43	19.48		
10	256QAM	25	25	19.40	19.55	19.42		
10	256QAM	50	0	19.26	19.45	19.36		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	24.25	24.48	24.14	25.5	0
5	QPSK	1	12	24.50	24.45	24.17		
5	QPSK	1	24	24.04	24.25	24.23		
5	QPSK	12	0	23.29	23.50	23.39	24.5	1
5	QPSK	12	7	23.37	23.26	23.20		
5	QPSK	12	13	23.16	23.16	23.21		
5	QPSK	25	0	23.38	23.45	23.21		
5	16QAM	1	0	23.46	23.53	23.56	24.5	1
5	16QAM	1	12	23.20	23.43	23.22		
5	16QAM	1	24	23.55	23.53	23.34		
5	16QAM	12	0	22.50	22.58	22.43	23.5	2
5	16QAM	12	7	22.49	22.54	22.30		
5	16QAM	12	13	22.47	22.24	22.11		
5	16QAM	25	0	22.32	22.38	22.28		
5	64QAM	1	0	22.58	22.58	22.27	23.5	2
5	64QAM	1	12	22.28	22.77	22.29		
5	64QAM	1	24	22.41	22.36	22.39		
5	64QAM	12	0	21.41	21.39	21.44	22.5	3
5	64QAM	12	7	21.10	21.17	21.26		
5	64QAM	12	13	21.10	21.46	21.45		
5	64QAM	25	0	21.31	21.37	21.11		
5	256QAM	1	0	19.36	19.52	19.24	20.5	5
5	256QAM	1	12	19.28	19.25	19.31		
5	256QAM	1	24	19.39	19.41	19.29		
5	256QAM	12	0	19.28	19.27	19.21	20.5	5
5	256QAM	12	7	19.09	19.29	19.25		
5	256QAM	12	13	19.40	19.43	19.34		
5	256QAM	25	0	19.06	19.31	19.32		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	24.15	24.55	24.15	25.5	0
3	QPSK	1	8	24.48	24.48	24.14		
3	QPSK	1	14	24.11	24.27	24.30		
3	QPSK	8	0	23.32	23.43	23.23	24.5	1
3	QPSK	8	4	23.44	23.42	23.16		
3	QPSK	8	7	23.20	23.39	23.32		
3	QPSK	15	0	23.27	23.57	23.21		
3	16QAM	1	0	23.36	23.41	23.55	24.5	1
3	16QAM	1	8	23.31	23.38	23.37		
3	16QAM	1	14	23.57	23.43	23.23		
3	16QAM	8	0	22.54	22.58	22.28	23.5	2
3	16QAM	8	4	22.46	22.56	22.32		
3	16QAM	8	7	22.44	22.24	22.23		
3	16QAM	15	0	22.35	22.26	22.30		
3	64QAM	1	0	22.56	22.51	22.32	23.5	2
3	64QAM	1	8	22.30	22.66	22.28		
3	64QAM	1	14	22.35	22.29	22.29		
3	64QAM	8	0	21.45	21.31	21.33	22.5	3
3	64QAM	8	4	21.08	21.20	21.28		
3	64QAM	8	7	21.16	21.34	21.36		
3	64QAM	15	0	21.21	21.35	21.19		
3	256QAM	1	0	19.28	19.46	19.45	20.5	5
3	256QAM	1	8	19.11	19.30	19.32		
3	256QAM	1	14	19.43	19.29	19.38		
3	256QAM	8	0	19.18	19.24	19.42	20.5	5
3	256QAM	8	4	19.13	19.42	19.31		
3	256QAM	8	7	19.38	19.49	19.34		
3	256QAM	15	0	19.09	19.22	19.27		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	24.31	24.47	24.17	25.5	0
1.4	QPSK	1	3	24.28	24.36	24.12		
1.4	QPSK	1	5	24.07	24.45	24.32		
1.4	QPSK	3	0	24.12	24.31	24.03		
1.4	QPSK	3	1	24.18	24.29	24.07		
1.4	QPSK	3	3	24.05	24.31	24.25		
1.4	QPSK	6	0	23.31	23.57	23.25	24.5	1
1.4	16QAM	1	0	23.44	23.49	23.38	24.5	1
1.4	16QAM	1	3	23.30	23.37	23.25		
1.4	16QAM	1	5	23.65	23.57	23.38		
1.4	16QAM	3	0	23.31	23.38	23.19		
1.4	16QAM	3	1	23.15	23.21	23.17		
1.4	16QAM	3	3	23.43	23.48	23.33		
1.4	16QAM	6	0	22.44	22.36	22.33	23.5	2
1.4	64QAM	1	0	22.50	22.61	22.37	23.5	2
1.4	64QAM	1	3	22.39	22.59	22.19		
1.4	64QAM	1	5	22.40	22.39	22.28		
1.4	64QAM	3	0	22.28	22.52	22.18		
1.4	64QAM	3	1	22.17	22.56	22.23		
1.4	64QAM	3	3	22.26	22.36	22.26		
1.4	64QAM	6	0	21.31	21.28	21.14	22.5	3
1.4	256QAM	1	0	19.42	19.54	19.46	20.5	5
1.4	256QAM	1	3	19.36	19.32	19.41		
1.4	256QAM	1	5	19.55	19.27	19.40		
1.4	256QAM	3	0	19.34	19.38	19.40		
1.4	256QAM	3	1	19.26	19.39	19.39		
1.4	256QAM	3	3	19.39	19.52	19.36		
1.4	256QAM	6	0	19.02	19.37	19.33	20.5	5

Band 2 Other PA Ant1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				18700	18900	19100		
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	0	17.73	17.87	17.76		
20	QPSK	1	49	17.53	17.79	17.48	19	0
20	QPSK	1	99	17.40	17.79	17.43		
20	QPSK	50	0	17.70	17.83	17.67		
20	QPSK	50	24	17.52	17.82	17.42	19	0
20	QPSK	50	50	17.52	17.78	17.50		
20	QPSK	100	0	17.75	17.77	17.76		
20	16QAM	1	0	17.49	17.78	17.55		
20	16QAM	1	49	17.43	17.76	17.55	19	0
20	16QAM	1	99	17.51	17.75	17.48		
20	16QAM	50	0	17.52	17.82	17.52		
20	16QAM	50	24	17.51	17.80	17.47	19	0
20	16QAM	50	50	17.51	17.76	17.46		
20	16QAM	100	0	17.47	17.80	17.44		
20	64QAM	1	0	17.51	17.76	17.54		
20	64QAM	1	49	17.50	17.77	17.45	19	0
20	64QAM	1	99	17.41	17.75	17.49		
20	64QAM	50	0	17.47	17.79	17.46		
20	64QAM	50	24	17.50	17.76	17.47	19	0
20	64QAM	50	50	17.49	17.76	17.47		
20	64QAM	100	0	17.42	17.77	17.51		
20	256QAM	1	0	17.43	17.84	17.56		
20	256QAM	1	49	17.40	17.84	17.47	19	0
20	256QAM	1	99	17.52	17.78	17.43		
20	256QAM	50	0	17.47	17.85	17.53		
20	256QAM	50	24	17.43	17.75	17.43	19	0
20	256QAM	50	50	17.46	17.79	17.51		
20	256QAM	100	0	17.44	17.77	17.44		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	17.65	17.69	17.60		
15	QPSK	1	37	17.71	17.76	17.63	19	0
15	QPSK	1	74	17.66	17.73	17.66		
15	QPSK	36	0	17.65	17.73	17.69		
15	QPSK	36	20	17.67	17.76	17.71	19	0
15	QPSK	36	39	17.74	17.66	17.68		
15	QPSK	75	0	17.65	17.74	17.63		
15	16QAM	1	0	17.78	17.78	17.61		
15	16QAM	1	37	17.71	17.69	17.70	19	0
15	16QAM	1	74	17.78	17.66	17.72		
15	16QAM	36	0	17.66	17.69	17.63		
15	16QAM	36	20	17.70	17.75	17.65	19	0
15	16QAM	36	39	17.71	17.76	17.72		
15	16QAM	75	0	17.71	17.74	17.64		
15	64QAM	1	0	17.74	17.70	17.63		
15	64QAM	1	37	17.71	17.76	17.61	19	0
15	64QAM	1	74	17.74	17.70	17.65		
15	64QAM	36	0	17.67	17.67	17.71		
15	64QAM	36	20	17.77	17.66	17.69	19	0
15	64QAM	36	39	17.77	17.73	17.67		
15	64QAM	75	0	17.77	17.78	17.66		
15	256QAM	1	0	17.74	17.74	17.71		
15	256QAM	1	37	17.69	17.69	17.59	19	0
15	256QAM	1	74	17.76	17.71	17.62		
15	256QAM	36	0	17.74	17.71	17.63		
15	256QAM	36	20	17.75	17.71	17.61	19	0
15	256QAM	36	39	17.75	17.66	17.66		
15	256QAM	75	0	17.68	17.73	17.63		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	17.74	17.72	17.61		
10	QPSK	1	25	17.66	17.71	17.63	19	0
10	QPSK	1	49	17.68	17.67	17.59		
10	QPSK	25	0	17.72	17.74	17.68		
10	QPSK	25	12	17.67	17.74	17.62	19	0
10	QPSK	25	25	17.65	17.69	17.61		
10	QPSK	50	0	17.72	17.69	17.68		
10	16QAM	1	0	17.68	17.76	17.66		
10	16QAM	1	25	17.67	17.75	17.66	19	0
10	16QAM	1	49	17.77	17.71	17.63		
10	16QAM	25	0	17.78	17.68	17.71		
10	16QAM	25	12	17.70	17.71	17.60	19	0
10	16QAM	25	25	17.76	17.79	17.63		
10	16QAM	50	0	17.78	17.75	17.58		
10	64QAM	1	0	17.65	17.67	17.69		
10	64QAM	1	25	17.69	17.74	17.68	19	0
10	64QAM	1	49	17.69	17.76	17.69		
10	64QAM	25	0	17.76	17.68	17.60		
10	64QAM	25	12	17.73	17.78	17.63	19	0
10	64QAM	25	25	17.65	17.68	17.71		
10	64QAM	50	0	17.68	17.76	17.68		
10	256QAM	1	0	17.70	17.76	17.69		
10	256QAM	1	25	17.66	17.77	17.59	19	0
10	256QAM	1	49	17.71	17.78	17.65		
10	256QAM	25	0	17.77	17.71	17.64		
10	256QAM	25	12	17.71	17.74	17.64	19	0
10	256QAM	25	25	17.66	17.74	17.72		
10	256QAM	50	0	17.70	17.72	17.71		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	17.71	17.69	17.68		
5	QPSK	1	12	17.65	17.73	17.63	19	0
5	QPSK	1	24	17.78	17.70	17.60		
5	QPSK	12	0	17.66	17.68	17.58		
5	QPSK	12	7	17.78	17.72	17.63	19	0
5	QPSK	12	13	17.78	17.78	17.69		
5	QPSK	25	0	17.67	17.74	17.63		
5	16QAM	1	0	17.75	17.75	17.62		
5	16QAM	1	12	17.69	17.86	17.64	19	0
5	16QAM	1	24	17.66	17.69	17.69		
5	16QAM	12	0	17.74	17.68	17.66		
5	16QAM	12	7	17.77	17.66	17.68	19	0
5	16QAM	12	13	17.65	17.86	17.59		
5	16QAM	25	0	17.70	17.67	17.68		
5	64QAM	1	0	17.68	17.68	17.67		
5	64QAM	1	12	17.74	17.75	17.71	19	0
5	64QAM	1	24	17.69	17.71	17.70		
5	64QAM	12	0	17.76	17.74	17.59		
5	64QAM	12	7	17.76	17.78	17.64	19	0
5	64QAM	12	13	17.75	17.75	17.72		
5	64QAM	25	0	17.79	17.72	17.63		
5	256QAM	1	0	17.69	17.68	17.65		
5	256QAM	1	12	17.73	17.69	17.62	19	0
5	256QAM	1	24	17.78	17.71	17.62		
5	256QAM	12	0	17.73	17.70	17.61		
5	256QAM	12	7	17.73	17.66	17.66	19	0
5	256QAM	12	13	17.71	17.76	17.72		
5	256QAM	25	0	17.67	17.75	17.61		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	17.77	17.72	17.65		
3	QPSK	1	8	17.68	17.78	17.63	19	0
3	QPSK	1	14	17.77	17.79	17.61		
3	QPSK	8	0	17.65	17.72	17.68		
3	QPSK	8	4	17.72	17.67	17.59	19	0
3	QPSK	8	7	17.67	17.77	17.66		
3	QPSK	15	0	17.74	17.67	17.70		
3	16QAM	1	0	17.74	17.68	17.64		
3	16QAM	1	8	17.72	17.73	17.68	19	0
3	16QAM	1	14	17.72	17.72	17.67		
3	16QAM	8	0	17.74	17.75	17.70		
3	16QAM	8	4	17.66	17.68	17.65	19	0
3	16QAM	8	7	17.67	17.68	17.62		
3	16QAM	15	0	17.67	17.69	17.61		
3	64QAM	1	0	17.75	17.74	17.69		
3	64QAM	1	8	17.72	17.76	17.62	19	0
3	64QAM	1	14	17.68	17.77	17.67		
3	64QAM	8	0	17.67	17.68	17.68		
3	64QAM	8	4	17.71	17.76	17.70	19	0
3	64QAM	8	7	17.75	17.73	17.64		
3	64QAM	15	0	17.73	17.66	17.62		
3	256QAM	1	0	17.76	17.76	17.61		
3	256QAM	1	8	17.74	17.72	17.60	19	0
3	256QAM	1	14	17.68	17.76	17.67		
3	256QAM	8	0	17.66	17.77	17.65		
3	256QAM	8	4	17.67	17.75	17.70	19	0
3	256QAM	8	7	17.70	17.73	17.63		
3	256QAM	15	0	17.72	17.76	17.60		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	17.78	17.69	17.60		
1.4	QPSK	1	3	17.68	17.67	17.62		
1.4	QPSK	1	5	17.68	17.69	17.60	19	0
1.4	QPSK	3	0	17.66	17.68	17.65		
1.4	QPSK	3	1	17.72	17.78	17.70		
1.4	QPSK	3	3	17.79	17.74	17.63		
1.4	QPSK	6	0	17.68	17.70	17.58	19	0
1.4	16QAM	1	0	17.75	17.73	17.62		
1.4	16QAM	1	3	17.78	17.79	17.67		
1.4	16QAM	1	5	17.65	17.75	17.62	19	0
1.4	16QAM	3	0	17.72	17.69	17.60		
1.4	16QAM	3	1	17.72	17.69	17.72		
1.4	16QAM	3	3	17.70	17.71	17.71		
1.4	16QAM	6	0	17.73	17.68	17.70	19	0
1.4	64QAM	1	0	17.74	17.75	17.59		
1.4	64QAM	1	3	17.68	17.75	17.66		
1.4	64QAM	1	5	17.71	17.73	17.65	19	0
1.4	64QAM	3	0	17.68	17.77	17.66		
1.4	64QAM	3	1	17.77	17.71	17.63		
1.4	64QAM	3	3	17.69	17.73	17.66		
1.4	64QAM	6	0	17.68	17.71	17.69	19	0
1.4	256QAM	1	0	17.78	17.67	17.65		
1.4	256QAM	1	3	17.76	17.77	17.70		
1.4	256QAM	1	5	17.67	17.73	17.62	19	0
1.4	256QAM	3	0	17.71	17.78	17.70		
1.4	256QAM	3	1	17.66	17.79	17.58		
1.4	256QAM	3	3	17.75	17.70	17.64		
1.4	256QAM	6	0	17.76	17.75	17.61	19	0

Band 5 Other PA Ant1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				20450	20525	20600		
Frequency (MHz)				829	836.5	844		
10	QPSK	1	0	23.92	24.10	23.96		
10	QPSK	1	25	24.00	24.07	23.98	25	0
10	QPSK	1	49	23.99	24.07	23.94		
10	QPSK	25	0	23.46	23.63	23.50		
10	QPSK	25	12	23.48	23.53	23.46	24.5	0.5
10	QPSK	25	25	23.46	23.55	23.44		
10	QPSK	50	0	23.47	23.61	23.52		
10	16QAM	1	0	23.51	23.55	23.54		
10	16QAM	1	25	23.43	23.62	23.46	24.5	0.5
10	16QAM	1	49	23.43	23.58	23.54		
10	16QAM	25	0	22.45	22.64	22.44		
10	16QAM	25	12	22.49	22.59	22.51	23.5	1.5
10	16QAM	25	25	22.43	22.58	22.48		
10	16QAM	50	0	22.51	22.54	22.54		
10	64QAM	1	0	22.47	22.58	22.46		
10	64QAM	1	25	22.52	22.55	22.45	23.5	1.5
10	64QAM	1	49	22.40	22.59	22.44		
10	64QAM	25	0	21.50	21.59	21.49		
10	64QAM	25	12	21.45	21.58	21.42	22.5	2.5
10	64QAM	25	25	21.43	21.55	21.52		
10	64QAM	50	0	21.41	21.64	21.49		
10	256QAM	1	0	19.45	19.53	19.50		
10	256QAM	1	25	19.43	19.58	19.44	20.5	4.5
10	256QAM	1	49	19.46	19.54	19.48		
10	256QAM	25	0	19.41	19.51	19.48		
10	256QAM	25	12	19.42	19.57	19.46	20.5	4.5
10	256QAM	25	25	19.53	19.57	19.44		
10	256QAM	50	0	19.46	19.56	19.41		
Channel				20425	20525	20625	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	0	23.84	23.93	23.83		
5	QPSK	1	12	23.84	23.99	23.92	25	0
5	QPSK	1	24	23.83	23.98	23.90		
5	QPSK	12	0	23.39	23.59	23.40		
5	QPSK	12	7	23.40	23.45	23.38	24.5	0.5
5	QPSK	12	13	23.31	23.43	23.40		
5	QPSK	25	0	23.32	23.53	23.45		
5	16QAM	1	0	23.34	23.51	23.46		
5	16QAM	1	12	23.30	23.50	23.40	24.5	0.5
5	16QAM	1	24	23.33	23.50	23.38		
5	16QAM	12	0	22.32	22.60	22.29		
5	16QAM	12	7	22.39	22.48	22.36	23.5	1.5
5	16QAM	12	13	22.35	22.44	22.44		
5	16QAM	25	0	22.45	22.47	22.39		
5	64QAM	1	0	22.37	22.45	22.33		
5	64QAM	1	12	22.37	22.45	22.35	23.5	1.5
5	64QAM	1	24	22.26	22.53	22.37		
5	64QAM	12	0	21.42	21.51	21.45		
5	64QAM	12	7	21.39	21.47	21.30	22.5	2.5
5	64QAM	12	13	21.37	21.52	21.48		
5	64QAM	25	0	21.34	21.50	21.41		
5	256QAM	1	0	19.34	19.50	19.43		
5	256QAM	1	12	19.29	19.47	19.30	20.5	4.5
5	256QAM	1	24	19.36	19.50	19.35		
5	256QAM	12	0	19.37	19.43	19.41		
5	256QAM	12	7	19.38	19.44	19.35	20.5	4.5
5	256QAM	12	13	19.42	19.48	19.28		
5	256QAM	25	0	19.34	19.49	19.26		
Channel				20415	20525	20635	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				825.5	836.5	847.5		
3	QPSK	1	0	23.77	23.95	23.86		
3	QPSK	1	8	23.90	23.98	23.84	25	0
3	QPSK	1	14	23.82	24.03	23.84		
3	QPSK	8	0	23.39	23.57	23.44		
3	QPSK	8	4	23.41	23.37	23.38	24.5	0.5
3	QPSK	8	7	23.34	23.50	23.32		
3	QPSK	15	0	23.34	23.52	23.37		
3	16QAM	1	0	23.44	23.41	23.45		
3	16QAM	1	8	23.31	23.49	23.34	24.5	0.5
3	16QAM	1	14	23.32	23.43	23.42		
3	16QAM	8	0	22.34	22.55	22.30		
3	16QAM	8	4	22.45	22.45	22.39	23.5	1.5
3	16QAM	8	7	22.34	22.48	22.34		
3	16QAM	15	0	22.47	22.39	22.44		
3	64QAM	1	0	22.34	22.42	22.42		
3	64QAM	1	8	22.41	22.39	22.34	23.5	1.5
3	64QAM	1	14	22.33	22.51	22.33		
3	64QAM	8	0	21.45	21.43	21.40		
3	64QAM	8	4	21.32	21.52	21.35	22.5	2.5
3	64QAM	8	7	21.35	21.48	21.36		
3	64QAM	15	0	21.36	21.49	21.36		
3	256QAM	1	0	19.34	19.40	19.44		
3	256QAM	1	8	19.32	19.50	19.33	20.5	4.5
3	256QAM	1	14	19.32	19.41	19.33		
3	256QAM	8	0	19.33	19.40	19.34		
3	256QAM	8	4	19.27	19.45	19.40	20.5	4.5
3	256QAM	8	7	19.38	19.51	19.39		
3	256QAM	15	0	19.34	19.49	19.34		
Channel				20407	20525	20643	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				824.7	836.5	848.3		
1.4	QPSK	1	0	23.85	23.94	23.93		
1.4	QPSK	1	3	23.86	23.99	23.87		
1.4	QPSK	1	5	23.87	23.95	23.85	25	0
1.4	QPSK	3	0	23.81	24.06	23.88		
1.4	QPSK	3	1	23.84	23.94	23.79		
1.4	QPSK	3	3	23.84	24.03	23.87		
1.4	QPSK	6	0	23.49	23.53	23.49	24.5	0.5
1.4	16QAM	1	0	23.39	23.57	23.42		
1.4	16QAM	1	3	23.38	23.59	23.44		
1.4	16QAM	1	5	23.44	23.58	23.40	24.5	0.5
1.4	16QAM	3	0	23.47	23.56	23.42		
1.4	16QAM	3	1	23.39	23.65	23.44		
1.4	16QAM	3	3	23.42	23.53	23.41		
1.4	16QAM	6	0	22.48	22.55	22.42	23.5	1.5
1.4	64QAM	1	0	22.38	22.58	22.44		
1.4	64QAM	1	3	22.44	22.67	22.41		
1.4	64QAM	1	5	22.36	22.63	22.46	23.5	1.5
1.4	64QAM	3	0	22.43	22.64	22.41		
1.4	64QAM	3	1	22.43	22.56	22.43		
1.4	64QAM	3	3	22.38	22.55	22.47		
1.4	64QAM	6	0	21.39	21.61	21.50	22.5	2.5
1.4	256QAM	1	0	19.37	19.44	19.34		
1.4	256QAM	1	3	19.13	19.29	19.35		
1.4	256QAM	1	5	19.53	19.21	19.25	20.5	4.5
1.4	256QAM	3	0	19.07	19.28	19.27		
1.4	256QAM	3	1	19.18	19.34	19.34		
1.4	256QAM	3	3	19.23	19.33	19.12		
1.4	256QAM	6	0	18.77	19.09	19.20	20.5	4.5

Band 7 Other PA Ant1 ECI5

BW [MHz]	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	18.44	18.52	18.40		
20	QPSK	1	49	18.30	18.43	18.32	19.2	0
20	QPSK	1	99	18.22	18.49	18.27		
20	QPSK	50	0	18.26	18.48	18.35		
20	QPSK	50	24	18.33	18.40	18.38	19.2	0
20	QPSK	50	50	18.23	18.38	18.34		
20	QPSK	100	0	18.41	18.43	18.35		
20	16QAM	1	0	18.24	18.37	18.27		
20	16QAM	1	49	18.28	18.50	18.35	19.2	0
20	16QAM	1	99	18.34	18.44	18.35		
20	16QAM	50	0	18.24	18.46	18.29		
20	16QAM	50	24	18.28	18.43	18.33	19.2	0
20	16QAM	50	50	18.23	18.47	18.28		
20	16QAM	100	0	18.24	18.47	18.32		
20	64QAM	1	0	18.20	18.47	18.37		
20	64QAM	1	49	18.31	18.40	18.34	19.2	0
20	64QAM	1	99	18.26	18.48	18.34		
20	64QAM	50	0	18.25	18.44	18.30		
20	64QAM	50	24	18.25	18.40	18.36	19.2	0
20	64QAM	50	50	18.28	18.38	18.28		
20	64QAM	100	0	18.28	18.49	18.32		
20	256QAM	1	0	18.26	18.47	18.36		
20	256QAM	1	49	18.26	18.47	18.31	19.2	0
20	256QAM	1	99	18.26	18.39	18.40		
20	256QAM	50	0	18.28	18.39	18.33		
20	256QAM	50	24	18.20	18.40	18.27	19.2	0
20	256QAM	50	50	18.20	18.39	18.36		
20	256QAM	100	0	18.27	18.37	18.38		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	18.17	18.40	18.27		
15	QPSK	1	37	18.15	18.35	18.20	19.2	0
15	QPSK	1	74	18.14	18.38	18.20		
15	QPSK	36	0	18.14	18.33	18.16		
15	QPSK	36	20	18.10	18.40	18.25	19.2	0
15	QPSK	36	39	18.15	18.27	18.18		
15	QPSK	75	0	18.15	18.38	18.22		
15	16QAM	1	0	18.17	18.37	18.24		
15	16QAM	1	37	18.13	18.32	18.25	19.2	0
15	16QAM	1	74	18.22	18.32	18.22		
15	16QAM	36	0	18.13	18.35	18.21		
15	16QAM	36	20	18.15	18.33	18.27	19.2	0
15	16QAM	36	39	18.11	18.41	18.18		
15	16QAM	75	0	18.20	18.33	18.24		
15	64QAM	1	0	18.16	18.35	18.23		
15	64QAM	1	37	18.16	18.31	18.26	19.2	0
15	64QAM	1	74	18.10	18.37	18.29		
15	64QAM	36	0	18.22	18.28	18.29		
15	64QAM	36	20	18.23	18.30	18.17	19.2	0
15	64QAM	36	39	18.20	18.34	18.30		
15	64QAM	75	0	18.16	18.27	18.30		
15	256QAM	1	0	18.15	18.38	18.24		
15	256QAM	1	37	18.16	18.29	18.21	19.2	0
15	256QAM	1	74	18.22	18.36	18.25		
15	256QAM	36	0	18.21	18.40	18.21		
15	256QAM	36	20	18.23	18.36	18.22	19.2	0
15	256QAM	36	39	18.19	18.31	18.21		
15	256QAM	75	0	18.11	18.28	18.24		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	18.10	18.37	18.21		
10	QPSK	1	25	18.23	18.34	18.16	19.2	0
10	QPSK	1	49	18.13	18.37	18.29		
10	QPSK	25	0	18.12	18.32	18.17		
10	QPSK	25	12	18.16	18.32	18.19	19.2	0
10	QPSK	25	25	18.21	18.41	18.27		
10	QPSK	50	0	18.20	18.38	18.29		
10	16QAM	1	0	18.21	18.39	18.19		
10	16QAM	1	25	18.20	18.30	18.28	19.2	0
10	16QAM	1	49	18.20	18.29	18.19		
10	16QAM	25	0	18.11

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	19.89	20.05	19.92	20.7	0
20	QPSK	1	49	19.83	19.92	19.82		
20	QPSK	1	99	19.92	19.94	19.82		
20	QPSK	50	0	19.93	19.99	19.94	20.7	0
20	QPSK	50	24	19.85	19.87	19.81		
20	QPSK	50	50	19.87	19.91	19.94		
20	QPSK	100	0	19.83	19.90	19.88		
20	16QAM	1	0	19.85	19.95	19.87	20.7	0
20	16QAM	1	49	19.82	19.96	19.90		
20	16QAM	1	99	19.90	19.87	19.84		
20	16QAM	50	0	19.83	19.86	19.84	20.7	0
20	16QAM	50	24	19.86	19.89	19.81		
20	16QAM	50	50	19.91	19.89	19.86		
20	16QAM	100	0	19.82	19.93	19.88		
20	64QAM	1	0	19.88	19.98	19.82	20.7	0
20	64QAM	1	49	19.84	19.87	19.93		
20	64QAM	1	99	19.81	19.93	19.82		
20	64QAM	50	0	19.83	19.93	19.94	20.7	0
20	64QAM	50	24	19.92	19.98	19.81		
20	64QAM	50	50	19.93	19.97	19.91		
20	64QAM	100	0	19.88	19.91	19.88		
20	256QAM	1	0	19.81	19.92	19.86	20.7	0
20	256QAM	1	49	19.82	19.87	19.83		
20	256QAM	1	99	19.84	19.92	19.83		
20	256QAM	50	0	19.87	19.96	19.84	20.7	0
20	256QAM	50	24	19.89	19.86	19.93		
20	256QAM	50	50	19.82	19.99	19.93		
20	256QAM	100	0	19.87	19.92	19.84		
Channel				37825	38000	38175	Tune-up limit	MPR
Frequency (MHz)				2577.5	2595	2612.5	(dBm)	(dB)
15	QPSK	1	0	19.95	19.94	19.93	20.7	0
15	QPSK	1	37	19.92	19.97	19.95		
15	QPSK	1	74	19.87	20.03	19.88		
15	QPSK	36	0	19.87	19.97	19.96	20.7	0
15	QPSK	36	20	19.91	19.95	19.87		
15	QPSK	36	39	19.86	19.90	19.91		
15	QPSK	75	0	19.95	19.91	19.93		
15	16QAM	1	0	19.96	19.99	19.97	20.7	0
15	16QAM	1	37	19.86	19.91	19.88		
15	16QAM	1	74	19.85	20.00	19.87		
15	16QAM	36	0	19.96	20.02	19.93	20.7	0
15	16QAM	36	20	19.88	20.04	19.95		
15	16QAM	36	39	19.98	20.01	19.88		
15	16QAM	75	0	19.96	19.94	19.97		
15	64QAM	1	0	19.96	20.03	19.89	20.7	0
15	64QAM	1	37	19.89	20.02	19.87		
15	64QAM	1	74	19.88	19.95	19.96		
15	64QAM	36	0	19.90	19.94	19.96	20.7	0
15	64QAM	36	20	19.97	19.96	19.95		
15	64QAM	36	39	19.97	19.93	19.97		
15	64QAM	75	0	19.85	19.95	19.97		
15	256QAM	1	0	19.98	20.01	19.94	20.7	0
15	256QAM	1	37	19.94	19.92	19.91		
15	256QAM	1	74	19.88	19.95	19.98		
15	256QAM	36	0	19.88	19.95	19.94	20.7	0
15	256QAM	36	20	19.86	19.92	19.92		
15	256QAM	36	39	19.91	20.02	19.92		
15	256QAM	75	0	19.98	20.01	19.95		
Channel				37800	38000	38200	Tune-up limit	MPR
Frequency (MHz)				2572	2595	2618	(dBm)	(dB)
10	QPSK	1	0	19.94	19.98	19.85	20.7	0
10	QPSK	1	25	19.91	19.97	19.87		
10	QPSK	1	49	19.97	19.91	19.98		
10	QPSK	25	0	19.94	19.98	19.92	20.7	0
10	QPSK	25	12	19.96	20.00	19.87		
10	QPSK	25	25	19.95	19.95	19.88		
10	QPSK	50	0	19.92	19.90	19.87		
10	16QAM	1	0	19.97	20.02	19.94	20.7	0
10	16QAM	1	25	19.85	19.91	19.97		
10	16QAM	1	49	19.94	19.93	19.85		
10	16QAM	25	0	19.95	20.03	19.92	20.7	0
10	16QAM	25	12	19.94	19.96	19.98		
10	16QAM	25	25	19.94	19.92	19.90		
10	16QAM	50	0	19.86	19.92	19.94		
10	64QAM	1	0	19.94	20.02	19.86	20.7	0
10	64QAM	1	25	19.94	19.95	19.92		
10	64QAM	1	49	19.85	20.01	19.98		
10	64QAM	25	0	19.86	19.97	19.87	20.7	0
10	64QAM	25	12	19.87	19.96	19.87		
10	64QAM	25	25	19.93	19.91	19.94		
10	64QAM	50	0	19.96	19.99	19.88		
10	256QAM	1	0	19.95	20.01	19.88	20.7	0
10	256QAM	1	25	19.98	19.91	19.98		
10	256QAM	1	49	19.86	19.99	19.95		
10	256QAM	25	0	19.93	19.98	19.98	20.7	0
10	256QAM	25	12	19.96	19.90	19.99		
10	256QAM	25	25	19.95	19.91	19.91		
10	256QAM	50	0	19.88	19.94	19.94		
Channel				37775	38000	38225	Tune-up limit	MPR
Frequency (MHz)				2572.5	2595	2617.5	(dBm)	(dB)
5	QPSK	1	0	19.85	19.96	19.88	20.7	0
5	QPSK	1	12	19.97	20.01	19.86		
5	QPSK	1	24	19.91	20.01	19.98		
5	QPSK	12	0	19.96	20.00	19.91	20.7	0
5	QPSK	12	7	19.94	19.96	19.93		
5	QPSK	12	13	19.86	19.99	19.86		
5	QPSK	25	0	19.84	19.92	19.93		
5	16QAM	1	0	19.89	19.93	19.91	20.7	0
5	16QAM	1	12	19.93	20.03	19.94		
5	16QAM	1	24	19.91	19.94	19.96		
5	16QAM	12	0	19.91	20.01	19.94	20.7	0
5	16QAM	12	7	19.96	20.02	19.90		
5	16QAM	12	13	19.87	19.93	19.98		
5	16QAM	25	0	19.93	19.91	19.90		
5	64QAM	1	0	19.90	19.94	19.93	20.7	0
5	64QAM	1	12	19.94	20.01	19.95		
5	64QAM	1	24	19.94	19.99	19.90		
5	64QAM	12	0	19.93	20.03	19.94	20.7	0
5	64QAM	12	7	19.89	19.93	19.90		
5	64QAM	12	13	19.85	19.99	19.88		
5	64QAM	25	0	19.98	20.04	19.88		
5	256QAM	1	0	19.87	20.04	19.97	20.7	0
5	256QAM	1	12	19.90	19.93	19.96		
5	256QAM	1	24	19.84	20.01	19.86		
5	256QAM	12	0	19.87	19.94	19.96	20.7	0
5	256QAM	12	7	19.89	19.93	19.86		
5	256QAM	12	13	19.90	19.96	19.94		
5	256QAM	25	0	19.98	19.92	19.97		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.3	2593	2636.5	2680		
20	QPSK	1	0	19.91	19.95	20.07	20.00	19.89	20.7	0
20	QPSK	1	49	19.86	19.95	19.99	19.93	19.86		
20	QPSK	1	99	19.86	20.03	20.03	19.95	19.88		
20	QPSK	50	0	19.95	19.91	20.04	20.02	19.90	20.7	0
20	QPSK	50	24	19.92	19.95	19.98	19.99	19.84		
20	QPSK	50	50	19.94	19.93	19.96	19.94	19.85		
20	QPSK	100	0	19.85	19.97	20.02	19.92	19.80		
20	16QAM	1	0	19.87	19.94	20.00	19.99	19.88	20.7	0
20	16QAM	1	49	19.93	20.02	20.02	19.93	19.82		
20	16QAM	1	99	19.93	20.02	19.98	20.02	19.91		
20	16QAM	50	0	19.89	19.96	20.00	19.93	19.93	20.7	0
20	16QAM	50	24	19.92	20.03	19.99	19.96	19.86		
20	16QAM	50	50	19.97	19.96	19.98	19.95	19.93		
20	16QAM	100	0	19.94	20.02	20.04	19.99	19.90		
20	64QAM	1	0	19.94	19.95	20.00	19.90	19.93	20.7	0
20	64QAM	1	49	19.87	20.02	19.96	19.92	19.87		
20	64QAM	1	99	19.91	20.01	20.02	20.04	19.93		
20	64QAM	50	0	19.85	19.94	19.96	20.01	19.90	20.7	0
20	64QAM	50	24	19.97	20.03	19.96	19.91	19.84		
20	64QAM	50	50	19.92	19.95	19.97	19.95	19.82		
20	64QAM	100	0	19.89	20.03	19.98	20.00	19.91		
20	256QAM	1	0	19.91	19.99	19.99	20.00	19.89	20.7	0
20	256QAM	1	49	19.85	19.95	19.96	19.92	19.92		
20	256QAM	1	99	19.94	20.01	20.01	19.99	19.84		
20	256QAM	50	0	19.86	19.92	19.98	20.01	19.82	20.7	0
20	256QAM	50	24	19.93	19.97	19.97	19.95	19.82		
20	256QAM	50	50	19.89	19.96	20.04	19.98	19.82		
20	256QAM	100	0	19.93	19.89	20.01	20.00	19.87		
Channel				39725	40173	40620	41068	41515	Tune-up limit	MPR
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5	(dBm)	(dB)
15	QPSK	1	0	19.76	19.83	19.86	19.83	19.78	21	0
15	QPSK	1	37	19.75	19.85	19.83	19.86	19.72		
15	QPSK	1	74	19.83	19.85	19.90	19.91	19.83		
15	QPSK	36	0	19.80	19.84	19.95	19.88	19.70	20.7	0
15	QPSK	36	20	19.78	19.80	19.93	19.93	19.77		
15	QPSK	36	39	19.81	19.92	19.95	19.93	19.81		
15	QPSK	75	0	19.81	19.80	19.88	19.88	19.77		
15	16QAM	1	0	19.84	19.92	19.85	19.84	19.72	20.7	0
15	16QAM	1	37	19.79	19.88	19.93	19.85	19.71		
15	16QAM	1	74	19.74	19.93	19.84	19.87	19.76		
15	16QAM	36	0	19.76	19.89	19.84	19.83	19.76	20.7	0
15	16QAM	36	20	19.84	19.92	19.93	19.83	19.83		
15	16QAM	36	39	19.79	19.84	19.87	19.81	19.80		
15	16QAM	75	0	19.79	19.80	19.84	19.88	19.72		
15	64QAM	1	0	19.88	19.82	19.88	19.90	19.83	20.7	0
15	64QAM	1	37	19.88	19.86	19.95	19.92	19.75		
15	64QAM	1	74	19.84	19.87	19.84	19.81	19.73		
15	64QAM	36	0	19.77	19.89	19.84	19.88	19.79	20.7	0
15	64QAM	36	20	19.86	19.85	19.84	19.92	19.82		
15	64QAM	36	39	19.80	19.80	19.90	19.88	19.80		
15	64QAM	75	0	19.84	19.92	19.89	19.81	19.79		
15	256QAM	1	0	19.81	19.87	19.90	19.90	19.81	20.7	0
15	256QAM	1	37	19.85	19.88	19.83	19.82	19.82		
15	256QAM	1	74	19.77	19.86	19.84	19.91	19.83		
15	256QAM	36	0	19.78	19.91	19.84	19.83	19.75	20.7	0
15	256QAM	36	20	19.83	19.85	19.89	19.92	19.81		
15	256QAM	36	39	19.80	19.82	19.85	19.81	19.78		
15	256QAM	75	0	19.82	19.81	19.89	19.80	19.72		
Channel				39700	40160	40620	41080	41540	Tune-up limit	MPR
Frequency (MHz)				2501	2547	2593	2639	2685	(dBm)	(dB)
10	QPSK	1	0	19.77	19.87	19.88	19.87	19.84	21	0
10	QPSK	1	25	19.78	19.87	19.89	19.83	19.70		
10	QPSK	1	49	19.81	19.88	19.95	19.89	19.80		
10	QPSK	25	0	19.94	19.89	19.93	19.83	19.70	20.7	0
10	QPSK	25	12	19.80	19.91	19.85	19.93	19.74		
10	QPSK	25	25	19.83	19.84	19.82	19.90	19.76		
10	QPSK	50	0	19.75	19.86	19.95	19.86	19.73		
10	16QAM	1	0	19.83	19.89	19.88	19.86	19.82	20.7	0
10	16QAM	1	25	19.75	19.93	19.93	19.91	19.74		
10	16QAM	1	49	19.78	19.90	19.92	19.94	19.79		
10	16QAM	25	0	19.82	19.93	19.92	19.81	19.72	20.7	0
10	16QAM	25	12	19.77	19.85	19.90	19.92	19.77		
10	16QAM	25	25	19.87	19.88	19.88	19.86	19.74		
10	16QAM	50	0	19.83	19.88	19.90	19.88	19.80		
10	64QAM	1	0	19.87	19.83	19.95	19.88	19.84	20.7	0
10	64QAM	1	25	19.86	19.81	19.91	19.84	19.83		
10	64QAM	1	49	19.85	19.85	19.83	19.87	19.72		
10	64QAM	25	0	19.75	19.88	19.89	19.81	19.74	20.7	0
10	64QAM	25	12	19.87	19.85	19.84	19.85	19.76		
10	64QAM	25	25	19.85	19.82	19.86	19.90	19.74		
10	64QAM	50	0	19.74	19.80	19.83	19.81	19.80		
10	256QAM	1	0	19.87	19.86	19.94	19.83	19.71	20.7	0
10	256QAM	1	25	19.84	19.87	19.94	19.93	19.71		
10	256QAM	1	49	19.84	19.90	19.89	19.88	19.83		
10	256QAM	25	0	19.87	19.79	19.83	19.82	19.76	20.7	0
10	256QAM	25	12	19.79	19.87	19.91	19.92	19.83		
10	256QAM	25	25	19.84	19.82	19.93	19.83	19.82		
10	256QAM	50	0	19.79	19.81	19.94	19.83	19.77		
Channel				39675	40148	40620	41093	41565	Tune-up limit	MPR
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5	(dBm)	(dB)
5	QPSK	1	0	19.74	19.80	19.95	19.92	19.80	21	0
5	QPSK	1	12	19.84	19.90	19.84	19.83	19.74		
5	QPSK	1	24	19.84	19.83	19.95	19.94	19.79		
5	QPSK	12	0	19.76	19.89	19.84	19.83	19.76	20.7	0
5	QPSK	12	7	19.81	19.82	19.93	19.81	19.83		
5	QPSK	12	13	19.83	19.85	19.86	19.82	19.79		
5	QPSK	25	0	19.86	19.87	19.85	19.84	19.74		
5	16QAM	1	0	19.79	19.90	19.92	19.93	19.72	20.7	0
5	16QAM	1	12	19.86	19.91	19.92	19.89	19.77		
5	16QAM	1	24	19.75	19.91	19.83	19.84	19.71		
5	16QAM	12	0	19.82	19.92	19.83	19.89	19.75	20.7	0
5	16QAM	12	7	19.74	19.90	19.93	19.92	19.80		
5	16QAM	12	13	19.86	19.81	19.86	19.86	19.83		
5	16QAM	25	0	19.86	19.93	19.94	19.86	19.72		
5	64QAM	1	0	19.85	19.79	19.85	19.85	19.71	20.7	0
5	64QAM	1	12	19.87	19.84	19.82	19.80	19.81		
5	64QAM	1	24	19.79	19.82	19.96	19.89	19.78		
5	64QAM	12	0	19.86	19.86	19.85	19.82	19.73	20.7	0
5	64QAM	12	7	19.82	19.85	19.92	19.93	19.75		
5	64QAM	12	13	19.74	19.87	19.92	19.93	19.81		
5	64QAM	25	0	19.76	19.90	19.85	19.91	19.73		
5	256QAM	1	0	19.83	19.80	19.92	19.93	19.72	20.7	0
5	256QAM	1	12	19.79	19.80	19.87	19.88	19.83		
5	256QAM	1	24	19.83	19.80	19.87	19.89	19.72		
5	256QAM	12	0	19.85	19.90	19.90	19.89	19.83	20.7	0
5	256QAM	12	7	19.87	19.83	19.94	19.92	19.78		
5	256QAM	12	13	19.81	19.85	19.90	19.89	19.81		
5	256QAM	25	0	19.87	19.79	19.88	19.82	19.78		

Band 2 Other PA Ant2 ECI5

BW [MHz]	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	21.10	21.15	21.09		
20	QPSK	1	49	21.07	21.07	21.06	22	0
20	QPSK	1	99	21.13	21.10	21.08		
20	QPSK	50	0	21.04	21.14	21.08		
20	QPSK	50	24	21.02	21.13	21.10	22	0
20	QPSK	50	50	21.10	21.01	21.07		
20	QPSK	100	0	21.10	21.12	21.09		
20	16QAM	1	0	21.12	21.11	21.07		
20	16QAM	1	49	21.09	21.12	21.04	22	0
20	16QAM	1	99	21.07	21.14	21.13		
20	16QAM	50	0	21.13	21.13	21.05		
20	16QAM	50	24	21.07	21.12	21.09	22	0
20	16QAM	50	50	21.06	21.11	21.14		
20	16QAM	100	0	21.10	21.03	21.07		
20	64QAM	1	0	21.12	21.11	21.12		
20	64QAM	1	49	21.05	21.03	21.07	22	0
20	64QAM	1	99	21.04	21.12	21.05		
20	64QAM	50	0	21.09	21.07	21.06		
20	64QAM	50	24	21.11	21.06	21.10	22	0
20	64QAM	50	50	21.08	21.14	21.03		
20	64QAM	100	0	21.09	21.11	21.08		
20	256QAM	1	0	19.77	19.82	19.71		
20	256QAM	1	49	19.76	19.83	19.74	20.5	1.5
20	256QAM	1	99	19.69	19.76	19.67		
20	256QAM	50	0	19.78	19.72	19.72		
20	256QAM	50	24	19.77	19.74	19.69	20.5	1.5
20	256QAM	50	50	19.79	19.80	19.68		
20	256QAM	100	0	19.71	19.77	19.72		
Channel				18675	18900	19125	Tune-up limit	MPR
Frequency (MHz)				1857.5	1880	1902.5	(dBm)	(dB)
15	QPSK	1	0	21.04	21.01	20.97		
15	QPSK	1	37	21.02	21.02	20.89	22	0
15	QPSK	1	74	21.01	21.08	21.01		
15	QPSK	36	0	21.01	20.98	20.99		
15	QPSK	36	20	21.06	21.05	20.98	22	0
15	QPSK	36	39	21.01	21.13	21.02		
15	QPSK	75	0	20.96	21.14	21.08		
15	16QAM	1	0	21.04	20.96	20.95		
15	16QAM	1	37	21.01	20.96	20.98	22	0
15	16QAM	1	74	20.97	20.98	21.07		
15	16QAM	36	0	21.08	21.06	20.95		
15	16QAM	36	20	20.98	21.06	20.99	22	0
15	16QAM	36	39	21.01	21.11	21.01		
15	16QAM	75	0	21.03	21.13	21.00		
15	64QAM	1	0	20.95	21.02	20.97		
15	64QAM	1	37	21.13	21.14	20.93	22	0
15	64QAM	1	74	20.99	21.14	20.88		
15	64QAM	36	0	21.12	21.13	20.96		
15	64QAM	36	20	21.12	21.06	21.01	22	0
15	64QAM	36	39	21.13	21.11	20.86		
15	64QAM	75	0	21.00	20.97	20.96		
15	256QAM	1	0	19.67	19.71	19.58		
15	256QAM	1	37	19.59	19.67	19.69	20.5	1.5
15	256QAM	1	74	19.56	19.64	19.55		
15	256QAM	36	0	19.74	19.57	19.63		
15	256QAM	36	20	19.72	19.66	19.58	20.5	1.5
15	256QAM	36	39	19.69	19.71	19.59		
15	256QAM	75	0	19.61	19.68	19.55		
Channel				18650	18900	19150	Tune-up limit	MPR
Frequency (MHz)				1855	1880	1905	(dBm)	(dB)
10	QPSK	1	0	20.93	20.99	20.94		
10	QPSK	1	25	21.13	21.00	20.96	22	0
10	QPSK	1	49	21.04	21.05	20.91		
10	QPSK	25	0	21.14	21.00	20.96		
10	QPSK	25	12	21.03	21.05	21.01	22	0
10	QPSK	25	25	21.00	21.11	20.93		
10	QPSK	50	0	21.02	21.06	20.98		
10	16QAM	1	0	21.08	21.05	20.94		
10	16QAM	1	25	20.94	21.05	20.98	22	0
10	16QAM	1	49	20.98	21.10	21.01		
10	16QAM	25	0	21.00	21.05	21.01		
10	16QAM	25	12	21.00	21.06	20.94	22	0
10	16QAM	25	25	21.02	21.03	20.98		
10	16QAM	50	0	20.96	21.07	20.98		
10	64QAM	1	0	20.98	20.94	20.98		
10	64QAM	1	25	21.07	21.10	21.04	22	0
10	64QAM	1	49	21.07	21.05	20.96		
10	64QAM	25	0	21.14	21.11	20.94		
10	64QAM	25	12	21.13	21.06	20.93	22	0
10	64QAM	25	25	21.01	20.99	20.95		
10	64QAM	50	0	21.03	20.95	21.03		
10	256QAM	1	0	19.69	19.77	19.59		
10	256QAM	1	25	19.62	19.71	19.70	20.5	1.5
10	256QAM	1	49	19.60	19.70	19.51		
10	256QAM	25	0	19.69	19.69	19.59		
10	256QAM	25	12	19.63	19.68	19.56	20.5	1.5
10	256QAM	25	25	19.72	19.75	19.58		
10	256QAM	50	0	19.54	19.68	19.60		
Channel				18625	18900	19175	Tune-up limit	MPR
Frequency (MHz)				1852.5	1880	1907.5	(dBm)	(dB)
5	QPSK	1	0	20.94	21.03	20.99		
5	QPSK	1	12	21.10	21.12	20.90	22	0
5	QPSK	1	24	21.08	21.09	21.03		
5	QPSK	12	0	21.14	21.05	20.99		
5	QPSK	12	7	21.11	21.09	20.96	22	0
5	QPSK	12	13	21.05	21.07	20.94		
5	QPSK	25	0	20.94	21.11	21.07		
5	16QAM	1	0	21.03	21.00	20.93		
5	16QAM	1	12	21.04	21.08	20.98	22	0
5	16QAM	1	24	21.00	21.01	21.06		
5	16QAM	12	0	21.02	21.00	20.96		
5	16QAM	12	7	21.04	20.99	20.99	22	0
5	16QAM	12	13	20.92	21.07	21.07		
5	16QAM	25	0	21.01	21.10	21.01		
5	64QAM	1	0	21.03	21.02	21.03		
5	64QAM	1	12	21.06	21.06	20.96	22	0
5	64QAM	1	24	20.99	21.11	21.01		
5	64QAM	12	0	21.10	21.14	20.95		
5	64QAM	12	7	21.12	21.12	21.05	22	0
5	64QAM	12	13	21.14	21.10	20.92		
5	64QAM	25	0	21.00	21.00	20.93		
5	256QAM	1	0	19.68	19.76	19.58		
5	256QAM	1	12	19.63	19.78	19.62	20.5	1.5
5	256QAM	1	24	19.59	19.66	19.63		
5	256QAM	12	0	19.66	19.65	19.56		
5	256QAM	12	7	19.66	19.60	19.57	20.5	1.5
5	256QAM	12	13	19.67	19.76	19.60		
5	256QAM	25	0	19.63	19.66	19.58		
Channel				18615	18900	19185	Tune-up limit	MPR
Frequency (MHz)				1851.5	1880	1908.5	(dBm)	(dB)
3	QPSK	1	0	21.07	21.06	20.93		
3	QPSK	1	8	21.11	21.09	20.95	22	0
3	QPSK	1	14	21.13	21.05	20.95		
3	QPSK	8	0	21.06	21.06	21.00		
3	QPSK	8	4	21.13	21.07	21.03	22	0
3	QPSK	8	7	21.07	21.12	21.01		
3	QPSK	15	0	21.01	21.06	21.07		
3	16QAM	1	0	21.11	21.04	21.03		
3	16QAM	1	8	21.05	21.04	20.94	22	0
3	16QAM	1	14	20.91	20.99	21.02		
3	16QAM	8	0	21.05	21.04	20.88		
3	16QAM	8	4	21.01	20.98	20.93	22	0
3	16QAM	8	7	21.00	21.10	21.07		
3	16QAM	15	0	21.03	21.07	20.94		
3	64QAM	1	0	21.06	21.06	21.02		
3	64QAM	1	8	21.12	21.10	20.95	22	0
3	64QAM	1	14	21.02	21.11	20.97		
3	64QAM	8	0	21.01	21.09	21.00		
3	64QAM	8	4	21.01	21.10	20.94	22	0
3	64QAM	8	7	21.06	20.99	20.90		
3	64QAM	15	0	21.02	21.06	20.97		
3	256QAM	1	0	19.63	19.69	19.61		
3	256QAM	1	8	19.72	19.79	19.67	20.5	1.5
3	256QAM	1	14	19.55	19.65	19.60		
3	256QAM	8	0	19.70	19.60	19.60		
3	256QAM	8	4	19.61	19.61	19.54	20.5	1.5
3	256QAM	8	7	19.72	19.63	19.61		
3	256QAM	15	0	19.55	19.63	19.55		
Channel				18607	18900	19193	Tune-up limit	MPR
Frequency (MHz)				1850.7	1880	1909.3	(dBm)	(dB)
1.4	QPSK	1	0	21.01	20.95	20.99		
1.4	QPSK	1	3	21.02	21.07	21.02		
1.4	QPSK	1	5	21.12	21.05	21.04	22	0
1.4	QPSK	3	0	21.04	21.03	20.94		
1.4	QPSK	3	1	21.08	21.08	21.02		
1.4	QPSK	3	3	21.05	21.12	20.91		
1.4	QPSK	6	0	21.00	21.10	21.09	22	0
1.4	16QAM	1	0	21.13	21.07	20.92		
1.4	16QAM	1	3	21.01	20.97	20.90		
1.4	16QAM	1	5	21.03	21.05	21.11	22	0
1.4	16QAM	3	0	21.01	21.01	21.00		
1.4	16QAM	3	1	20.92	21.07	20.99		
1.4	16QAM	3	3	21.02	21.05	21.09		
1.4	16QAM	6	0	21.03	21.02	20.97	22	0
1.4	64QAM	1	0	20.96	21.03	21.00		
1.4	64QAM	1	3	21.06	21.06	20.97		
1.4	64QAM	1	5	20.98	21.09	20.93	22	0
1.4	64QAM	3	0	21.14	21.06	20.92		
1.4	64QAM	3	1	21.05	21.06	21.04		
1.4	64QAM	3	3	21.10	21.05	20.97		
1.4	64QAM	6	0	20.98	20.98	20.93	22	0
1.4	256QAM	1	0	19.68	19.77	19.54		
1.4	256QAM	1	3	19.62	19.74	19.58		
1.4	256QAM	1	5	19.60	19.69	19.51	20.5	1.5
1.4	256QAM	3	0	19.65	19.67	19.55		
1.4	256QAM	3	1	19.70	19.70	19.55		
1.4	256QAM	3	3	19.76	19.74	19.54		
1.4	256QAM	6	0	19.61	19.72	19.60	20.5	1.5

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BW [MHz]	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	20.13	20.17	20.08		
20	QPSK	1	49	20.04	20.12	19.98	20.7	0
20	QPSK	1	99	19.99	20.13	20.06		
20	QPSK	50	0	19.96	20.16	20.06		
20	QPSK	50	24	20.03	20.13	20.09	20.7	0
20	QPSK	50	50	20.03	20.08	19.98		
20	QPSK	100	0	19.93	20.14	19.97		
20	16QAM	1	0	20.01	20.11	19.99		
20	16QAM	1	49	19.90	20.11	19.99	20.7	0
20	16QAM	1	99	19.91	20.10	20.01		
20	16QAM	50	0	19.96	20.16	20.08		
20	16QAM	50	24	19.98	20.10	20.03	20.7	0
20	16QAM	50	50	19.98	20.11	20.01		
20	16QAM	100	0	19.94	20.08	20.07		
20	64QAM	1	0	19.96	20.06	19.95		
20	64QAM	1	49	19.97	20.06	19.98	20.7	0
20	64QAM	1	99	19.90	20.05	20.05		
20	64QAM	50	0	19.96	20.09	20.04		
20	64QAM	50	24	19.94	20.03	20.00	20.7	0
20	64QAM	50	50	19.99	20.02	20.06		
20	64QAM	100	0	19.97	20.09	19.98		
20	256QAM	1	0	19.95	20.16	20.03		
20	256QAM	1	49	19.91	20.03	19.99	20.7	0
20	256QAM	1	99	19.98	20.11	20.07		
20	256QAM	50	0	20.03	20.11	20.06		
20	256QAM	50	24	19.98	20.03	20.01	20.7	0
20	256QAM	50	50	19.96	20.11	20.04		
20	256QAM	100	0	20.03	20.11	19.98		
Channel				20825	21100	21375	Tune-up limit	MPR
Frequency (MHz)				2507.5	2535	2562.5	(dBm)	(dB)
15	QPSK	1	0	19.86	20.00	19.87		
15	QPSK	1	37	19.92	19.93	19.85	20.7	0
15	QPSK	1	74	19.90	19.93	19.91		
15	QPSK	36	0	19.88	20.02	19.90		
15	QPSK	36	20	19.90	19.96	19.98	20.7	0
15	QPSK	36	39	19.88	19.97	19.97		
15	QPSK	75	0	19.85	20.05	19.94		
15	16QAM	1	0	19.85	20.02	19.95		
15	16QAM	1	37	19.87	19.93	19.99	20.7	0
15	16QAM	1	74	19.88	20.01	19.96		
15	16QAM	36	0	19.83	20.01	19.96		
15	16QAM	36	20	19.84	20.05	19.97	20.7	0
15	16QAM	36	39	19.86	20.02	19.99		
15	16QAM	75	0	19.82	20.02	19.97		
15	64QAM	1	0	19.93	19.97	19.86		
15	64QAM	1	37	19.86	20.00	19.89	20.7	0
15	64QAM	1	74	19.92	20.02	19.93		
15	64QAM	36	0	19.87	19.96	19.88		
15	64QAM	36	20	19.91	20.00	19.96	20.7	0
15	64QAM	36	39	19.83	20.06	19.86		
15	64QAM	75	0	19.83	20.02	19.97		
15	256QAM	1	0	19.85	20.04	19.92		
15	256QAM	1	37	19.82	19.95	19.99	20.7	0
15	256QAM	1	74	19.81	20.03	19.95		
15	256QAM	36	0	19.93	19.95	19.89		
15	256QAM	36	20	19.86	20.00	19.96	20.7	0
15	256QAM	36	39	19.90	19.98	19.99		
15	256QAM	75	0	19.86	19.96	19.95		
Channel				20800	21100	21400	Tune-up limit	MPR
Frequency (MHz)				2505	2535	2565	(dBm)	(dB)
10	QPSK	1	0	19.88	19.94	19.93		
10	QPSK	1	25	19.89	20.06	19.95	20.7	0
10	QPSK	1	49	19.94	19.93	19.95		
10	QPSK	25	0	19.80	20.01	19.85		
10	QPSK	25	12	19.91	20.03	19.89	20.7	0
10	QPSK	25	25	19.93	19.97	19.93		
10	QPSK	50	0	19.85	19.97	19.98		
10	16QAM	1	0	19.83	19.92	19.90		
10	16QAM	1	25	19.83	19.98	19.86	20.7	0
10	16QAM	1	49	19.82	19.95	19.88		
10	16QAM	25	0	19.93	19.98	19.86		
10	16QAM	25	12	19.81	20.00	19.97	20.7	0
10	16QAM	25	25	19.92	19.96	19.93		
10	16QAM	50	0	19.81	19.99	19.93		
10	64QAM	1	0	19.83	20.05	19.88		
10	64QAM	1	25	19.84	19.93	19.93	20.7	0
10	64QAM	1	49	19.86	19.97	19.86		
10	64QAM	25	0	19.90	19.95	19.98		
10	64QAM	25	12	19.90	19.96	19.90	20.7	0
10	64QAM	25	25	19.81	19.97	19.92		
10	64QAM	50	0	19.85	19.94	19.99		
10	256QAM	1	0	19.89	19.96	19.95		
10	256QAM	1	25	19.86	20.00	19.96	20.7	0
10	256QAM	1	49	19.87	19.94	19.98		
10	256QAM	25	0	19.86	19.99	19.98		
10	256QAM	25	12	19.93	20.00	19.91	20.7	0
10	256QAM	25	25	19.86	19.93	19.87		
10	256QAM	50	0	19.88	20.04	19.94		
Channel				20775	21100	21425	Tune-up limit	MPR
Frequency (MHz)				2502.5	2535	2567.5	(dBm)	(dB)
5	QPSK	1	0	19.83	20.01	19.89		
5	QPSK	1	12	19.83	20.04	19.89	20.7	0
5	QPSK	1	24	19.84	19.98	19.93		
5	QPSK	12	0	19.89	19.98	19.87		
5	QPSK	12	7	19.83	19.94	19.93	20.7	0
5	QPSK	12	13	19.81	20.06	19.92		
5	QPSK	25	0	19.81	20.00	19.87		
5	16QAM	1	0	19.86	19.95	19.86		
5	16QAM	1	12	19.84	19.97	19.93	20.7	0
5	16QAM	1	24	19.83	19.99	19.96		
5	16QAM	12	0	19.86	19.93	19.90		
5	16QAM	12	7	19.80	19.94	19.99	20.7	0
5	16QAM	12	13	19.86	19.99	19.88		
5	16QAM	25	0	19.87	20.02	19.92		
5	64QAM	1	0	19.93	20.05	19.86		
5	64QAM	1	12	19.85	19.98	19.91	20.7	0
5	64QAM	1	24	19.85	19.94	19.96		
5	64QAM	12	0	19.80	20.05	19.88		
5	64QAM	12	7	19.89	20.04	19.96	20.7	0
5	64QAM	12	13	19.80	19.94	19.85		
5	64QAM	25	0	19.85	20.01	19.99		
5	256QAM	1	0	19.82	20.01	19.91		
5	256QAM	1	12	19.91	20.01	19.97	20.7	0
5	256QAM	1	24	19.83	19.99	19.87		
5	256QAM	12	0	19.84	20.04	19.95		
5	256QAM	12	7	19.89	19.95	19.89	20.7	0
5	256QAM	12	13	19.87	20.05	19.99		
5	256QAM	25	0	19.80	20.05	19.92		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.55	21.75	21.58	22.2	0
20	QPSK	1	49	21.60	21.74	21.74		
20	QPSK	1	99	21.55	21.71	21.64		
20	QPSK	50	0	21.65	21.73	21.64	22.2	0
20	QPSK	50	24	21.53	21.71	21.69		
20	QPSK	50	50	21.59	21.63	21.69		
20	QPSK	100	0	21.63	21.67	21.60		
20	16QAM	1	0	21.57	21.74	21.63	22.2	0
20	16QAM	1	49	21.58	21.72	21.69		
20	16QAM	1	99	21.61	21.69	21.72		
20	16QAM	50	0	21.54	21.60	21.73	22.2	0
20	16QAM	50	24	21.59	21.65	21.68		
20	16QAM	50	50	21.59	21.72	21.66		
20	16QAM	100	0	21.56	21.71	21.74		
20	64QAM	1	0	21.62	21.71	21.66	22.2	0
20	64QAM	1	49	21.59	21.64	21.65		
20	64QAM	1	99	21.64	21.59	21.64		
20	64QAM	50	0	21.62	21.66	21.63	22.2	0
20	64QAM	50	24	21.57	21.69	21.66		
20	64QAM	50	50	21.59	21.74	21.67		
20	64QAM	100	0	21.60	21.61	21.71		
20	256QAM	1	0	20.01	20.06	19.96	20.7	1.5
20	256QAM	1	49	19.97	20.05	20.00		
20	256QAM	1	99	20.01	20.11	20.04		
20	256QAM	50	0	20.02	20.11	20.02	20.7	1.5
20	256QAM	50	24	20.03	20.04	20.05		
20	256QAM	50	50	19.98	20.14	20.03		
20	256QAM	100	0	19.90	20.09	19.97		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.49	21.58	21.64	22.2	0
15	QPSK	1	37	21.43	21.61	21.59		
15	QPSK	1	74	21.38	21.58	21.72		
15	QPSK	36	0	21.53	21.56	21.51	22.2	0
15	QPSK	36	20	21.45	21.65	21.52		
15	QPSK	36	39	21.48	21.66	21.65		
15	QPSK	75	0	21.57	21.66	21.64		
15	16QAM	1	0	21.45	21.69	21.47	22.2	0
15	16QAM	1	37	21.54	21.74	21.59		
15	16QAM	1	74	21.47	21.63	21.67		
15	16QAM	36	0	21.42	21.64	21.58	22.2	0
15	16QAM	36	20	21.45	21.58	21.61		
15	16QAM	36	39	21.44	21.64	21.57		
15	16QAM	75	0	21.52	21.61	21.65		
15	64QAM	1	0	21.58	21.67	21.57	22.2	0
15	64QAM	1	37	21.43	21.69	21.50		
15	64QAM	1	74	21.49	21.71	21.55		
15	64QAM	36	0	21.52	21.61	21.66	22.2	0
15	64QAM	36	20	21.54	21.53	21.51		
15	64QAM	36	39	21.49	21.58	21.52		
15	64QAM	75	0	21.49	21.73	21.60		
15	256QAM	1	0	19.86	19.99	19.85	20.7	1.5
15	256QAM	1	37	19.92	19.92	19.96		
15	256QAM	1	74	19.91	19.97	20.00		
15	256QAM	36	0	19.99	20.02	19.94	20.7	1.5
15	256QAM	36	20	19.98	19.89	19.97		
15	256QAM	36	39	19.94	20.10	19.96		
15	256QAM	75	0	19.84	20.03	19.84		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	21.40	21.59	21.67	22.2	0
10	QPSK	1	25	21.43	21.60	21.70		
10	QPSK	1	49	21.41	21.66	21.63		
10	QPSK	25	0	21.49	21.64	21.58	22.2	0
10	QPSK	25	12	21.38	21.71	21.64		
10	QPSK	25	25	21.54	21.64	21.65		
10	QPSK	50	0	21.46	21.66	21.61		
10	16QAM	1	0	21.53	21.59	21.54	22.2	0
10	16QAM	1	25	21.45	21.62	21.57		
10	16QAM	1	49	21.56	21.62	21.55		
10	16QAM	25	0	21.47	21.68	21.62	22.2	0
10	16QAM	25	12	21.50	21.49	21.57		
10	16QAM	25	25	21.49	21.64	21.53		
10	16QAM	50	0	21.51	21.58	21.67		
10	64QAM	1	0	21.49	21.72	21.55	22.2	0
10	64QAM	1	25	21.53	21.69	21.59		
10	64QAM	1	49	21.61	21.73	21.54		
10	64QAM	25	0	21.47	21.71	21.63	22.2	0
10	64QAM	25	12	21.40	21.63	21.56		
10	64QAM	25	25	21.48	21.69	21.51		
10	64QAM	50	0	21.54	21.61	21.63		
10	256QAM	1	0	19.87	19.98	19.79	20.7	1.5
10	256QAM	1	25	19.85	19.90	19.87		
10	256QAM	1	49	19.85	20.07	19.89		
10	256QAM	25	0	19.87	19.96	19.99	20.7	1.5
10	256QAM	25	12	19.93	19.94	20.00		
10	256QAM	25	25	19.89	20.09	19.99		
10	256QAM	50	0	19.83	19.96	19.81		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.48	21.62	21.61	22.2	0
5	QPSK	1	12	21.49	21.63	21.63		
5	QPSK	1	24	21.40	21.67	21.69		
5	QPSK	12	0	21.52	21.65	21.56	22.2	0
5	QPSK	12	7	21.45	21.64	21.57		
5	QPSK	12	13	21.54	21.72	21.60		
5	QPSK	25	0	21.60	21.69	21.58		
5	16QAM	1	0	21.53	21.58	21.51	22.2	0
5	16QAM	1	12	21.42	21.66	21.66		
5	16QAM	1	24	21.55	21.64	21.64		
5	16QAM	12	0	21.41	21.67	21.61	22.2	0
5	16QAM	12	7	21.43	21.51	21.55		
5	16QAM	12	13	21.49	21.68	21.54		
5	16QAM	25	0	21.51	21.58	21.60		
5	64QAM	1	0	21.53	21.67	21.62	22.2	0
5	64QAM	1	12	21.49	21.70	21.53		
5	64QAM	1	24	21.50	21.73	21.53		
5	64QAM	12	0	21.51	21.68	21.64	22.2	0
5	64QAM	12	7	21.43	21.61	21.54		
5	64QAM	12	13	21.49	21.68	21.58		
5	64QAM	25	0	21.52	21.69	21.67		
5	256QAM	1	0	19.95	19.99	19.89	20.7	1.5
5	256QAM	1	12	19.94	19.94	19.91		
5	256QAM	1	24	19.88	20.03	19.88		
5	256QAM	12	0	19.87	19.99	19.90	20.7	1.5
5	256QAM	12	7	19.99	19.96	19.96		
5	256QAM	12	13	19.89	20.07	19.87		
5	256QAM	25	0	19.85	20.02	19.92		

Band 41 Other PA Ant2 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	22.55	22.62	22.74	22.61	22.54	23.2	0
20	QPSK	1	49	22.52	22.66	22.71	22.62	22.56		
20	QPSK	1	99	22.57	22.70	22.68	22.55	22.53		
20	QPSK	50	0	22.60	22.64	22.71	22.56	22.60		
20	QPSK	50	24	22.58	22.58	22.61	22.63	22.60		
20	QPSK	50	50	22.62	22.57	22.68	22.65	22.56		
20	QPSK	100	0	22.51	22.56	22.67	22.57	22.53		
20	16QAM	1	0	22.58	22.61	22.63	22.66	22.58	23.2	0
20	16QAM	1	49	22.57	22.65	22.71	22.56	22.58		
20	16QAM	1	99	22.58	22.65	22.72	22.66	22.48		
20	16QAM	50	0	22.61	22.70	22.68	22.64	22.61	23.2	0
20	16QAM	50	24	22.62	22.68	22.64	22.62	22.56		
20	16QAM	50	50	22.57	22.65	22.72	22.58	22.60		
20	16QAM	100	0	22.52	22.61	22.68	22.57	22.52		
20	64QAM	1	0	22.59	22.60	22.67	22.64	22.62	23.2	0
20	64QAM	1	49	22.65	22.62	22.70	22.65	22.53		
20	64QAM	1	99	22.55	22.62	22.65	22.64	22.51		
20	64QAM	50	0	22.12	22.12	22.19	22.14	22.04	22.7	0.5
20	64QAM	50	24	22.06	22.14	22.17	22.12	21.99		
20	64QAM	50	50	22.13	22.17	22.19	22.17	22.09		
20	64QAM	100	0	22.09	22.15	22.19	22.14	22.11		
20	256QAM	1	0	20.10	20.18	20.13	20.13	20.06	20.7	2.5
20	256QAM	1	49	20.03	20.12	20.14	20.07	20.09		
20	256QAM	1	99	20.05	20.07	20.20	20.18	20.01		
20	256QAM	50	0	20.01	20.16	20.20	20.12	20.02	20.7	2.5
20	256QAM	50	24	20.10	20.08	20.18	20.09	20.06		
20	256QAM	50	50	20.03	20.17	20.14	20.16	20.12		
20	256QAM	100	0	20.12	20.09	20.24	20.15	20.11		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	22.47	22.52	22.54	22.53	22.49	23	0
15	QPSK	1	37	22.44	22.55	22.59	22.59	22.40		
15	QPSK	1	74	22.50	22.59	22.52	22.48	22.39		
15	QPSK	36	0	22.48	22.53	22.59	22.43	22.48	23.2	0
15	QPSK	36	20	22.55	22.55	22.47	22.56	22.48		
15	QPSK	36	39	22.53	22.54	22.55	22.60	22.46		
15	QPSK	75	0	22.39	22.45	22.52	22.50	22.45		
15	16QAM	1	0	22.45	22.55	22.56	22.52	22.42	23.2	0
15	16QAM	1	37	22.41	22.50	22.64	22.46	22.46		
15	16QAM	1	74	22.49	22.54	22.62	22.55	22.34		
15	16QAM	36	0	22.47	22.59	22.61	22.58	22.46	23.2	0
15	16QAM	36	20	22.57	22.56	22.51	22.57	22.41		
15	16QAM	36	39	22.50	22.52	22.58	22.44	22.57		
15	16QAM	75	0	22.39	22.57	22.62	22.49	22.49		
15	64QAM	1	0	22.52	22.46	22.57	22.47	22.54	23.2	0
15	64QAM	1	37	22.57	22.55	22.66	22.50	22.48		
15	64QAM	1	74	22.48	22.51	22.59	22.56	22.41		
15	64QAM	36	0	22.00	22.05	22.15	22.07	21.90	22.7	0.5
15	64QAM	36	20	21.93	22.06	22.04	21.95	21.88		
15	64QAM	36	39	22.04	22.12	22.10	22.12	21.98		
15	64QAM	75	0	22.01	22.03	22.15	22.10	22.02		
15	256QAM	1	0	20.03	20.12	20.10	20.04	19.95	20.7	2.5
15	256QAM	1	37	19.95	19.99	19.98	19.91	20.05		
15	256QAM	1	74	19.89	20.00	20.05	20.06	19.93		
15	256QAM	36	0	19.91	20.04	20.10	19.96	19.92	20.7	2.5
15	256QAM	36	20	20.01	19.99	20.07	19.98	19.95		
15	256QAM	36	39	19.97	20.06	20.10	20.10	20.01		
15	256QAM	75	0	19.99	20.03	20.10	20.11	20.00		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	22.39	22.50	22.61	22.52	22.48	23	0
10	QPSK	1	25	22.47	22.59	22.55	22.57	22.42		
10	QPSK	1	49	22.54	22.56	22.61	22.50	22.44		
10	QPSK	25	0	22.53	22.54	22.69	22.44	22.47	23.2	0
10	QPSK	25	12	22.45	22.51	22.45	22.49	22.51		
10	QPSK	25	25	22.51	22.42	22.61	22.50	22.52		
10	QPSK	50	0	22.45	22.43	22.63	22.53	22.43		
10	16QAM	1	0	22.54	22.56	22.53	22.59	22.43	23.2	0
10	16QAM	1	25	22.49	22.58	22.58	22.52	22.52		
10	16QAM	1	49	22.43	22.54	22.66	22.56	22.39		
10	16QAM	25	0	22.45	22.54	22.55	22.50	22.49	23.2	0
10	16QAM	25	12	22.47	22.64	22.53	22.57	22.41		
10	16QAM	25	25	22.50	22.58	22.65	22.42	22.48		
10	16QAM	50	0	22.39	22.47	22.62	22.40	22.38		
10	64QAM	1	0	22.45	22.45	22.59	22.57	22.49	23.2	0
10	64QAM	1	25	22.61	22.55	22.63	22.56	22.45		
10	64QAM	1	49	22.46	22.49	22.56	22.50	22.39		
10	64QAM	25	0	22.06	22.09	22.03	22.04	21.94	22.7	0.5
10	64QAM	25	12	21.98	22.03	22.03	21.98	21.92		
10	64QAM	25	25	22.00	22.03	22.08	22.13	22.06		
10	64QAM	50	0	22.00	22.06	22.08	22.09	22.07		
10	256QAM	1	0	19.94	20.04	20.06	20.03	19.97	20.7	2.5
10	256QAM	1	25	19.88	20.04	20.00	19.94	19.95		
10	256QAM	1	49	20.00	19.98	20.04	20.12	19.92		
10	256QAM	25	0	19.91	20.09	20.05	20.00	19.95	20.7	2.5
10	256QAM	25	12	19.99	19.98	20.12	19.96	19.94		
10	256QAM	25	25	19.94	20.06	20.07	20.06	19.96		
10	256QAM	50	0	20.01	20.05	20.07	20.08	19.97		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	22.47	22.48	22.64	22.51	22.50	23	0
5	QPSK	1	12	22.43	22.51	22.60	22.53	22.51		
5	QPSK	1	24	22.51	22.56	22.61	22.50	22.43		
5	QPSK	12	0	22.56	22.58	22.68	22.48	22.43	23.2	0
5	QPSK	12	7	22.54	22.42	22.54	22.48	22.45		
5	QPSK	12	13	22.50	22.52	22.60	22.51	22.42		
5	QPSK	25	0	22.45	22.51	22.54	22.51	22.40		
5	16QAM	1	0	22.53	22.56	22.54	22.56	22.50	23.2	0
5	16QAM	1	12	22.51	22.59	22.61	22.49	22.42		
5	16QAM	1	24	22.48	22.53	22.70	22.56	22.45		
5	16QAM	12	0	22.51	22.54	22.52	22.54	22.55	23.2	0
5	16QAM	12	7	22.54	22.52	22.51	22.51	22.52		
5	16QAM	12	13	22.46	22.52	22.60	22.41	22.53		
5	16QAM	25	0	22.44	22.53	22.62	22.52	22.35		
5	64QAM	1	0	22.54	22.46	22.62	22.55	22.59	23.2	0
5	64QAM	1	12	22.53	22.52	22.55	22.49	22.47		
5	64QAM	1	24	22.50	22.55	22.55	22.57	22.36		
5	64QAM	12	0	22.02	22.02	22.14	21.98	21.91	22.7	0.5
5	64QAM	12	7	21.97	22.04	22.03	22.03	21.86		
5	64QAM	12	13	22.03	22.03	22.07	22.02	22.04		
5	64QAM	25	0	21.95	22.00	22.16	22.03	22.00		
5	256QAM	1	0	20.05	20.09	19.99	20.04	19.97	20.7	2.5
5	256QAM	1	12	19.94	19.97	20.05	20.00	19.95		
5	256QAM	1	24	19.99	20.00	20.09	20.06	19.97		
5	256QAM	12	0	19.94	20.02	20.08	20.01	19.98	20.7	2.5
5	256QAM	12	7	19.94	19.96	20.02	19.97	20.03		
5	256QAM	12	13	19.96	20.11	20.03	20.03	20.08		
5	256QAM	25	0	19.98	19.93	20.20	20.03	19.98		

Band 2 Other PA Ant4 ECI5

BW [MHz]	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	19.54	19.82	19.67	20.7	0
20	QPSK	1	49	19.51	19.68	19.56		
20	QPSK	1	99	19.61	19.76	19.64		
20	QPSK	50	0	19.58	19.79	19.66	20.7	0
20	QPSK	50	24	19.58	19.75	19.63		
20	QPSK	50	50	19.49	19.71	19.66		
20	QPSK	100	0	19.50	19.78	19.66		
20	16QAM	1	0	19.52	19.72	19.67	20.7	0
20	16QAM	1	49	19.56	19.77	19.60		
20	16QAM	1	99	19.50	19.78	19.59		
20	16QAM	50	0	19.51	19.74	19.56	20.7	0
20	16QAM	50	24	19.57	19.77	19.64		
20	16QAM	50	50	19.51	19.81	19.64		
20	16QAM	100	0	19.48	19.81	19.60		
20	64QAM	1	0	19.60	19.73	19.66	20.7	0
20	64QAM	1	49	19.57	19.70	19.63		
20	64QAM	1	99	19.56	19.73	19.59		
20	64QAM	50	0	19.57	19.70	19.56	20.7	0
20	64QAM	50	24	19.56	19.75	19.65		
20	64QAM	50	50	19.50	19.72	19.64		
20	64QAM	100	0	19.61	19.76	19.65		
20	256QAM	1	0	19.51	19.77	19.57	20.7	0
20	256QAM	1	49	19.58	19.69	19.68		
20	256QAM	1	99	19.50	19.79	19.56		
20	256QAM	50	0	19.61	19.79	19.58	20.7	0
20	256QAM	50	24	19.56	19.81	19.54		
20	256QAM	50	50	19.50	19.74	19.62		
20	256QAM	100	0	19.58	19.74	19.61		
Channel				18675	18900	19125	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	0	19.42	19.69	19.47	20.7	0
15	QPSK	1	37	19.39	19.69	19.48		
15	QPSK	1	74	19.44	19.59	19.50		
15	QPSK	36	0	19.43	19.66	19.46	20.7	0
15	QPSK	36	20	19.39	19.64	19.56		
15	QPSK	36	39	19.43	19.64	19.50		
15	QPSK	75	0	19.40	19.69	19.47		
15	16QAM	1	0	19.46	19.63	19.51	20.7	0
15	16QAM	1	37	19.41	19.69	19.55		
15	16QAM	1	74	19.39	19.65	19.48		
15	16QAM	36	0	19.45	19.65	19.56	20.7	0
15	16QAM	36	20	19.48	19.64	19.56		
15	16QAM	36	39	19.42	19.58	19.56		
15	16QAM	75	0	19.48	19.63	19.54		
15	64QAM	1	0	19.39	19.62	19.54	20.7	0
15	64QAM	1	37	19.52	19.62	19.51		
15	64QAM	1	74	19.38	19.69	19.52		
15	64QAM	36	0	19.50	19.65	19.47	20.7	0
15	64QAM	36	20	19.41	19.71	19.56		
15	64QAM	36	39	19.47	19.70	19.58		
15	64QAM	75	0	19.50	19.68	19.58		
15	256QAM	1	0	19.46	19.64	19.48	20.7	0
15	256QAM	1	37	19.40	19.60	19.57		
15	256QAM	1	74	19.52	19.66	19.53		
15	256QAM	36	0	19.47	19.63	19.49	20.7	0
15	256QAM	36	20	19.48	19.66	19.47		
15	256QAM	36	39	19.38	19.61	19.54		
15	256QAM	75	0	19.38	19.66	19.54		
Channel				18650	18900	19150	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	0	19.52	19.67	19.49	20.7	0
10	QPSK	1	25	19.47	19.71	19.53		
10	QPSK	1	49	19.50	19.70	19.58		
10	QPSK	25	0	19.42	19.58	19.47	20.7	0
10	QPSK	25	12	19.47	19.69	19.53		
10	QPSK	25	25	19.41	19.70	19.51		
10	QPSK	50	0	19.43	19.66	19.52		
10	16QAM	1	0	19.43	19.67	19.45	20.7	0
10	16QAM	1	25	19.38	19.68	19.58		
10	16QAM	1	49	19.39	19.69	19.50		
10	16QAM	25	0	19.47	19.72	19.47	20.7	0
10	16QAM	25	12	19.41	19.65	19.55		
10	16QAM	25	25	19.38	19.69	19.45		
10	16QAM	50	0	19.41	19.65	19.51		
10	64QAM	1	0	19.39	19.58	19.57	20.7	0
10	64QAM	1	25	19.39	19.66	19.52		
10	64QAM	1	49	19.42	19.64	19.55		
10	64QAM	25	0	19.46	19.65	19.51	20.7	0
10	64QAM	25	12	19.51	19.69	19.53		
10	64QAM	25	25	19.46	19.66	19.46		
10	64QAM	50	0	19.49	19.62	19.53		
10	256QAM	1	0	19.50	19.61	19.46	20.7	0
10	256QAM	1	25	19.51	19.65	19.48		
10	256QAM	1	49	19.49	19.66	19.45		
10	256QAM	25	0	19.49	19.67	19.48	20.7	0
10	256QAM	25	12	19.43	19.60	19.48		
10	256QAM	25	25	19.40	19.68	19.56		
10	256QAM	50	0	19.48	19.63	19.44		
Channel				18625	18900	19175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	0	19.38	19.66	19.49	20.7	0
5	QPSK	1	12	19.50	19.70	19.54		
5	QPSK	1	24	19.49	19.63	19.46		
5	QPSK	12	0	19.42	19.66	19.52	20.7	0
5	QPSK	12	7	19.46	19.60	19.45		
5	QPSK	12	13	19.48	19.62	19.46		
5	QPSK	25	0	19.44	19.70	19.45		
5	16QAM	1	0	19.52	19.63	19.47	20.7	0
5	16QAM	1	12	19.43	19.71	19.58		
5	16QAM	1	24	19.46	19.65	19.54		
5	16QAM	12	0	19.46	19.70	19.53	20.7	0
5	16QAM	12	7	19.44	19.59	19.52		
5	16QAM	12	13	19.48	19.69	19.56		
5	16QAM	25	0	19.47	19.67	19.49		
5	64QAM	1	0	19.44	19.62	19.47	20.7	0
5	64QAM	1	12	19.44	19.63	19.57		
5	64QAM	1	24	19.48	19.61	19.53		
5	64QAM	12	0	19.43	19.63	19.54	20.7	0
5	64QAM	12	7	19.42	19.67	19.53		
5	64QAM	12	13	19.48	19.64	19.48		
5	64QAM	25	0	19.44	19.70	19.56		
5	256QAM	1	0	19.47	19.62	19.46	20.7	0
5	256QAM	1	12	19.46	19.64	19.46		
5	256QAM	1	24	19.51	19.65	19.52		
5	256QAM	12	0	19.40	19.63	19.58	20.7	0
5	256QAM	12	7	19.40	19.71	19.49		
5	256QAM	12	13	19.47	19.60	19.54		
5	256QAM	25	0	19.49	19.70	19.45		
Channel				18615	18900	19185	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1851.5	1880	1908.5		
3	QPSK	1	0	19.45	19.71	19.45	20.7	0
3	QPSK	1	8	19.51	19.65	19.56		
3	QPSK	1	14	19.45	19.61	19.48	20.7	0
3	QPSK	8	0	19.42	19.61	19.47		
3	QPSK	8	4	19.48	19.64	19.51		
3	QPSK	8	7	19.44	19.65	19.54		
3	QPSK	15	0	19.44	19.64	19.51		
3	16QAM	1	0	19.42	19.69	19.56	20.7	0
3	16QAM	1	8	19.43	19.58	19.57		
3	16QAM	1	14	19.40	19.63	19.55		
3	16QAM	8	0	19.45	19.69	19.58	20.7	0
3	16QAM	8	4	19.46	19.69	19.56		
3	16QAM	8	7	19.50	19.68	19.51		
3	16QAM	15	0	19.41	19.67	19.55		
3	64QAM	1	0	19.38	19.72	19.44	20.7	0
3	64QAM	1	8	19.51	19.61	19.44		
3	64QAM	1	14	19.46	19.62	19.55		
3	64QAM	8	0	19.50	19.69	19.57	20.7	0
3	64QAM	8	4	19.43	19.60	19.46		
3	64QAM	8	7	19.41	19.62	19.51		
3	64QAM	15	0	19.44	19.60	19.57		
3	256QAM	1	0	19.41	19.67	19.45	20.7	0
3	256QAM	1	8	19.46	19.69	19.48		
3	256QAM	1	14	19.40	19.60	19.46		
3	256QAM	8	0	19.41	19.69	19.44	20.7	0
3	256QAM	8	4	19.46	19.60	19.51		
3	256QAM	8	7	19.51	19.67	19.51		
3	256QAM	15	0	19.47	19.67	19.45		
Channel				18607	18900	19193	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1850.7	1880	1909.3		
1.4	QPSK	1	0	19.50	19.64	19.48	20.7	0
1.4	QPSK	1	3	19.40	19.69	19.57		
1.4	QPSK	1	5	19.51	19.66	19.58		
1.4	QPSK	3	0	19.41	19.61	19.51		
1.4	QPSK	3	1	19.45	19.61	19.55		
1.4	QPSK	3	3	19.52	19.59	19.56		
1.4	QPSK	6	0	19.42	19.69	19.58	20.7	0
1.4	16QAM	1	0	19.52	19.59	19.53	20.7	0
1.4	16QAM	1	3	19.49	19.64	19.50		
1.4	16QAM	1	5	19.46	19.71	19.48		
1.4	16QAM	3	0	19.40	19.72	19.50		
1.4	16QAM	3	1	19.48	19.66	19.53		
1.4	16QAM	3	3	19.43	19.61	19.58		
1.4	16QAM	6	0	19.40	19.64	19.45	20.7	0
1.4	64QAM	1	0	19.42	19.72	19.53	20.7	0
1.4	64QAM	1	3	19.42	19.69	19.47		
1.4	64QAM	1	5	19.50	19.61	19.53		
1.4	64QAM	3	0	19.46	19.62	19.44		
1.4	64QAM	3	1	19.46	19.65	19.55		
1.4	64QAM	3	3	19.44	19.61	19.56		
1.4	64QAM	6	0	19.42	19.65	19.47	20.7	0
1.4	256QAM	1	0	19.48	19.69	19.53	20.7	0
1.4	256QAM	1	3	19.40	19.59	19.50		
1.4	256QAM	1	5	19.50	19.69	19.54		
1.4	256QAM	3	0	19.41	19.60	19.51		
1.4	256QAM	3	1	19.45	19.69	19.57		
1.4	256QAM	3	3	19.41	19.62	19.47		
1.4	256QAM	6	0	19.49	19.60	19.53	20.7	0

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BW [MHz]	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	21.44	21.60	21.45	22.2	0
20	QPSK	1	49	21.47	21.38	21.41		
20	QPSK	1	99	21.48	21.45	21.20		
20	QPSK	50	0	21.37	21.57	21.37	22.2	0
20	QPSK	50	24	21.45	21.51	21.34		
20	QPSK	50	50	21.36	21.35	21.34		
20	QPSK	100	0	21.48	21.50	21.42		
20	16QAM	1	0	21.36	21.45	21.37	22.2	0
20	16QAM	1	49	21.42	21.36	21.25		
20	16QAM	1	99	21.36	21.41	21.33		
20	16QAM	50	0	21.45	21.50	21.37	22.2	0
20	16QAM	50	24	21.46	21.40	21.33		
20	16QAM	50	50	21.44	21.39	21.34		
20	16QAM	100	0	21.40	21.52	21.37		
20	64QAM	1	0	21.39	21.47	21.32	22.2	0
20	64QAM	1	49	21.40	21.56	21.43		
20	64QAM	1	99	21.45	21.44	21.32		
20	64QAM	50	0	20.32	20.43	20.42	22.2	0
20	64QAM	50	24	20.47	20.59	20.35		
20	64QAM	50	50	20.47	20.45	20.39		
20	64QAM	100	0	20.32	20.50	20.40		
20	256QAM	1	0	19.85	19.91	19.77	20.7	1.5
20	256QAM	1	49	19.73	19.86	19.67		
20	256QAM	1	99	19.88	19.92	19.84		
20	256QAM	50	0	19.77	19.82	19.79	20.7	1.5
20	256QAM	50	24	19.87	19.87	19.74		
20	256QAM	50	50	19.93	19.91	19.75		
20	256QAM	100	0	19.83	19.87	19.76		
Channel				20825	21100	21375	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	0	21.35	21.43	21.30	22.2	0
15	QPSK	1	37	21.39	21.32	21.27		
15	QPSK	1	74	21.36	21.40	21.11		
15	QPSK	36	0	21.21	21.41	21.31	22.2	0
15	QPSK	36	20	21.42	21.42	21.23		
15	QPSK	36	39	21.25	21.29	21.22		
15	QPSK	75	0	21.39	21.41	21.36		
15	16QAM	1	0	21.21	21.34	21.25	22.2	0
15	16QAM	1	37	21.29	21.21	21.16		
15	16QAM	1	74	21.26	21.38	21.17		
15	16QAM	36	0	21.30	21.47	21.24	22.2	0
15	16QAM	36	20	21.32	21.37	21.25		
15	16QAM	36	39	21.29	21.30	21.21		
15	16QAM	75	0	21.25	21.40	21.21		
15	64QAM	1	0	21.23	21.30	21.28	22.2	0
15	64QAM	1	37	21.36	21.56	21.39		
15	64QAM	1	74	21.30	21.39	21.27		
15	64QAM	36	0	20.21	20.38	20.27	22.2	0
15	64QAM	36	20	20.32	20.51	20.22		
15	64QAM	36	39	20.31	20.28	20.27		
15	64QAM	75	0	20.26	20.44	20.24		
15	256QAM	1	0	19.77	19.76	19.63	20.7	1.5
15	256QAM	1	37	19.64	19.74	19.55		
15	256QAM	1	74	19.84	19.78	19.76		
15	256QAM	36	0	19.69	19.66	19.68	20.7	1.5
15	256QAM	36	20	19.72	19.73	19.64		
15	256QAM	36	39	19.76	19.85	19.59		
15	256QAM	75	0	19.73	19.80	19.64		
Channel				20800	21100	21400	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	0	21.40	21.44	21.36	22.2	0
10	QPSK	1	25	21.30	21.29	21.28		
10	QPSK	1	49	21.45	21.31	21.17		
10	QPSK	25	0	21.34	21.44	21.20	22.2	0
10	QPSK	25	12	21.31	21.41	21.19		
10	QPSK	25	25	21.25	21.19	21.30		
10	QPSK	50	0	21.41	21.43	21.25		
10	16QAM	1	0	21.19	21.40	21.28	22.2	0
10	16QAM	1	25	21.28	21.19	21.13		
10	16QAM	1	49	21.25	21.34	21.26		
10	16QAM	25	0	21.40	21.42	21.33	22.2	0
10	16QAM	25	12	21.34	21.26	21.18		
10	16QAM	25	25	21.39	21.32	21.21		
10	16QAM	50	0	21.26	21.39	21.27		
10	64QAM	1	0	21.24	21.30	21.24	22.2	0
10	64QAM	1	25	21.26	21.55	21.29		
10	64QAM	1	49	21.36	21.28	21.28		
10	64QAM	25	0	20.26	20.34	20.36	22.2	0
10	64QAM	25	12	20.42	20.49	20.21		
10	64QAM	25	25	20.35	20.34	20.25		
10	64QAM	50	0	20.24	20.34	20.28		
10	256QAM	1	0	19.77	19.76	19.62	20.7	1.5
10	256QAM	1	25	19.61	19.71	19.54		
10	256QAM	1	49	19.76	19.87	19.78		
10	256QAM	25	0	19.71	19.68	19.71	20.7	1.5
10	256QAM	25	12	19.84	19.75	19.60		
10	256QAM	25	25	19.89	19.78	19.67		
10	256QAM	50	0	19.69	19.82	19.66		
Channel				20775	21100	21425	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	0	21.38	21.55	21.30	22.2	0
5	QPSK	1	12	21.30	21.35	21.32		
5	QPSK	1	24	21.43	21.41	21.05		
5	QPSK	12	0	21.22	21.41	21.20	22.2	0
5	QPSK	12	7	21.40	21.40	21.24		
5	QPSK	12	13	21.24	21.20	21.26		
5	QPSK	25	0	21.35	21.40	21.38		
5	16QAM	1	0	21.25	21.39	21.34	22.2	0
5	16QAM	1	12	21.29	21.25	21.13		
5	16QAM	1	24	21.19	21.29	21.17		
5	16QAM	12	0	21.29	21.43	21.30	22.2	0
5	16QAM	12	7	21.41	21.33	21.18		
5	16QAM	12	13	21.40	21.26	21.19		
5	16QAM	25	0	21.32	21.44	21.26		
5	64QAM	1	0	21.31	21.33	21.24	22.2	0
5	64QAM	1	12	21.35	21.50	21.30		
5	64QAM	1	24	21.41	21.31	21.25		
5	64QAM	12	0	20.29	20.34	20.26	22.2	0
5	64QAM	12	7	20.30	20.48	20.29		
5	64QAM	12	13	20.32	20.29	20.29		
5	64QAM	25	0	20.24	20.43	20.34		
5	256QAM	1	0	19.72	19.86	19.64	20.7	1.5
5	256QAM	1	12	19.64	19.78	19.53		
5	256QAM	1	24	19.75	19.88	19.80		
5	256QAM	12	0	19.71	19.77	19.73	20.7	1.5
5	256QAM	12	7	19.76	19.78	19.62		
5	256QAM	12	13	19.90	19.78	19.66		
5	256QAM	25	0	19.70	19.79	19.71		

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	21.43	21.56	21.48	22.2	0
20	QPSK	1	49	21.40	21.44	21.35		
20	QPSK	1	99	21.35	21.46	21.37		
20	QPSK	50	0	21.33	21.54	21.46	22.2	0
20	QPSK	50	24	21.41	21.53	21.42		
20	QPSK	50	50	21.35	21.43	21.42		
20	QPSK	100	0	21.38	21.52	21.45		
20	16QAM	1	0	21.44	21.52	21.39	22.2	0
20	16QAM	1	49	21.31	21.52	21.39		
20	16QAM	1	99	21.43	21.52	21.39		
20	16QAM	50	0	21.34	21.42	21.36	22.2	0
20	16QAM	50	24	21.30	21.54	21.40		
20	16QAM	50	50	21.41	21.49	21.41		
20	16QAM	100	0	21.39	21.51	21.32		
20	64QAM	1	0	21.31	21.52	21.40	22.2	0
20	64QAM	1	49	21.44	21.49	21.34		
20	64QAM	1	99	21.35	21.48	21.33		
20	64QAM	50	0	21.32	21.54	21.42	22.2	0
20	64QAM	50	24	21.31	21.54	21.34		
20	64QAM	50	50	21.36	21.50	21.43		
20	64QAM	100	0	21.32	21.49	21.39		
20	256QAM	1	0	19.85	19.96	19.82	20.7	1.5
20	256QAM	1	49	19.90	20.03	19.94		
20	256QAM	1	99	19.80	19.95	19.86		
20	256QAM	50	0	19.87	19.98	19.84	20.7	1.5
20	256QAM	50	24	19.92	20.00	19.89		
20	256QAM	50	50	19.81	20.00	19.89		
20	256QAM	100	0	19.88	20.02	19.95		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	21.26	21.35	21.24	22.2	0
15	QPSK	1	37	21.26	21.34	21.21		
15	QPSK	1	74	21.29	21.34	21.21		
15	QPSK	36	0	21.21	21.38	21.42	22.2	0
15	QPSK	36	20	21.36	21.49	21.25		
15	QPSK	36	39	21.25	21.26	21.26		
15	QPSK	75	0	21.33	21.43	21.32		
15	16QAM	1	0	21.29	21.36	21.32	22.2	0
15	16QAM	1	37	21.27	21.48	21.26		
15	16QAM	1	74	21.31	21.47	21.28		
15	16QAM	36	0	21.28	21.27	21.22	22.2	0
15	16QAM	36	20	21.18	21.45	21.24		
15	16QAM	36	39	21.28	21.46	21.26		
15	16QAM	75	0	21.26	21.49	21.20		
15	64QAM	1	0	21.28	21.36	21.32	22.2	0
15	64QAM	1	37	21.30	21.36	21.30		
15	64QAM	1	74	21.25	21.43	21.29		
15	64QAM	36	0	21.19	21.40	21.36	22.2	0
15	64QAM	36	20	21.23	21.39	21.29		
15	64QAM	36	39	21.31	21.41	21.37		
15	64QAM	75	0	21.23	21.42	21.28		
15	256QAM	1	0	19.71	19.81	19.78	20.7	1.5
15	256QAM	1	37	19.81	19.99	19.91		
15	256QAM	1	74	19.76	19.79	19.81		
15	256QAM	36	0	19.83	19.85	19.76	20.7	1.5
15	256QAM	36	20	19.87	19.95	19.80		
15	256QAM	36	39	19.70	19.83	19.85		
15	256QAM	75	0	19.72	19.95	19.84		
Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2570	2595	2615		
10	QPSK	1	0	21.20	21.38	21.33	22.2	0
10	QPSK	1	25	21.32	21.40	21.18		
10	QPSK	1	49	21.24	21.38	21.30		
10	QPSK	25	0	21.22	21.39	21.43	22.2	0
10	QPSK	25	12	21.36	21.41	21.27		
10	QPSK	25	25	21.30	21.27	21.31		
10	QPSK	50	0	21.34	21.39	21.41		
10	16QAM	1	0	21.30	21.36	21.31	22.2	0
10	16QAM	1	25	21.25	21.46	21.23		
10	16QAM	1	49	21.29	21.43	21.22		
10	16QAM	25	0	21.31	21.27	21.26	22.2	0
10	16QAM	25	12	21.26	21.47	21.31		
10	16QAM	25	25	21.34	21.37	21.27		
10	16QAM	50	0	21.35	21.49	21.27		
10	64QAM	1	0	21.18	21.47	21.27	22.2	0
10	64QAM	1	25	21.36	21.32	21.29		
10	64QAM	1	49	21.24	21.42	21.25		
10	64QAM	25	0	21.23	21.51	21.32	22.2	0
10	64QAM	25	12	21.17	21.44	21.23		
10	64QAM	25	25	21.33	21.39	21.36		
10	64QAM	50	0	21.16	21.44	21.22		
10	256QAM	1	0	19.76	19.80	19.73	20.7	1.5
10	256QAM	1	25	19.85	19.95	19.86		
10	256QAM	1	49	19.70	19.83	19.76		
10	256QAM	25	0	19.78	19.92	19.71	20.7	1.5
10	256QAM	25	12	19.80	19.90	19.74		
10	256QAM	25	25	19.67	19.84	19.74		
10	256QAM	50	0	19.79	19.91	19.91		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	21.29	21.31	21.23	22.2	0
5	QPSK	1	12	21.37	21.34	21.20		
5	QPSK	1	24	21.18	21.41	21.20		
5	QPSK	12	0	21.29	21.35	21.35	22.2	0
5	QPSK	12	7	21.29	21.50	21.26		
5	QPSK	12	13	21.30	21.38	21.32		
5	QPSK	25	0	21.25	21.38	21.39		
5	16QAM	1	0	21.40	21.38	21.25	22.2	0
5	16QAM	1	12	21.14	21.38	21.24		
5	16QAM	1	24	21.28	21.37	21.35		
5	16QAM	12	0	21.21	21.36	21.27	22.2	0
5	16QAM	12	7	21.25	21.38	21.27		
5	16QAM	12	13	21.29	21.42	21.33		
5	16QAM	25	0	21.36	21.45	21.28		
5	64QAM	1	0	21.16	21.46	21.28	22.2	0
5	64QAM	1	12	21.33	21.45	21.31		
5	64QAM	1	24	21.21	21.35	21.20		
5	64QAM	12	0	21.19	21.43	21.33	22.2	0
5	64QAM	12	7	21.23	21.50	21.28		
5	64QAM	12	13	21.23	21.42	21.32		
5	64QAM	25	0	21.21	21.43	21.32		
5	256QAM	1	0	19.73	19.93	19.75	20.7	1.5
5	256QAM	1	12	19.75	19.99	19.85		
5	256QAM	1	24	19.77	19.88	19.76		
5	256QAM	12	0	19.71	19.81	19.68	20.7	1.5
5	256QAM	12	7	19.78	19.86	19.75		
5	256QAM	12	13	19.77	19.84	19.75		
5	256QAM	25	0	19.77	19.97	19.90		

Band 41 Other PA Ant4 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power/ High Middle Ch. / Freq.	Power/ High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	21.97	21.88	22.11	21.84	21.95	22.7	0
20	QPSK	1	49	21.93	21.85	22.08	21.95	21.95		
20	QPSK	1	99	21.87	21.93	22.05	21.86	21.84		
20	QPSK	50	0	21.92	21.91	22.06	21.93	21.93		
20	QPSK	50	24	21.89	21.89	22.00	21.94	21.82		
20	QPSK	50	50	21.96	21.91	22.02	21.98	21.83		
20	QPSK	100	0	21.91	21.91	22.04	21.91	21.90		
20	16QAM	1	0	21.89	21.86	22.09	21.98	21.83	22.7	0
20	16QAM	1	49	21.97	21.92	22.04	21.95	21.92		
20	16QAM	1	99	21.99	21.94	22.10	21.91	21.84		
20	16QAM	50	0	21.96	21.91	22.00	21.88	21.83	22.7	0
20	16QAM	50	24	21.88	21.84	21.99	21.86	21.87		
20	16QAM	50	50	21.93	21.89	22.04	21.92	21.94		
20	16QAM	100	0	21.91	21.85	22.01	21.96	21.89		
20	64QAM	1	0	21.99	21.90	22.06	21.91	21.86	22.7	0
20	64QAM	1	49	21.92	21.83	21.99	21.84	21.81		
20	64QAM	1	99	21.91	21.85	21.98	21.92	21.84		
20	64QAM	50	0	21.89	21.78	21.85	21.83	21.80	22.7	0
20	64QAM	50	24	21.88	21.91	22.01	21.83	21.87		
20	64QAM	50	50	21.73	21.81	21.94	21.78	21.74		
20	64QAM	100	0	21.77	21.88	21.97	21.74	21.75		
20	256QAM	1	0	19.97	19.95	20.00	19.95	19.86	20.7	2
20	256QAM	1	49	19.98	19.85	20.09	19.94	19.84		
20	256QAM	1	99	19.96	19.85	19.98	19.95	19.83		
20	256QAM	50	0	19.96	19.83	20.03	19.92	19.92	20.7	2
20	256QAM	50	24	19.99	19.90	20.00	19.90	19.85		
20	256QAM	50	50	19.87	19.88	20.06	19.93	19.85		
20	256QAM	100	0	19.99	19.86	20.03	19.98	19.88		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	21.86	21.72	21.93	21.76	21.83	23	0
15	QPSK	1	37	21.83	21.81	21.99	21.82	21.87		
15	QPSK	1	74	21.72	21.89	21.93	21.81	21.68		
15	QPSK	36	0	21.76	21.81	21.87	21.80	21.79	22.7	0
15	QPSK	36	20	21.85	21.76	21.89	21.83	21.73		
15	QPSK	36	39	21.86	21.76	21.93	21.83	21.70		
15	QPSK	75	0	21.78	21.87	22.01	21.82	21.82		
15	16QAM	1	0	21.76	21.75	21.93	21.85	21.67	22.7	0
15	16QAM	1	37	21.83	21.85	21.95	21.82	21.84		
15	16QAM	1	74	21.93	21.81	22.01	21.85	21.72		
15	16QAM	36	0	21.79	21.80	21.93	21.82	21.68	22.7	0
15	16QAM	36	20	21.76	21.76	21.96	21.80	21.80		
15	16QAM	36	39	21.88	21.86	21.95	21.84	21.90		
15	16QAM	75	0	21.87	21.81	21.98	21.80	21.73		
15	64QAM	1	0	21.95	21.80	22.00	21.77	21.77	22.7	0
15	64QAM	1	37	21.77	21.68	21.87	21.70	21.67		
15	64QAM	1	74	21.77	21.79	21.82	21.80	21.69		
15	64QAM	36	0	21.85	21.80	21.81	21.88	21.77	22.7	0
15	64QAM	36	20	21.83	21.86	21.93	21.87	21.86		
15	64QAM	36	39	21.72	21.72	21.90	21.79	21.77		
15	64QAM	75	0	21.78	21.87	22.02	21.76	21.69		
15	256QAM	1	0	19.86	19.82	19.86	19.81	19.76	20.7	2
15	256QAM	1	37	19.89	19.77	19.99	19.78	19.68		
15	256QAM	1	74	19.80	19.79	19.82	19.87	19.76		
15	256QAM	36	0	19.84	19.73	19.94	19.77	19.86	20.7	2
15	256QAM	36	20	19.88	19.80	19.89	19.86	19.73		
15	256QAM	36	39	19.75	19.75	19.91	19.83	19.77		
15	256QAM	75	0	19.90	19.78	19.93	19.87	19.77		
Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	21.88	21.72	21.89	21.78	21.92	23	0
10	QPSK	1	25	21.87	21.74	21.98	21.87	21.90		
10	QPSK	1	49	21.74	21.81	21.94	21.73	21.67		
10	QPSK	25	0	21.81	21.86	21.90	21.81	21.78	22.7	0
10	QPSK	25	12	21.73	21.85	21.97	21.84	21.66		
10	QPSK	25	25	21.81	21.87	21.91	21.84	21.78		
10	QPSK	50	0	21.85	21.84	21.99	21.80	21.83		
10	16QAM	1	0	21.83	21.78	21.95	21.90	21.75	22.7	0
10	16QAM	1	25	21.87	21.76	22.00	21.89	21.84		
10	16QAM	1	49	21.83	21.83	21.97	21.82	21.71		
10	16QAM	25	0	21.91	21.74	21.90	21.78	21.80	22.7	0
10	16QAM	25	12	21.82	21.78	22.01	21.70	21.71		
10	16QAM	25	25	21.89	21.76	21.94	21.83	21.90		
10	16QAM	50	0	21.78	21.69	21.89	21.81	21.82		
10	64QAM	1	0	21.87	21.86	21.98	21.83	21.75	22.7	0
10	64QAM	1	25	21.85	21.78	21.96	21.68	21.76		
10	64QAM	1	49	21.78	21.70	21.89	21.77	21.71		
10	64QAM	25	0	21.90	21.84	21.92	21.92	21.79	22.7	0
10	64QAM	25	12	21.85	21.81	21.89	21.88	21.83		
10	64QAM	25	25	21.81	21.75	21.84	21.78	21.74		
10	64QAM	50	0	21.78	21.90	21.89	21.74	21.74		
10	256QAM	1	0	19.83	19.84	19.85	19.92	19.78	20.7	2
10	256QAM	1	25	19.85	19.69	19.96	19.81	19.76		
10	256QAM	1	49	19.81	19.71	19.90	19.84	19.77		
10	256QAM	25	0	19.84	19.71	19.89	19.81	19.83	20.7	2
10	256QAM	25	12	19.93	19.79	19.85	19.74	19.81		
10	256QAM	25	25	19.72	19.81	19.97	19.78	19.80		
10	256QAM	50	0	19.92	19.73	19.94	19.85	19.77		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.3	2593	2640.30	2687.5		
5	QPSK	1	0	21.83	21.77	21.91	21.78	21.86	23	0
5	QPSK	1	12	21.78	21.80	21.98	21.88	21.82		
5	QPSK	1	24	21.73	21.86	21.96	21.78	21.79		
5	QPSK	12	0	21.84	21.85	21.90	21.80	21.78	22.7	0
5	QPSK	12	7	21.73	21.75	21.87	21.80	21.79		
5	QPSK	12	13	21.91	21.85	21.92	21.82	21.68		
5	QPSK	25	0	21.86	21.83	22.01	21.87	21.81		
5	16QAM	1	0	21.75	21.75	22.04	21.83	21.75	22.7	0
5	16QAM	1	12	21.81	21.85	21.89	21.85	21.79		
5	16QAM	1	24	21.86	21.88	22.04	21.75	21.71		
5	16QAM	12	0	21.82	21.76	21.86	21.84	21.68	22.7	0
5	16QAM	12	7	21.80	21.73	22.00	21.76	21.73		
5	16QAM	12	13	21.87	21.73	21.95	21.83	21.89		
5	16QAM	25	0	21.84	21.70	21.94	21.90	21.75		
5	64QAM	1	0	21.84	21.77	21.89	21.75	21.80	22.7	0
5	64QAM	1	12	21.78	21.76	21.95	21.76	21.78		
5	64QAM	1	24	21.81	21.76	21.84	21.84	21.68		
5	64QAM	12	0	21.79	21.86	21.89	21.80	21.76	22.7	0
5	64QAM	12	7	21.79	21.85	21.95	21.83	21.87		
5	64QAM	12	13	21.78	21.68	21.87	21.72	21.74		
5	64QAM	25	0	21.81	21.82	22.02	21.74	21.69		
5	256QAM	1	0	19.91	19.85	19.92	19.90	19.80	20.7	2
5	256QAM	1	12	19.82	19.70	19.94	19.82	19.71		
5	256QAM	1	24	19.87	19.79	19.84	19.89	19.74		
5	256QAM	12	0	19.86	19.74	19.89	19.80	19.83	20.7	2
5	256QAM	12	7	19.87	19.82	19.93	19.87	19.72		
5	256QAM	12	13	19.80	19.79	19.90	19.81	19.80		
5	256QAM	25	0	19.94	19.80	19.89	19.88	19.78		

2CA DL

CA List	PCC									SCC					Power	
	LTE	BW	BW	UL	UL	Mod.	UL#	UL	DL Antenna Configuration	LTE	BW	DL	DL	DL Antenna Configuration	With CA	Without CA
	Band	Ant	(MHz)	Freq. (MHz)	Channel		RB	RB Offset		Band	(MHz)	Freq. (MHz)	Channel		Tx. Power (dBm)	Tx. Power (dBm)
CA_2A-2A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		24.31	24.35
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 2	5M	1987.5	1175		24.45	24.50
CA_2A-4A	Band 2	Ant1	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	24.30	24.35
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	24.32	24.50
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		24.81	24.88
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900		24.63	24.79
CA_4A-5A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.26	24.31
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.79	24.88
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 5	10M	881.5	2525		24.73	24.79
	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	25.27	25.35
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 4	20M	2132.5	2175	4x4MIMO	25.10	25.15
CA_4A-7A	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.25	24.31
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.80	24.88
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	24.70	24.79
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.40	23.44
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.93	23.98
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.92	23.96
CA_7C	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.38	23.44
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.92	23.98
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.88	23.96
CA_38C	Band 38	Ant1	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	24.77	24.84
	Band 38	Ant2	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	24.41	24.45
	Band 38	Ant3	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	24.90	24.99
	Band 38	Ant4	20M	2580	37850	QPSK	1	0	4x4MIMO	Band 38	20M	2599.8	38048	4x4MIMO	24.81	24.88
CA_41A-41A	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	25.25	25.36
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	24.62	24.67
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	25.29	25.32
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	25.26	25.33
CA_41C	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	25.30	25.36
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	24.61	24.67
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	25.27	25.32
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	25.30	25.33
CA_66B	Band 66	Ant1	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		24.41	24.49
	Band 66	Ant2	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		24.88	24.95
	Band 66	Ant4	15M	1745	132322	QPSK	1	0		Band 66	5M	2164.3	66979		24.79	24.81
CA_66C	Band 66	Ant1	20M	1745	132322	QPSK	1	0		Band 66	20M	2164.8	66984		24.43	24.49
	Band 66	Ant2	20M	1745	132322	QPSK	1	0		Band 66	20M	2164.8	66984		24.90	24.95
	Band 66	Ant4	20M	1745	132322	QPSK	1	0		Band 66	20M	2164.8	66984		24.71	24.81

3CA DL

3CA List	PCC									SCC1					SCC2						Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-7A-7A	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.23	24.32
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	24.44	24.50
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		23.41	23.44
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		23.95	23.98
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 2	20M	1960	900		23.88	23.96
CA_2A-7C	Band 2	Ant2	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.28	24.32
	Band 2	Ant4	20M	1880	18900	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.44	24.50
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		23.39	23.44
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		23.91	23.98
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 2	20M	1960	900		23.89	23.96
CA_4A-7C	Band 4	Ant1	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.22	24.31
	Band 4	Ant2	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.82	24.88
	Band 4	Ant4	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	24.73	24.79
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.41	23.44
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.91	23.98
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	23.90	23.96
CA_5A-7A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	25.20	25.35
	Band 5	Ant1	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	25.05	25.15
	Band 7	Ant1	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.41	23.44
	Band 7	Ant2	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.90	23.98
	Band 7	Ant4	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		23.84	23.96
CA_41D	Band 41	Ant1	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	25.31	25.36
	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	24.62	24.67
	Band 41	Ant3	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	25.26	25.32
	Band 41	Ant4	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	25.22	25.33

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CA_7C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.27	25.00
21100	21298	QPSK	1	99	1	0	23.37	25.00
21350	21152	QPSK	1	0	1	99	23.35	25.00

CA_7C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.88	25.50
21100	21298	QPSK	1	99	1	0	23.94	25.50
21350	21152	QPSK	1	0	1	99	23.81	25.50

CA_38C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.70	25.50
37901	38099	QPSK	1	99	1	0	24.77	25.50
38150	37952	QPSK	1	0	1	99	24.67	25.50

CA_38C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.35	25.70
37901	38099	QPSK	1	99	1	0	24.42	25.70
38150	37952	QPSK	1	0	1	99	24.31	25.70

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.17	25.70
40185	40383	QPSK	1	99	1	0	25.10	25.70
40620	40818	QPSK	1	99	1	0	25.33	25.70
41055	41253	QPSK	1	99	1	0	25.27	25.70
41490	41292	QPSK	1	0	1	99	25.18	25.70

CA_41C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.41	25.7
40185	40383	QPSK	1	99	1	0	24.35	25.7
40620	40818	QPSK	1	99	1	0	24.60	25.7
41055	41253	QPSK	1	99	1	0	24.57	25.7
41490	41292	QPSK	1	0	1	99	24.50	25.7

CA_66C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	23.17	24.00
132322	132520	QPSK	1	99	1	0	23.23	24.00
132572	132374	QPSK	1	0	1	99	23.14	24.00

CA_66C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	23.35	24.20
132322	132520	QPSK	1	99	1	0	23.37	24.20
132572	132374	QPSK	1	0	1	99	23.30	24.20

CA_66B Ant1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	24.35	25.50
132322	132415	QPSK	1	74	1	0	24.41	25.50
132597	132504	QPSK	1	0	1	24	24.37	25.50

CA_66B Ant2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	24.71	25.70
132322	132415	QPSK	1	74	1	0	24.84	25.70
132597	132504	QPSK	1	0	1	24	24.74	25.70

CA_7C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.79	25.50
21100	21298	QPSK	1	99	1	0	23.82	25.50
21350	21152	QPSK	1	0	1	99	23.80	25.50

CA_38C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.61	25.70
37901	38099	QPSK	1	99	1	0	24.66	25.70
38150	37952	QPSK	1	0	1	99	24.57	25.70

CA_38C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.82	25.70
37901	38099	QPSK	1	99	1	0	24.94	25.70
38150	37952	QPSK	1	0	1	99	24.90	25.70

CA_41C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.12	25.7
40185	40383	QPSK	1	99	1	0	25.20	25.7
40620	40818	QPSK	1	99	1	0	25.28	25.7
41055	41253	QPSK	1	99	1	0	25.17	25.7
41490	41292	QPSK	1	0	1	99	25.10	25.7

CA_41C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.15	25.7
40185	40383	QPSK	1	99	1	0	25.20	25.7
40620	40818	QPSK	1	99	1	0	25.28	25.7
41055	41253	QPSK	1	99	1	0	25.14	25.7
41490	41292	QPSK	1	0	1	99	25.17	25.7

CA_66C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132270	QPSK	1	99	1	0	23.40	24.20
132322	132520	QPSK	1	99	1	0	23.44	24.20
132572	132374	QPSK	1	0	1	99	23.33	24.20

CA_66B Ant4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	24.57	25.70
132322	132415	QPSK	1	74	1	0	24.68	25.70
132597	132504	QPSK	1	0	1	24	24.67	25.70

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CA_7C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.37	18.50
21100	21298	QPSK	1	99	1	0	17.41	18.50
21350	21152	QPSK	1	0	1	99	17.18	18.50

CA_7C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.88	25.50
21100	21298	QPSK	1	99	1	0	23.94	25.50
21350	21152	QPSK	1	0	1	99	23.81	25.50
20850	21048	QPSK	50	50	50	0	22.87	24.50
21100	21298	QPSK	50	50	50	0	22.91	24.50
21350	21152	QPSK	50	0	50	50	22.88	24.50

CA_38C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.78	20.50
37901	38099	QPSK	1	99	1	0	19.87	20.50
38150	37952	QPSK	1	0	1	99	19.81	20.50

CA_38C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.35	25.70
37901	38099	QPSK	1	99	1	0	24.42	25.70
38150	37952	QPSK	1	0	1	99	24.31	25.70

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.37	20.70
40185	40383	QPSK	1	99	1	0	20.41	20.70
40620	40818	QPSK	1	99	1	0	20.45	20.70
41055	41253	QPSK	1	99	1	0	20.35	20.70
41490	41292	QPSK	1	0	1	99	20.30	20.70
39750	39948	QPSK	50	50	50	0	20.27	20.70
40185	40383	QPSK	50	50	50	0	20.37	20.70
40620	40818	QPSK	50	50	50	0	20.40	20.70
41055	41253	QPSK	50	50	50	0	20.31	20.70
41490	41292	QPSK	50	0	50	50	20.27	20.70

CA_41C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		[illegible]		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.41	25.70
40185	40383	QPSK	1	99	1	0	24.35	25.70
40620	40818	QPSK	1	99	1	0	24.60	25.70
41055	41253	QPSK	1	99	1	0	24.57	25.70
41490	41292	QPSK	1	0	1	99	24.50	25.70

CA_66B Ant1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.41	19.50
132322	132415	QPSK	1	74	1	0	18.55	19.50
132597	132504	QPSK	1	0	1	24	18.46	19.50
132047	132140	QPSK	36	39	12	0	18.35	19.50
132322	132415	QPSK	36	39	12	0	18.51	19.50
132597	132504	QPSK	36	0	12	13	18.42	19.50

CA_66B Ant2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	24.71	25.70
132322	132415	QPSK	1	74	1	0	24.84	25.70
132597	132504	QPSK	1	0	1	24	24.74	25.70

CA_7C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.50	22.00
21100	21298	QPSK	1	99	1	0	20.55	22.00
21350	21152	QPSK	1	0	1	99	20.47	22.00
20850	21048	QPSK	50	50	50	0	20.47	22.00
21100	21298	QPSK	50	50	50	0	20.48	22.00
21350	21152	QPSK	50	0	50	50	20.41	22.00

CA_38C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.37	22.20
37901	38099	QPSK	1	99	1	0	21.40	22.20
38150	37952	QPSK	1	0	1	99	21.27	22.20

CA_38C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.00	22.70
37901	38099	QPSK	1	99	1	0	22.07	22.70
38150	37952	QPSK	1	0	1	99	21.92	22.70

CA_41C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.17	22.70
40185	40383	QPSK	1	99	1	0	22.25	22.70
40620	40818	QPSK	1	99	1	0	22.32	22.70
41055	41253	QPSK	1	99	1	0	22.15	22.70
41490	41292	QPSK	1	0	1	99	22.29	22.70
39750	39948	QPSK	50	50	50	0	22.11	22.70
40185	40383	QPSK	50	50	50	0	22.22	22.70
40620	40818	QPSK	50	50	50	0	22.27	22.70
41055	41253	QPSK	50	50	50	0	22.20	22.70
41490	41292	QPSK	50	0	50	50	22.21	22.70

CA_41C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.25	20.70
40185	40383	QPSK	1	99	1	0	20.27	20.70
40620	40818	QPSK	1	99	1	0	20.40	20.70
41055	41253	QPSK	1	99	1	0	20.25	20.70
41490	41292	QPSK	1	0	1	99	20.11	20.70

CA_66B Ant4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.15	20.20
132322	132415	QPSK	1	74	1	0	19.27	20.20
132597	132504	QPSK	1	0	1	24	19.00	20.20
132047	132140	QPSK	36	39	12	0	19.07	20.20
132322	132415	QPSK	36	39	12	0	19.15	20.20
132597	132504	QPSK	36	0	12	13	19.07	20.20

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CA_7C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.91	22.50
21100	21298	QPSK	1	99	1	0	21.00	22.50
21350	21152	QPSK	1	0	1	99	20.88	22.50

CA_7C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.88	20.50
21100	21298	QPSK	1	99	1	0	18.91	20.50
21350	21152	QPSK	1	0	1	99	18.85	20.50

CA_38C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.71	23.50
37901	38099	QPSK	1	99	1	0	22.85	23.50
38150	37952	QPSK	1	0	1	99	22.74	23.50

CA_38C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.90	22.20
37901	38099	QPSK	1	99	1	0	21.00	22.20
38150	37952	QPSK	1	0	1	99	20.95	22.20

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.25	23.70
40185	40383	QPSK	1	99	1	0	23.17	23.70
40620	40818	QPSK	1	99	1	0	23.35	23.70
41055	41253	QPSK	1	99	1	0	23.21	23.70
41490	41292	QPSK	1	0	1	99	23.21	23.70

CA_41C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.35	23.20
40185	40383	QPSK	1	99	1	0	22.41	23.20
40620	40818	QPSK	1	99	1	0	22.45	23.20
41055	41253	QPSK	1	99	1	0	22.31	23.20
41490	41292	QPSK	1	0	1	99	22.27	23.20

CA_66B Ant1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.27	22.50
132322	132415	QPSK	1	74	1	0	21.31	22.50
132597	132504	QPSK	1	0	1	24	21.27	22.50

CA_66B Ant2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.37	22.20
132322	132415	QPSK	1	74	1	0	21.45	22.20
132597	132504	QPSK	1	0	1	24	21.30	22.20

CA_7C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.50	22.00
21100	21298	QPSK	1	99	1	0	20.55	22.00
21350	21152	QPSK	1	0	1	99	20.47	22.00

CA_38C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.35	24.20
37901	38099	QPSK	1	99	1	0	23.41	24.20
38150	37952	QPSK	1	0	1	99	23.27	24.20

CA_38C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.35	25.20
37901	38099	QPSK	1	99	1	0	24.47	25.20
38150	37952	QPSK	1	0	1	99	24.41	25.20

CA_41C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.27	23.70
40185	40383	QPSK	1	99	1	0	23.35	23.70
40620	40818	QPSK	1	99	1	0	23.41	23.70
41055	41253	QPSK	1	99	1	0	23.34	23.70
41490	41292	QPSK	1	0	1	99	23.27	23.70

CA_41C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.74	23.20
40185	40383	QPSK	1	99	1	0	22.78	23.20
40620	40818	QPSK	1	99	1	0	22.85	23.20
41055	41253	QPSK	1	99	1	0	22.67	23.20
41490	41292	QPSK	1	0	1	99	23.72	23.20

CA_66B Ant4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.57	23.70
132322	132415	QPSK	1	74	1	0	22.71	23.70
132597	132504	QPSK	1	0	1	24	22.50	23.70

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CA_7C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.27	25.00
21100	21298	QPSK	1	99	1	0	23.37	25.00
21350	21152	QPSK	1	0	1	99	23.35	25.00
20850	21048	QPSK	50	50	50	0	22.57	24.00
21100	21298	QPSK	50	50	50	0	22.58	24.00
21350	21152	QPSK	50	0	50	50	22.55	24.00

CA_7C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	23.88	25.50
21100	21298	QPSK	1	99	1	0	23.94	25.50
21350	21152	QPSK	1	0	1	99	23.81	25.50
20850	21048	QPSK	50	50	50	0	22.88	24.50
21100	21298	QPSK	50	50	50	0	22.91	24.50
21350	21152	QPSK	50	0	50	50	22.80	24.50

CA_38C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.70	25.50
37901	38099	QPSK	1	99	1	0	24.77	25.50
38150	37952	QPSK	1	0	1	99	24.67	25.50

CA_38C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.35	25.70
37901	38099	QPSK	1	99	1	0	24.42	25.70
38150	37952	QPSK	1	0	1	99	24.31	25.70

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.17	25.70
40185	40383	QPSK	1	99	1	0	25.10	25.70
40620	40818	QPSK	1	99	1	0	25.33	25.70
41055	41253	QPSK	1	99	1	0	25.27	25.70
41490	41292	QPSK	1	0	1	99	25.18	25.70

CA_41C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	24.41	25.7
40185	40383	QPSK	1	99	1	0	24.35	25.7
40620	40818	QPSK	1	99	1	0	24.60	25.7
41055	41253	QPSK	1	99	1	0	24.57	25.7
41490	41292	QPSK	1	0	1	99	24.50	25.7

CA_66B Ant1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	24.35	25.50
132322	132415	QPSK	1	74	1	0	24.41	25.50
132597	132504	QPSK	1	0	1	24	24.37	25.50

CA_66B Ant2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	24.71	25.70
132322	132415	QPSK	1	74	1	0	24.84	25.70
132597	132504	QPSK	1	0	1	24	24.74	25.70

CA_7C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.50	22.00
21100	21298	QPSK	1	99	1	0	20.55	22.00
21350	21152	QPSK	1	0	1	99	20.47	22.00
20850	21048	QPSK	50	50	50	0	20.47	22.00
21100	21298	QPSK	50	50	50	0	20.51	22.00
21350	21152	QPSK	50	0	50	50	20.42	22.00

CA_38C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	23.35	24.20
37901	38099	QPSK	1	99	1	0	23.41	24.20
38150	37952	QPSK	1	0	1	99	23.27	24.20

CA_38C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	24.82	25.70
37901	38099	QPSK	1	99	1	0	24.94	25.70
38150	37952	QPSK	1	0	1	99	24.90	25.70

CA_41C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	23.27	23.70
40185	40383	QPSK	1	99	1	0	23.35	23.70
40620	40818	QPSK	1	99	1	0	23.41	23.70
41055	41253	QPSK	1	99	1	0	23.34	23.70
41490	41292	QPSK	1	0	1	99	23.27	23.70
39750	39948	QPSK	50	50	50	0	23.21	23.70
40185	40383	QPSK	50	50	50	0	23.32	23.70
40620	40818	QPSK	50	50	50	0	23.37	23.70
41055	41253	QPSK	50	50	50	0	23.31	23.70
41490	41292	QPSK	50	0	50	50	23.25	23.70

CA_41C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	25.15	25.7
40185	40383	QPSK	1	99	1	0	25.20	25.7
40620	40818	QPSK	1	99	1	0	25.28	25.7
41055	41253	QPSK	1	99	1	0	25.14	25.7
41490	41292	QPSK	1	0	1	99	25.17	25.7

CA_66B Ant4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	22.57	23.70
132322	132415	QPSK	1	74	1	0	22.71	23.70
132597	132504	QPSK	1	0	1	24	22.50	23.70
132047	132140	QPSK	36	39	12	0	22.46	23.70
132322	132415	QPSK	36	39	12	0	22.62	23.70
132597	132504	QPSK	36	0	12	13	22.51	23.70

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CA_7C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	17.37	18.50
21100	21298	QPSK	1	99	1	0	17.41	18.50
21350	21152	QPSK	1	0	1	99	17.18	18.50
20850	21048	QPSK	50	50	50	0	17.31	18.50
21100	21298	QPSK	50	50	50	0	17.37	18.50
21350	21152	QPSK	50	0	50	50	17.15	18.50

CA_7C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	18.88	20.50
21100	21298	QPSK	1	99	1	0	18.91	20.50
21350	21152	QPSK	1	0	1	99	18.85	20.50

CA_38C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	19.78	20.50
37901	38099	QPSK	1	99	1	0	19.87	20.50
38150	37952	QPSK	1	0	1	99	19.81	20.50

CA_38C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	20.90	22.20
37901	38099	QPSK	1	99	1	0	21.00	22.20
38150	37952	QPSK	1	0	1	99	20.95	22.20

CA_41C Ant1								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.37	20.70
40185	40383	QPSK	1	99	1	0	20.41	20.70
40620	40818	QPSK	1	99	1	0	20.45	20.70
41055	41253	QPSK	1	99	1	0	20.35	20.70
41490	41292	QPSK	1	0	1	99	20.30	20.70

CA_41C Ant2								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.35	23.20
40185	40383	QPSK	1	99	1	0	22.41	23.20
40620	40818	QPSK	1	99	1	0	22.45	23.20
41055	41253	QPSK	1	99	1	0	22.31	23.20
41490	41292	QPSK	1	0	1	99	22.27	23.20

CA_66B Ant1								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	18.41	19.50
132322	132415	QPSK	1	74	1	0	18.55	19.50
132597	132504	QPSK	1	0	1	24	19.46	19.50

CA_66B Ant2								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	21.37	22.20
132322	132415	QPSK	1	74	1	0	21.45	22.20
132597	132504	QPSK	1	0	1	24	21.30	22.20

CA_7C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	1	99	1	0	20.50	22.00
21100	21298	QPSK	1	99	1	0	20.55	22.00
21350	21152	QPSK	1	0	1	99	20.47	22.00
20850	21048	QPSK	50	50	50	0	20.47	22.00
21100	21298	QPSK	50	50	50	0	20.48	22.00
21350	21152	QPSK	50	0	50	50	20.41	22.00

CA_38C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	21.37	22.20
37901	38099	QPSK	1	99	1	0	21.40	22.20
38150	37952	QPSK	1	0	1	99	21.27	22.20

CA_38C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	1	99	1	0	22.00	22.70
37901	38099	QPSK	1	99	1	0	22.07	22.70
38150	37952	QPSK	1	0	1	99	21.92	22.70

CA_41C Ant4								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	22.17	22.70
40185	40383	QPSK	1	99	1	0	22.25	22.70
40620	40818	QPSK	1	99	1	0	22.32	22.70
41055	41253	QPSK	1	99	1	0	22.15	22.70
41490	41292	QPSK	1	0	1	99	22.29	22.70
39750	39948	QPSK	50	50	50	0	22.11	22.70
40185	40383	QPSK	50	50	50	0	22.22	22.70
40620	40818	QPSK	50	50	50	0	22.27	22.70
41055	41253	QPSK	50	50	50	0	22.20	22.70
41490	41292	QPSK	50	0	50	50	22.21	22.70

CA_41C Ant3								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	1	99	1	0	20.25	20.70
40185	40383	QPSK	1	99	1	0	20.27	20.70
40620	40818	QPSK	1	99	1	0	20.40	20.70
41055	41253	QPSK	1	99	1	0	20.25	20.70
41490	41292	QPSK	1	0	1	99	20.11	20.70

CA_66B Ant4								
Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	1	74	1	0	19.15	20.20
132322	132415	QPSK	1	74	1	0	19.27	20.20
132597	132504	QPSK	1	0	1	24	19.00	20.20

Full&Default Power Mode

n5 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.26	25.33	25.23	25.7	0.0
20	PI/2 BPSK	1	53	25.22	25.31	25.22		
20	PI/2 BPSK	1	104	25.22	25.26	25.21		
20	PI/2 BPSK	50	0	24.64	24.72	24.64	25.2	0.5
20	PI/2 BPSK	50	28	25.16	25.29	25.26	25.7	0.0
20	PI/2 BPSK	50	56	24.63	24.74	24.67	25.2	0.5
20	PI/2 BPSK	100	0	24.64	24.78	24.73		
20	QPSK	1	1	25.32	25.41	25.28	25.7	0.0
20	QPSK	1	53	25.23	25.35	25.24		
20	QPSK	1	104	25.09	25.23	25.18		
20	QPSK	50	0	24.18	24.22	24.17	24.7	1.0
20	QPSK	50	28	25.21	25.27	25.23	25.7	0.0
20	QPSK	50	56	24.09	24.17	24.05	24.7	1.0
20	QPSK	100	0	24.22	24.29	24.24		
20	16QAM	1	1	23.97	24.02	23.99	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.79	20.85	20.73	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.25	25.29	25.19	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.20	25.30	25.21	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.18	25.33	25.22	25.7	0.0

n2 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	24.60	24.66	24.56		
40	PI/2 BPSK	1	108	24.41	24.54	24.36	25.5	0.0
40	PI/2 BPSK	1	214	24.41	24.51	24.34		
40	PI/2 BPSK	108	0	24.48	24.51	24.33	25.0	0.5
40	PI/2 BPSK	108	54	24.65	24.71	24.58	25.5	0.0
40	PI/2 BPSK	108	108	24.07	24.12	23.98	25.0	0.5
40	PI/2 BPSK	216	0	24.07	24.16	24.03		
40	QPSK	1	1	24.66	24.72	24.64		
40	QPSK	1	108	24.44	24.54	24.36	25.5	0.0
40	QPSK	1	214	24.62	24.56	24.60		
40	QPSK	108	0	23.51	23.57	23.51	24.5	1.0
40	QPSK	108	54	24.59	24.67	24.65	25.5	0.0
40	QPSK	108	108	23.59	23.56	23.54	24.5	1.0
40	QPSK	216	0	23.60	23.66	23.47		
40	16QAM	1	1	23.56	23.64	23.49	24.5	1.0
40	64QAM	1	1	22.10	22.10	22.00	23.0	2.5
40	256QAM	1	1	20.02	20.14	20.03	21.0	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	24.52	24.63	24.55	25.5	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	24.53	24.60	24.51	25.5	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	24.54	24.65	24.59	25.5	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	24.62	24.62	24.60	25.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.58	24.59	24.61	25.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	24.58	24.66	24.60	25.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.60	24.58	24.61	25.5	0.0

n5 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.74	24.82	24.78		
20	PI/2 BPSK	1	53	24.81	24.83	24.70	25.7	0.0
20	PI/2 BPSK	1	104	24.75	24.82	24.70		
20	PI/2 BPSK	50	0	24.17	24.22	24.21	25.2	0.5
20	PI/2 BPSK	50	28	24.70	24.80	24.74	25.7	0.0
20	PI/2 BPSK	50	56	24.18	24.25	24.19	25.2	0.5
20	PI/2 BPSK	100	0	24.15	24.28	24.28		
20	QPSK	1	1	24.87	24.91	24.85		
20	QPSK	1	53	24.72	24.88	24.78	25.7	0.0
20	QPSK	1	104	24.68	24.70	24.68		
20	QPSK	50	0	23.70	23.79	23.69	24.7	1.0
20	QPSK	50	28	24.79	24.83	24.72	25.7	0.0
20	QPSK	50	56	23.57	23.70	23.59	24.7	1.0
20	QPSK	100	0	23.71	23.82	23.80		
20	16QAM	1	1	23.52	23.55	23.48	24.7	1.0
20	64QAM	1	1	21.92	22.01	21.88	23.2	2.5
20	256QAM	1	1	20.26	20.33	20.32	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.72	24.79	24.78	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.80	24.85	24.82	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.77	24.83	24.74	25.7	0.0

n7 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.97	25.05	24.99		
50	PI/2 BPSK	1	135	25.01	25.02	24.88	25.7	0.0
50	PI/2 BPSK	1	268	25.02	25.04	24.93		
50	PI/2 BPSK	135	0	24.33	24.46	24.33	25.2	0.5
50	PI/2 BPSK	135	68	24.89	25.08	25.04	25.7	0.0
50	PI/2 BPSK	135	135	24.41	24.47	24.36	25.2	0.5
50	PI/2 BPSK	270	0	24.38	24.50	24.44		
50	QPSK	1	1	25.06	25.11	25.03		
50	QPSK	1	135	25.03	25.05	24.97	25.7	0.0
50	QPSK	1	268	24.87	24.96	24.95		
50	QPSK	135	0	23.97	23.91	23.93	24.7	1.0
50	QPSK	135	68	24.95	25.01	24.96	25.7	0.0
50	QPSK	135	135	23.84	23.97	23.85	24.7	1.0
50	QPSK	270	0	23.97	24.08	23.97		
50	16QAM	1	1	23.68	23.75	23.73	24.7	1.0
50	64QAM	1	1	22.13	22.14	22.13	23.2	2.5
50	256QAM	1	1	20.49	20.62	20.43	21.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.98	25.06	24.96	25.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	25.01	25.01	24.95	25.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.92	25.02	24.91	25.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.96	25.06	24.95	25.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	25.02	24.97	24.98	25.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.97	25.07	24.96	25.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.98	24.99	24.94	25.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.92	25.05	24.93	25.7	0.0

n38 Ant1 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.29	25.34	25.27	25.7	0.0
40	PI/2 BPSK	1	53	25.22	25.27	25.22		
40	PI/2 BPSK	1	104	25.29	25.30	25.19		
40	PI/2 BPSK	50	0	24.66	24.74	24.67	25.2	0.5
40	PI/2 BPSK	50	28	25.19	25.30	25.23	25.7	0.0
40	PI/2 BPSK	50	56	24.62	24.81	24.65	25.2	0.5
40	PI/2 BPSK	100	0	24.68	24.77	24.74		
40	QPSK	1	1	25.35	25.41	25.29	25.7	0.0
40	QPSK	1	53	25.27	25.31	25.21		
40	QPSK	1	104	25.11	25.24	25.24		
40	QPSK	50	0	24.15	24.23	24.21	24.7	1.0
40	QPSK	50	28	25.22	25.36	25.28	25.7	0.0
40	QPSK	50	56	24.21	24.26	24.20	24.7	1.0
40	QPSK	100	0	24.27	24.33	24.22		
40	16QAM	1	1	23.95	24.04	23.95	24.7	1.0
40	64QAM	1	1	22.44	22.45	22.34	23.2	2.5
40	256QAM	1	1	20.80	20.82	20.77	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	25.37	25.42	25.20	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	25.37	25.32	25.24	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.31	25.40	25.26	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	25.36	25.39	25.29	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	25.33	25.36	25.21	25.7	0.0

n41 Ant1 Default

BW [MHz]	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	22.46	22.52	22.40	23.0	0.0
100	PI/2 BPSK	1	137	22.46	22.49	22.44		
100	PI/2 BPSK	1	271	22.40	22.45	22.39		
100	PI/2 BPSK	135	0	22.32	22.40	22.27	23.0	0.0
100	PI/2 BPSK	135	69	22.37	22.50	22.39	23.0	0.0
100	PI/2 BPSK	135	138	22.37	22.42	22.33	23.0	0.0
100	PI/2 BPSK	270	0	22.34	22.46	22.32		
100	QPSK	1	1	22.51	22.56	22.49	23.0	0.0
100	QPSK	1	137	22.39	22.51	22.40		
100	QPSK	1	271	22.34	22.46	22.37		
100	QPSK	135	0	22.34	22.44	22.30	23.0	0.0
100	QPSK	135	69	22.42	22.53	22.46	23.0	0.0
100	QPSK	135	138	22.35	22.46	22.42	23.0	0.0
100	QPSK	270	0	22.41	22.50	22.39		
100	16QAM	1	1	22.36	22.39	22.27	23.0	0.0
100	64QAM	1	1	22.25	22.35	22.31	23.0	0.0
100	256QAM	1	1	21.41	21.27	21.39	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.46	22.48	22.40	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.45	22.49	22.37	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.40	22.42	22.37	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.40	22.47	22.38	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.44	22.48	22.35	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.44	22.41	22.42	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.41	22.45	22.41	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.44	22.52	22.35	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.43	22.48	22.38	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.42	22.50	22.39	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.46	22.44	22.41	23.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.40	22.45	22.43	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.42	22.53	22.40	23.0	0.0

n41 PC2 Ant1 Default

BW [MHz]	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	25.68	25.72	25.60	26.0	0.0
100	PI/2 BPSK	1	137	25.63	25.68	25.56		
100	PI/2 BPSK	1	271	25.48	25.59	25.55		
100	PI/2 BPSK	135	0	24.98	25.02	24.88	25.5	0.5
100	PI/2 BPSK	135	69	25.63	25.68	25.53	26.0	0.0
100	PI/2 BPSK	135	138	24.82	24.89	24.85	25.5	0.5
100	PI/2 BPSK	270	0	24.89	24.93	24.89		
100	QPSK	1	1	25.72	25.76	25.66	26.0	0.0
100	QPSK	1	137	25.57	25.70	25.66		
100	QPSK	1	271	25.51	25.63	25.55		
100	QPSK	135	0	24.45	24.60	24.46	25.0	1.0
100	QPSK	135	69	25.59	25.71	25.59	26.0	0.0
100	QPSK	135	138	24.52	24.57	24.52	25.0	1.0
100	QPSK	270	0	24.59	24.64	24.60		
100	16QAM	1	1	24.37	24.51	24.47	25.0	1.0
100	64QAM	1	1	23.05	23.09	23.05	23.5	2.5
100	256QAM	1	1	20.62	20.75	20.62	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.64	25.61	25.62	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.57	25.62	25.53	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.63	25.63	25.59	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.58	25.63	25.54	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.63	25.71	25.56	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	25.67	25.62	25.55	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.59	25.69	25.62	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	25.66	25.64	25.55	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.69	25.71	25.56	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	25.58	25.65	25.54	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.58	25.63	25.61	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.66	25.72	25.62	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.59	25.62	25.57	26.0	0.0

n7 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.91	24.99	24.92	25.7	0.0
50	PI/2 BPSK	1	135	24.92	24.96	24.84		
50	PI/2 BPSK	1	268	24.87	24.92	24.81		
50	PI/2 BPSK	135	0	24.34	24.39	24.30	25.2	0.5
50	PI/2 BPSK	135	68	24.85	24.89	24.78	25.7	0.0
50	PI/2 BPSK	135	135	24.23	24.31	24.28	25.2	0.5
50	PI/2 BPSK	270	0	24.40	24.44	24.41		
50	QPSK	1	1	24.97	25.05	25.00	25.7	0.0
50	QPSK	1	135	24.99	25.03	24.96		
50	QPSK	1	268	24.78	24.90	24.86		
50	QPSK	135	0	23.79	23.84	23.79	24.7	1.0
50	QPSK	135	68	24.90	25.00	24.95	25.7	0.0
50	QPSK	135	135	23.71	23.82	23.77	24.7	1.0
50	QPSK	270	0	23.84	23.88	23.84		
50	16QAM	1	1	23.61	23.68	23.58	24.7	1.0
50	64QAM	1	1	22.00	22.11	21.98	23.2	2.5
50	256QAM	1	1	20.38	20.46	20.41	21.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.90	24.94	24.92	25.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	24.89	24.97	24.97	25.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.89	25.02	24.86	25.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.90	24.92	24.96	25.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.85	24.94	24.92	25.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.87	24.95	24.94	25.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.89	25.00	24.91	25.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.88	24.98	24.94	25.7	0.0

n38 Ant2 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.12	25.17	25.10	25.7	0.0
40	PI/2 BPSK	1	53	25.09	25.12	25.13		
40	PI/2 BPSK	1	104	24.03	25.17	25.16		
40	PI/2 BPSK	50	0	24.63	24.66	24.61	25.2	0.5
40	PI/2 BPSK	50	28	25.06	25.05	24.94	25.7	0.0
40	PI/2 BPSK	50	56	24.58	24.68	24.64	25.2	0.5
40	PI/2 BPSK	100	0	24.60	24.71	24.69		
40	QPSK	1	1	25.20	25.23	25.15	25.7	0.0
40	QPSK	1	53	25.11	25.14	25.08		
40	QPSK	1	104	25.16	25.10	25.07		
40	QPSK	50	0	24.14	24.15	24.14	24.7	1.0
40	QPSK	50	28	25.02	25.14	25.05	25.7	0.0
40	QPSK	50	56	24.12	24.16	24.13	24.7	1.0
40	QPSK	100	0	24.20	24.23	24.15		
40	16QAM	1	1	24.13	24.19	24.11	24.7	1.0
40	64QAM	1	1	22.70	22.71	22.61	23.2	2.5
40	256QAM	1	1	20.67	20.78	20.79	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	25.16	25.20	25.07	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	25.12	25.16	25.03	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.06	25.13	25.06	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	25.12	25.10	25.02	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	25.07	25.18	25.01	25.7	0.0

n41 Ant2 Default

BW [MHz]	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	22.28	22.40	22.23	23.5	0.0
100	PI/2 BPSK	1	137	22.28	22.31	22.30		
100	PI/2 BPSK	1	271	22.26	22.34	22.19		
100	PI/2 BPSK	135	0	22.11	22.19	22.14	23.5	0.0
100	PI/2 BPSK	135	69	22.25	22.29	22.29	23.5	0.0
100	PI/2 BPSK	135	138	22.20	22.31	22.16	23.5	0.0
100	PI/2 BPSK	270	0	22.18	22.35	22.17		
100	QPSK	1	1	22.37	22.42	22.31	23.5	0.0
100	QPSK	1	137	22.21	22.35	22.27		
100	QPSK	1	271	22.12	22.32	22.26		
100	QPSK	135	0	22.16	22.33	22.14	23.5	0.0
100	QPSK	135	69	22.21	22.39	22.31	23.5	0.0
100	QPSK	135	138	22.18	22.31	22.29	23.5	0.0
100	QPSK	270	0	22.29	22.36	22.19		
100	16QAM	1	1	22.22	22.29	22.12	23.5	0.0
100	64QAM	1	1	22.11	22.15	22.16	23.5	0.0
100	256QAM	1	1	21.29	21.37	21.25	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.33	22.37	22.23	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.27	22.34	22.25	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.32	22.39	22.27	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.27	22.30	22.21	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.34	22.38	22.18	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.23	22.29	22.17	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.23	22.29	22.21	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.26	22.38	22.19	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.24	22.32	22.22	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.25	22.29	22.17	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.26	22.37	22.18	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.25	22.28	22.21	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.29	22.36	22.23	23.5	0.0

n41 PC2 Ant2 Default

BW [MHz]	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	25.30	25.39	25.35	26.5	0.0
100	PI/2 BPSK	1	137	25.26	25.37	25.28		
100	PI/2 BPSK	1	271	25.16	25.30	25.17		
100	PI/2 BPSK	135	0	24.65	24.70	24.57	26.0	0.5
100	PI/2 BPSK	135	69	25.32	25.39	25.33	26.5	0.0
100	PI/2 BPSK	135	138	24.50	24.62	24.57	26.0	0.5
100	PI/2 BPSK	270	0	24.52	24.57	24.46		
100	QPSK	1	1	25.35	25.45	25.41	26.5	0.0
100	QPSK	1	137	25.33	25.36	25.29		
100	QPSK	1	271	25.16	25.29	25.17		
100	QPSK	135	0	24.25	24.34	24.28	25.5	1.0
100	QPSK	135	69	25.28	25.36	25.22	26.5	0.0
100	QPSK	135	138	24.21	24.28	24.16	25.5	1.0
100	QPSK	270	0	24.20	24.30	24.16		
100	16QAM	1	1	24.05	24.16	24.11	25.5	1.0
100	64QAM	1	1	22.69	22.77	22.71	24.0	2.5
100	256QAM	1	1	20.36	20.46	20.39	22.0	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.24	25.32	25.38	26.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.21	25.38	25.28	26.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.26	25.35	25.34	26.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.21	25.36	25.34	26.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.25	25.33	25.34	26.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	25.21	25.41	25.33	26.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.23	25.39	25.37	26.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	25.23	25.32	25.33	26.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.31	25.34	25.32	26.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	25.22	25.36	25.31	26.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.25	25.33	25.37	26.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.30	25.31	25.34	26.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.29	25.40	25.31	26.5	0.0

n38 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.53	25.59	25.52	25.7	0.0
40	PI/2 BPSK	1	53	25.46	25.54	25.40		
40	PI/2 BPSK	1	104	25.41	25.50	25.40		
40	PI/2 BPSK	50	0	24.96	25.06	24.97	25.2	0.5
40	PI/2 BPSK	50	28	25.47	25.52	25.42	25.7	0.0
40	PI/2 BPSK	50	56	24.97	25.03	24.94	25.2	0.5
40	PI/2 BPSK	100	0	24.88	25.00	24.91		
40	QPSK	1	1	25.60	25.65	25.58	25.7	0.0
40	QPSK	1	53	25.50	25.58	25.49		
40	QPSK	1	104	25.38	25.50	25.42		
40	QPSK	50	0	24.40	24.48	24.41	24.7	1.0
40	QPSK	50	28	25.45	25.56	25.50	25.7	0.0
40	QPSK	50	56	24.36	24.49	24.36	24.7	1.0
40	QPSK	100	0	24.47	24.52	24.46		
40	16QAM	1	1	24.18	24.30	24.16	24.7	1.0
40	64QAM	1	1	22.67	22.79	22.68	23.2	2.5
40	256QAM	1	1	20.95	21.09	21.04	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	25.63	25.63	25.60	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	25.61	25.64	25.64	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.57	25.60	25.61	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	25.62	25.61	25.56	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	25.56	25.62	25.60	25.7	0.0

n41 Ant3 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.23	23.28	23.14	24.0	0.0
100	PI/2 BPSK	1	137	23.19	23.30	23.18		
100	PI/2 BPSK	1	271	23.13	23.22	23.10		
100	PI/2 BPSK	135	0	23.16	23.22	23.17	24.0	0.0
100	PI/2 BPSK	135	69	23.27	23.35	23.24	24.0	0.0
100	PI/2 BPSK	135	138	23.14	23.26	23.21	24.0	0.0
100	PI/2 BPSK	270	0	23.13	23.22	23.14		
100	QPSK	1	1	23.35	23.42	23.33	24.0	0.0
100	QPSK	1	137	23.16	23.26	23.14		
100	QPSK	1	271	23.14	23.26	23.20		
100	QPSK	135	0	23.18	23.21	23.11	24.0	0.0
100	QPSK	135	69	23.26	23.38	23.33	24.0	0.0
100	QPSK	135	138	23.28	23.32	23.27	24.0	0.0
100	QPSK	270	0	23.24	23.28	23.21		
100	16QAM	1	1	23.19	23.22	23.19	24.0	0.0
100	64QAM	1	1	23.13	23.17	23.12	24.0	0.0
100	256QAM	1	1	22.12	22.26	22.23	22.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.24	23.28	23.22	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.27	23.34	23.19	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.29	23.36	23.23	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.31	23.30	23.22	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.23	23.34	23.22	24.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	23.23	23.32	23.30	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.25	23.35	23.22	24.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	23.21	23.34	23.28	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.30	23.37	23.25	24.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	23.29	23.28	23.28	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.22	23.36	23.23	24.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.28	23.29	23.30	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.24	23.31	23.30	24.0	0.0

n41 PC2 Ant3 Default

BW [MHz]	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	26.29	26.42	26.31	27.0	0.0
100	PI/2 BPSK	1	137	26.29	26.38	26.30		
100	PI/2 BPSK	1	271	26.16	26.24	26.19		
100	PI/2 BPSK	135	0	25.62	25.72	25.64	26.5	0.5
100	PI/2 BPSK	135	69	26.30	26.39	26.29	27.0	0.0
100	PI/2 BPSK	135	138	25.55	25.62	25.57	26.5	0.5
100	PI/2 BPSK	270	0	25.62	25.66	25.53		
100	QPSK	1	1	26.36	26.47	26.43	27.0	0.0
100	QPSK	1	137	26.35	26.42	26.37		
100	QPSK	1	271	26.23	26.29	26.15		
100	QPSK	135	0	25.13	25.27	25.21	26.0	1.0
100	QPSK	135	69	26.36	26.40	26.36	27.0	0.0
100	QPSK	135	138	25.17	25.30	25.16	26.0	1.0
100	QPSK	270	0	25.31	25.37	25.28		
100	16QAM	1	1	25.20	25.27	25.14	26.0	1.0
100	64QAM	1	1	23.66	23.78	23.64	24.5	2.5
100	256QAM	1	1	21.32	21.46	21.31	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.24	26.35	26.36	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.29	26.42	26.34	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.28	26.35	26.35	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.28	26.38	26.35	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.25	26.43	26.29	27.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	26.27	26.40	26.32	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.23	26.33	26.35	27.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	26.27	26.36	26.37	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.32	26.37	26.38	27.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	26.25	26.44	26.40	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.27	26.40	26.39	27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	26.32	26.38	26.38	27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	26.27	26.39	26.38	27.0	0.0

n2 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	24.50	24.59	24.47	25.7	0.0
40	PI/2 BPSK	1	108	24.44	24.51	24.43		
40	PI/2 BPSK	1	214	24.41	24.52	24.44		
40	PI/2 BPSK	108	0	23.94	24.02	23.97	25.2	0.5
40	PI/2 BPSK	108	54	24.43	24.52	24.45	25.7	0.0
40	PI/2 BPSK	108	108	23.93	24.05	23.97	25.2	0.5
40	PI/2 BPSK	216	0	23.95	24.05	23.96		
40	QPSK	1	1	24.52	24.60	24.54	25.7	0.0
40	QPSK	1	108	24.42	24.46	24.43		
40	QPSK	1	214	24.41	24.51	24.42		
40	QPSK	108	0	23.45	23.50	23.43	24.7	1.0
40	QPSK	108	54	24.42	24.47	24.44	25.7	0.0
40	QPSK	108	108	23.32	23.37	23.42	24.7	1.0
40	QPSK	216	0	23.44	23.51	23.42		
40	16QAM	1	1	23.41	23.49	23.45	24.7	1.0
40	64QAM	1	1	21.99	22.11	22.06	23.2	2.5
40	256QAM	1	1	20.03	20.12	20.00	21.2	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	24.39	24.46	24.40	25.7	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	24.43	24.52	24.46	25.7	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	24.41	24.49	24.43	25.7	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	24.41	24.51	24.44	25.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.39	24.46	24.45	25.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	24.39	24.41	24.35	25.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.45	24.43	24.42	25.7	0.0

n7 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.79	24.84	24.81	25.7	0.0
50	PI/2 BPSK	1	135	24.65	24.80	24.70		
50	PI/2 BPSK	1	268	24.64	24.78	24.72		
50	PI/2 BPSK	135	0	24.06	24.19	24.12	25.2	0.5
50	PI/2 BPSK	135	68	24.66	24.74	24.63	25.7	0.0
50	PI/2 BPSK	135	135	24.16	24.24	24.21	25.2	0.5
50	PI/2 BPSK	270	0	24.19	24.24	24.20		
50	QPSK	1	1	24.81	24.89	24.84	25.7	0.0
50	QPSK	1	135	24.69	24.81	24.72		
50	QPSK	1	268	24.70	24.74	24.64		
50	QPSK	135	0	23.60	23.74	23.67	24.7	1.0
50	QPSK	135	68	24.72	24.82	24.78	25.7	0.0
50	QPSK	135	135	23.56	23.61	23.49	24.7	1.0
50	QPSK	270	0	23.71	23.77	23.67		
50	16QAM	1	1	23.31	23.45	23.32	24.7	1.0
50	64QAM	1	1	21.89	21.95	21.83	23.2	2.5
50	256QAM	1	1	20.33	20.37	20.30	21.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.68	24.83	24.72	25.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	24.71	24.80	24.75	25.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.77	24.75	24.71	25.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.72	24.78	24.79	25.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.68	24.81	24.75	25.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.68	24.74	24.73	25.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.68	24.85	24.77	25.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.67	24.83	24.70	25.7	0.0

n38 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	24.92	25.01	24.87	25.7	0.0
40	PI/2 BPSK	1	53	24.90	24.85	24.85		
40	PI/2 BPSK	1	104	24.84	24.86	24.81		
40	PI/2 BPSK	50	0	24.58	24.64	24.63	25.2	0.5
40	PI/2 BPSK	50	28	24.86	24.96	24.84	25.7	0.0
40	PI/2 BPSK	50	56	24.57	24.59	24.65	25.2	0.5
40	PI/2 BPSK	100	0	24.50	24.53	24.49		
40	QPSK	1	1	24.97	25.06	24.92	25.7	0.0
40	QPSK	1	53	24.65	24.99	24.86		
40	QPSK	1	104	24.71	24.98	24.83		
40	QPSK	50	0	23.77	23.99	23.74	24.7	1.0
40	QPSK	50	28	24.73	25.00	24.60	25.7	0.0
40	QPSK	50	56	23.70	23.95	23.69	24.7	1.0
40	QPSK	100	0	23.85	23.97	23.69		
40	16QAM	1	1	23.78	23.92	23.78	24.7	1.0
40	64QAM	1	1	22.22	22.53	22.19	23.2	2.5
40	256QAM	1	1	20.23	20.46	20.21	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	24.85	24.93	24.84	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	24.93	25.01	24.86	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	24.87	24.99	24.87	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	24.89	24.96	24.87	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	24.86	24.95	24.84	25.7	0.0

n41 Ant4 Default

BW [MHz]	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	22.05	22.12	22.08	23.5	0.0
100	PI/2 BPSK	1	137	21.99	22.10	21.98		
100	PI/2 BPSK	1	271	21.95	22.02	21.99		
100	PI/2 BPSK	135	0	22.03	22.07	21.95	23.5	0.0
100	PI/2 BPSK	135	69	21.96	22.10	22.00	23.5	0.0
100	PI/2 BPSK	135	138	22.00	22.07	21.94	23.5	0.0
100	PI/2 BPSK	270	0	22.06	22.13	21.99		
100	QPSK	1	1	22.08	22.17	22.13	23.5	0.0
100	QPSK	1	137	22.04	22.07	22.03		
100	QPSK	1	271	21.91	22.05	21.99		
100	QPSK	135	0	22.00	22.09	21.99	23.5	0.0
100	QPSK	135	69	22.11	22.16	22.03	23.5	0.0
100	QPSK	135	138	21.94	22.02	21.94	23.5	0.0
100	QPSK	270	0	22.02	22.05	21.93		
100	16QAM	1	1	21.90	22.05	21.96	23.5	0.0
100	64QAM	1	1	21.92	22.01	21.95	23.5	0.0
100	256QAM	1	1	20.95	21.06	21.02	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.93	22.05	22.08	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.95	22.04	22.01	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.95	22.05	22.06	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.97	22.06	22.05	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.01	22.14	22.05	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.94	22.06	22.01	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.02	22.03	22.09	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.01	22.08	22.06	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.99	22.13	22.08	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.02	22.07	22.07	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.04	22.04	22.04	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.99	22.09	22.06	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.02	22.05	22.01	23.5	0.0

n41 PC2 Ant4 Default

BW [MHz]	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	25.07	25.19	25.12	26.5	0.0
100	PI/2 BPSK	1	137	25.06	25.16	25.02		
100	PI/2 BPSK	1	271	24.98	25.06	24.99		
100	PI/2 BPSK	135	0	24.38	24.46	24.41	26.0	0.5
100	PI/2 BPSK	135	69	25.00	25.09	25.05	26.5	0.0
100	PI/2 BPSK	135	138	24.28	24.41	24.30	26.0	0.5
100	PI/2 BPSK	270	0	24.39	24.43	24.33		
100	QPSK	1	1	25.20	25.25	25.15	26.5	0.0
100	QPSK	1	137	25.15	25.22	25.11		
100	QPSK	1	271	24.92	25.05	25.02		
100	QPSK	135	0	24.00	24.07	23.99	25.5	1.0
100	QPSK	135	69	25.08	25.21	25.08	26.5	0.0
100	QPSK	135	138	23.95	24.05	24.01	25.5	1.0
100	QPSK	270	0	24.14	24.17	24.12		
100	16QAM	1	1	23.90	23.99	23.88	25.5	1.0
100	64QAM	1	1	22.44	22.59	22.45	24.0	2.5
100	256QAM	1	1	20.12	20.21	20.16	22.0	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.15	25.16	25.06	26.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.16	25.17	25.03	26.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.17	25.22	25.01	26.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.15	25.15	25.04	26.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.12	25.18	25.03	26.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	25.06	25.14	25.01	26.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.15	25.16	25.08	26.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	25.15	25.18	25.12	26.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.10	25.17	25.11	26.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	25.09	25.17	25.09	26.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.14	25.21	25.05	26.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.11	25.17	25.07	26.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.09	25.22	25.00	26.5	0.0

n48 Part96 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	23.17	23.24	23.19	24.0	0.0
40	PI/2 BPSK	1	53	23.13	23.19	23.07		
40	PI/2 BPSK	1	104	23.06	23.17	23.04		
40	PI/2 BPSK	50	0	22.53	22.58	22.51	23.5	0.5
40	PI/2 BPSK	50	28	23.05	23.19	23.04	24.0	0.0
40	PI/2 BPSK	50	56	22.51	22.57	22.48	23.5	0.5
40	PI/2 BPSK	100	0	22.59	22.69	22.64		
40	QPSK	1	1	23.22	23.28	23.21	24.0	0.0
40	QPSK	1	53	23.16	23.23	23.11		
40	QPSK	1	104	23.00	23.07	22.95		
40	QPSK	50	0	21.94	22.07	21.97	23.0	1.0
40	QPSK	50	28	23.13	23.19	23.10	24.0	0.0
40	QPSK	50	56	21.97	22.06	21.95	23.0	1.0
40	QPSK	100	0	22.10	22.15	22.04		
40	16QAM	1	1	21.79	21.86	21.71	23.0	1.0
40	64QAM	1	1	20.21	20.36	20.23	21.5	2.5
40	256QAM	1	1	18.63	18.69	18.62	19.5	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	23.08	23.18	23.10	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	23.08	23.16	23.10	24.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	23.07	23.18	23.06	24.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.07	23.22	23.13	24.0	0.0

Part27O n77 Ant5 Default

BW [MHz]	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	22.55	22.65	22.57	23.5	0.0
100	PI/2 BPSK	1	137	22.50	22.63	22.51		
100	PI/2 BPSK	1	271	22.50	22.58	22.52		
100	PI/2 BPSK	135	0	22.42	22.56	22.42	23.5	0.0
100	PI/2 BPSK	135	69	22.62	22.66	22.57	23.5	0.0
100	PI/2 BPSK	135	138	22.47	22.52	22.45	23.5	0.0
100	PI/2 BPSK	270	0	22.46	22.53	22.40		
100	QPSK	1	1	22.65	22.69	22.60	23.5	0.0
100	QPSK	1	137	22.63	22.67	22.62		
100	QPSK	1	271	22.56	22.62	22.55		
100	QPSK	135	0	22.48	22.57	22.52	23.5	0.0
100	QPSK	135	69	22.52	22.62	22.54	23.5	0.0
100	QPSK	135	138	22.41	22.53	22.47	23.5	0.0
100	QPSK	270	0	22.49	22.59	22.46		
100	16QAM	1	1	22.37	22.50	22.47	23.5	0.0
100	64QAM	1	1	22.38	22.45	22.33	23.5	0.0
100	256QAM	1	1	21.52	21.60	21.54	22.0	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.55	22.66	22.47	23.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.57	22.56	22.55	23.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.52	22.64	22.47	23.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.61	22.57	22.51	23.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.60	22.56	22.45	23.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.54	22.60	22.49	23.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.54	22.61	22.51	23.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	22.61	22.56	22.50	23.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.61	22.59	22.49	23.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.57	22.54	22.47	23.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.59	22.64	22.56	23.5	0.0

Part27O n77 PC2 Ant5 Default

BW [MHz]	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	25.55	25.59	25.52	26.5	0.0
100	PI/2 BPSK	1	137	25.54	25.60	25.57		
100	PI/2 BPSK	1	271	25.44	25.50	25.37		
100	PI/2 BPSK	135	0	24.82	24.91	24.78	26.0	0.5
100	PI/2 BPSK	135	69	25.49	25.59	25.45	26.5	0.0
100	PI/2 BPSK	135	138	24.68	24.79	24.64	26.0	0.5
100	PI/2 BPSK	270	0	24.80	24.87	24.75		
100	QPSK	1	1	25.54	25.65	25.58	26.5	0.0
100	QPSK	1	137	25.53	25.61	25.56		
100	QPSK	1	271	25.44	25.53	25.42		
100	QPSK	135	0	24.32	24.44	24.35	25.5	1.0
100	QPSK	135	69	25.48	25.60	25.52	26.5	0.0
100	QPSK	135	138	24.40	24.47	24.38	25.5	1.0
100	QPSK	270	0	24.54	24.57	24.44		
100	16QAM	1	1	24.27	24.35	24.29	25.5	1.0
100	64QAM	1	1	22.92	23.04	22.92	24.0	2.5
100	256QAM	1	1	20.61	20.71	20.60	22.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.45	25.58	25.48	26.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.39	25.56	25.50	26.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.42	25.51	25.47	26.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.41	25.55	25.49	26.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.39	25.54	25.43	26.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.47	25.59	25.43	26.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.42	25.53	25.47	26.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	25.40	25.57	25.50	26.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.43	25.52	25.45	26.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	25.47	25.51	25.49	26.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.45	25.56	25.46	26.5	0.0

Part27Q n77 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.73		23.5	0.0
100	PI/2 BPSK	1	137		22.68			
100	PI/2 BPSK	1	271		22.56			
100	PI/2 BPSK	135	0		22.52		23.5	0.0
100	PI/2 BPSK	135	69		22.70		23.5	0.0
100	PI/2 BPSK	135	138		22.61		23.5	0.0
100	PI/2 BPSK	270	0		22.64			
100	QPSK	1	1		22.77		23.5	0.0
100	QPSK	1	137		22.71			
100	QPSK	1	271		22.67			
100	QPSK	135	0		22.64		23.5	0.0
100	QPSK	135	69		22.73		23.5	0.0
100	QPSK	135	138		22.68			
100	QPSK	270	0		22.71		23.5	0.0
100	16QAM	1	1		22.60		23.5	0.0
100	64QAM	1	1		22.57		23.5	0.0
100	256QAM	1	1		21.68		22.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.70	22.72	22.56	23.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.62	22.70	22.66	23.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.60	22.67	22.60	23.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.69	22.66	22.67	23.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.68	22.70	22.67	23.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.67	22.64	22.59	23.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.66	22.71	22.56	23.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.58	22.69	22.63	23.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.59	22.68	22.65	23.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.68	22.72	22.59	23.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.64	22.65	22.58	23.5	0.0

Part27Q n77 PC2 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.58		26.5	0.0
100	PI/2 BPSK	1	137		25.53			
100	PI/2 BPSK	1	271		25.40			
100	PI/2 BPSK	135	0		24.85		26.0	0.5
100	PI/2 BPSK	135	69		25.51		26.5	0.0
100	PI/2 BPSK	135	138		24.73		26.0	0.5
100	PI/2 BPSK	270	0		24.82			
100	QPSK	1	1		25.62		26.5	0.0
100	QPSK	1	137		25.55			
100	QPSK	1	271		25.46			
100	QPSK	135	0		24.40		25.5	1.0
100	QPSK	135	69		25.53		26.5	0.0
100	QPSK	135	138		24.39		25.5	1.0
100	QPSK	270	0		24.50			
100	16QAM	1	1		24.40		25.5	1.0
100	64QAM	1	1		22.94		24.0	2.5
100	256QAM	1	1		20.58		22.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.46	25.51	25.37	26.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.49	25.57	25.47	26.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.46	25.48	25.37	26.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.51	25.50	25.39	26.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.48	25.55	25.48	26.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.52	25.48	25.37	26.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.44	25.53	25.39	26.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.46	25.55	25.42	26.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.48	25.57	25.40	26.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.49	25.51	25.46	26.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.46	25.49	25.44	26.5	0.0

Part27O n78 Ant5 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.51		24.5	0.0
100	PI/2 BPSK	1	137		23.45			
100	PI/2 BPSK	1	271		23.42			
100	PI/2 BPSK	135	0		23.40		24.5	0.0
100	PI/2 BPSK	135	69		23.46		24.5	0.0
100	PI/2 BPSK	135	138		23.39		24.5	0.0
100	PI/2 BPSK	270	0		23.43			
100	QPSK	1	1		23.55		24.5	0.0
100	QPSK	1	137		23.48			
100	QPSK	1	271		23.50			
100	QPSK	135	0		23.43		24.5	0.0
100	QPSK	135	69		23.52		24.5	0.0
100	QPSK	135	138		23.42		24.5	0.0
100	QPSK	270	0		23.47			
100	16QAM	1	1		23.36		24.5	0.0
100	64QAM	1	1		23.33		24.5	0.0
100	256QAM	1	1		22.50		23.0	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.44	23.48	23.35	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.43	23.45	23.40	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.44	23.46	23.40	24.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.39	23.49	23.35	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.40	23.51	23.36	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.42	23.42	23.32	24.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.40	23.50	23.41	24.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.43	23.47	23.38	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.37	23.52	23.42	24.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.45	23.48	23.42	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.43	23.51	23.34	24.5	0.0

Part27O n78 PC2 Ant5 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.36		27.5	0.0
100	PI/2 BPSK	1	137		26.33			
100	PI/2 BPSK	1	271		26.28			
100	PI/2 BPSK	135	0		25.90		27.0	0.5
100	PI/2 BPSK	135	69		26.30		27.5	0.0
100	PI/2 BPSK	135	138		25.83		27.0	0.5
100	PI/2 BPSK	270	0		25.88			
100	QPSK	1	1		26.41		27.5	0.0
100	QPSK	1	137		26.32			
100	QPSK	1	271		26.25			
100	QPSK	135	0		25.46		26.5	1.0
100	QPSK	135	69		26.38		27.5	0.0
100	QPSK	135	138		25.35		26.5	1.0
100	QPSK	270	0		25.43			
100	16QAM	1	1		25.46		26.5	1.0
100	64QAM	1	1		23.91		25.0	2.5
100	256QAM	1	1		21.73		23.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.22	26.30	26.15	27.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.29	26.37	26.21	27.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.25	26.33	26.23	27.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.26	26.35	26.15	27.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.24	26.36	26.17	27.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.25	26.28	26.19	27.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.24	26.29	26.18	27.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	26.31	26.33	26.23	27.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.26	26.26	26.25	27.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	26.24	26.32	26.22	27.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	26.19	26.29	26.23	27.5	0.0

Part27Q n78 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.81		24.5	0.0
100	PI/2 BPSK	1	137		23.78			
100	PI/2 BPSK	1	271		23.69			
100	PI/2 BPSK	135	0		23.69		24.5	0.0
100	PI/2 BPSK	135	69		23.70		24.5	0.0
100	PI/2 BPSK	135	138		23.65		24.5	0.0
100	PI/2 BPSK	270	0		23.72			
100	QPSK	1	1		23.84		24.5	0.0
100	QPSK	1	137		23.79			
100	QPSK	1	271		23.73			
100	QPSK	135	0		23.77		24.5	0.0
100	QPSK	135	69		23.76		24.5	0.0
100	QPSK	135	138		23.64		24.5	0.0
100	QPSK	270	0		23.70			
100	16QAM	1	1		23.61		24.5	0.0
100	64QAM	1	1		23.57		24.5	0.0
100	256QAM	1	1		22.60		23.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.67	23.80	23.69	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.64	23.73	23.63	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.65	23.77	23.68	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.73	23.74	23.67	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.71	23.77	23.70	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.72	23.72	23.66	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.64	23.79	23.69	24.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.74	23.71	23.63	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.75	23.73	23.62	24.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.74	23.74	23.65	24.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.73	23.71	23.72	24.5	0.0

Part27Q n78 PC2 Ant5 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.68		27.5	0.0
100	PI/2 BPSK	1	137		26.60			
100	PI/2 BPSK	1	271		26.51			
100	PI/2 BPSK	135	0		26.23		27.0	0.5
100	PI/2 BPSK	135	69		26.58		27.5	0.0
100	PI/2 BPSK	135	138		26.07		27.0	0.5
100	PI/2 BPSK	270	0		26.20			
100	QPSK	1	1		26.73		27.5	0.0
100	QPSK	1	137		26.62			
100	QPSK	1	271		26.55			
100	QPSK	135	0		25.74		26.5	1.0
100	QPSK	135	69		26.62		27.5	0.0
100	QPSK	135	138		25.64		26.5	1.0
100	QPSK	270	0		25.70			
100	16QAM	1	1		25.61		26.5	1.0
100	64QAM	1	1		24.15		25.0	2.5
100	256QAM	1	1		22.00		23.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.54	26.62	26.53	27.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.56	26.66	26.54	27.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.58	26.69	26.50	27.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.62	26.67	26.61	27.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.57	26.59	26.57	27.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.60	26.64	26.54	27.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.64	26.70	26.52	27.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.63	26.69	26.53	27.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.55	26.58	26.53	27.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	26.56	26.68	26.61	27.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.54	26.65	26.51	27.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.12	21.20	21.14	22.5	0.0
40	PI/2 BPSK	1	53	21.08	21.15	21.11		
40	PI/2 BPSK	1	104	20.97	21.09	20.98		
40	PI/2 BPSK	50	0	20.51	20.59	20.51	22.0	0.5
40	PI/2 BPSK	50	28	21.14	21.17	21.02	22.5	0.0
40	PI/2 BPSK	50	56	20.49	20.61	20.54	22.0	0.5
40	PI/2 BPSK	100	0	20.60	20.68	20.64		
40	QPSK	1	1	21.16	21.23	21.18	22.5	0.0
40	QPSK	1	53	21.02	21.15	21.00		
40	QPSK	1	104	21.01	21.10	20.98		
40	QPSK	50	0	20.06	20.13	19.99	21.5	1.0
40	QPSK	50	28	21.04	21.18	21.05	22.5	0.0
40	QPSK	50	56	19.88	20.01	19.87	21.5	1.0
40	QPSK	100	0	19.96	20.09	19.94		
40	16QAM	1	1	19.82	19.91	19.87	21.5	1.0
40	64QAM	1	1	18.12	18.26	18.15	20.0	2.5
40	256QAM	1	1	16.65	16.76	16.71	18.0	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.04	21.12	21.04	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.02	21.20	21.06	22.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.05	21.15	21.14	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.03	21.13	21.15	22.5	0.0

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BW [MHz]	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	22.37	22.43	22.32	24.0	0.0
100	PI/2 BPSK	1	137	22.19	22.33	22.20		
100	PI/2 BPSK	1	271	22.20	22.26	22.14		
100	PI/2 BPSK	135	0	22.19	22.25	22.19	24.0	0.0
100	PI/2 BPSK	135	69	22.30	22.35	22.31	24.0	0.0
100	PI/2 BPSK	135	138	22.15	22.23	22.17	24.0	0.0
100	PI/2 BPSK	270	0	22.24	22.36	22.24		
100	QPSK	1	1	22.43	22.53	22.37	24.0	0.0
100	QPSK	1	137	22.28	22.41	22.29		
100	QPSK	1	271	22.26	22.33	22.21		
100	QPSK	135	0	22.33	22.38	22.32	24.0	0.0
100	QPSK	135	69	22.36	22.42	22.30	24.0	0.0
100	QPSK	135	138	22.20	22.31	22.18	24.0	0.0
100	QPSK	270	0	22.35	22.40	22.26		
100	16QAM	1	1	22.19	22.25	22.13	24.0	0.0
100	64QAM	1	1	22.15	22.20	22.12	24.0	0.0
100	256QAM	1	1	21.23	21.33	21.19	22.5	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.29	22.34	22.22	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.35	22.42	22.24	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.28	22.37	22.31	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.29	22.38	22.28	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.30	22.41	22.32	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.33	22.36	22.28	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.29	22.38	22.31	24.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	22.36	22.41	22.25	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.38	22.44	22.27	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.37	22.43	22.22	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.36	22.40	22.25	24.0	0.0

Part27O n77 PC2 Ant6 Default

BW [MHz]	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	25.31	25.38	25.34	27.0	0.0
100	PI/2 BPSK	1	137	25.19	25.25	25.19		
100	PI/2 BPSK	1	271	25.21	25.28	25.16		
100	PI/2 BPSK	135	0	24.74	24.82	24.71	26.5	0.5
100	PI/2 BPSK	135	69	25.18	25.26	25.14	27.0	0.0
100	PI/2 BPSK	135	138	24.71	24.78	24.64	26.5	0.5
100	PI/2 BPSK	270	0	24.68	24.82	24.69		
100	QPSK	1	1	25.35	25.43	25.38	27.0	0.0
100	QPSK	1	137	25.26	25.30	25.24		
100	QPSK	1	271	25.12	25.17	25.12		
100	QPSK	135	0	24.25	24.39	24.29	26.0	1.0
100	QPSK	135	69	25.35	25.39	25.30	27.0	0.0
100	QPSK	135	138	24.26	24.31	24.20	26.0	1.0
100	QPSK	270	0	24.26	24.38	24.29		
100	16QAM	1	1	24.36	24.47	24.40	26.0	1.0
100	64QAM	1	1	22.72	22.82	22.71	24.5	2.5
100	256QAM	1	1	20.62	20.73	20.69	22.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.21	25.38	25.23	27.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.27	25.40	25.28	27.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.25	25.29	25.29	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.26	25.38	25.29	27.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.22	25.32	25.27	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.32	25.37	25.35	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.27	25.40	25.31	27.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	25.24	25.33	25.28	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.32	25.39	25.34	27.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	25.32	25.34	25.35	27.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.30	25.38	25.28	27.0	0.0

Part27Q n77 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.39			
100	PI/2 BPSK	1	137		22.32		24.0	0.0
100	PI/2 BPSK	1	271		22.26			
100	PI/2 BPSK	135	0		22.20		24.0	0.0
100	PI/2 BPSK	135	69		22.31		24.0	0.0
100	PI/2 BPSK	135	138		22.26		24.0	0.0
100	PI/2 BPSK	270	0		22.26			
100	QPSK	1	1		22.44			
100	QPSK	1	137		22.29		24.0	0.0
100	QPSK	1	271		22.29			
100	QPSK	135	0		22.21		24.0	0.0
100	QPSK	135	69		22.37		24.0	0.0
100	QPSK	135	138		22.22		24.0	0.0
100	QPSK	270	0		22.29			
100	16QAM	1	1		22.22		24.0	0.0
100	64QAM	1	1		22.17		24.0	0.0
100	256QAM	1	1		21.34		22.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.30	22.33	22.27	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.32	22.39	22.25	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.31	22.29	22.20	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.34	22.31	22.30	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.28	22.36	22.22	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.27	22.32	22.30	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.36	22.33	22.26	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.26	22.29	22.21	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.27	22.34	22.31	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.30	22.38	22.27	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.26	22.36	22.28	24.0	0.0

Part27Q n77 PC2 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.58			
100	PI/2 BPSK	1	137		25.55		27.0	0.0
100	PI/2 BPSK	1	271		25.49			
100	PI/2 BPSK	135	0		25.13		26.5	0.5
100	PI/2 BPSK	135	69		25.53		27.0	0.0
100	PI/2 BPSK	135	138		25.04		26.5	0.5
100	PI/2 BPSK	270	0		25.05			
100	QPSK	1	1		25.61			
100	QPSK	1	137		25.57		27.0	0.0
100	QPSK	1	271		25.45			
100	QPSK	135	0		24.61		26.0	1.0
100	QPSK	135	69		25.55		27.0	0.0
100	QPSK	135	138		24.54		26.0	1.0
100	QPSK	270	0		24.64			
100	16QAM	1	1		24.66		26.0	1.0
100	64QAM	1	1		23.14		24.5	2.5
100	256QAM	1	1		20.93		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.49	25.52	25.37	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.49	25.46	25.41	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.50	25.54	25.39	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.51	25.50	25.37	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.44	25.49	25.44	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.42	25.53	25.36	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.48	25.57	25.44	27.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.45	25.58	25.37	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.46	25.56	25.38	27.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.42	25.54	25.46	27.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.43	25.55	25.44	27.0	0.0

Part27O n78 Ant6 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.64			
100	PI/2 BPSK	1	137		23.50		25.0	0.0
100	PI/2 BPSK	1	271		23.51			
100	PI/2 BPSK	135	0		23.56		25.0	0.0
100	PI/2 BPSK	135	69		23.54		25.0	0.0
100	PI/2 BPSK	135	138		23.48		25.0	0.0
100	PI/2 BPSK	270	0		23.60			
100	QPSK	1	1		23.70			
100	QPSK	1	137		23.53		25.0	0.0
100	QPSK	1	271		23.56			
100	QPSK	135	0		23.56		25.0	0.0
100	QPSK	135	69		23.63		25.0	0.0
100	QPSK	135	138		23.51		25.0	0.0
100	QPSK	270	0		23.57			
100	16QAM	1	1		23.50		25.0	0.0
100	64QAM	1	1		23.50		25.0	0.0
100	256QAM	1	1		22.66		23.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.55	23.65	23.58	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.52	23.66	23.57	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.62	23.60	23.53	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.63	23.61	23.58	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.56	23.56	23.56	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.54	23.55	23.50	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.57	23.65	23.55	25.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.63	23.62	23.49	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.53	23.60	23.55	25.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.57	23.64	23.59	25.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.60	23.57	23.48	25.0	0.0

Part27O n78 PC2 Ant6 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.54		27.5	0.0
100	PI/2 BPSK	1	137		26.50			
100	PI/2 BPSK	1	271		26.43			
100	PI/2 BPSK	135	0		26.14		27.0	0.5
100	PI/2 BPSK	135	69		26.43		27.5	0.0
100	PI/2 BPSK	135	138		26.03		27.0	0.5
100	PI/2 BPSK	270	0		26.09			
100	QPSK	1	1		26.59		27.5	0.0
100	QPSK	1	137		26.55			
100	QPSK	1	271		26.41			
100	QPSK	135	0		25.60		26.5	1.0
100	QPSK	135	69		26.55		27.5	0.0
100	QPSK	135	138		25.60		26.5	1.0
100	QPSK	270	0		25.59			
100	16QAM	1	1		25.67		26.5	1.0
100	64QAM	1	1		24.06		25.0	2.5
100	256QAM	1	1		21.87		23.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.42	26.49	26.40	27.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.42	26.51	26.42	27.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.44	26.48	26.45	27.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.46	26.44	26.38	27.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.48	26.53	26.45	27.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.47	26.46	26.39	27.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.50	26.48	26.38	27.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	26.48	26.45	26.36	27.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.50	26.55	26.47	27.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	26.43	26.46	26.37	27.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	26.51	26.47	26.39	27.5	0.0

Part27Q n78 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.81		25.0	0.0
100	PI/2 BPSK	1	137		23.80			
100	PI/2 BPSK	1	271		23.78			
100	PI/2 BPSK	135	0		23.76		25.0	0.0
100	PI/2 BPSK	135	69		23.79		25.0	0.0
100	PI/2 BPSK	135	138		23.68		25.0	0.0
100	PI/2 BPSK	270	0		23.79			
100	QPSK	1	1		23.91		25.0	0.0
100	QPSK	1	137		23.75			
100	QPSK	1	271		23.77			
100	QPSK	135	0		23.69		25.0	0.0
100	QPSK	135	69		23.83		25.0	0.0
100	QPSK	135	138		23.70		25.0	0.0
100	QPSK	270	0		23.79			
100	16QAM	1	1		23.73		25.0	0.0
100	64QAM	1	1		23.61		25.0	0.0
100	256QAM	1	1		22.80		23.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.76	23.81	23.75	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.74	23.88	23.74	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.75	23.87	23.73	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.74	23.84	23.78	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.71	23.79	23.80	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.69	23.78	23.80	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.79	23.77	23.79	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.68	23.81	23.74	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.79	23.79	23.79	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.71	23.82	23.81	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.71	23.86	23.78	25.0	0.0

Part27Q n78 PC2 Ant6 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.60		27.5	0.0
100	PI/2 BPSK	1	137		26.46			
100	PI/2 BPSK	1	271		26.45			
100	PI/2 BPSK	135	0		26.07		27.0	0.5
100	PI/2 BPSK	135	69		26.50		27.5	0.0
100	PI/2 BPSK	135	138		26.03		27.0	0.5
100	PI/2 BPSK	270	0		26.12			
100	QPSK	1	1		26.65		27.5	0.0
100	QPSK	1	137		26.47			
100	QPSK	1	271		26.44			
100	QPSK	135	0		25.61		26.5	1.0
100	QPSK	135	69		26.60		27.5	0.0
100	QPSK	135	138		25.51		26.5	1.0
100	QPSK	270	0		25.66			
100	16QAM	1	1		25.61		26.5	1.0
100	64QAM	1	1		24.09		25.0	2.5
100	256QAM	1	1		21.91		23.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.53	26.57	26.49	27.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.55	26.58	26.49	27.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.55	26.54	26.55	27.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.52	26.54	26.45	27.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.54	26.53	26.49	27.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.53	26.57	26.50	27.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.52	26.60	26.44	27.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.46	26.59	26.46	27.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.55	26.55	26.48	27.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	26.58	26.50	26.46	27.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.57	26.58	26.49	27.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.36	21.42	21.38	22.5	0.0
40	PI/2 BPSK	1	53	21.32	21.41	21.31		
40	PI/2 BPSK	1	104	21.28	21.37	21.26		
40	PI/2 BPSK	50	0	20.76	20.84	20.71	22.0	0.5
40	PI/2 BPSK	50	28	21.25	21.31	21.24	22.5	0.0
40	PI/2 BPSK	50	56	20.71	20.80	20.65	22.0	0.5
40	PI/2 BPSK	100	0	20.75	20.87	20.83		
40	QPSK	1	1	21.39	21.45	21.42	22.5	0.0
40	QPSK	1	53	21.38	21.42	21.31		
40	QPSK	1	104	21.27	21.37	21.29		
40	QPSK	50	0	20.16	20.25	20.14	21.5	1.0
40	QPSK	50	28	21.18	21.31	21.21	22.5	0.0
40	QPSK	50	56	20.15	20.26	20.23	21.5	1.0
40	QPSK	100	0	20.32	20.37	20.31		
40	16QAM	1	1	19.95	20.06	19.93	21.5	1.0
40	64QAM	1	1	18.45	18.49	18.43	20.0	2.5
40	256QAM	1	1	16.81	16.88	16.75	18.0	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.28	21.33	21.32	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.29	21.42	21.32	22.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.34	21.35	21.34	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.34	21.36	21.29	22.5	0.0

Part27O n77 Ant7 Default

BW [MHz]	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	21.13	20.81	20.65	22.0	0.0
100	PI/2 BPSK	1	137	21.10	20.69	20.60		
100	PI/2 BPSK	1	271	20.98	20.72	20.61		
100	PI/2 BPSK	135	0	21.02	20.65	20.60	22.0	0.0
100	PI/2 BPSK	135	69	21.08	20.77	20.67	22.0	0.0
100	PI/2 BPSK	135	138	21.00	20.63	20.52	22.0	0.0
100	PI/2 BPSK	270	0	21.09	20.71	20.57		
100	QPSK	1	1	21.16	20.86	20.76	22.0	0.0
100	QPSK	1	137	21.04	20.75	20.70		
100	QPSK	1	271	21.12	20.73	20.74		
100	QPSK	135	0	21.03	20.67	20.67	22.0	0.0
100	QPSK	135	69	21.14	20.82	20.72	22.0	0.0
100	QPSK	135	138	20.99	20.69	20.65	22.0	0.0
100	QPSK	270	0	21.05	20.72	20.71		
100	16QAM	1	1	20.95	20.67	20.52	22.0	0.0
100	64QAM	1	1	20.91	20.54	20.48	22.0	0.0
100	256QAM	1	1	20.15	19.74	19.64	20.5	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	21.11	20.77	20.71	22.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.05	20.80	20.68	22.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.12	20.79	20.72	22.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.05	20.83	20.68	22.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.08	20.75	20.72	22.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.03	20.81	20.66	22.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.01	20.74	20.65	22.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	21.06	20.71	20.63	22.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.11	20.76	20.66	22.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.03	20.79	20.63	22.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.07	20.73	20.66	22.0	0.0

Part27O n77 PC2 Ant7 Default

BW [MHz]	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	24.12	23.82	23.75	25.0	0.0
100	PI/2 BPSK	1	137	24.09	23.78	23.70		
100	PI/2 BPSK	1	271	24.11	23.77	23.65		
100	PI/2 BPSK	135	0	23.75	23.36	23.25	24.5	0.5
100	PI/2 BPSK	135	69	24.08	23.74	23.66	25.0	0.0
100	PI/2 BPSK	135	138	23.65	23.28	23.21	24.5	0.5
100	PI/2 BPSK	270	0	23.62	23.39	23.25		
100	QPSK	1	1	24.19	23.84	23.80	25.0	0.0
100	QPSK	1	137	24.10	23.80	23.73		
100	QPSK	1	271	24.02	23.77	23.72		
100	QPSK	135	0	23.31	22.93	22.80	24.0	1.0
100	QPSK	135	69	24.15	23.81	23.72	25.0	0.0
100	QPSK	135	138	23.17	22.80	22.72	24.0	1.0
100	QPSK	270	0	23.24	22.93	22.88		
100	16QAM	1	1	23.23	22.99	22.94	24.0	1.0
100	64QAM	1	1	21.66	21.41	21.27	22.5	2.5
100	256QAM	1	1	19.57	19.21	19.16	20.5	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.12	23.71	23.71	25.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	24.10	23.70	23.71	25.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.08	23.76	23.69	25.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.08	23.69	23.74	25.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.16	23.79	23.75	25.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	24.11	23.79	23.76	25.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	24.06	23.70	23.77	25.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	24.13	23.77	23.76	25.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	24.04	23.80	23.72	25.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.10	23.73	23.67	25.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.05	23.76	23.71	25.0	0.0

Part27Q n77 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.36		22.0	0.0
100	PI/2 BPSK	1	137		21.29			
100	PI/2 BPSK	1	271		21.26			
100	PI/2 BPSK	135	0		21.15		22.0	0.0
100	PI/2 BPSK	135	69		21.24		22.0	0.0
100	PI/2 BPSK	135	138		21.18		22.0	0.0
100	PI/2 BPSK	270	0		21.24			
100	QPSK	1	1		21.41		22.0	0.0
100	QPSK	1	137		21.35			
100	QPSK	1	271		21.28			
100	QPSK	135	0		21.21		22.0	0.0
100	QPSK	135	69		21.38		22.0	0.0
100	QPSK	135	138		21.19		22.0	0.0
100	QPSK	270	0		21.22			
100	16QAM	1	1		21.11		22.0	0.0
100	64QAM	1	1		21.10		22.0	0.0
100	256QAM	1	1		20.35		20.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.22	21.30	21.20	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.28	21.28	21.29	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.21	21.26	21.25	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.21	21.36	21.26	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.21	21.28	21.20	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.22	21.37	21.28	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.21	21.30	21.20	22.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.28	21.32	21.27	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.27	21.28	21.24	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.33	21.27	21.20	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.28	21.32	21.19	22.0	0.0

Part27Q n77 PC2 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.27		25.0	0.0
100	PI/2 BPSK	1	137		24.22			
100	PI/2 BPSK	1	271		24.11			
100	PI/2 BPSK	135	0		23.79		24.5	0.5
100	PI/2 BPSK	135	69		24.23		25.0	0.0
100	PI/2 BPSK	135	138		23.74		24.5	0.5
100	PI/2 BPSK	270	0		23.75			
100	QPSK	1	1		24.32		25.0	0.0
100	QPSK	1	137		24.22			
100	QPSK	1	271		24.18			
100	QPSK	135	0		23.32		24.0	1.0
100	QPSK	135	69		24.27		25.0	0.0
100	QPSK	135	138		23.25		24.0	1.0
100	QPSK	270	0		23.28			
100	16QAM	1	1		23.35		24.0	1.0
100	64QAM	1	1		21.78		22.5	2.5
100	256QAM	1	1		19.67		20.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.20	24.29	24.09	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.13	24.20	24.11	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.22	24.18	24.15	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.17	24.24	24.10	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.16	24.19	24.16	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.21	24.21	24.10	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.22	24.27	24.16	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	24.11	24.17	24.09	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.14	24.21	24.13	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.20	24.28	24.14	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.20	24.24	24.14	25.0	0.0

Part27O n78 Ant7 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.68		25.0	0.0
100	PI/2 BPSK	1	137		23.65			
100	PI/2 BPSK	1	271		23.58			
100	PI/2 BPSK	135	0		23.56		25.0	0.0
100	PI/2 BPSK	135	69		23.69		25.0	0.0
100	PI/2 BPSK	135	138		23.53		25.0	0.0
100	PI/2 BPSK	270	0		23.64			
100	QPSK	1	1		23.73		25.0	0.0
100	QPSK	1	137		23.69			
100	QPSK	1	271		23.64			
100	QPSK	135	0		23.63		25.0	0.0
100	QPSK	135	69		23.68		25.0	0.0
100	QPSK	135	138		23.57		25.0	0.0
100	QPSK	270	0		23.62			
100	16QAM	1	1		23.54		25.0	0.0
100	64QAM	1	1		23.57		25.0	0.0
100	256QAM	1	1		22.69		23.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.55	23.68	23.56	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.61	23.66	23.54	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.56	23.59	23.55	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.62	23.63	23.58	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.65	23.62	23.59	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.57	23.60	23.51	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.61	23.65	23.57	25.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.65	23.69	23.52	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.62	23.62	23.51	25.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.61	23.64	23.55	25.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.58	23.68	23.52	25.0	0.0

Part27O n78 PC2 Ant7 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		24.93		26.5	0.0
100	PI/2 BPSK	1	137		24.88			
100	PI/2 BPSK	1	271		24.89			
100	PI/2 BPSK	135	0		24.49		26.0	0.5
100	PI/2 BPSK	135	69		24.91		26.5	0.0
100	PI/2 BPSK	135	138		24.41		26.0	0.5
100	PI/2 BPSK	270	0		24.54			
100	QPSK	1	1		24.97		26.5	0.0
100	QPSK	1	137		24.91			
100	QPSK	1	271		24.88			
100	QPSK	135	0		24.07		25.5	1.0
100	QPSK	135	69		24.90		26.5	0.0
100	QPSK	135	138		23.96		25.5	1.0
100	QPSK	270	0		24.01			
100	16QAM	1	1		24.08		25.5	1.0
100	64QAM	1	1		22.61		24.0	2.5
100	256QAM	1	1		20.37		22.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	24.76	24.92	24.73	26.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	24.78	24.83	24.75	26.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	24.84	24.88	24.80	26.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	24.76	24.93	24.81	26.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	24.76	24.90	24.77	26.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	24.84	24.93	24.76	26.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	24.86	24.86	24.76	26.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	24.77	24.93	24.76	26.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	24.86	24.91	24.79	26.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	24.76	24.84	24.80	26.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	24.85	24.89	24.75	26.5	0.0

Part27Q n78 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.02		25.0	0.0
100	PI/2 BPSK	1	137		23.95			
100	PI/2 BPSK	1	271		23.90			
100	PI/2 BPSK	135	0		23.83		25.0	0.0
100	PI/2 BPSK	135	69		23.98		25.0	0.0
100	PI/2 BPSK	135	138		23.84		25.0	0.0
100	PI/2 BPSK	270	0		23.90			
100	QPSK	1	1		24.04		25.0	0.0
100	QPSK	1	137		23.97			
100	QPSK	1	271		23.93			
100	QPSK	135	0		23.88		25.0	0.0
100	QPSK	135	69		24.01		25.0	0.0
100	QPSK	135	138		23.88		25.0	0.0
100	QPSK	270	0		23.91			
100	16QAM	1	1		23.87		25.0	0.0
100	64QAM	1	1		23.83		25.0	0.0
100	256QAM	1	1		22.95		23.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.86	23.91	23.79	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.84	23.98	23.79	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.88	24.00	23.86	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.86	23.94	23.90	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.89	23.96	23.85	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.93	23.95	23.81	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.95	23.98	23.84	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.91	23.99	23.84	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.86	24.01	23.79	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.86	23.92	23.79	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.89	23.91	23.79	25.0	0.0

Part27Q n78 PC2 Ant7 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.26		26.5	0.0
100	PI/2 BPSK	1	137		25.23			
100	PI/2 BPSK	1	271		25.21			
100	PI/2 BPSK	135	0		24.84		26.0	0.5
100	PI/2 BPSK	135	69		25.19		26.5	0.0
100	PI/2 BPSK	135	138		24.75		26.0	0.5
100	PI/2 BPSK	270	0		24.87			
100	QPSK	1	1		25.32		26.5	0.0
100	QPSK	1	137		25.24			
100	QPSK	1	271		25.28			
100	QPSK	135	0		24.38		25.5	1.0
100	QPSK	135	69		25.26		26.5	0.0
100	QPSK	135	138		24.29		25.5	1.0
100	QPSK	270	0		24.34			
100	16QAM	1	1		24.42		25.5	1.0
100	64QAM	1	1		22.85		24.0	2.5
100	256QAM	1	1		20.63		22.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.25	25.21	25.17	26.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.16	25.24	25.18	26.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.23	25.18	25.13	26.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.22	25.18	25.10	26.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.22	25.22	25.11	26.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.17	25.23	25.19	26.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.18	25.20	25.09	26.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.17	25.28	25.19	26.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.25	25.19	25.10	26.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.24	25.26	25.14	26.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.16	25.20	25.17	26.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.15	21.29	21.23	22.5	0.0
40	PI/2 BPSK	1	53	21.12	21.25	21.09		
40	PI/2 BPSK	1	104	21.04	21.20	21.02		
40	PI/2 BPSK	50	0	20.58	20.70	20.47	22.0	0.5
40	PI/2 BPSK	50	28	21.09	21.07	21.10	22.5	0.0
40	PI/2 BPSK	50	56	20.57	20.56	20.49	22.0	0.5
40	PI/2 BPSK	100	0	20.56	20.64	20.64		
40	QPSK	1	1	21.23	21.32	21.25	22.5	0.0
40	QPSK	1	53	21.18	21.26	21.07		
40	QPSK	1	104	21.10	21.18	21.14		
40	QPSK	50	0	20.00	20.09	19.99	21.5	1.0
40	QPSK	50	28	20.95	21.10	21.05	22.5	0.0
40	QPSK	50	56	20.00	20.07	20.02	21.5	1.0
40	QPSK	100	0	20.12	20.13	20.08		
40	16QAM	1	1	19.81	19.83	19.71	21.5	1.0
40	64QAM	1	1	18.27	18.27	18.23	20.0	2.5
40	256QAM	1	1	16.64	16.67	16.59	18.0	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.19	21.29	21.18	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.12	21.24	21.10	22.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.19	21.26	21.14	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.19	21.18	21.10	22.5	0.0

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BW [MHz]	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	21.02	21.23	20.92	22.5	0.0
100	PI/2 BPSK	1	137	20.96	21.16	20.87		
100	PI/2 BPSK	1	271	20.97	21.14	20.90		
100	PI/2 BPSK	135	0	20.90	21.11	20.85	22.5	0.0
100	PI/2 BPSK	135	69	20.92	21.17	20.87	22.5	0.0
100	PI/2 BPSK	135	138	20.87	21.16	20.84	22.5	0.0
100	PI/2 BPSK	270	0	20.96	21.10	20.92		
100	QPSK	1	1	21.05	21.27	21.00	22.5	0.0
100	QPSK	1	137	20.97	21.15	20.95		
100	QPSK	1	271	21.02	21.21	20.95		
100	QPSK	135	0	20.95	21.14	20.85	22.5	0.0
100	QPSK	135	69	21.05	21.23	21.02	22.5	0.0
100	QPSK	135	138	20.87	21.19	20.84	22.5	0.0
100	QPSK	270	0	20.92	21.20	20.90		
100	16QAM	1	1	20.92	21.05	20.83	22.5	0.0
100	64QAM	1	1	20.79	21.01	20.82	22.5	0.0
100	256QAM	1	1	19.95	20.19	19.95	21.0	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.97	21.14	20.89	22.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.95	21.18	20.86	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.02	21.15	20.92	22.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.99	21.20	20.96	22.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.99	21.22	20.93	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.93	21.16	20.96	22.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.00	21.22	20.86	22.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.91	21.15	20.95	22.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.94	21.17	20.93	22.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.99	21.13	20.90	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.95	21.20	20.89	22.5	0.0

Part27O n77 PC2 Ant8 Default

BW [MHz]	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	24.02	24.19	23.94	25.5	0.0
100	PI/2 BPSK	1	137	23.92	24.15	23.86		
100	PI/2 BPSK	1	271	23.96	24.10	23.91		
100	PI/2 BPSK	135	0	23.53	23.67	23.41	25.0	0.5
100	PI/2 BPSK	135	69	23.95	24.14	23.81	25.5	0.0
100	PI/2 BPSK	135	138	23.49	23.58	23.37	25.0	0.5
100	PI/2 BPSK	270	0	23.48	23.68	23.34		
100	QPSK	1	1	24.08	24.23	24.01	25.5	0.0
100	QPSK	1	137	23.96	24.12	23.89		
100	QPSK	1	271	23.83	24.02	23.72		
100	QPSK	135	0	23.05	23.22	22.91	24.5	1.0
100	QPSK	135	69	24.02	24.20	23.89	25.5	0.0
100	QPSK	135	138	22.94	23.17	22.88	24.5	1.0
100	QPSK	270	0	23.04	23.20	22.94		
100	16QAM	1	1	23.12	23.28	23.09	24.5	1.0
100	64QAM	1	1	21.60	21.67	21.52	23.0	2.5
100	256QAM	1	1	19.36	19.47	19.28	21.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	24.00	24.20	23.88	25.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.93	24.14	23.94	25.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	24.04	24.19	23.88	25.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	24.05	24.17	23.87	25.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	24.04	24.08	23.95	25.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.98	24.13	23.98	25.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.98	24.11	23.97	25.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.93	24.09	23.90	25.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.97	24.16	23.95	25.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	24.04	24.15	23.90	25.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	24.04	24.10	23.88	25.5	0.0

Part27Q n77 Ant8 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.40		22.5	0.0
100	PI/2 BPSK	1	137		21.33			
100	PI/2 BPSK	1	271		21.34			
100	PI/2 BPSK	135	0		21.31		22.5	0.0
100	PI/2 BPSK	135	69		21.37		22.5	0.0
100	PI/2 BPSK	135	138		21.32		22.5	0.0
100	PI/2 BPSK	270	0		21.37			
100	QPSK	1	1		21.43		22.5	0.0
100	QPSK	1	137		21.37			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.33		22.5	0.0
100	QPSK	135	69		21.39		22.5	0.0
100	QPSK	135	138		21.32		22.5	0.0
100	QPSK	270	0		21.37			
100	16QAM	1	1		21.26		22.5	0.0
100	64QAM	1	1		21.29		22.5	0.0
100	256QAM	1	1		20.41		21.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.22	21.38	21.15	22.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.26	21.32	21.19	22.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.31	21.30	21.20	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.25	21.35	21.20	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.25	21.29	21.22	22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.25	21.37	21.18	22.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.31	21.29	21.22	22.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.31	21.39	21.22	22.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.32	21.31	21.27	22.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.30	21.40	21.17	22.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.27	21.29	21.17	22.5	0.0

Part27Q n77 PC2 Ant8 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		24.29		25.5	0.0
100	PI/2 BPSK	1	137		24.26			
100	PI/2 BPSK	1	271		24.13			
100	PI/2 BPSK	135	0		23.74		25.0	0.5
100	PI/2 BPSK	135	69		24.20		25.5	0.0
100	PI/2 BPSK	135	138		23.76		25.0	0.5
100	PI/2 BPSK	270	0		23.75			
100	QPSK	1	1		24.33		25.5	0.0
100	QPSK	1	137		24.24			
100	QPSK	1	271		24.29			
100	QPSK	135	0		23.34		24.5	1.0
100	QPSK	135	69		24.24		25.5	0.0
100	QPSK	135	138		23.22		24.5	1.0
100	QPSK	270	0		23.32			
100	16QAM	1	1		23.34		24.5	1.0
100	64QAM	1	1		21.77		23.0	2.5
100	256QAM	1	1		19.66		21.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	24.20	24.19	24.16	25.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	24.17	24.26	24.11	25.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	24.17	24.20	24.07	25.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	24.18	24.24	24.13	25.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	24.12	24.26	24.09	25.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	24.13	24.20	24.11	25.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	24.21	24.23	24.09	25.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	24.16	24.22	24.09	25.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	24.22	24.30	24.14	25.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	24.14	24.29	24.17	25.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	24.15	24.19	24.13	25.5	0.0

Part27O n78 Ant8 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.92		25.0	0.0
100	PI/2 BPSK	1	137		23.84			
100	PI/2 BPSK	1	271		23.80			
100	PI/2 BPSK	135	0		23.75		25.0	0.0
100	PI/2 BPSK	135	69		23.83		25.0	0.0
100	PI/2 BPSK	135	138		23.73		25.0	0.0
100	PI/2 BPSK	270	0		23.78			
100	QPSK	1	1		23.96		25.0	0.0
100	QPSK	1	137		23.90			
100	QPSK	1	271		23.84			
100	QPSK	135	0		23.78		25.0	0.0
100	QPSK	135	69		23.92		25.0	0.0
100	QPSK	135	138		23.83		25.0	0.0
100	QPSK	270	0		23.87			
100	16QAM	1	1		23.76		25.0	0.0
100	64QAM	1	1		23.70		25.0	0.0
100	256QAM	1	1		22.85		23.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.82	23.86	23.75	25.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.82	23.83	23.76	25.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.84	23.87	23.72	25.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.87	23.86	23.81	25.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.86	23.87	23.77	25.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.79	23.89	23.74	25.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.79	23.86	23.82	25.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.86	23.90	23.80	25.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.78	23.88	23.78	25.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.77	23.83	23.76	25.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.75	23.81	23.81	25.0	0.0

Part27O n78 PC2 Ant8 Default

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		25.10		26.5	0.0
100	PI/2 BPSK	1	137		25.02			
100	PI/2 BPSK	1	271		24.96			
100	PI/2 BPSK	135	0		24.61		26.0	0.5
100	PI/2 BPSK	135	69		25.01		26.5	0.0
100	PI/2 BPSK	135	138		24.50		26.0	0.5
100	PI/2 BPSK	270	0		24.56			
100	QPSK	1	1		25.14		26.5	0.0
100	QPSK	1	137		25.09			
100	QPSK	1	271		24.95			
100	QPSK	135	0		24.24		25.5	1.0
100	QPSK	135	69		25.09		26.5	0.0
100	QPSK	135	138		24.02		25.5	1.0
100	QPSK	270	0		24.10			
100	16QAM	1	1		24.21		25.5	1.0
100	64QAM	1	1		22.59		24.0	2.5
100	256QAM	1	1		20.44		22.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	24.98	25.01	24.98	26.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	25.03	24.99	24.90	26.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	24.93	25.10	25.00	26.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	24.98	25.09	24.98	26.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	24.94	25.08	24.99	26.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	25.02	25.05	24.96	26.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	24.96	25.00	24.92	26.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	24.93	25.04	24.96	26.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	24.97	25.03	24.91	26.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	24.99	25.07	25.01	26.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	24.97	25.05	24.93	26.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.98		25.0	0.0
100	PI/2 BPSK	1	137		23.89			
100	PI/2 BPSK	1	271		23.84			
100	PI/2 BPSK	135	0		23.87		25.0	0.0
100	PI/2 BPSK	135	69		23.88		25.0	0.0
100	PI/2 BPSK	135	138		23.83		25.0	0.0
100	PI/2 BPSK	270	0		23.86			
100	QPSK	1	1		24.03		25.0	0.0
100	QPSK	1	137		23.88			
100	QPSK	1	271		23.94			
100	QPSK	135	0		23.93		25.0	0.0
100	QPSK	135	69		23.97		25.0	0.0
100	QPSK	135	138		23.88		25.0	0.0
100	QPSK	270	0		23.92			
100	16QAM	1	1		23.80		25.0	0.0
100	64QAM	1	1		23.75		25.0	0.0
100	256QAM	1	1		22.95		23.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.90	23.89	23.86	25.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.84	23.97	23.81	25.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.94	23.95	23.78	25.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.90	23.95	23.78	25.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.89	23.98	23.81	25.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.92	24.00	23.84	25.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.88	23.97	23.82	25.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.92	23.89	23.83	25.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.85	23.92	23.87	25.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.84	23.98	23.84	25.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.87	23.99	23.79	25.0	0.0

Part27Q n78 PC2 Ant8 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.26		26.5	0.0
100	PI/2 BPSK	1	137		25.21			
100	PI/2 BPSK	1	271		25.11			
100	PI/2 BPSK	135	0		24.76		26.0	0.5
100	PI/2 BPSK	135	69		25.16		26.5	0.0
100	PI/2 BPSK	135	138		24.67		26.0	0.5
100	PI/2 BPSK	270	0		24.74			
100	QPSK	1	1		25.35		26.5	0.0
100	QPSK	1	137		25.25			
100	QPSK	1	271		25.16			
100	QPSK	135	0		24.33		25.5	1.0
100	QPSK	135	69		25.29		26.5	0.0
100	QPSK	135	138		24.18		25.5	1.0
100	QPSK	270	0		24.35			
100	16QAM	1	1		24.31		25.5	1.0
100	64QAM	1	1		22.83		24.0	2.5
100	256QAM	1	1		20.58		22.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.18	25.22	25.12	26.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.21	25.28	25.21	26.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.26	25.31	25.20	26.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.24	25.30	25.19	26.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.26	25.31	25.22	26.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.23	25.23	25.14	26.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.20	25.25	25.20	26.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.18	25.30	25.23	26.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.16	25.26	25.13	26.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.25	25.26	25.20	26.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.27	25.25	25.12	26.5	0.0

Reduced Power Mode for ECI1

n5 Ant0 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.26	25.33	25.23	25.7	0.0
20	PI/2 BPSK	1	53	25.22	25.31	25.22		
20	PI/2 BPSK	1	104	25.22	25.26	25.21		
20	PI/2 BPSK	50	0	24.64	24.72	24.64	25.2	0.5
20	PI/2 BPSK	50	28	25.16	25.29	25.26	25.7	0.0
20	PI/2 BPSK	50	56	24.63	24.74	24.67	25.2	0.5
20	PI/2 BPSK	100	0	24.64	24.78	24.73		
20	QPSK	1	1	25.32	25.41	25.28	25.7	0.0
20	QPSK	1	53	25.23	25.35	25.24		
20	QPSK	1	104	25.09	25.23	25.18		
20	QPSK	50	0	24.18	24.22	24.17	24.7	1.0
20	QPSK	50	28	25.21	25.27	25.23	25.7	0.0
20	QPSK	50	56	24.09	24.17	24.05	24.7	1.0
20	QPSK	100	0	24.22	24.29	24.24		
20	16QAM	1	1	23.97	24.02	23.99	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.79	20.85	20.73	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.25	25.29	25.19	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.20	25.30	25.21	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.18	25.33	25.22	25.7	0.0

n2 Ant1 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	18.50	18.62	18.55		
40	PI/2 BPSK	1	108	18.39	18.51	18.31	19.5	0.0
40	PI/2 BPSK	1	214	18.33	18.38	18.48		
40	PI/2 BPSK	108	0	18.32	18.37	18.25	19.5	0.0
40	PI/2 BPSK	108	54	18.61	18.64	18.50	19.5	0.0
40	PI/2 BPSK	108	108	18.48	18.36	18.25	19.5	0.0
40	PI/2 BPSK	216	0	18.29	18.40	18.19		
40	QPSK	1	1	18.62	18.67	18.59		
40	QPSK	1	108	18.57	18.66	18.54	19.5	0.0
40	QPSK	1	214	18.45	18.56	18.51		
40	QPSK	108	0	18.27	18.45	18.48	19.5	0.0
40	QPSK	108	54	18.51	18.61	18.55	19.5	0.0
40	QPSK	108	108	18.21	18.51	18.45	19.5	0.0
40	QPSK	216	0	18.34	18.58	18.43		
40	16QAM	1	1	18.23	18.32	18.46	19.5	0.0
40	64QAM	1	1	18.34	18.39	18.13	19.5	0.0
40	256QAM	1	1	18.53	18.57	18.56	19.5	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	18.50	18.55	18.45	19.5	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	18.54	18.51	18.56	19.5	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	18.57	18.66	18.52	19.5	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	18.62	18.53	18.57	19.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.62	18.63	18.40	19.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.49	18.52	18.38	19.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.44	18.49	18.40	19.5	0.0

n5 Ant1 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.74	24.82	24.78		
20	PI/2 BPSK	1	53	24.81	24.83	24.70	25.7	0.0
20	PI/2 BPSK	1	104	24.75	24.82	24.70		
20	PI/2 BPSK	50	0	24.17	24.22	24.21	25.2	0.5
20	PI/2 BPSK	50	28	24.70	24.80	24.74	25.7	0.0
20	PI/2 BPSK	50	56	24.18	24.25	24.19	25.2	0.5
20	PI/2 BPSK	100	0	24.15	24.28	24.28		
20	QPSK	1	1	24.87	24.91	24.85		
20	QPSK	1	53	24.72	24.88	24.78	25.7	0.0
20	QPSK	1	104	24.68	24.70	24.68		
20	QPSK	50	0	23.70	23.79	23.69	24.7	1.0
20	QPSK	50	28	24.79	24.83	24.72	25.7	0.0
20	QPSK	50	56	23.57	23.70	23.59	24.7	1.0
20	QPSK	100	0	23.71	23.82	23.80		
20	16QAM	1	1	23.52	23.55	23.48	24.7	1.0
20	64QAM	1	1	21.92	22.01	21.88	23.2	2.5
20	256QAM	1	1	20.26	20.33	20.32	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.72	24.79	24.78	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.80	24.85	24.82	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.77	24.83	24.74	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.09	18.21	17.95		
50	PI/2 BPSK	1	135	17.84	18.01	17.91	18.7	0.0
50	PI/2 BPSK	1	268	17.86	17.99	18.06		
50	PI/2 BPSK	135	0	17.93	17.88	17.72	18.7	0.0
50	PI/2 BPSK	135	68	18.11	18.20	17.99	18.7	0.0
50	PI/2 BPSK	135	135	18.00	17.91	17.64	18.7	0.0
50	PI/2 BPSK	270	0	17.72	17.95	17.60		
50	QPSK	1	1	18.03	18.25	18.18		
50	QPSK	1	135	18.02	18.19	18.15	18.7	0.0
50	QPSK	1	268	17.93	18.09	18.11		
50	QPSK	135	0	17.89	17.96	17.97	18.7	0.0
50	QPSK	135	68	17.82	18.21	17.88	18.7	0.0
50	QPSK	135	135	17.78	18.02	17.89	18.7	0.0
50	QPSK	270	0	17.94	18.15	18.02		
50	16QAM	1	1	17.82	17.77	18.07	18.7	0.0
50	64QAM	1	1	17.74	18.01	17.70	18.7	0.0
50	256QAM	1	1	18.02	18.18	18.06	18.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	17.93	18.19	18.02	18.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.01	18.09	18.10	18.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.99	18.21	18.07	18.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.98	18.19	17.98	18.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.03	18.09	18.13	18.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.87	18.18	18.02	18.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.96	18.22	18.17	18.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.95	18.24	18.04	18.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.35	18.42	18.30	18.7	0.0
40	PI/2 BPSK	1	53	18.09	18.26	18.11		
40	PI/2 BPSK	1	104	18.07	18.07	18.39		
40	PI/2 BPSK	50	0	18.09	18.10	18.06	18.7	0.0
40	PI/2 BPSK	50	28	18.34	18.49	18.19	18.7	0.0
40	PI/2 BPSK	50	56	18.38	18.13	18.13	18.7	0.0
40	PI/2 BPSK	100	0	18.20	18.22	18.01		
40	QPSK	1	1	18.30	18.54	18.45	18.7	0.0
40	QPSK	1	53	18.47	18.40	18.33		
40	QPSK	1	104	18.16	18.41	18.37		
40	QPSK	50	0	18.09	18.18	18.39	18.7	0.0
40	QPSK	50	28	18.38	18.48	18.46	18.7	0.0
40	QPSK	50	56	17.99	18.26	18.14	18.7	0.0
40	QPSK	100	0	18.13	18.35	18.29		
40	16QAM	1	1	17.99	18.05	18.15	18.7	0.0
40	64QAM	1	1	18.10	18.12	17.92	18.7	0.0
40	256QAM	1	1	18.31	18.37	18.42	18.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.19	18.47	18.32	18.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.27	18.41	18.30	18.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.19	18.49	18.38	18.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.25	18.43	18.25	18.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.27	18.48	18.38	18.7	0.0

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BW [MHz]	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	16.67	16.81	16.82	17.5	0.0
100	PI/2 BPSK	1	137	16.56	16.64	16.60		
100	PI/2 BPSK	1	271	16.44	16.61	16.65		
100	PI/2 BPSK	135	0	16.54	16.50	16.52	17.5	0.0
100	PI/2 BPSK	135	69	16.81	16.93	16.70	17.5	0.0
100	PI/2 BPSK	135	138	16.74	16.65	16.42	17.5	0.0
100	PI/2 BPSK	270	0	16.53	16.65	16.29		
100	QPSK	1	1	16.85	16.93	16.87	17.5	0.0
100	QPSK	1	137	16.84	16.79	16.68		
100	QPSK	1	271	16.62	16.79	16.74		
100	QPSK	135	0	16.49	16.70	16.63	17.5	0.0
100	QPSK	135	69	16.62	16.88	16.83	17.5	0.0
100	QPSK	135	138	16.45	16.70	16.63	17.5	0.0
100	QPSK	270	0	16.52	16.82	16.60		
100	16QAM	1	1	16.41	16.54	16.76	17.5	0.0
100	64QAM	1	1	16.58	16.57	16.37	17.5	0.0
100	256QAM	1	1	16.81	16.86	16.70	17.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.78	16.83	16.73	17.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.83	16.78	16.88	17.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.74	16.93	16.86	17.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.75	16.84	16.72	17.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.86	16.90	16.80	17.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	16.86	16.87	16.77	17.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.80	16.97	16.85	17.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	16.85	16.88	16.78	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.76	16.86	16.88	17.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	16.83	16.96	16.73	17.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.73	16.86	16.79	17.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	16.82	16.95	16.85	17.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	16.86	16.92	16.85	17.5	0.0

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BW [MHz]	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	19.98	20.05	20.00	20.5	0.0
100	PI/2 BPSK	1	137	19.85	19.89	19.81		
100	PI/2 BPSK	1	271	19.78	19.81	19.85		
100	PI/2 BPSK	135	0	19.64	19.74	19.73	20.5	0.0
100	PI/2 BPSK	135	69	19.98	20.10	19.84	20.5	0.0
100	PI/2 BPSK	135	138	19.86	19.76	19.62	20.5	0.0
100	PI/2 BPSK	270	0	19.60	19.74	19.63		
100	QPSK	1	1	20.01	20.12	20.04	20.5	0.0
100	QPSK	1	137	19.89	20.03	19.99		
100	QPSK	1	271	19.88	20.05	19.84		
100	QPSK	135	0	19.67	19.77	19.81	20.5	0.0
100	QPSK	135	69	19.91	20.07	20.02	20.5	0.0
100	QPSK	135	138	19.71	19.93	19.83	20.5	0.0
100	QPSK	270	0	19.72	20.04	19.83		
100	16QAM	1	1	19.68	19.82	19.81	20.5	0.0
100	64QAM	1	1	19.72	19.77	19.54	20.5	0.0
100	256QAM	1	1	19.94	19.92	19.87	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.02	20.02	19.90	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.94	20.07	20.02	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.06	20.00	20.05	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.88	20.03	20.06	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.02	19.99	19.97	20.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.03	19.99	20.03	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.98	20.10	20.03	20.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.02	19.99	19.97	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.88	20.02	19.94	20.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.05	20.06	19.95	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.94	20.07	19.92	20.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.95	19.98	19.98	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.90	20.09	19.94	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.91	24.99	24.92	25.7	0.0
50	PI/2 BPSK	1	135	24.92	24.96	24.84		
50	PI/2 BPSK	1	268	24.87	24.92	24.81		
50	PI/2 BPSK	135	0	24.34	24.39	24.30	25.2	0.5
50	PI/2 BPSK	135	68	24.85	24.89	24.78	25.7	0.0
50	PI/2 BPSK	135	135	24.23	24.31	24.28	25.2	0.5
50	PI/2 BPSK	270	0	24.40	24.44	24.41		
50	QPSK	1	1	24.97	25.05	25.00	25.7	0.0
50	QPSK	1	135	24.99	25.03	24.96		
50	QPSK	1	268	24.78	24.90	24.86		
50	QPSK	135	0	23.79	23.84	23.79	24.7	1.0
50	QPSK	135	68	24.90	25.00	24.95	25.7	0.0
50	QPSK	135	135	23.71	23.82	23.77	24.7	1.0
50	QPSK	270	0	23.84	23.88	23.84		
50	16QAM	1	1	23.61	23.68	23.58	24.7	1.0
50	64QAM	1	1	22.00	22.11	21.98	23.2	2.5
50	256QAM	1	1	20.38	20.46	20.41	21.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.90	24.94	24.92	25.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	24.89	24.97	24.97	25.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.89	25.02	24.86	25.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.90	24.92	24.96	25.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.85	24.94	24.92	25.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.87	24.95	24.94	25.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.89	25.00	24.91	25.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.88	24.98	24.94	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.12	25.17	25.10	25.7	0.0
40	PI/2 BPSK	1	53	25.09	25.12	25.13		
40	PI/2 BPSK	1	104	24.03	25.17	25.16		
40	PI/2 BPSK	50	0	24.63	24.66	24.61	25.2	0.5
40	PI/2 BPSK	50	28	25.06	25.05	24.94	25.7	0.0
40	PI/2 BPSK	50	56	24.58	24.68	24.64	25.2	0.5
40	PI/2 BPSK	100	0	24.60	24.71	24.69		
40	QPSK	1	1	25.20	25.23	25.15	25.7	0.0
40	QPSK	1	53	25.11	25.14	25.08		
40	QPSK	1	104	25.16	25.10	25.07		
40	QPSK	50	0	24.14	24.15	24.14	24.7	1.0
40	QPSK	50	28	25.02	25.14	25.05	25.7	0.0
40	QPSK	50	56	24.12	24.16	24.13	24.7	1.0
40	QPSK	100	0	24.20	24.23	24.15		
40	16QAM	1	1	24.13	24.19	24.11	24.7	1.0
40	64QAM	1	1	22.70	22.71	22.61	23.2	2.5
40	256QAM	1	1	20.67	20.78	20.79	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	25.16	25.20	25.07	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	25.12	25.16	25.03	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.06	25.13	25.06	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	25.12	25.10	25.02	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	25.07	25.18	25.01	25.7	0.0

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BW [MHz]	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	22.28	22.40	22.23	23.5	0.0
100	PI/2 BPSK	1	137	22.28	22.31	22.30		
100	PI/2 BPSK	1	271	22.26	22.34	22.19		
100	PI/2 BPSK	135	0	22.11	22.19	22.14	23.5	0.0
100	PI/2 BPSK	135	69	22.25	22.29	22.29	23.5	0.0
100	PI/2 BPSK	135	138	22.20	22.31	22.16	23.5	0.0
100	PI/2 BPSK	270	0	22.18	22.35	22.17		
100	QPSK	1	1	22.37	22.42	22.31	23.5	0.0
100	QPSK	1	137	22.21	22.35	22.27		
100	QPSK	1	271	22.12	22.32	22.26		
100	QPSK	135	0	22.16	22.33	22.14	23.5	0.0
100	QPSK	135	69	22.21	22.39	22.31	23.5	0.0
100	QPSK	135	138	22.18	22.31	22.29	23.5	0.0
100	QPSK	270	0	22.29	22.36	22.19		
100	16QAM	1	1	22.22	22.29	22.12	23.5	0.0
100	64QAM	1	1	22.11	22.15	22.16	23.5	0.0
100	256QAM	1	1	21.29	21.37	21.25	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.33	22.37	22.23	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.27	22.34	22.25	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.32	22.39	22.27	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.27	22.30	22.21	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.34	22.38	22.18	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.23	22.29	22.17	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.23	22.29	22.21	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.26	22.38	22.19	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.24	22.32	22.22	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.25	22.29	22.17	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.26	22.37	22.18	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.25	22.28	22.21	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.29	22.36	22.23	23.5	0.0

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BW [MHz]	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	25.30	25.39	25.35	26.5	0.0
100	PI/2 BPSK	1	137	25.26	25.37	25.28		
100	PI/2 BPSK	1	271	25.16	25.30	25.17		
100	PI/2 BPSK	135	0	24.65	24.70	24.57	26.0	0.5
100	PI/2 BPSK	135	69	25.32	25.39	25.33	26.5	0.0
100	PI/2 BPSK	135	138	24.50	24.62	24.57	26.0	0.5
100	PI/2 BPSK	270	0	24.52	24.57	24.46		
100	QPSK	1	1	25.35	25.45	25.41	26.5	0.0
100	QPSK	1	137	25.33	25.36	25.29		
100	QPSK	1	271	25.16	25.29	25.17		
100	QPSK	135	0	24.25	24.34	24.28	25.5	1.0
100	QPSK	135	69	25.28	25.36	25.22	26.5	0.0
100	QPSK	135	138	24.21	24.28	24.16	25.5	1.0
100	QPSK	270	0	24.20	24.30	24.16		
100	16QAM	1	1	24.05	24.16	24.11	25.5	1.0
100	64QAM	1	1	22.69	22.77	22.71	24.0	2.5
100	256QAM	1	1	20.36	20.46	20.39	22.0	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.24	25.32	25.38	26.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.21	25.38	25.28	26.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.26	25.35	25.34	26.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.21	25.36	25.34	26.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.25	25.33	25.34	26.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	25.21	25.41	25.33	26.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.23	25.39	25.37	26.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	25.23	25.32	25.33	26.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.31	25.34	25.32	26.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	25.22	25.36	25.31	26.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.25	25.33	25.37	26.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.30	25.31	25.34	26.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.29	25.40	25.31	26.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.40	19.56	19.39	19.7	0.0
40	PI/2 BPSK	1	53	19.25	19.45	19.23		
40	PI/2 BPSK	1	104	19.22	19.37	19.45		
40	PI/2 BPSK	50	0	19.18	19.37	19.16	19.7	0.0
40	PI/2 BPSK	50	28	19.55	19.50	19.36	19.7	0.0
40	PI/2 BPSK	50	56	19.44	19.32	19.09	19.7	0.0
40	PI/2 BPSK	100	0	19.10	19.35	19.16		
40	QPSK	1	1	19.49	19.58	19.51	19.7	0.0
40	QPSK	1	53	19.45	19.51	19.37		
40	QPSK	1	104	19.33	19.48	19.42		
40	QPSK	50	0	19.17	19.33	19.47	19.7	0.0
40	QPSK	50	28	19.48	19.50	19.49	19.7	0.0
40	QPSK	50	56	19.05	19.37	19.41	19.7	0.0
40	QPSK	100	0	19.15	19.42	19.36		
40	16QAM	1	1	19.21	19.15	19.26	19.7	0.0
40	64QAM	1	1	19.32	19.30	19.00	19.7	0.0
40	256QAM	1	1	19.43	19.45	19.41	19.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.35	19.46	19.52	19.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.43	19.52	19.51	19.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.35	19.51	19.37	19.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.45	19.45	19.36	19.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.42	19.50	19.41	19.7	0.0

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BW [MHz]	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	18.61	18.72	18.59	19.5	0.0
100	PI/2 BPSK	1	137	18.40	18.49	18.40		
100	PI/2 BPSK	1	271	18.31	18.42	18.55		
100	PI/2 BPSK	135	0	18.45	18.37	18.21	19.5	0.0
100	PI/2 BPSK	135	69	18.66	18.70	18.57	19.5	0.0
100	PI/2 BPSK	135	138	18.53	18.47	18.34	19.5	0.0
100	PI/2 BPSK	270	0	18.28	18.50	18.25		
100	QPSK	1	1	18.67	18.75	18.64	19.5	0.0
100	QPSK	1	137	18.60	18.72	18.66		
100	QPSK	1	271	18.46	18.65	18.56		
100	QPSK	135	0	18.35	18.48	18.57	19.5	0.0
100	QPSK	135	69	18.49	18.71	18.67	19.5	0.0
100	QPSK	135	138	18.45	18.52	18.50	19.5	0.0
100	QPSK	270	0	18.47	18.64	18.56		
100	16QAM	1	1	18.25	18.47	18.54	19.5	0.0
100	64QAM	1	1	18.45	18.47	18.21	19.5	0.0
100	256QAM	1	1	18.68	18.69	18.67	19.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.58	18.67	18.62	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.68	18.63	18.59	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.65	18.62	18.69	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.64	18.63	18.65	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.66	18.69	18.57	19.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.63	18.74	18.53	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.68	18.65	18.51	19.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.65	18.63	18.66	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.72	18.72	18.51	19.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.60	18.67	18.66	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.57	18.69	18.49	19.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.55	18.66	18.65	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.54	18.62	18.69	19.5	0.0

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BW [MHz]	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	21.77	21.86	21.80	22.5	0.0
100	PI/2 BPSK	1	137	21.50	21.67	21.59		
100	PI/2 BPSK	1	271	21.52	21.58	21.74		
100	PI/2 BPSK	135	0	21.51	21.47	21.44	22.5	0.0
100	PI/2 BPSK	135	69	21.76	21.83	21.69	22.5	0.0
100	PI/2 BPSK	135	138	21.58	21.61	21.39	22.5	0.0
100	PI/2 BPSK	270	0	21.44	21.59	21.39		
100	QPSK	1	1	21.82	21.91	21.87	22.5	0.0
100	QPSK	1	137	21.74	21.88	21.78		
100	QPSK	1	271	21.65	21.83	21.73		
100	QPSK	135	0	21.53	21.55	21.62	22.5	0.0
100	QPSK	135	69	21.65	21.86	21.72	22.5	0.0
100	QPSK	135	138	21.50	21.68	21.56	22.5	0.0
100	QPSK	270	0	21.44	21.76	21.64		
100	16QAM	1	1	21.40	21.45	21.58	22.5	0.0
100	64QAM	1	1	21.55	21.65	21.32	22.5	0.0
100	256QAM	1	1	21.69	21.67	21.78	22.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.65	21.72	21.75	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.68	21.86	21.72	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.72	21.76	21.72	22.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.66	21.86	21.69	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.81	21.87	21.87	22.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.81	21.88	21.70	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.63	21.73	21.70	22.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.65	21.78	21.72	22.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.63	21.81	21.87	22.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.79	21.79	21.85	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.75	21.87	21.76	22.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.76	21.79	21.72	22.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.81	21.73	21.68	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	19.48	19.51	19.46	20.7	0.0
40	PI/2 BPSK	1	108	19.36	19.45	19.36		
40	PI/2 BPSK	1	214	19.24	19.42	19.24		
40	PI/2 BPSK	108	0	19.29	19.45	19.39	20.7	0.0
40	PI/2 BPSK	108	54	19.36	19.47	19.42	20.7	0.0
40	PI/2 BPSK	108	108	19.31	19.36	19.31	20.7	0.0
40	PI/2 BPSK	216	0	19.28	19.41	19.21		
40	QPSK	1	1	19.53	19.56	19.53	20.7	0.0
40	QPSK	1	108	19.31	19.50	19.39		
40	QPSK	1	214	19.32	19.45	19.45		
40	QPSK	108	0	19.22	19.40	19.39	20.7	0.0
40	QPSK	108	54	19.40	19.51	19.43	20.7	0.0
40	QPSK	108	108	19.16	19.33	19.28	20.7	0.0
40	QPSK	216	0	19.41	19.43	19.35		
40	16QAM	1	1	19.16	19.36	19.38	20.7	0.0
40	64QAM	1	1	19.15	19.30	19.30	20.7	0.0
40	256QAM	1	1	19.23	19.32	19.24	20.7	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	19.39	19.53	19.47	20.7	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.55	19.45	19.53	20.7	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.41	19.47	19.49	20.7	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.33	19.37	19.49	20.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.44	19.52	19.39	20.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.40	19.34	19.50	20.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.32	19.34	19.47	20.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	21.77	21.86	21.80	22.7	0.0
50	PI/2 BPSK	1	135	21.66	21.81	21.75		
50	PI/2 BPSK	1	268	21.45	21.71	21.62		
50	PI/2 BPSK	135	0	21.67	21.67	21.58	22.7	0.0
50	PI/2 BPSK	135	68	21.74	21.83	21.81	22.7	0.0
50	PI/2 BPSK	135	135	21.69	21.58	21.50	22.7	0.0
50	PI/2 BPSK	270	0	21.58	21.59	21.50		
50	QPSK	1	1	21.89	21.98	21.91	22.7	0.0
50	QPSK	1	135	21.52	21.77	21.68		
50	QPSK	1	268	21.64	21.76	21.85		
50	QPSK	135	0	21.64	21.63	21.73	22.7	0.0
50	QPSK	135	68	21.93	21.97	21.91	22.7	0.0
50	QPSK	135	135	21.59	21.64	21.48	22.7	0.0
50	QPSK	270	0	21.75	21.88	21.73		
50	16QAM	1	1	21.48	21.68	21.63	22.7	0.0
50	64QAM	1	1	21.44	21.69	21.62	22.7	0.0
50	256QAM	1	1	20.33	20.37	20.30	21.2	1.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	21.81	21.80	21.82	22.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	21.69	21.72	21.74	22.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.78	21.71	21.90	22.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.81	21.76	21.78	22.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	21.78	21.76	21.75	22.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.69	21.85	21.72	22.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.76	21.83	21.85	22.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.70	21.88	21.78	22.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.00	20.07	20.02	20.7	0.0
40	PI/2 BPSK	1	53	19.70	20.00	19.80		
40	PI/2 BPSK	1	104	19.73	19.83	19.69		
40	PI/2 BPSK	50	0	19.79	19.90	19.95	20.7	0.0
40	PI/2 BPSK	50	28	19.80	19.99	19.91	20.7	0.0
40	PI/2 BPSK	50	56	19.77	19.82	19.68	20.7	0.0
40	PI/2 BPSK	100	0	19.76	19.87	19.70		
40	QPSK	1	1	20.04	20.11	20.07	20.7	0.0
40	QPSK	1	53	19.85	20.00	19.95		
40	QPSK	1	104	19.88	20.01	19.90		
40	QPSK	50	0	19.78	19.84	19.87	20.7	0.0
40	QPSK	50	28	19.81	19.93	19.78	20.7	0.0
40	QPSK	50	56	19.71	19.84	19.81	20.7	0.0
40	QPSK	100	0	19.84	19.90	19.85		
40	16QAM	1	1	19.73	19.74	19.92	20.7	0.0
40	64QAM	1	1	19.55	19.75	19.65	20.7	0.0
40	256QAM	1	1	19.68	19.78	19.66	20.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.85	20.02	19.89	20.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.99	19.97	19.90	20.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.91	20.06	19.97	20.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.04	19.97	19.96	20.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.95	19.95	20.05	20.7	0.0

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BW [MHz]	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	18.88	18.91	18.90	20.5	0.0
100	PI/2 BPSK	1	137	18.86	18.85	18.91		
100	PI/2 BPSK	1	271	18.73	19.01	18.81		
100	PI/2 BPSK	135	0	18.88	18.93	18.77	20.5	0.0
100	PI/2 BPSK	135	69	18.88	18.86	18.84	20.5	0.0
100	PI/2 BPSK	135	138	18.92	18.95	18.83	20.5	0.0
100	PI/2 BPSK	270	0	18.85	18.96	18.77		
100	QPSK	1	1	19.05	19.09	18.92	20.5	0.0
100	QPSK	1	137	18.81	18.90	18.78		
100	QPSK	1	271	18.88	18.97	18.84		
100	QPSK	135	0	18.70	18.79	18.90	20.5	0.0
100	QPSK	135	69	19.01	19.05	18.98	20.5	0.0
100	QPSK	135	138	18.64	18.82	18.68	20.5	0.0
100	QPSK	270	0	18.83	18.95	18.75		
100	16QAM	1	1	18.66	18.75	18.88	20.5	0.0
100	64QAM	1	1	18.56	18.76	18.77	20.5	0.0
100	256QAM	1	1	18.84	18.89	18.76	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.92	19.03	18.87	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.91	18.93	18.96	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.90	19.08	18.83	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.02	19.08	18.88	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.08	18.96	18.74	20.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.05	19.08	18.81	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.88	18.96	18.81	20.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.95	19.01	18.88	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.95	18.97	18.83	20.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.87	18.94	18.92	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.86	19.01	18.86	20.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.02	18.94	18.96	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.91	19.03	18.80	20.5	0.0

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BW [MHz]	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	22.07	22.12	22.02	23.5	0.0
100	PI/2 BPSK	1	137	21.85	21.97	21.90		
100	PI/2 BPSK	1	271	21.86	21.89	21.76		
100	PI/2 BPSK	135	0	21.76	22.07	21.97	23.5	0.0
100	PI/2 BPSK	135	69	21.82	21.96	22.03	23.5	0.0
100	PI/2 BPSK	135	138	21.79	21.75	21.73	23.5	0.0
100	PI/2 BPSK	270	0	21.84	21.99	21.72		
100	QPSK	1	1	22.09	22.14	22.04	23.5	0.0
100	QPSK	1	137	21.74	21.99	21.78		
100	QPSK	1	271	21.92	21.94	21.89		
100	QPSK	135	0	21.69	21.80	21.82	23.5	0.0
100	QPSK	135	69	21.92	22.07	22.03	23.5	0.0
100	QPSK	135	138	21.88	21.98	21.91	23.5	0.0
100	QPSK	270	0	22.01	22.03	21.98		
100	16QAM	1	1	21.73	21.83	21.87	23.5	0.0
100	64QAM	1	1	21.65	21.76	21.77	23.5	0.0
100	256QAM	1	1	20.12	20.21	20.16	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.95	22.07	21.88	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.07	22.02	21.86	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.97	21.97	21.82	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.97	21.96	22.03	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.97	22.11	21.93	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.94	22.04	21.87	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.06	22.00	21.92	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.94	21.96	22.01	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.01	22.10	22.05	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.98	22.06	21.86	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.00	21.93	21.83	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.07	22.01	21.95	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.01	22.02	22.01	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	17.66	17.75	17.70	18.5	0.0
40	PI/2 BPSK	1	53	17.59	17.61	17.61		
40	PI/2 BPSK	1	104	17.48	17.57	17.45		
40	PI/2 BPSK	50	0	17.53	17.58	17.58	18.5	0.0
40	PI/2 BPSK	50	28	17.60	17.69	17.66	18.5	0.0
40	PI/2 BPSK	50	56	17.49	17.53	17.55	18.5	0.0
40	PI/2 BPSK	100	0	17.48	17.62	17.45		
40	QPSK	1	1	17.68	17.82	17.72	18.5	0.0
40	QPSK	1	53	17.47	17.77	17.64		
40	QPSK	1	104	17.51	17.66	17.64		
40	QPSK	50	0	17.42	17.59	17.61	18.5	0.0
40	QPSK	50	28	17.61	17.77	17.65	18.5	0.0
40	QPSK	50	56	17.41	17.53	17.47	18.5	0.0
40	QPSK	100	0	17.57	17.65	17.51		
40	16QAM	1	1	17.39	17.62	17.53	18.5	0.0
40	64QAM	1	1	17.33	17.48	17.49	18.5	0.0
40	256QAM	1	1	17.48	17.47	17.47	18.5	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.55	17.67	17.61	18.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.57	17.76	17.69	18.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.61	17.77	17.57	18.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.59	17.74	17.57	18.5	0.0

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BW [MHz]	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	15.68	15.72	15.60	16.5	0.0
100	PI/2 BPSK	1	137	15.63	15.63	15.50		
100	PI/2 BPSK	1	271	15.40	15.58	15.41		
100	PI/2 BPSK	135	0	15.46	15.65	15.63	16.5	0.0
100	PI/2 BPSK	135	69	15.52	15.74	15.55	16.5	0.0
100	PI/2 BPSK	135	138	15.56	15.54	15.52	16.5	0.0
100	PI/2 BPSK	270	0	15.51	15.64	15.35		
100	QPSK	1	1	15.72	15.80	15.70	16.5	0.0
100	QPSK	1	137	15.46	15.73	15.63		
100	QPSK	1	271	15.51	15.69	15.66		
100	QPSK	135	0	15.43	15.57	15.59	16.5	0.0
100	QPSK	135	69	15.54	15.71	15.67	16.5	0.0
100	QPSK	135	138	15.33	15.58	15.46	16.5	0.0
100	QPSK	270	0	15.58	15.66	15.59		
100	16QAM	1	1	15.43	15.51	15.58	16.5	0.0
100	64QAM	1	1	15.33	15.44	15.52	16.5	0.0
100	256QAM	1	1	15.42	15.47	15.41	16.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.57	15.76	15.60	16.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.55	15.76	15.63	16.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.66	15.71	15.62	16.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.64	15.69	15.62	16.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.62	15.67	15.61	16.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.63	15.68	15.59	16.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.62	15.76	15.54	16.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.62	15.66	15.56	16.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.57	15.66	15.63	16.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.62	15.65	15.66	16.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.60	15.72	15.63	16.5	0.0

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BW [MHz]	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	18.64	18.65	18.70	19.5	0.0
100	PI/2 BPSK	1	137	18.52	18.63	18.61		
100	PI/2 BPSK	1	271	18.40	18.65	18.49		
100	PI/2 BPSK	135	0	18.50	18.59	18.56	19.5	0.0
100	PI/2 BPSK	135	69	18.60	18.66	18.55	19.5	0.0
100	PI/2 BPSK	135	138	18.45	18.63	18.51	19.5	0.0
100	PI/2 BPSK	270	0	18.45	18.56	18.35		
100	QPSK	1	1	18.73	18.76	18.71	19.5	0.0
100	QPSK	1	137	18.56	18.65	18.57		
100	QPSK	1	271	18.48	18.68	18.72		
100	QPSK	135	0	18.44	18.56	18.60	19.5	0.0
100	QPSK	135	69	18.55	18.69	18.63	19.5	0.0
100	QPSK	135	138	18.51	18.58	18.53	19.5	0.0
100	QPSK	270	0	18.57	18.65	18.60		
100	16QAM	1	1	18.34	18.63	18.61	19.5	0.0
100	64QAM	1	1	18.30	18.47	18.56	19.5	0.0
100	256QAM	1	1	18.48	18.48	18.42	19.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.56	18.70	18.59	19.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.63	18.65	18.60	19.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.65	18.67	18.60	19.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.59	18.65	18.55	19.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.63	18.73	18.62	19.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.62	18.62	18.64	19.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.59	18.64	18.61	19.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.68	18.69	18.67	19.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.62	18.63	18.60	19.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.65	18.71	18.66	19.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.58	18.66	18.58	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.88		16.5	0.0
100	PI/2 BPSK	1	137		15.80			
100	PI/2 BPSK	1	271		15.74			
100	PI/2 BPSK	135	0		15.75		16.5	0.0
100	PI/2 BPSK	135	69		15.77		16.5	0.0
100	PI/2 BPSK	135	138		15.71		16.5	0.0
100	PI/2 BPSK	270	0		15.67			
100	QPSK	1	1		15.91		16.5	0.0
100	QPSK	1	137		15.82			
100	QPSK	1	271		15.71			
100	QPSK	135	0		15.72		16.5	0.0
100	QPSK	135	69		15.83		16.5	0.0
100	QPSK	135	138		15.65		16.5	0.0
100	QPSK	270	0		15.75			
100	16QAM	1	1		15.69		16.5	0.0
100	64QAM	1	1		15.66		16.5	0.0
100	256QAM	1	1		15.65		16.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.76	15.81	15.78	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.76	15.80	15.75	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.75	15.87	15.66	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.74	15.83	15.76	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.76	15.81	15.71	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.83	15.82	15.79	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.84	15.81	15.78	16.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.81	15.84	15.69	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.81	15.83	15.73	16.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.77	15.79	15.77	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.77	15.87	15.77	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.51		19.5	0.0
100	PI/2 BPSK	1	137		18.45			
100	PI/2 BPSK	1	271		18.44			
100	PI/2 BPSK	135	0		18.40		19.5	0.0
100	PI/2 BPSK	135	69		18.55		19.5	0.0
100	PI/2 BPSK	135	138		18.32		19.5	0.0
100	PI/2 BPSK	270	0		18.45			
100	QPSK	1	1		18.56		19.5	0.0
100	QPSK	1	137		18.52			
100	QPSK	1	271		18.46			
100	QPSK	135	0		18.42		19.5	0.0
100	QPSK	135	69		18.51		19.5	0.0
100	QPSK	135	138		18.38		19.5	0.0
100	QPSK	270	0		18.45			
100	16QAM	1	1		18.44		19.5	0.0
100	64QAM	1	1		18.37		19.5	0.0
100	256QAM	1	1		18.28		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.44	18.52	18.28	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.44	18.50	18.32	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.45	18.52	18.34	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.43	18.49	18.36	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.43	18.50	18.28	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.46	18.47	18.30	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.45	18.49	18.33	19.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.39	18.41	18.40	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.38	18.40	18.38	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.40	18.53	18.32	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.40	18.46	18.33	19.5	0.0

Part27O n78 Ant5 ECI1

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.12		16.0	0.0
100	PI/2 BPSK	1	137		15.05			
100	PI/2 BPSK	1	271		15.06			
100	PI/2 BPSK	135	0		15.02		16.0	0.0
100	PI/2 BPSK	135	69		15.08		16.0	0.0
100	PI/2 BPSK	135	138		15.02		16.0	0.0
100	PI/2 BPSK	270	0		15.05			
100	QPSK	1	1		15.15		16.0	0.0
100	QPSK	1	137		15.09			
100	QPSK	1	271		15.05			
100	QPSK	135	0		15.06		16.0	0.0
100	QPSK	135	69		15.05		16.0	0.0
100	QPSK	135	138		14.98		16.0	0.0
100	QPSK	270	0		15.04			
100	16QAM	1	1		14.90		16.0	0.0
100	64QAM	1	1		14.87		16.0	0.0
100	256QAM	1	1		14.97		16.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.09	15.11	14.99	16.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.07	15.06	15.03	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.98	15.00	14.98	16.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.09	15.08	15.10	16.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.09	15.03	15.10	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.00	15.09	14.99	16.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.06	14.99	15.00	16.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	15.04	14.98	14.99	16.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.06	15.07	15.06	16.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	14.98	15.02	15.09	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	15.03	15.05	15.05	16.0	0.0

Part27O n78 PC2 Ant5 ECI1

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.91		19.0	0.0
100	PI/2 BPSK	1	137		17.76			
100	PI/2 BPSK	1	271		17.82			
100	PI/2 BPSK	135	0		17.84		19.0	0.0
100	PI/2 BPSK	135	69		17.78		19.0	0.0
100	PI/2 BPSK	135	138		17.76		19.0	0.0
100	PI/2 BPSK	270	0		17.79			
100	QPSK	1	1		17.97		19.0	0.0
100	QPSK	1	137		17.87			
100	QPSK	1	271		17.79			
100	QPSK	135	0		17.77		19.0	0.0
100	QPSK	135	69		17.90		19.0	0.0
100	QPSK	135	138		17.65		19.0	0.0
100	QPSK	270	0		17.88			
100	16QAM	1	1		17.74		19.0	0.0
100	64QAM	1	1		17.71		19.0	0.0
100	256QAM	1	1		17.71		19.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.88	17.90	17.89	19.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.84	17.92	17.93	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.92	17.89	17.85	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.84	17.84	17.84	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.90	17.88	17.85	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.92	17.93	17.94	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.89	17.83	17.93	19.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.88	17.90	17.81	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.81	17.86	17.85	19.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.93	17.81	17.87	19.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.81	17.88	17.84	19.0	0.0

Part27Q n78 Ant5 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.44		16.0	0.0
100	PI/2 BPSK	1	137		15.28			
100	PI/2 BPSK	1	271		15.33			
100	PI/2 BPSK	135	0		15.31		16.0	0.0
100	PI/2 BPSK	135	69		15.42		16.0	0.0
100	PI/2 BPSK	135	138		15.22		16.0	0.0
100	PI/2 BPSK	270	0		15.27			
100	QPSK	1	1		15.46		16.0	0.0
100	QPSK	1	137		15.38			
100	QPSK	1	271		15.42			
100	QPSK	135	0		15.34		16.0	0.0
100	QPSK	135	69		15.43		16.0	0.0
100	QPSK	135	138		15.26		16.0	0.0
100	QPSK	270	0		15.33			
100	16QAM	1	1		15.24		16.0	0.0
100	64QAM	1	1		15.13		16.0	0.0
100	256QAM	1	1		15.24		16.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.30	15.38	15.35	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.35	15.31	15.34	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.36	15.42	15.32	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.35	15.40	15.34	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.36	15.35	15.37	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.38	15.30	15.41	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.35	15.37	15.30	16.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.43	15.29	15.35	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.37	15.40	15.34	16.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.35	15.30	15.42	16.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.41	15.36	15.42	16.0	0.0

Part27Q n78 PC2 Ant5 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.37		19.0	0.0
100	PI/2 BPSK	1	137		18.35			
100	PI/2 BPSK	1	271		18.26			
100	PI/2 BPSK	135	0		18.33		19.0	0.0
100	PI/2 BPSK	135	69		18.31		19.0	0.0
100	PI/2 BPSK	135	138		18.21		19.0	0.0
100	PI/2 BPSK	270	0		18.25			
100	QPSK	1	1		18.40		19.0	0.0
100	QPSK	1	137		18.39			
100	QPSK	1	271		18.25			
100	QPSK	135	0		18.26		19.0	0.0
100	QPSK	135	69		18.34		19.0	0.0
100	QPSK	135	138		18.13		19.0	0.0
100	QPSK	270	0		18.29			
100	16QAM	1	1		18.21		19.0	0.0
100	64QAM	1	1		18.11		19.0	0.0
100	256QAM	1	1		18.21		19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.35	18.27	18.33	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.35	18.33	18.28	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.24	18.36	18.36	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.26	18.34	18.37	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.31	18.25	18.26	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.25	18.32	18.32	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.31	18.28	18.34	19.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.36	18.26	18.24	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.27	18.33	18.37	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.30	18.34	18.30	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.28	18.30	18.37	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	17.58	17.64	17.59	18.5	0.0
40	PI/2 BPSK	1	53	17.49	17.51	17.42		
40	PI/2 BPSK	1	104	17.30	17.53	17.35		
40	PI/2 BPSK	50	0	17.38	17.50	17.53	18.5	0.0
40	PI/2 BPSK	50	28	17.51	17.63	17.52	18.5	0.0
40	PI/2 BPSK	50	56	17.43	17.44	17.45	18.5	0.0
40	PI/2 BPSK	100	0	17.44	17.50	17.32		
40	QPSK	1	1	17.63	17.67	17.57	18.5	0.0
40	QPSK	1	53	17.45	17.65	17.46		
40	QPSK	1	104	17.37	17.55	17.57		
40	QPSK	50	0	17.34	17.44	17.51	18.5	0.0
40	QPSK	50	28	17.46	17.63	17.56	18.5	0.0
40	QPSK	50	56	17.27	17.41	17.43	18.5	0.0
40	QPSK	100	0	17.46	17.48	17.41		
40	16QAM	1	1	17.29	17.49	17.50	18.5	0.0
40	64QAM	1	1	17.27	17.47	17.36	18.5	0.0
40	256QAM	1	1	16.96	17.05	16.91	18.0	0.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.58	17.50	17.44	18.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.57	17.56	17.50	18.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.50	17.51	17.43	18.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.49	17.57	17.52	18.5	0.0

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BW [MHz]	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	16.12	16.14	16.07	17.5	0.0
100	PI/2 BPSK	1	137	16.00	16.12	16.02		
100	PI/2 BPSK	1	271	15.86	15.99	15.83		
100	PI/2 BPSK	135	0	15.83	16.09	15.99	17.5	0.0
100	PI/2 BPSK	135	69	15.89	16.02	16.04	17.5	0.0
100	PI/2 BPSK	135	138	15.92	15.92	15.87	17.5	0.0
100	PI/2 BPSK	270	0	15.85	16.01	15.80		
100	QPSK	1	1	16.15	16.21	16.09	17.5	0.0
100	QPSK	1	137	15.92	16.09	15.95		
100	QPSK	1	271	15.89	16.03	16.11		
100	QPSK	135	0	15.83	15.95	16.05	17.5	0.0
100	QPSK	135	69	16.03	16.14	15.97	17.5	0.0
100	QPSK	135	138	15.83	15.95	15.86	17.5	0.0
100	QPSK	270	0	16.05	16.10	15.93		
100	16QAM	1	1	15.73	15.97	15.97	17.5	0.0
100	64QAM	1	1	15.74	15.96	15.92	17.5	0.0
100	256QAM	1	1	15.80	15.87	15.81	17.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.99	16.05	15.92	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.06	16.10	16.01	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.06	16.13	15.96	17.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.11	16.16	16.00	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.05	16.05	15.93	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.98	16.09	15.94	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.08	16.06	16.04	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.12	16.06	15.95	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.98	16.15	16.02	17.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.05	16.09	15.92	17.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.11	16.17	15.99	17.5	0.0

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BW [MHz]	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	19.12	19.15	19.13	20.5	0.0
100	PI/2 BPSK	1	137	18.99	19.07	18.98		
100	PI/2 BPSK	1	271	18.89	18.97	18.78		
100	PI/2 BPSK	135	0	18.85	19.04	19.02	20.5	0.0
100	PI/2 BPSK	135	69	18.90	19.13	19.02	20.5	0.0
100	PI/2 BPSK	135	138	18.85	19.00	18.88	20.5	0.0
100	PI/2 BPSK	270	0	18.91	19.00	18.81		
100	QPSK	1	1	19.09	19.22	19.14	20.5	0.0
100	QPSK	1	137	18.85	19.12	19.05		
100	QPSK	1	271	18.96	19.11	18.98		
100	QPSK	135	0	18.84	18.95	19.03	20.5	0.0
100	QPSK	135	69	19.00	19.17	19.06	20.5	0.0
100	QPSK	135	138	18.76	19.05	18.90	20.5	0.0
100	QPSK	270	0	19.06	19.11	18.89		
100	16QAM	1	1	18.71	18.98	18.96	20.5	0.0
100	64QAM	1	1	18.80	18.85	18.83	20.5	0.0
100	256QAM	1	1	18.89	18.85	18.82	20.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.98	19.05	18.97	20.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.00	19.18	18.98	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.01	19.12	19.10	20.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.95	19.18	19.08	20.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.99	19.07	19.01	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.02	19.19	19.01	20.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.92	19.16	19.00	20.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.99	19.09	19.11	20.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.03	19.16	19.02	20.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.92	19.16	19.09	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.99	19.12	19.07	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.98		17.5	0.0
100	PI/2 BPSK	1	137		15.90			
100	PI/2 BPSK	1	271		15.98			
100	PI/2 BPSK	135	0		15.98		17.5	0.0
100	PI/2 BPSK	135	69		16.03		17.5	0.0
100	PI/2 BPSK	135	138		15.80		17.5	0.0
100	PI/2 BPSK	270	0		15.88		17.5	0.0
100	QPSK	1	1		16.05			
100	QPSK	1	137		16.00			
100	QPSK	1	271		15.99			
100	QPSK	135	0		15.93		17.5	0.0
100	QPSK	135	69		16.00		17.5	0.0
100	QPSK	135	138		15.80			
100	QPSK	270	0		15.89			
100	16QAM	1	1		15.86		17.5	0.0
100	64QAM	1	1		15.78		17.5	0.0
100	256QAM	1	1		15.81		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.95	15.88	15.88	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.01	15.99	15.99	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.90	15.93	15.98	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.00	16.00	15.95	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.96	15.94	15.96	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.88	16.00	16.00	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.99	15.97	16.00	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.99	16.02	15.98	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.92	15.89	15.91	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.91	15.95	15.91	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.00	15.93	15.90	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.15		20.5	0.0
100	PI/2 BPSK	1	137		19.03			
100	PI/2 BPSK	1	271		18.99			
100	PI/2 BPSK	135	0		19.12		20.5	0.0
100	PI/2 BPSK	135	69		19.06		20.5	0.0
100	PI/2 BPSK	135	138		18.97		20.5	0.0
100	PI/2 BPSK	270	0		19.03		20.5	0.0
100	QPSK	1	1		19.19			
100	QPSK	1	137		19.06			
100	QPSK	1	271		19.04			
100	QPSK	135	0		19.05		20.5	0.0
100	QPSK	135	69		19.12		20.5	0.0
100	QPSK	135	138		19.00		20.5	0.0
100	QPSK	270	0		19.08			
100	16QAM	1	1		19.02		20.5	0.0
100	64QAM	1	1		18.90		20.5	0.0
100	256QAM	1	1		18.93		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.15	19.06	19.09	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.06	19.08	19.13	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.05	19.14	19.05	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.15	19.04	19.07	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.16	19.15	19.12	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.09	19.15	19.03	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.12	19.09	19.05	20.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.04	19.06	19.02	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.02	19.07	19.08	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.15	19.03	19.02	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.10	19.12	19.11	20.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.62		18.0	0.0
100	PI/2 BPSK	1	137		16.60			
100	PI/2 BPSK	1	271		16.58			
100	PI/2 BPSK	135	0		16.61		18.0	0.0
100	PI/2 BPSK	135	69		16.56		18.0	0.0
100	PI/2 BPSK	135	138		16.45		18.0	0.0
100	PI/2 BPSK	270	0		16.52		18.0	0.0
100	QPSK	1	1		16.67			
100	QPSK	1	137		16.65			
100	QPSK	1	271		16.53			
100	QPSK	135	0		16.47		18.0	0.0
100	QPSK	135	69		16.59		18.0	0.0
100	QPSK	135	138		16.45		18.0	0.0
100	QPSK	270	0		16.55			
100	16QAM	1	1		16.51		18.0	0.0
100	64QAM	1	1		16.39		18.0	0.0
100	256QAM	1	1		16.37		18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.55	16.61	16.46	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.49	16.53	16.43	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.46	16.57	16.54	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.57	16.59	16.52	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.58	16.53	16.47	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.46	16.55	16.54	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.49	16.62	16.46	18.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.48	16.54	16.51	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.56	16.56	16.48	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.53	16.58	16.43	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.55	16.64	16.51	18.0	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.05		21.0	0.0
100	PI/2 BPSK	1	137		19.95			
100	PI/2 BPSK	1	271		19.91			
100	PI/2 BPSK	135	0		20.00		21.0	0.0
100	PI/2 BPSK	135	69		20.04		21.0	0.0
100	PI/2 BPSK	135	138		19.84		21.0	0.0
100	PI/2 BPSK	270	0		19.94			
100	QPSK	1	1		20.12		21.0	0.0
100	QPSK	1	137		20.02			
100	QPSK	1	271		19.95			
100	QPSK	135	0		19.92		21.0	0.0
100	QPSK	135	69		20.10		21.0	0.0
100	QPSK	135	138		19.85		21.0	0.0
100	QPSK	270	0		19.94			
100	16QAM	1	1		19.88		21.0	0.0
100	64QAM	1	1		19.83		21.0	0.0
100	256QAM	1	1		19.89		21.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.98	19.90	19.95	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.88	19.90	19.82	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.87	20.02	19.80	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.84	20.02	19.94	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.00	20.07	19.92	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.79	19.94	19.97	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.93	20.02	19.76	21.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.99	19.85	19.92	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.94	20.02	19.80	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.81	19.89	19.82	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.79	20.04	19.95	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.88		18.0	0.0
100	PI/2 BPSK	1	137		16.81			
100	PI/2 BPSK	1	271		16.87			
100	PI/2 BPSK	135	0		16.82		18.0	0.0
100	PI/2 BPSK	135	69		16.91		18.0	0.0
100	PI/2 BPSK	135	138		16.72		18.0	0.0
100	PI/2 BPSK	270	0		16.77			
100	QPSK	1	1		16.95		18.0	0.0
100	QPSK	1	137		16.90			
100	QPSK	1	271		16.82			
100	QPSK	135	0		16.84		18.0	0.0
100	QPSK	135	69		16.93		18.0	0.0
100	QPSK	135	138		16.81		18.0	0.0
100	QPSK	270	0		16.88			
100	16QAM	1	1		16.73		18.0	0.0
100	64QAM	1	1		16.73		18.0	0.0
100	256QAM	1	1		16.68		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.87	16.90	16.80	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.83	16.89	16.80	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.92	16.88	16.79	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.81	16.82	16.89	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.87	16.80	16.82	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.79	16.82	16.87	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.87	16.82	16.85	18.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.87	16.80	16.81	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.89	16.90	16.79	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.87	16.90	16.87	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.81	16.79	16.92	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.17		21.0	0.0
100	PI/2 BPSK	1	137		20.01			
100	PI/2 BPSK	1	271		20.02			
100	PI/2 BPSK	135	0		20.00		21.0	0.0
100	PI/2 BPSK	135	69		20.02		21.0	0.0
100	PI/2 BPSK	135	138		19.95		21.0	0.0
100	PI/2 BPSK	270	0		19.97			
100	QPSK	1	1		20.20		21.0	0.0
100	QPSK	1	137		20.10			
100	QPSK	1	271		20.09			
100	QPSK	135	0		20.05		21.0	0.0
100	QPSK	135	69		20.15		21.0	0.0
100	QPSK	135	138		19.93		21.0	0.0
100	QPSK	270	0		20.09			
100	16QAM	1	1		19.92		21.0	0.0
100	64QAM	1	1		19.88		21.0	0.0
100	256QAM	1	1		19.91		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.85	20.01	20.07	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.04	19.97	19.93	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.90	20.06	19.99	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.04	20.11	20.06	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.91	20.02	20.08	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.03	20.09	19.93	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.96	20.04	19.94	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.02	20.05	20.11	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.87	19.93	20.03	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.90	20.11	20.10	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.89	19.96	20.02	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.36	21.42	21.38	22.5	0.0
40	PI/2 BPSK	1	53	21.32	21.41	21.31		
40	PI/2 BPSK	1	104	21.28	21.37	21.26		
40	PI/2 BPSK	50	0	20.76	20.84	20.71	22.0	0.5
40	PI/2 BPSK	50	28	21.25	21.31	21.24	22.5	0.0
40	PI/2 BPSK	50	56	20.71	20.80	20.65	22.0	0.5
40	PI/2 BPSK	100	0	20.75	20.87	20.83		
40	QPSK	1	1	21.39	21.45	21.42	22.5	0.0
40	QPSK	1	53	21.38	21.42	21.31		
40	QPSK	1	104	21.27	21.37	21.29		
40	QPSK	50	0	20.16	20.25	20.14	21.5	1.0
40	QPSK	50	28	21.18	21.31	21.21	22.5	0.0
40	QPSK	50	56	20.15	20.26	20.23	21.5	1.0
40	QPSK	100	0	20.32	20.37	20.31		
40	16QAM	1	1	19.95	20.06	19.93	21.5	1.0
40	64QAM	1	1	18.45	18.49	18.43	20.0	2.5
40	256QAM	1	1	16.81	16.88	16.75	18.0	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.28	21.33	21.32	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.29	21.42	21.32	22.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.34	21.35	21.34	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.34	21.36	21.29	22.5	0.0

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BW [MHz]	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	20.19	19.83	19.61	21.0	0.0
100	PI/2 BPSK	1	137	20.17	19.68	19.54		
100	PI/2 BPSK	1	271	20.00	19.66	19.65		
100	PI/2 BPSK	135	0	20.06	19.69	19.66	21.0	0.0
100	PI/2 BPSK	135	69	20.12	19.81	19.62	21.0	0.0
100	PI/2 BPSK	135	138	19.99	19.66	19.51	21.0	0.0
100	PI/2 BPSK	270	0	20.09	19.74	19.56		
100	QPSK	1	1	20.21	19.84	19.78	21.0	0.0
100	QPSK	1	137	20.09	19.80	19.70		
100	QPSK	1	271	20.10	19.78	19.70		
100	QPSK	135	0	20.06	19.65	19.60	21.0	0.0
100	QPSK	135	69	20.10	19.85	19.77	21.0	0.0
100	QPSK	135	138	19.95	19.74	19.61	21.0	0.0
100	QPSK	270	0	20.05	19.68	19.75		
100	16QAM	1	1	19.91	19.62	19.56	21.0	0.0
100	64QAM	1	1	19.88	19.59	19.53	21.0	0.0
100	256QAM	1	1	20.15	19.74	19.64	20.5	0.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.17	19.73	19.74	21.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.10	19.69	19.64	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.05	19.72	19.74	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.13	19.67	19.67	21.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.08	19.71	19.73	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.14	19.79	19.68	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.12	19.74	19.65	21.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.05	19.73	19.68	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.07	19.71	19.62	21.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.17	19.80	19.69	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.18	19.77	19.68	21.0	0.0

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BW [MHz]	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	23.16	22.81	22.80	24.0	0.0
100	PI/2 BPSK	1	137	23.16	22.75	22.64		
100	PI/2 BPSK	1	271	23.14	22.73	22.63		
100	PI/2 BPSK	135	0	22.77	22.36	22.19	24.0	0.0
100	PI/2 BPSK	135	69	23.14	22.71	22.60	24.0	0.0
100	PI/2 BPSK	135	138	22.66	22.34	22.14	24.0	0.0
100	PI/2 BPSK	270	0	22.59	22.40	22.24		
100	QPSK	1	1	23.20	22.83	22.79	24.0	0.0
100	QPSK	1	137	23.16	22.76	22.73		
100	QPSK	1	271	23.04	22.78	22.73		
100	QPSK	135	0	23.05	22.71	22.70	24.0	0.0
100	QPSK	135	69	23.12	22.76	22.67	24.0	0.0
100	QPSK	135	138	23.03	22.73	22.75	24.0	0.0
100	QPSK	270	0	23.03	22.66	22.74		
100	16QAM	1	1	23.06	22.79	22.71	24.0	0.0
100	64QAM	1	1	21.66	21.41	21.27	22.5	1.5
100	256QAM	1	1	19.57	19.21	19.16	20.5	3.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.06	22.76	22.72	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.10	22.71	22.70	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.15	22.68	22.68	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.11	22.70	22.75	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.09	22.72	22.70	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.04	22.71	22.65	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.16	22.76	22.65	24.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.12	22.69	22.67	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.11	22.77	22.72	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.17	22.72	22.70	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.13	22.71	22.63	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.34		21.0	0.0
100	PI/2 BPSK	1	137		20.31			
100	PI/2 BPSK	1	271		20.24			
100	PI/2 BPSK	135	0		20.11		21.0	0.0
100	PI/2 BPSK	135	69		20.24		21.0	0.0
100	PI/2 BPSK	135	138		20.23		21.0	0.0
100	PI/2 BPSK	270	0		20.29			
100	QPSK	1	1		20.44		21.0	0.0
100	QPSK	1	137		20.38			
100	QPSK	1	271		20.34			
100	QPSK	135	0		20.24		21.0	0.0
100	QPSK	135	69		20.39		21.0	0.0
100	QPSK	135	138		20.13		21.0	0.0
100	QPSK	270	0		20.18			
100	16QAM	1	1		20.14		21.0	0.0
100	64QAM	1	1		20.05		21.0	0.0
100	256QAM	1	1		20.35		20.5	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.34	20.30	20.27	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.31	20.32	20.28	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.41	20.29	20.37	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.41	20.36	20.37	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.30	20.34	20.30	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.31	20.36	20.30	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.36	20.39	20.29	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.30	20.30	20.41	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.29	20.40	20.31	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.32	20.35	20.31	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.35	20.34	20.38	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.16		24.0	0.0
100	PI/2 BPSK	1	137		23.21			
100	PI/2 BPSK	1	271		23.14			
100	PI/2 BPSK	135	0		23.15		24.0	0.0
100	PI/2 BPSK	135	69		23.19		24.0	0.0
100	PI/2 BPSK	135	138		23.07		24.0	0.0
100	PI/2 BPSK	270	0		23.16			
100	QPSK	1	1		23.23		24.0	0.0
100	QPSK	1	137		23.16			
100	QPSK	1	271		23.17			
100	QPSK	135	0		23.08		24.0	0.0
100	QPSK	135	69		23.19		24.0	0.0
100	QPSK	135	138		23.07		24.0	0.0
100	QPSK	270	0		23.14			
100	16QAM	1	1		23.05		24.0	0.0
100	64QAM	1	1		21.78		22.5	1.5
100	256QAM	1	1		19.67		20.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.08	23.18	23.07	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.19	23.12	23.08	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.16	23.17	23.15	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.13	23.14	23.09	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.09	23.18	23.16	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.07	23.13	23.11	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.13	23.08	23.19	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.19	23.16	23.07	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.13	23.06	23.19	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.12	23.15	23.14	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.12	23.12	23.07	24.0	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.24		21.5	0.0
100	PI/2 BPSK	1	137		20.14			
100	PI/2 BPSK	1	271		20.18			
100	PI/2 BPSK	135	0		20.08		21.5	0.0
100	PI/2 BPSK	135	69		20.11		21.5	0.0
100	PI/2 BPSK	135	138		20.09		21.5	0.0
100	PI/2 BPSK	270	0		20.05			
100	QPSK	1	1		20.27		21.5	0.0
100	QPSK	1	137		20.21			
100	QPSK	1	271		20.09			
100	QPSK	135	0		20.13		21.5	0.0
100	QPSK	135	69		20.24		21.5	0.0
100	QPSK	135	138		20.05		21.5	0.0
100	QPSK	270	0		20.16			
100	16QAM	1	1		20.06		21.5	0.0
100	64QAM	1	1		20.06		21.5	0.0
100	256QAM	1	1		20.02		21.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.21	20.21	20.00	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.07	20.23	19.93	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.13	20.13	20.07	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.20	20.24	20.10	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.19	20.12	20.07	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.01	20.13	20.05	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.07	20.16	19.97	21.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.21	20.05	20.09	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.18	20.04	20.07	21.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.18	20.10	20.14	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.16	20.23	20.14	21.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.66		24.5	0.0
100	PI/2 BPSK	1	137		22.66			
100	PI/2 BPSK	1	271		22.60			
100	PI/2 BPSK	135	0		22.67		24.5	0.0
100	PI/2 BPSK	135	69		22.60		24.5	0.0
100	PI/2 BPSK	135	138		22.62		24.5	0.0
100	PI/2 BPSK	270	0		22.60			
100	QPSK	1	1		22.82		24.5	0.0
100	QPSK	1	137		22.76			
100	QPSK	1	271		22.63			
100	QPSK	135	0		22.57		24.5	0.0
100	QPSK	135	69		22.75		24.5	0.0
100	QPSK	135	138		22.54		24.5	0.0
100	QPSK	270	0		22.73			
100	16QAM	1	1		22.56		24.5	0.0
100	64QAM	1	1		22.35		24.0	0.5
100	256QAM	1	1		20.41		22.0	2.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.65	22.78	22.67	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.72	22.78	22.61	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.66	22.77	22.51	24.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.61	22.67	22.56	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.64	22.80	22.65	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.67	22.59	22.56	24.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.62	22.59	22.67	24.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	22.67	22.76	22.55	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.72	22.63	22.65	24.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	22.57	22.66	22.68	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	22.65	22.69	22.64	24.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.85		21.5	0.0
100	PI/2 BPSK	1	137		20.73			
100	PI/2 BPSK	1	271		20.72			
100	PI/2 BPSK	135	0		20.71		21.5	0.0
100	PI/2 BPSK	135	69		20.83		21.5	0.0
100	PI/2 BPSK	135	138		20.66		21.5	0.0
100	PI/2 BPSK	270	0		20.68			
100	QPSK	1	1		20.92		21.5	0.0
100	QPSK	1	137		20.85			
100	QPSK	1	271		20.75			
100	QPSK	135	0		20.77		21.5	0.0
100	QPSK	135	69		20.83		21.5	0.0
100	QPSK	135	138		20.66		21.5	0.0
100	QPSK	270	0		20.71			
100	16QAM	1	1		20.69		21.5	0.0
100	64QAM	1	1		20.58		21.5	0.0
100	256QAM	1	1		20.68		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.76	20.79	20.72	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.70	20.72	20.77	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.71	20.89	20.85	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.82	20.78	20.81	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.74	20.66	20.80	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.80	20.67	20.82	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.80	20.68	20.80	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.62	20.83	20.81	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.78	20.67	20.84	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.82	20.68	20.79	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.79	20.72	20.75	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.21		24.5	0.0
100	PI/2 BPSK	1	137		23.12			
100	PI/2 BPSK	1	271		23.09			
100	PI/2 BPSK	135	0		23.10		24.5	0.0
100	PI/2 BPSK	135	69		23.13		24.5	0.0
100	PI/2 BPSK	135	138		23.05		24.5	0.0
100	PI/2 BPSK	270	0		23.10			
100	QPSK	1	1		23.26		24.5	0.0
100	QPSK	1	137		23.23			
100	QPSK	1	271		23.21			
100	QPSK	135	0		23.07		24.5	0.0
100	QPSK	135	69		23.21		24.5	0.0
100	QPSK	135	138		23.09		24.5	0.0
100	QPSK	270	0		23.18			
100	16QAM	1	1		23.09		24.5	0.0
100	64QAM	1	1		22.67		24.0	0.5
100	256QAM	1	1		20.63		22.0	2.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.56	23.12	23.02	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.51	23.00	23.10	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.57	23.04	23.08	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.58	23.04	22.96	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.52	23.10	23.08	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.60	23.10	22.94	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.60	23.15	22.90	24.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.60	23.13	22.90	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.51	23.04	23.04	24.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.62	23.03	22.97	24.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.60	23.13	23.09	24.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	20.24	20.31	20.19	21.5	0.0
40	PI/2 BPSK	1	53	20.21	20.20	20.10		
40	PI/2 BPSK	1	104	20.17	20.23	20.08		
40	PI/2 BPSK	50	0	20.14	20.31	20.17	21.5	0.0
40	PI/2 BPSK	50	28	20.21	20.25	20.16	21.5	0.0
40	PI/2 BPSK	50	56	20.14	20.18	20.11	21.5	0.0
40	PI/2 BPSK	100	0	20.11	20.21	20.05		
40	QPSK	1	1	20.31	20.36	20.27	21.5	0.0
40	QPSK	1	53	20.06	20.26	20.25		
40	QPSK	1	104	20.19	20.23	20.18		
40	QPSK	50	0	20.00	20.09	19.99	21.5	0.0
40	QPSK	50	28	20.30	20.32	20.28	21.5	0.0
40	QPSK	50	56	20.00	20.07	20.02	21.5	0.0
40	QPSK	100	0	20.12	20.13	20.08		
40	16QAM	1	1	19.81	19.83	19.71	21.5	0.0
40	64QAM	1	1	18.27	18.27	18.23	20.0	1.5
40	256QAM	1	1	16.64	16.67	16.59	18.0	3.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.16	20.20	20.10	21.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.25	20.30	20.18	21.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.20	20.26	20.11	21.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.21	20.32	20.19	21.5	0.0

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BW [MHz]	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	18.03	18.15	18.12	19.5	0.0
100	PI/2 BPSK	1	137	17.95	18.02	18.00		
100	PI/2 BPSK	1	271	17.91	17.95	17.84		
100	PI/2 BPSK	135	0	17.84	18.12	18.01	19.5	0.0
100	PI/2 BPSK	135	69	18.01	18.10	17.98	19.5	0.0
100	PI/2 BPSK	135	138	17.97	17.94	17.95	19.5	0.0
100	PI/2 BPSK	270	0	17.83	18.05	17.86		
100	QPSK	1	1	18.06	18.16	18.13	19.5	0.0
100	QPSK	1	137	17.93	18.08	18.02		
100	QPSK	1	271	17.99	18.04	18.04		
100	QPSK	135	0	17.79	17.97	17.96	19.5	0.0
100	QPSK	135	69	17.95	18.13	18.01	19.5	0.0
100	QPSK	135	138	17.75	17.88	17.84	19.5	0.0
100	QPSK	270	0	18.03	18.09	17.91		
100	16QAM	1	1	17.81	17.98	18.04	19.5	0.0
100	64QAM	1	1	17.68	17.93	17.93	19.5	0.0
100	256QAM	1	1	17.84	17.89	17.85	19.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.02	18.09	18.06	19.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.99	18.02	18.08	19.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.00	18.09	18.02	19.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.02	18.11	18.09	19.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.96	18.13	18.05	19.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.91	18.03	18.06	19.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.90	18.06	18.03	19.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.89	18.12	17.99	19.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.98	18.04	17.97	19.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.95	18.05	17.97	19.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.98	18.06	18.03	19.5	0.0

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BW [MHz]	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	21.06	21.14	21.08	22.5	0.0
100	PI/2 BPSK	1	137	20.96	21.09	21.00		
100	PI/2 BPSK	1	271	20.79	21.03	20.80		
100	PI/2 BPSK	135	0	20.95	21.01	20.96	22.5	0.0
100	PI/2 BPSK	135	69	21.01	21.08	20.98	22.5	0.0
100	PI/2 BPSK	135	138	20.92	21.00	20.95	22.5	0.0
100	PI/2 BPSK	270	0	20.83	20.96	20.80		
100	QPSK	1	1	21.13	21.22	21.17	22.5	0.0
100	QPSK	1	137	20.93	21.06	20.94		
100	QPSK	1	271	20.99	20.99	20.99		
100	QPSK	135	0	20.87	21.07	21.02	22.5	0.0
100	QPSK	135	69	21.03	21.15	21.05	22.5	0.0
100	QPSK	135	138	20.75	20.88	20.93	22.5	0.0
100	QPSK	270	0	20.98	21.07	20.97		
100	16QAM	1	1	20.79	20.90	20.93	22.5	0.0
100	64QAM	1	1	20.74	20.84	20.95	22.5	0.0
100	256QAM	1	1	19.36	19.47	19.28	21.0	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.98	21.17	21.13	22.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.99	21.19	21.08	22.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	21.05	21.18	21.06	22.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.98	21.08	21.01	22.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	21.05	21.10	21.07	22.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.08	21.06	21.12	22.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.10	21.11	21.14	22.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.97	21.16	21.09	22.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.06	21.14	21.09	22.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	21.04	21.07	21.12	22.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	21.04	21.06	21.02	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.41		19.5	0.0
100	PI/2 BPSK	1	137		18.33			
100	PI/2 BPSK	1	271		18.28			
100	PI/2 BPSK	135	0		18.31		19.5	0.0
100	PI/2 BPSK	135	69		18.37		19.5	0.0
100	PI/2 BPSK	135	138		18.23		19.5	0.0
100	PI/2 BPSK	270	0		18.35			
100	QPSK	1	1		18.47		19.5	0.0
100	QPSK	1	137		18.38			
100	QPSK	1	271		18.28			
100	QPSK	135	0		18.32		19.5	0.0
100	QPSK	135	69		18.41		19.5	0.0
100	QPSK	135	138		18.32		19.5	0.0
100	QPSK	270	0		18.37			
100	16QAM	1	1		18.20		19.5	0.0
100	64QAM	1	1		18.14		19.5	0.0
100	256QAM	1	1		18.24		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.31	18.43	18.37	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.34	18.36	18.42	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.32	18.35	18.41	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.32	18.44	18.41	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.34	18.42	18.32	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.32	18.31	18.35	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.41	18.41	18.42	19.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.44	18.32	18.33	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.32	18.40	18.32	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.41	18.39	18.37	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.42	18.33	18.43	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.22		22.5	0.0
100	PI/2 BPSK	1	137		21.09			
100	PI/2 BPSK	1	271		21.12			
100	PI/2 BPSK	135	0		21.11		22.5	0.0
100	PI/2 BPSK	135	69		21.21		22.5	0.0
100	PI/2 BPSK	135	138		21.07		22.5	0.0
100	PI/2 BPSK	270	0		21.07			
100	QPSK	1	1		21.27		22.5	0.0
100	QPSK	1	137		21.14			
100	QPSK	1	271		21.19			
100	QPSK	135	0		21.07		21.5	1.0
100	QPSK	135	69		21.22		22.5	0.0
100	QPSK	135	138		20.97		21.5	1.0
100	QPSK	270	0		21.17			
100	16QAM	1	1		21.01		22.5	0.0
100	64QAM	1	1		21.05		22.5	0.0
100	256QAM	1	1		19.66		21.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.14	21.22	21.18	22.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.22	21.16	21.15	22.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.18	21.17	21.13	22.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.21	21.20	21.16	22.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.13	21.21	21.17	22.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.23	21.12	21.12	22.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.20	21.15	21.11	22.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	21.17	21.23	21.17	22.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.19	21.11	21.13	22.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	21.22	21.12	21.19	22.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	21.13	21.14	21.18	22.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.12		18.5	0.0
100	PI/2 BPSK	1	137		17.10			
100	PI/2 BPSK	1	271		16.95			
100	PI/2 BPSK	135	0		17.07		18.5	0.0
100	PI/2 BPSK	135	69		17.14		18.5	0.0
100	PI/2 BPSK	135	138		16.94		18.5	0.0
100	PI/2 BPSK	270	0		17.04			
100	QPSK	1	1		17.21		18.5	0.0
100	QPSK	1	137		17.16			
100	QPSK	1	271		17.00			
100	QPSK	135	0		17.03		18.5	0.0
100	QPSK	135	69		17.14		18.5	0.0
100	QPSK	135	138		16.97		18.5	0.0
100	QPSK	270	0		17.00			
100	16QAM	1	1		16.97		18.5	0.0
100	64QAM	1	1		16.91		18.5	0.0
100	256QAM	1	1		16.94		18.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.92	17.14	17.05	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.06	17.04	17.03	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.88	17.09	17.02	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.90	17.02	16.91	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.02	17.07	16.93	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.97	17.00	17.09	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.02	17.01	16.90	18.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.90	17.03	17.03	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.09	17.06	16.90	18.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.87	17.12	17.02	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.01	16.96	17.00	18.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.08		21.5	0.0
100	PI/2 BPSK	1	137		19.96			
100	PI/2 BPSK	1	271		19.87			
100	PI/2 BPSK	135	0		19.93		21.5	0.0
100	PI/2 BPSK	135	69		20.02		21.5	0.0
100	PI/2 BPSK	135	138		19.89		21.5	0.0
100	PI/2 BPSK	270	0		19.89			
100	QPSK	1	1		20.12		21.5	0.0
100	QPSK	1	137		19.95			
100	QPSK	1	271		19.99			
100	QPSK	135	0		19.87		21.5	0.0
100	QPSK	135	69		20.06		21.5	0.0
100	QPSK	135	138		19.87		21.5	0.0
100	QPSK	270	0		19.91			
100	16QAM	1	1		19.85		21.5	0.0
100	64QAM	1	1		19.86		21.5	0.0
100	256QAM	1	1		19.76		21.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.97	19.97	19.84	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.93	20.07	19.84	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.92	20.05	19.93	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.96	19.93	19.80	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.78	20.03	19.84	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.80	19.89	19.81	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.87	20.05	20.01	21.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.73	20.02	19.79	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.89	19.98	19.79	21.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.76	20.09	19.86	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.74	19.92	19.91	21.5	0.0

Part27Q n78 Ant8 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.57		18.5	0.0
100	PI/2 BPSK	1	137		17.39			
100	PI/2 BPSK	1	271		17.37			
100	PI/2 BPSK	135	0		17.47		18.5	0.0
100	PI/2 BPSK	135	69		17.50		18.5	0.0
100	PI/2 BPSK	135	138		17.41		18.5	0.0
100	PI/2 BPSK	270	0		17.43			
100	QPSK	1	1		17.60		18.5	0.0
100	QPSK	1	137		17.45			
100	QPSK	1	271		17.44			
100	QPSK	135	0		17.43		18.5	0.0
100	QPSK	135	69		17.52		18.5	0.0
100	QPSK	135	138		17.41		18.5	0.0
100	QPSK	270	0		17.46			
100	16QAM	1	1		17.36		18.5	0.0
100	64QAM	1	1		17.31		18.5	0.0
100	256QAM	1	1		17.35		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.45	17.38	17.36	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.34	17.33	17.42	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.34	17.39	17.27	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.31	17.34	17.45	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.42	17.32	17.37	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.36	17.42	17.42	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.25	17.45	17.41	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.24	17.30	17.31	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.33	17.31	17.29	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.34	17.31	17.47	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.29	17.36	17.35	18.5	0.0

Part27Q n78 PC2 Ant8 ECI1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.29		21.5	0.0
100	PI/2 BPSK	1	137		20.12			
100	PI/2 BPSK	1	271		20.06			
100	PI/2 BPSK	135	0		20.12		21.5	0.0
100	PI/2 BPSK	135	69		20.20		21.5	0.0
100	PI/2 BPSK	135	138		20.12		21.5	0.0
100	PI/2 BPSK	270	0		20.07			
100	QPSK	1	1		20.31		21.5	0.0
100	QPSK	1	137		20.23			
100	QPSK	1	271		20.13			
100	QPSK	135	0		20.03		21.5	0.0
100	QPSK	135	69		20.28		21.5	0.0
100	QPSK	135	138		20.14		21.5	0.0
100	QPSK	270	0		20.23			
100	16QAM	1	1		20.19		21.5	0.0
100	64QAM	1	1		20.04		21.5	0.0
100	256QAM	1	1		19.99		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.06	20.28	20.05	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.19	20.09	20.01	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.08	20.21	20.03	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.05	20.18	20.18	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.15	20.05	20.15	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.04	20.16	20.17	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.05	20.20	20.12	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.14	20.17	20.03	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.20	20.27	20.11	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.06	20.11	20.18	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.16	20.20	20.03	21.5	0.0

Reduced Power Mode for ECI3

n5 Ant0 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.26	25.33	25.23	25.7	0.0
20	PI/2 BPSK	1	53	25.22	25.31	25.22		
20	PI/2 BPSK	1	104	25.22	25.26	25.21		
20	PI/2 BPSK	50	0	24.64	24.72	24.64	25.2	0.5
20	PI/2 BPSK	50	28	25.16	25.29	25.26	25.7	0.0
20	PI/2 BPSK	50	56	24.63	24.74	24.67	25.2	0.5
20	PI/2 BPSK	100	0	24.64	24.78	24.73		
20	QPSK	1	1	25.32	25.41	25.28	25.7	0.0
20	QPSK	1	53	25.23	25.35	25.24		
20	QPSK	1	104	25.09	25.23	25.18		
20	QPSK	50	0	24.18	24.22	24.17	24.7	1.0
20	QPSK	50	28	25.21	25.27	25.23	25.7	0.0
20	QPSK	50	56	24.09	24.17	24.05	24.7	1.0
20	QPSK	100	0	24.22	24.29	24.24		
20	16QAM	1	1	23.97	24.02	23.99	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.79	20.85	20.73	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.25	25.29	25.19	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.20	25.30	25.21	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.18	25.33	25.22	25.7	0.0

n2 Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	20.53	20.60	20.56	21.5	0.0
40	PI/2 BPSK	1	108	20.58	20.55	20.50		
40	PI/2 BPSK	1	214	20.52	20.60	20.54		
40	PI/2 BPSK	108	0	20.37	20.45	20.40	21.5	0.0
40	PI/2 BPSK	108	54	20.47	20.53	20.46	21.5	0.0
40	PI/2 BPSK	108	108	20.41	20.59	20.42	21.5	0.0
40	PI/2 BPSK	216	0	20.47	20.62	20.42		
40	QPSK	1	1	20.62	20.69	20.57	21.5	0.0
40	QPSK	1	108	20.55	20.65	20.52		
40	QPSK	1	214	20.39	20.50	20.49		
40	QPSK	108	0	20.45	20.47	20.42	21.5	0.0
40	QPSK	108	54	20.47	20.62	20.56	21.5	0.0
40	QPSK	108	108	20.46	20.56	20.53		
40	QPSK	216	0	20.57	20.60	20.50	21.5	0.0
40	16QAM	1	1	20.43	20.55	20.34	21.5	0.0
40	64QAM	1	1	20.40	20.52	20.36	21.5	0.0
40	256QAM	1	1	20.02	20.14	20.03	21.0	0.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	20.46	20.57	20.53	21.5	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	20.47	20.56	20.48	21.5	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	20.50	20.53	20.52	21.5	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	20.55	20.65	20.45	21.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	20.58	20.57	20.49	21.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	20.51	20.59	20.46	21.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	20.53	20.55	20.41	21.5	0.0

n5 Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.25	24.33	24.24	25.2	0.0
20	PI/2 BPSK	1	53	24.23	24.21	24.10		
20	PI/2 BPSK	1	104	24.06	24.20	24.08		
20	PI/2 BPSK	50	0	24.17	24.22	24.21	25.2	0.0
20	PI/2 BPSK	50	28	24.19	24.29	24.20	25.2	0.0
20	PI/2 BPSK	50	56	24.18	24.25	24.19	25.2	0.0
20	PI/2 BPSK	100	0	24.15	24.28	24.28		
20	QPSK	1	1	24.36	24.38	24.30	25.2	0.0
20	QPSK	1	53	24.14	24.35	24.24		
20	QPSK	1	104	24.16	24.29	24.26		
20	QPSK	50	0	23.70	23.79	23.69	24.7	0.5
20	QPSK	50	28	24.10	24.31	24.10	25.2	0.0
20	QPSK	50	56	23.57	23.70	23.59	24.7	0.5
20	QPSK	100	0	23.71	23.82	23.80		
20	16QAM	1	1	23.52	23.55	23.48	24.7	0.5
20	64QAM	1	1	21.92	22.01	21.88	23.2	2.0
20	256QAM	1	1	20.26	20.33	20.32	21.2	4.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.25	24.27	24.14	25.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.33	24.34	24.18	25.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.29	24.30	24.23	25.2	0.0

n7 Ant1 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.04	22.13	21.97	22.7	0.0
50	PI/2 BPSK	1	135	22.04	22.14	22.01		
50	PI/2 BPSK	1	268	22.12	22.11	22.02		
50	PI/2 BPSK	135	0	22.05	22.09	22.05	22.7	0.0
50	PI/2 BPSK	135	68	22.08	22.08	22.05	22.7	0.0
50	PI/2 BPSK	135	135	22.11	22.11	22.01	22.7	0.0
50	PI/2 BPSK	270	0	22.12	22.12	21.97		
50	QPSK	1	1	22.08	22.17	22.04	22.7	0.0
50	QPSK	1	135	22.05	22.14	21.97		
50	QPSK	1	268	22.03	22.11	22.08		
50	QPSK	135	0	22.05	22.14	22.08	22.7	0.0
50	QPSK	135	68	22.08	22.13	21.96	22.7	0.0
50	QPSK	135	135	22.06	22.10	22.03	22.7	0.0
50	QPSK	270	0	22.01	22.05	22.00		
50	16QAM	1	1	22.01	22.14	22.04	22.7	0.0
50	64QAM	1	1	22.13	22.14	22.13	22.7	0.0
50	256QAM	1	1	20.49	20.62	20.43	21.2	1.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.05	22.05	21.97	22.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	22.13	22.05	22.06	22.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.08	22.11	22.04	22.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.10	22.11	21.98	22.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	22.11	22.13	22.07	22.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.05	22.15	22.02	22.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.05	22.13	21.99	22.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.06	22.07	21.98	22.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.83	21.88	21.74	22.2	0.0
40	PI/2 BPSK	1	53	21.79	21.88	21.72		
40	PI/2 BPSK	1	104	21.85	21.91	21.80		
40	PI/2 BPSK	50	0	21.85	21.93	21.75	22.2	0.0
40	PI/2 BPSK	50	28	21.78	21.86	21.79	22.2	0.0
40	PI/2 BPSK	50	56	21.91	21.91	21.78	22.2	0.0
40	PI/2 BPSK	100	0	21.92	21.88	21.82		
40	QPSK	1	1	21.84	21.94	21.81	22.2	0.0
40	QPSK	1	53	21.81	21.91	21.84		
40	QPSK	1	104	21.81	21.84	21.76		
40	QPSK	50	0	21.86	21.85	21.83	22.2	0.0
40	QPSK	50	28	21.88	21.91	21.76	22.2	0.0
40	QPSK	50	56	21.78	21.90	21.74	22.2	0.0
40	QPSK	100	0	21.79	21.90	21.78		
40	16QAM	1	1	21.85	21.89	21.78	22.2	0.0
40	64QAM	1	1	21.84	21.93	21.77	22.2	0.0
40	256QAM	1	1	20.80	20.82	20.77	21.2	1.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.83	21.89	21.83	22.2	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.89	21.88	21.85	22.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.84	21.85	21.76	22.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.81	21.84	21.77	22.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.83	21.90	21.84	22.2	0.0

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BW [MHz]	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	20.99	21.10	20.97	21.5	0.0
100	PI/2 BPSK	1	137	21.02	21.07	21.01		
100	PI/2 BPSK	1	271	20.97	21.05	20.96		
100	PI/2 BPSK	135	0	21.01	21.07	20.95	21.5	0.0
100	PI/2 BPSK	135	69	21.04	21.01	20.98	21.5	0.0
100	PI/2 BPSK	135	138	21.01	21.10	20.95	21.5	0.0
100	PI/2 BPSK	270	0	21.07	20.99	21.04		
100	QPSK	1	1	21.04	21.13	21.01	21.5	0.0
100	QPSK	1	137	20.98	21.09	20.94		
100	QPSK	1	271	21.06	21.08	20.95		
100	QPSK	135	0	20.99	21.06	20.98	21.5	0.0
100	QPSK	135	69	21.01	21.09	21.01	21.5	0.0
100	QPSK	135	138	20.94	21.01	21.01	21.5	0.0
100	QPSK	270	0	21.05	21.08	21.00		
100	16QAM	1	1	21.06	21.09	20.93	21.5	0.0
100	64QAM	1	1	21.05	21.09	21.03	21.5	0.0
100	256QAM	1	1	21.00	21.12	20.94	21.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.07	21.03	20.99	21.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.06	20.99	21.01	21.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.97	21.05	20.98	21.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.06	21.03	20.97	21.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.01	21.09	21.03	21.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.06	21.09	20.97	21.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.01	21.01	21.01	21.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.00	21.12	20.95	21.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.04	21.11	20.96	21.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.04	21.03	21.01	21.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.01	21.02	21.06	21.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.07	21.10	20.98	21.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.02	21.10	20.96	21.5	0.0

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BW [MHz]	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	24.21	24.32	24.15	24.5	0.0
100	PI/2 BPSK	1	137	24.18	24.31	24.21		
100	PI/2 BPSK	1	271	24.27	24.23	24.19		
100	PI/2 BPSK	135	0	24.19	24.25	24.21	24.5	0.0
100	PI/2 BPSK	135	69	24.22	24.29	24.09	24.5	0.0
100	PI/2 BPSK	135	138	24.29	24.21	24.16	24.5	0.0
100	PI/2 BPSK	270	0	24.22	24.22	24.09		
100	QPSK	1	1	24.27	24.33	24.25	24.5	0.0
100	QPSK	1	137	24.25	24.30	24.20		
100	QPSK	1	271	24.26	24.26	24.16		
100	QPSK	135	0	24.20	24.28	24.16	24.5	0.0
100	QPSK	135	69	24.21	24.30	24.19	24.5	0.0
100	QPSK	135	138	24.16	24.24	24.10	24.5	0.0
100	QPSK	270	0	24.21	24.29	24.17		
100	16QAM	1	1	24.15	24.23	24.20	24.5	0.0
100	64QAM	1	1	23.09	23.04	23.04	23.5	1.0
100	256QAM	1	1	20.68	20.71	20.62	21.5	3.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	24.26	24.22	24.19	24.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	24.23	24.22	24.16	24.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	24.25	24.25	24.22	24.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	24.29	24.22	24.16	24.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	24.23	24.24	24.19	24.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	24.27	24.23	24.19	24.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	24.23	24.30	24.13	24.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	24.28	24.25	24.15	24.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	24.25	24.21	24.13	24.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	24.27	24.32	24.21	24.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	24.27	24.27	24.20	24.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	24.26	24.20	24.23	24.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	24.29	24.30	24.16	24.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.53	19.50	19.51	20.2	0.0
50	PI/2 BPSK	1	135	19.32	19.50	19.39		
50	PI/2 BPSK	1	268	19.21	19.48	19.23		
50	PI/2 BPSK	135	0	19.33	19.51	19.43	20.2	0.0
50	PI/2 BPSK	135	68	19.38	19.43	19.41	20.2	0.0
50	PI/2 BPSK	135	135	19.33	19.42	19.24	20.2	0.0
50	PI/2 BPSK	270	0	19.22	19.37	19.19		
50	QPSK	1	1	19.58	19.62	19.53	20.2	0.0
50	QPSK	1	135	19.30	19.46	19.33		
50	QPSK	1	268	19.28	19.40	19.50		
50	QPSK	135	0	19.25	19.43	19.40	20.2	0.0
50	QPSK	135	68	19.36	19.47	19.43	20.2	0.0
50	QPSK	135	135	19.18	19.29	19.22	20.2	0.0
50	QPSK	270	0	19.37	19.39	19.35		
50	16QAM	1	1	19.13	19.34	19.32	20.2	0.0
50	64QAM	1	1	19.11	19.28	19.23	20.2	0.0
50	256QAM	1	1	19.26	19.39	19.23	20.2	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.42	19.59	19.42	20.2	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	19.49	19.48	19.48	20.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.41	19.49	19.49	20.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.55	19.56	19.49	20.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	19.47	19.54	19.49	20.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.54	19.47	19.41	20.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.50	19.52	19.43	20.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.46	19.50	19.49	20.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.69	19.74	19.60	20.2	0.0
40	PI/2 BPSK	1	53	19.53	19.68	19.53		
40	PI/2 BPSK	1	104	19.41	19.68	19.37		
40	PI/2 BPSK	50	0	19.48	19.65	19.62	20.2	0.0
40	PI/2 BPSK	50	28	19.57	19.62	19.68	20.2	0.0
40	PI/2 BPSK	50	56	19.50	19.56	19.52	20.2	0.0
40	PI/2 BPSK	100	0	19.45	19.58	19.47		
40	QPSK	1	1	19.73	19.81	19.66	20.2	0.0
40	QPSK	1	53	19.56	19.64	19.63		
40	QPSK	1	104	19.46	19.58	19.60		
40	QPSK	50	0	19.36	19.62	19.66	20.2	0.0
40	QPSK	50	28	19.54	19.78	19.68	20.2	0.0
40	QPSK	50	56	19.36	19.49	19.44	20.2	0.0
40	QPSK	100	0	19.56	19.63	19.56		
40	16QAM	1	1	19.34	19.61	19.51	20.2	0.0
40	64QAM	1	1	19.32	19.45	19.49	20.2	0.0
40	256QAM	1	1	19.41	19.58	19.39	20.2	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.66	19.68	19.58	20.2	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.63	19.75	19.60	20.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.67	19.77	19.56	20.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.63	19.67	19.52	20.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.70	19.69	19.63	20.2	0.0

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BW [MHz]	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	18.41	18.36	18.34	19.5	0.0
100	PI/2 BPSK	1	137	18.28	18.35	18.32		
100	PI/2 BPSK	1	271	18.09	18.26	18.16		
100	PI/2 BPSK	135	0	18.15	18.39	18.33	19.5	0.0
100	PI/2 BPSK	135	69	18.27	18.34	18.26	19.5	0.0
100	PI/2 BPSK	135	138	18.25	18.29	18.23	19.5	0.0
100	PI/2 BPSK	270	0	18.13	18.25	18.06		
100	QPSK	1	1	18.38	18.46	18.42	19.5	0.0
100	QPSK	1	137	18.17	18.42	18.24		
100	QPSK	1	271	18.29	18.35	18.28		
100	QPSK	135	0	18.09	18.30	18.22	19.5	0.0
100	QPSK	135	69	18.33	18.38	18.29	19.5	0.0
100	QPSK	135	138	18.11	18.26	18.12	19.5	0.0
100	QPSK	270	0	18.31	18.35	18.23		
100	16QAM	1	1	18.10	18.27	18.31	19.5	0.0
100	64QAM	1	1	18.12	18.26	18.25	19.5	0.0
100	256QAM	1	1	18.18	18.27	18.14	19.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.31	18.40	18.29	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.33	18.38	18.36	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.26	18.37	18.34	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.22	18.31	18.25	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.28	18.36	18.28	19.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.22	18.34	18.37	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.27	18.41	18.33	19.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.21	18.31	18.30	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.32	18.33	18.27	19.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.24	18.43	18.33	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.31	18.38	18.28	19.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.24	18.33	18.30	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.26	18.42	18.26	19.5	0.0

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BW [MHz]	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	21.41	21.46	21.38	22.5	0.0
100	PI/2 BPSK	1	137	21.27	21.32	21.21		
100	PI/2 BPSK	1	271	21.11	21.31	21.10		
100	PI/2 BPSK	135	0	21.12	21.31	21.28	22.5	0.0
100	PI/2 BPSK	135	69	21.26	21.36	21.34	22.5	0.0
100	PI/2 BPSK	135	138	21.14	21.30	21.23	22.5	0.0
100	PI/2 BPSK	270	0	21.21	21.25	21.07		
100	QPSK	1	1	21.47	21.49	21.42	22.5	0.0
100	QPSK	1	137	21.20	21.45	21.30		
100	QPSK	1	271	21.22	21.35	21.33		
100	QPSK	135	0	21.16	21.33	21.23	22.5	0.0
100	QPSK	135	69	21.33	21.45	21.32	22.5	0.0
100	QPSK	135	138	21.10	21.20	21.22	22.5	0.0
100	QPSK	270	0	21.25	21.27	21.25		
100	16QAM	1	1	21.05	21.21	21.25	22.5	0.0
100	64QAM	1	1	20.98	21.19	21.23	22.5	0.0
100	256QAM	1	1	20.36	20.46	20.39	22.0	0.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.43	21.45	21.29	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.36	21.41	21.29	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.36	21.38	21.30	22.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.35	21.34	21.30	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.41	21.40	21.37	22.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.43	21.38	21.34	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.38	21.33	21.34	22.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.40	21.37	21.27	22.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.35	21.41	21.32	22.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.38	21.32	21.30	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.31	21.46	21.32	22.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.43	21.32	21.28	22.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.41	21.37	21.39	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.56	21.57	21.44	21.7	0.0
40	PI/2 BPSK	1	53	21.45	21.61	21.43		
40	PI/2 BPSK	1	104	21.53	21.56	21.48		
40	PI/2 BPSK	50	0	21.55	21.55	21.41	21.7	0.0
40	PI/2 BPSK	50	28	21.50	21.58	21.42	21.7	0.0
40	PI/2 BPSK	50	56	21.56	21.58	21.42	21.7	0.0
40	PI/2 BPSK	100	0	21.53	21.55	21.45		
40	QPSK	1	1	21.54	21.62	21.46	21.7	0.0
40	QPSK	1	53	21.53	21.54	21.55		
40	QPSK	1	104	21.47	21.61	21.45		
40	QPSK	50	0	21.51	21.50	21.47	21.7	0.0
40	QPSK	50	28	21.55	21.60	21.47	21.7	0.0
40	QPSK	50	56	21.55	21.51	21.52	21.7	0.0
40	QPSK	100	0	21.45	21.58	21.49		
40	16QAM	1	1	21.47	21.57	21.51	21.7	0.0
40	64QAM	1	1	21.49	21.60	21.49	21.7	0.0
40	256QAM	1	1	20.93	21.09	21.04	21.2	0.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.45	21.51	21.44	21.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.45	21.50	21.54	21.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.50	21.55	21.53	21.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.44	21.58	21.47	21.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.53	21.59	21.45	21.7	0.0

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BW [MHz]	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	19.90	19.90	19.80	20.5	0.0
100	PI/2 BPSK	1	137	19.78	19.86	19.84		
100	PI/2 BPSK	1	271	19.80	19.92	19.86		
100	PI/2 BPSK	135	0	19.89	19.97	19.84	20.5	0.0
100	PI/2 BPSK	135	69	19.86	19.92	19.89	20.5	0.0
100	PI/2 BPSK	135	138	19.84	19.97	19.84	20.5	0.0
100	PI/2 BPSK	270	0	19.83	19.93	19.84		
100	QPSK	1	1	19.89	19.99	19.88	20.5	0.0
100	QPSK	1	137	19.90	19.90	19.80		
100	QPSK	1	271	19.78	19.90	19.88		
100	QPSK	135	0	19.81	19.97	19.80	20.5	0.0
100	QPSK	135	69	19.91	19.98	19.90	20.5	0.0
100	QPSK	135	138	19.89	19.85	19.86	20.5	0.0
100	QPSK	270	0	19.83	19.91	19.79		
100	16QAM	1	1	19.84	19.96	19.88	20.5	0.0
100	64QAM	1	1	19.87	19.86	19.80	20.5	0.0
100	256QAM	1	1	19.79	19.89	19.85	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.79	19.88	19.80	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.91	19.86	19.79	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.87	19.90	19.83	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.79	19.96	19.76	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.81	19.90	19.79	20.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.90	19.97	19.87	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.80	19.88	19.79	20.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	19.85	19.96	19.85	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.90	19.98	19.86	20.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	19.87	19.91	19.85	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.87	19.95	19.87	20.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.85	19.91	19.83	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.89	19.96	19.81	20.5	0.0

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BW [MHz]	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	22.83	22.91	22.92	23.5	0.0
100	PI/2 BPSK	1	137	22.91	22.97	22.88		
100	PI/2 BPSK	1	271	22.83	23.04	22.98		
100	PI/2 BPSK	135	0	22.79	22.99	22.97	23.5	0.0
100	PI/2 BPSK	135	69	22.90	23.02	22.98	23.5	0.0
100	PI/2 BPSK	135	138	22.91	23.03	22.90	23.5	0.0
100	PI/2 BPSK	270	0	22.93	22.93	22.98		
100	QPSK	1	1	23.01	23.05	22.94	23.5	0.0
100	QPSK	1	137	22.87	22.97	22.95		
100	QPSK	1	271	22.84	23.01	22.94		
100	QPSK	135	0	22.92	23.00	22.94	23.5	0.0
100	QPSK	135	69	22.93	23.02	22.90	23.5	0.0
100	QPSK	135	138	22.90	22.91	22.91	23.5	0.0
100	QPSK	270	0	22.86	23.04	22.86		
100	16QAM	1	1	22.92	22.98	22.97	23.5	0.0
100	64QAM	1	1	22.89	22.94	22.98	23.5	0.0
100	256QAM	1	1	21.32	21.46	21.31	22.5	1.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.82	22.96	22.94	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.83	22.98	23.00	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.90	22.93	22.93	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.84	22.91	23.00	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.84	22.95	22.95	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.89	22.98	22.94	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.88	23.00	22.95	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.84	22.96	22.99	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.88	23.04	22.90	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.81	22.92	22.94	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.80	22.96	22.97	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.85	22.93	22.94	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.90	23.00	22.98	23.5	0.0

n2 Ant4 Default

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	24.50	24.59	24.47	25.7	0.0
40	PI/2 BPSK	1	108	24.44	24.51	24.43		
40	PI/2 BPSK	1	214	24.41	24.52	24.44		
40	PI/2 BPSK	108	0	23.94	24.02	23.97	25.2	0.5
40	PI/2 BPSK	108	54	24.43	24.52	24.45	25.7	0.0
40	PI/2 BPSK	108	108	23.93	24.05	23.97	25.2	0.5
40	PI/2 BPSK	216	0	23.95	24.05	23.96		
40	QPSK	1	1	24.52	24.60	24.54	25.7	0.0
40	QPSK	1	108	24.42	24.46	24.43		
40	QPSK	1	214	24.41	24.51	24.42		
40	QPSK	108	0	23.45	23.50	23.43	24.7	1.0
40	QPSK	108	54	24.42	24.47	24.44	25.7	0.0
40	QPSK	108	108	23.32	23.37	23.42	24.7	1.0
40	QPSK	216	0	23.44	23.51	23.42		
40	16QAM	1	1	23.41	23.49	23.45	24.7	1.0
40	64QAM	1	1	21.99	22.11	22.06	23.2	2.5
40	256QAM	1	1	20.03	20.12	20.00	21.2	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	24.39	24.46	24.40	25.7	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	24.43	24.52	24.46	25.7	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	24.41	24.49	24.43	25.7	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	24.41	24.51	24.44	25.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.39	24.46	24.45	25.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	24.39	24.41	24.35	25.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.45	24.43	24.42	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.71	20.90	20.84	21.7	0.0
50	PI/2 BPSK	1	135	20.65	20.75	20.69		
50	PI/2 BPSK	1	268	20.44	20.65	20.69		
50	PI/2 BPSK	135	0	20.66	20.70	20.58	21.7	0.0
50	PI/2 BPSK	135	68	20.71	20.89	20.76	21.7	0.0
50	PI/2 BPSK	135	135	20.63	20.63	20.57	21.7	0.0
50	PI/2 BPSK	270	0	20.52	20.66	20.51		
50	QPSK	1	1	20.88	20.93	20.86	21.7	0.0
50	QPSK	1	135	20.50	20.73	20.64		
50	QPSK	1	268	20.62	20.77	20.92		
50	QPSK	135	0	20.60	20.69	20.75	21.7	0.0
50	QPSK	135	68	20.80	20.84	20.73	21.7	0.0
50	QPSK	135	135	20.64	20.65	20.43	21.7	0.0
50	QPSK	270	0	20.76	20.81	20.75		
50	16QAM	1	1	20.42	20.75	20.65	21.7	0.0
50	64QAM	1	1	20.42	20.66	20.69	21.7	0.0
50	256QAM	1	1	20.36	20.41	20.32	21.2	0.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.79	20.90	20.72	21.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.74	20.86	20.73	21.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.74	20.85	20.80	21.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.81	20.80	20.70	21.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.80	20.82	20.76	21.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.72	20.77	20.77	21.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.78	20.81	20.72	21.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.75	20.89	20.74	21.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.52	21.54	21.58	22.2	0.0
40	PI/2 BPSK	1	53	21.25	21.55	21.33		
40	PI/2 BPSK	1	104	21.29	21.29	21.24		
40	PI/2 BPSK	50	0	21.31	21.42	21.48	22.2	0.0
40	PI/2 BPSK	50	28	21.33	21.43	21.36	22.2	0.0
40	PI/2 BPSK	50	56	21.27	21.36	21.18	22.2	0.0
40	PI/2 BPSK	100	0	21.32	21.43	21.18		
40	QPSK	1	1	21.57	21.61	21.52	22.2	0.0
40	QPSK	1	53	21.40	21.52	21.43		
40	QPSK	1	104	21.44	21.46	21.39		
40	QPSK	50	0	21.54	21.58	21.45	22.2	0.0
40	QPSK	50	28	21.24	21.38	21.33	22.2	0.0
40	QPSK	50	56	21.25	21.40	21.25	22.2	0.0
40	QPSK	100	0	21.54	21.55	21.49		
40	16QAM	1	1	21.22	21.28	21.38	22.2	0.0
40	64QAM	1	1	21.12	21.29	21.17	22.2	0.0
40	256QAM	1	1	20.51	20.56	20.48	21.2	1.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.35	21.52	21.39	22.2	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.49	21.47	21.40	22.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.41	21.56	21.47	22.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.54	21.47	21.46	22.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.45	21.45	21.55	22.2	0.0

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BW [MHz]	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	18.88	18.91	18.90	20.5	0.0
100	PI/2 BPSK	1	137	18.86	18.85	18.91		
100	PI/2 BPSK	1	271	18.73	19.01	18.81		
100	PI/2 BPSK	135	0	18.88	18.93	18.77	20.5	0.0
100	PI/2 BPSK	135	69	18.88	18.86	18.84	20.5	0.0
100	PI/2 BPSK	135	138	18.92	18.95	18.83	20.5	0.0
100	PI/2 BPSK	270	0	18.85	18.96	18.77		
100	QPSK	1	1	19.05	19.09	18.92	20.5	0.0
100	QPSK	1	137	18.81	18.90	18.78		
100	QPSK	1	271	18.88	18.97	18.84		
100	QPSK	135	0	18.70	18.79	18.90	20.5	0.0
100	QPSK	135	69	19.01	19.05	18.98	20.5	0.0
100	QPSK	135	138	18.64	18.82	18.68	20.5	0.0
100	QPSK	270	0	18.83	18.95	18.75		
100	16QAM	1	1	18.66	18.75	18.88	20.5	0.0
100	64QAM	1	1	18.56	18.76	18.77	20.5	0.0
100	256QAM	1	1	18.84	18.89	18.76	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.92	19.03	18.87	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.91	18.93	18.96	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.90	19.08	18.83	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.02	19.08	18.88	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.08	18.96	18.74	20.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.05	19.08	18.81	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.88	18.96	18.81	20.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.95	19.01	18.88	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.95	18.97	18.83	20.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.87	18.94	18.92	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.86	19.01	18.86	20.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.02	18.94	18.96	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.91	19.03	18.80	20.5	0.0

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BW [MHz]	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	22.07	22.12	22.02	23.5	0.0
100	PI/2 BPSK	1	137	21.85	21.97	21.90		
100	PI/2 BPSK	1	271	21.86	21.89	21.76		
100	PI/2 BPSK	135	0	21.76	22.07	21.97	23.5	0.0
100	PI/2 BPSK	135	69	21.82	21.96	22.03	23.5	0.0
100	PI/2 BPSK	135	138	21.79	21.75	21.73	23.5	0.0
100	PI/2 BPSK	270	0	21.84	21.99	21.72		
100	QPSK	1	1	22.09	22.14	22.04	23.5	0.0
100	QPSK	1	137	21.74	21.99	21.78		
100	QPSK	1	271	21.92	21.94	21.89		
100	QPSK	135	0	21.69	21.80	21.82	23.5	0.0
100	QPSK	135	69	21.92	22.07	22.03	23.5	0.0
100	QPSK	135	138	21.88	21.98	21.91	23.5	0.0
100	QPSK	270	0	22.01	22.03	21.98		
100	16QAM	1	1	21.73	21.83	21.87	23.5	0.0
100	64QAM	1	1	21.65	21.76	21.77	23.5	0.0
100	256QAM	1	1	20.12	20.21	20.16	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.95	22.07	21.88	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.07	22.02	21.86	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.97	21.97	21.82	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.97	21.96	22.03	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.97	22.11	21.93	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.94	22.04	21.87	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.06	22.00	21.92	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.94	21.96	22.01	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.01	22.10	22.05	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.98	22.06	21.86	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.00	21.93	21.83	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.07	22.01	21.95	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.01	22.02	22.01	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.19	19.32	19.26	20.0	0.0
40	PI/2 BPSK	1	53	19.24	19.34	19.24		
40	PI/2 BPSK	1	104	19.22	19.31	19.15		
40	PI/2 BPSK	50	0	19.26	19.32	19.17	20.0	0.0
40	PI/2 BPSK	50	28	19.19	19.26	19.15	20.0	0.0
40	PI/2 BPSK	50	56	19.21	19.23	19.27	20.0	0.0
40	PI/2 BPSK	100	0	19.26	19.35	19.24		
40	QPSK	1	1	19.15	19.30	19.19	20.0	0.0
40	QPSK	1	53	19.19	19.29	19.23		
40	QPSK	1	104	19.18	19.26	19.25		
40	QPSK	50	0	19.16	19.25	19.26	20.0	0.0
40	QPSK	50	28	19.25	19.27	19.23	20.0	0.0
40	QPSK	50	56	19.25	19.22	19.15	20.0	0.0
40	QPSK	100	0	19.23	19.25	19.22		
40	16QAM	1	1	19.22	19.34	19.27	20.0	0.0
40	64QAM	1	1	19.23	19.22	19.25	20.0	0.0
40	256QAM	1	1	18.63	18.69	18.62	19.5	0.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.22	19.22	19.19	20.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.19	19.31	19.23	20.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.29	19.23	19.20	20.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.29	19.31	19.23	20.0	0.0

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BW [MHz]	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	17.17	17.17	17.04	18.0	0.0
100	PI/2 BPSK	1	137	17.14	17.20	17.14		
100	PI/2 BPSK	1	271	17.14	17.24	17.17		
100	PI/2 BPSK	135	0	17.16	17.15	17.11	18.0	0.0
100	PI/2 BPSK	135	69	17.18	17.15	17.04	18.0	0.0
100	PI/2 BPSK	135	138	17.19	17.16	17.07	18.0	0.0
100	PI/2 BPSK	270	0	17.15	17.19	17.13		
100	QPSK	1	1	17.18	17.25	17.23	18.0	0.0
100	QPSK	1	137	17.21	17.21	17.05		
100	QPSK	1	271	17.11	17.22	17.12		
100	QPSK	135	0	17.16	17.15	17.11	18.0	0.0
100	QPSK	135	69	17.14	17.23	17.06	18.0	0.0
100	QPSK	135	138	17.21	17.20	17.08	18.0	0.0
100	QPSK	270	0	17.14	17.18	17.16		
100	16QAM	1	1	17.13	17.20	17.04	18.0	0.0
100	64QAM	1	1	17.10	17.20	17.15	18.0	0.0
100	256QAM	1	1	17.22	17.16	17.09	18.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.22	17.13	17.15	18.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.21	17.20	17.04	18.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.11	17.23	17.10	18.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.16	17.17	17.08	18.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.21	17.22	17.08	18.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.18	17.13	17.09	18.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.16	17.13	17.13	18.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.19	17.16	17.10	18.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.14	17.19	17.11	18.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.21	17.18	17.09	18.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.15	17.15	17.07	18.0	0.0

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BW [MHz]	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	19.97	20.09	20.04	21.0	0.0
100	PI/2 BPSK	1	137	20.10	20.10	20.02		
100	PI/2 BPSK	1	271	20.00	20.21	20.13		
100	PI/2 BPSK	135	0	20.05	20.09	20.11	21.0	0.0
100	PI/2 BPSK	135	69	20.01	20.11	20.13	21.0	0.0
100	PI/2 BPSK	135	138	20.10	20.20	20.04	21.0	0.0
100	PI/2 BPSK	270	0	20.07	20.09	20.07		
100	QPSK	1	1	20.21	20.23	20.16	21.0	0.0
100	QPSK	1	137	20.01	20.21	20.04		
100	QPSK	1	271	20.02	20.18	20.02		
100	QPSK	135	0	20.13	20.11	20.07	21.0	0.0
100	QPSK	135	69	20.18	20.19	20.11	21.0	0.0
100	QPSK	135	138	19.98	20.11	20.09	21.0	0.0
100	QPSK	270	0	20.06	20.18	20.07		
100	16QAM	1	1	20.01	20.08	20.13	21.0	0.0
100	64QAM	1	1	20.01	20.16	20.11	21.0	0.0
100	256QAM	1	1	20.05	20.16	20.02	21.0	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.03	20.19	20.13	21.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.03	20.18	20.15	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.06	20.09	20.08	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.10	20.18	20.03	21.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.99	20.09	20.11	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.98	20.08	20.05	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.01	20.09	20.11	21.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.05	20.10	20.03	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.07	20.13	20.04	21.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.08	20.21	20.09	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.08	20.22	20.02	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.24		18.0	0.0
100	PI/2 BPSK	1	137		17.20			
100	PI/2 BPSK	1	271		17.32			
100	PI/2 BPSK	135	0		17.28		18.0	0.0
100	PI/2 BPSK	135	69		17.22		18.0	0.0
100	PI/2 BPSK	135	138		17.33		18.0	0.0
100	PI/2 BPSK	270	0		17.32			
100	QPSK	1	1		17.34		18.0	0.0
100	QPSK	1	137		17.23			
100	QPSK	1	271		17.20			
100	QPSK	135	0		17.26		18.0	0.0
100	QPSK	135	69		17.31		18.0	0.0
100	QPSK	135	138		17.30		18.0	0.0
100	QPSK	270	0		17.28			
100	16QAM	1	1		17.21		18.0	0.0
100	64QAM	1	1		17.26		18.0	0.0
100	256QAM	1	1		17.30		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.22	17.26	17.24	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.28	17.25	17.21	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.23	17.29	17.26	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.32	17.21	17.32	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.32	17.22	17.28	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.26	17.22	17.25	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.25	17.23	17.21	18.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.25	17.27	17.27	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.21	17.26	17.22	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.27	17.26	17.23	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.24	17.23	17.31	18.0	0.0

Part27Q n77 PC2 Ant5 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.12		21.0	0.0
100	PI/2 BPSK	1	137		20.16			
100	PI/2 BPSK	1	271		20.10			
100	PI/2 BPSK	135	0		20.08		21.0	0.0
100	PI/2 BPSK	135	69		20.06		21.0	0.0
100	PI/2 BPSK	135	138		20.09		21.0	0.0
100	PI/2 BPSK	270	0		20.17			
100	QPSK	1	1		20.20		21.0	0.0
100	QPSK	1	137		20.14			
100	QPSK	1	271		20.13			
100	QPSK	135	0		20.08		21.0	0.0
100	QPSK	135	69		20.18		21.0	0.0
100	QPSK	135	138		20.12		21.0	0.0
100	QPSK	270	0		20.15			
100	16QAM	1	1		20.07		21.0	0.0
100	64QAM	1	1		20.09		21.0	0.0
100	256QAM	1	1		20.05		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.11	20.13	20.08	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.06	20.12	20.12	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.18	20.17	20.08	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.14	20.11	20.06	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.13	20.18	20.16	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.19	20.16	20.06	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.06	20.07	20.11	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.12	20.07	20.17	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.06	20.16	20.05	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.18	20.11	20.18	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.18	20.19	20.06	21.0	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.58		18.5	0.0
100	PI/2 BPSK	1	137		17.58			
100	PI/2 BPSK	1	271		17.50			
100	PI/2 BPSK	135	0		17.58		18.5	0.0
100	PI/2 BPSK	135	69		17.59		18.5	0.0
100	PI/2 BPSK	135	138		17.53		18.5	0.0
100	PI/2 BPSK	270	0		17.52			
100	QPSK	1	1		17.63		18.5	0.0
100	QPSK	1	137		17.49			
100	QPSK	1	271		17.60			
100	QPSK	135	0		17.48		18.5	0.0
100	QPSK	135	69		17.61		18.5	0.0
100	QPSK	135	138		17.55		18.5	0.0
100	QPSK	270	0		17.59			
100	16QAM	1	1		17.54		18.5	0.0
100	64QAM	1	1		17.56		18.5	0.0
100	256QAM	1	1		17.54		18.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.51	17.52	17.52	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.60	17.60	17.59	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.57	17.58	17.57	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.59	17.53	17.56	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.56	17.49	17.59	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.60	17.50	17.52	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.54	17.57	17.51	18.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.56	17.57	17.57	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.54	17.49	17.55	18.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.61	17.61	17.59	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.54	17.61	17.50	18.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.48		21.5	0.0
100	PI/2 BPSK	1	137		20.46			
100	PI/2 BPSK	1	271		20.46			
100	PI/2 BPSK	135	0		20.47		21.5	0.0
100	PI/2 BPSK	135	69		20.39		21.5	0.0
100	PI/2 BPSK	135	138		20.47		21.5	0.0
100	PI/2 BPSK	270	0		20.39			
100	QPSK	1	1		20.49		21.5	0.0
100	QPSK	1	137		20.41			
100	QPSK	1	271		20.42			
100	QPSK	135	0		20.45		21.5	0.0
100	QPSK	135	69		20.48		21.5	0.0
100	QPSK	135	138		20.41			
100	QPSK	270	0		20.45			
100	16QAM	1	1		20.38		21.5	0.0
100	64QAM	1	1		20.44		21.5	0.0
100	256QAM	1	1		20.43		21.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.46	20.35	20.44	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.38	20.39	20.38	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.37	20.40	20.47	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.48	20.43	20.42	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.38	20.44	20.48	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.42	20.39	20.45	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.36	20.45	20.35	21.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.40	20.37	20.35	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.46	20.40	20.42	21.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.45	20.36	20.45	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.36	20.41	20.48	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.79		18.5	0.0
100	PI/2 BPSK	1	137		17.84			
100	PI/2 BPSK	1	271		17.83			
100	PI/2 BPSK	135	0		17.78		18.5	0.0
100	PI/2 BPSK	135	69		17.85		18.5	0.0
100	PI/2 BPSK	135	138		17.88		18.5	0.0
100	PI/2 BPSK	270	0		17.84			
100	QPSK	1	1		17.93		18.5	0.0
100	QPSK	1	137		17.78			
100	QPSK	1	271		17.89			
100	QPSK	135	0		17.87		18.5	0.0
100	QPSK	135	69		17.89		18.5	0.0
100	QPSK	135	138		17.81		18.5	0.0
100	QPSK	270	0		17.87			
100	16QAM	1	1		17.80		18.5	0.0
100	64QAM	1	1		17.78		18.5	0.0
100	256QAM	1	1		17.89		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.90	17.81	17.85	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.89	17.79	17.79	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.77	17.78	17.82	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.79	17.83	17.78	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.82	17.78	17.85	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.84	17.88	17.83	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.88	17.88	17.91	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.88	17.84	17.88	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.86	17.81	17.87	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.90	17.88	17.78	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.86	17.83	17.79	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.79		21.5	0.0
100	PI/2 BPSK	1	137		20.76			
100	PI/2 BPSK	1	271		20.79			
100	PI/2 BPSK	135	0		20.77		21.5	0.0
100	PI/2 BPSK	135	69		20.69		21.5	0.0
100	PI/2 BPSK	135	138		20.68		21.5	0.0
100	PI/2 BPSK	270	0		20.75			
100	QPSK	1	1		20.80		21.5	0.0
100	QPSK	1	137		20.74			
100	QPSK	1	271		20.77			
100	QPSK	135	0		20.68		21.5	0.0
100	QPSK	135	69		20.78		21.5	0.0
100	QPSK	135	138		20.73		21.5	0.0
100	QPSK	270	0		20.72			
100	16QAM	1	1		20.67		21.5	0.0
100	64QAM	1	1		20.78		21.5	0.0
100	256QAM	1	1		20.66		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.76	20.67	20.70	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.76	20.69	20.73	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.67	20.75	20.77	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.79	20.77	20.72	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.76	20.78	20.73	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.78	20.73	20.70	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.75	20.73	20.72	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.77	20.71	20.79	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.79	20.70	20.66	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.77	20.71	20.71	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.78	20.71	20.70	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	18.61	18.59	18.62	19.5	0.0
40	PI/2 BPSK	1	53	18.46	18.55	18.45		
40	PI/2 BPSK	1	104	18.34	18.54	18.29		
40	PI/2 BPSK	50	0	18.32	18.44	18.59	19.5	0.0
40	PI/2 BPSK	50	28	18.57	18.67	18.53	19.5	0.0
40	PI/2 BPSK	50	56	18.39	18.40	18.45	19.5	0.0
40	PI/2 BPSK	100	0	18.49	18.51	18.35		
40	QPSK	1	1	18.59	18.72	18.52	19.5	0.0
40	QPSK	1	53	18.43	18.71	18.46		
40	QPSK	1	104	18.32	18.58	18.62		
40	QPSK	50	0	18.30	18.50	18.50	19.5	0.0
40	QPSK	50	28	18.50	18.67	18.50	19.5	0.0
40	QPSK	50	56	18.23	18.47	18.40	19.5	0.0
40	QPSK	100	0	18.39	18.65	18.46		
40	16QAM	1	1	18.24	18.44	18.48	19.5	0.0
40	64QAM	1	1	18.26	18.53	18.35	19.5	0.0
40	256QAM	1	1	16.75	16.81	16.75	18.0	1.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.37	18.49	18.50	19.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.32	18.38	18.57	19.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	18.40	18.43	18.55	19.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	18.34	18.44	18.56	19.5	0.0

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BW [MHz]	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	17.11	17.12	17.11	18.5	0.0
100	PI/2 BPSK	1	137	16.98	17.12	16.98		
100	PI/2 BPSK	1	271	16.83	17.00	16.80		
100	PI/2 BPSK	135	0	16.89	17.11	16.94	18.5	0.0
100	PI/2 BPSK	135	69	16.86	17.08	16.98	18.5	0.0
100	PI/2 BPSK	135	138	16.92	16.95	16.90	18.5	0.0
100	PI/2 BPSK	270	0	16.84	16.99	16.83		
100	QPSK	1	1	17.11	17.18	17.07	18.5	0.0
100	QPSK	1	137	16.86	17.09	16.88		
100	QPSK	1	271	16.88	17.10	17.13		
100	QPSK	135	0	16.89	16.98	17.02	18.5	0.0
100	QPSK	135	69	17.05	17.15	17.03	18.5	0.0
100	QPSK	135	138	16.78	16.95	16.82	18.5	0.0
100	QPSK	270	0	17.08	17.13	16.95		
100	16QAM	1	1	16.75	16.94	16.93	18.5	0.0
100	64QAM	1	1	16.79	16.98	16.95	18.5	0.0
100	256QAM	1	1	16.77	16.83	16.77	18.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.85	17.07	16.95	18.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.96	17.07	16.90	18.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.91	17.12	17.00	18.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.97	17.04	16.95	18.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.96	17.08	17.01	18.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.85	17.16	16.95	18.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.86	17.08	16.98	18.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.98	17.12	16.98	18.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.93	17.03	16.94	18.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.86	17.05	16.90	18.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.96	17.05	16.94	18.5	0.0

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BW [MHz]	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	20.13	20.05	20.06	21.5	0.0
100	PI/2 BPSK	1	137	20.00	20.04	19.99		
100	PI/2 BPSK	1	271	19.92	20.03	19.78		
100	PI/2 BPSK	135	0	19.88	19.97	20.00	21.5	0.0
100	PI/2 BPSK	135	69	19.88	20.11	20.02	21.5	0.0
100	PI/2 BPSK	135	138	19.87	19.96	19.93	21.5	0.0
100	PI/2 BPSK	270	0	19.92	20.00	19.79		
100	QPSK	1	1	20.12	20.15	20.13	21.5	0.0
100	QPSK	1	137	19.89	20.13	20.11		
100	QPSK	1	271	20.02	20.11	19.97		
100	QPSK	135	0	19.81	19.99	19.97	21.5	0.0
100	QPSK	135	69	20.06	20.10	20.01	21.5	0.0
100	QPSK	135	138	19.78	20.01	19.85	21.5	0.0
100	QPSK	270	0	20.05	20.09	19.89		
100	16QAM	1	1	19.78	20.05	20.02	21.5	0.0
100	64QAM	1	1	19.73	19.78	19.80	21.5	0.0
100	256QAM	1	1	19.92	19.89	19.75	21.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.93	20.01	19.80	21.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.90	19.99	19.79	21.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.94	20.03	19.80	21.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.89	19.98	19.86	21.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.96	19.94	19.78	21.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.88	20.06	19.87	21.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.92	19.98	19.82	21.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	19.85	20.01	19.75	21.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.92	20.04	19.77	21.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.94	20.05	19.79	21.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.87	20.03	19.78	21.5	0.0

Part27Q n77 Ant6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.99		18.5	0.0
100	PI/2 BPSK	1	137		16.83			
100	PI/2 BPSK	1	271		17.02			
100	PI/2 BPSK	135	0		17.02		18.5	0.0
100	PI/2 BPSK	135	69		16.99		18.5	0.0
100	PI/2 BPSK	135	138		16.83		18.5	0.0
100	PI/2 BPSK	270	0		16.83			
100	QPSK	1	1		17.03		18.5	0.0
100	QPSK	1	137		16.95			
100	QPSK	1	271		17.01			
100	QPSK	135	0		16.92		18.5	0.0
100	QPSK	135	69		16.94		18.5	0.0
100	QPSK	135	138		16.76		18.5	0.0
100	QPSK	270	0		16.93			
100	16QAM	1	1		16.89		18.5	0.0
100	64QAM	1	1		16.72		18.5	0.0
100	256QAM	1	1		16.85		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.99	16.98	17.00	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.01	16.99	17.02	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.01	16.99	16.95	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.93	16.87	16.98	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.94	16.97	16.97	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.90	16.97	16.94	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.98	16.91	16.86	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.95	16.92	16.90	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.88	16.98	16.94	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.99	16.87	16.91	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.87	16.91	16.93	18.5	0.0

Part27Q n77 PC2 Ant6 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.21		21.5	0.0
100	PI/2 BPSK	1	137		20.01			
100	PI/2 BPSK	1	271		19.97			
100	PI/2 BPSK	135	0		20.07		21.5	0.0
100	PI/2 BPSK	135	69		20.20		21.5	0.0
100	PI/2 BPSK	135	138		19.93		21.5	0.0
100	PI/2 BPSK	270	0		19.94			
100	QPSK	1	1		20.24		21.5	0.0
100	QPSK	1	137		20.19			
100	QPSK	1	271		20.11			
100	QPSK	135	0		20.02		21.5	0.0
100	QPSK	135	69		20.18		21.5	0.0
100	QPSK	135	138		20.01		21.5	0.0
100	QPSK	270	0		20.13			
100	16QAM	1	1		20.01		21.5	0.0
100	64QAM	1	1		19.78		21.5	0.0
100	256QAM	1	1		19.81		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.77	20.04	19.91	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.80	20.03	19.94	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.76	20.09	19.88	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.70	20.00	19.88	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.78	20.03	19.95	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.71	20.07	19.95	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.82	19.98	19.91	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.72	19.98	19.96	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.76	20.01	19.85	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.77	19.98	19.87	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.70	20.10	19.83	21.5	0.0

Part27O n78 Ant6 ECI3

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.06		18.5	0.0
100	PI/2 BPSK	1	137		17.16			
100	PI/2 BPSK	1	271		17.05			
100	PI/2 BPSK	135	0		17.13		18.5	0.0
100	PI/2 BPSK	135	69		17.09		18.5	0.0
100	PI/2 BPSK	135	138		16.89		18.5	0.0
100	PI/2 BPSK	270	0		17.01			
100	QPSK	1	1		17.21		18.5	0.0
100	QPSK	1	137		17.17			
100	QPSK	1	271		17.00			
100	QPSK	135	0		16.95		18.5	0.0
100	QPSK	135	69		17.06		18.5	0.0
100	QPSK	135	138		16.95		18.5	0.0
100	QPSK	270	0		17.00			
100	16QAM	1	1		17.05		18.5	0.0
100	64QAM	1	1		16.86		18.5	0.0
100	256QAM	1	1		16.83		18.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.16	17.06	17.14	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.06	17.13	17.04	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.12	17.16	17.14	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.10	17.12	17.10	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.07	17.09	17.06	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.04	17.15	17.10	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.04	17.05	17.06	18.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.12	17.15	17.04	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.13	17.12	17.09	18.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.07	17.15	17.08	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.14	17.13	17.14	18.5	0.0

Part27O n78 PC2 Ant6 ECI3

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.59			
100	PI/2 BPSK	1	137		20.44		21.5	0.0
100	PI/2 BPSK	1	271		20.37			
100	PI/2 BPSK	135	0		20.52		21.5	0.0
100	PI/2 BPSK	135	69		20.53		21.5	0.0
100	PI/2 BPSK	135	138		20.31		21.5	0.0
100	PI/2 BPSK	270	0		20.46			
100	QPSK	1	1		20.60			
100	QPSK	1	137		20.57		21.5	0.0
100	QPSK	1	271		20.40			
100	QPSK	135	0		20.49		21.5	0.0
100	QPSK	135	69		20.59		21.5	0.0
100	QPSK	135	138		20.34		21.5	0.0
100	QPSK	270	0		20.51			
100	16QAM	1	1		20.45		21.5	0.0
100	64QAM	1	1		20.31		21.5	0.0
100	256QAM	1	1		20.34		21.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.50	20.49	20.50	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.37	20.39	20.33	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.34	20.49	20.46	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.34	20.30	20.50	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.30	20.40	20.36	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.48	20.35	20.40	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.49	20.38	20.45	21.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.46	20.29	20.44	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.36	20.30	20.31	21.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.48	20.49	20.35	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.31	20.50	20.36	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.31			
100	PI/2 BPSK	1	137		17.34		18.5	0.0
100	PI/2 BPSK	1	271		17.36			
100	PI/2 BPSK	135	0		17.27		18.5	0.0
100	PI/2 BPSK	135	69		17.42		18.5	0.0
100	PI/2 BPSK	135	138		17.23		18.5	0.0
100	PI/2 BPSK	270	0		17.33			
100	QPSK	1	1		17.47			
100	QPSK	1	137		17.39		18.5	0.0
100	QPSK	1	271		17.32			
100	QPSK	135	0		17.39		18.5	0.0
100	QPSK	135	69		17.43		18.5	0.0
100	QPSK	135	138		17.28		18.5	0.0
100	QPSK	270	0		17.37			
100	16QAM	1	1		17.29		18.5	0.0
100	64QAM	1	1		17.27		18.5	0.0
100	256QAM	1	1		17.24		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.29	17.31	17.21	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.27	17.28	17.27	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.32	17.27	17.22	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.27	17.34	17.20	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.25	17.29	17.33	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.26	17.20	17.32	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.27	17.24	17.26	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.28	17.31	17.21	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.22	17.24	17.26	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.21	17.25	17.34	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.26	17.33	17.33	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.65			
100	PI/2 BPSK	1	137		20.53		21.5	0.0
100	PI/2 BPSK	1	271		20.45			
100	PI/2 BPSK	135	0		20.46		21.5	0.0
100	PI/2 BPSK	135	69		20.57		21.5	0.0
100	PI/2 BPSK	135	138		20.45		21.5	0.0
100	PI/2 BPSK	270	0		20.41			
100	QPSK	1	1		20.66			
100	QPSK	1	137		20.64		21.5	0.0
100	QPSK	1	271		20.65			
100	QPSK	135	0		20.58		21.5	0.0
100	QPSK	135	69		20.60		21.5	0.0
100	QPSK	135	138		20.44		21.5	0.0
100	QPSK	270	0		20.64			
100	16QAM	1	1		20.47		21.5	0.0
100	64QAM	1	1		20.35		21.5	0.0
100	256QAM	1	1		20.41		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.65	20.52	20.47	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.56	20.48	20.39	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.56	20.55	20.54	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.51	20.44	20.46	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.53	20.62	20.56	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.63	20.41	20.43	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.55	20.61	20.51	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.47	20.55	20.56	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.57	20.54	20.46	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.64	20.58	20.47	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.60	20.54	20.36	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	20.72	20.89	20.78	22.0	0.0
40	PI/2 BPSK	1	53	20.76	20.81	20.72		
40	PI/2 BPSK	1	104	20.83	20.83	20.75		
40	PI/2 BPSK	50	0	20.76	20.84	20.71	22.0	0.0
40	PI/2 BPSK	50	28	20.84	20.85	20.72	22.0	0.0
40	PI/2 BPSK	50	56	20.71	20.80	20.65	22.0	0.0
40	PI/2 BPSK	100	0	20.75	20.87	20.83		
40	QPSK	1	1	20.87	20.94	20.81	22.0	0.0
40	QPSK	1	53	20.75	20.88	20.71		
40	QPSK	1	104	20.75	20.82	20.70		
40	QPSK	50	0	20.16	20.25	20.14	21.5	0.5
40	QPSK	50	28	20.83	20.85	20.66	22.0	0.0
40	QPSK	50	56	20.15	20.26	20.23	21.5	0.5
40	QPSK	100	0	20.32	20.37	20.31		
40	16QAM	1	1	19.95	20.06	19.93	21.5	0.5
40	64QAM	1	1	18.45	18.49	18.43	20.0	2.0
40	256QAM	1	1	16.81	16.88	16.75	18.0	4.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.81	20.88	20.73	22.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.80	20.88	20.71	22.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.76	20.86	20.66	22.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.72	20.81	20.76	22.0	0.0

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BW [MHz]	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	13.65	13.26	13.15	14.5	0.0
100	PI/2 BPSK	1	137	13.61	13.15	13.09		
100	PI/2 BPSK	1	271	13.56	13.12	13.13		
100	PI/2 BPSK	135	0	13.49	13.24	13.23	14.5	0.0
100	PI/2 BPSK	135	69	13.62	13.26	13.06	14.5	0.0
100	PI/2 BPSK	135	138	13.53	13.14	13.04	14.5	0.0
100	PI/2 BPSK	270	0	13.66	13.25	12.99		
100	QPSK	1	1	13.69	13.36	13.26	14.5	0.0
100	QPSK	1	137	13.65	13.31	13.22		
100	QPSK	1	271	13.67	13.25	13.21		
100	QPSK	135	0	13.52	13.22	13.11	14.5	0.0
100	QPSK	135	69	13.62	13.29	13.24	14.5	0.0
100	QPSK	135	138	13.52	13.23	13.14	14.5	0.0
100	QPSK	270	0	13.55	13.15	13.21		
100	16QAM	1	1	13.44	13.06	13.10	14.5	0.0
100	64QAM	1	1	13.42	13.08	13.03	14.5	0.0
100	256QAM	1	1	13.59	13.19	13.13	14.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	13.59	13.25	13.18	14.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	13.60	13.32	13.15	14.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.52	13.21	13.17	14.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	13.55	13.20	13.22	14.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	13.58	13.27	13.15	14.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.59	13.21	13.11	14.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	13.52	13.28	13.17	14.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	13.58	13.24	13.17	14.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	13.55	13.32	13.12	14.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	13.60	13.31	13.17	14.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	13.58	13.32	13.14	14.5	0.0

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BW [MHz]	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	16.60	16.22	16.03	17.5	0.0
100	PI/2 BPSK	1	137	16.49	16.03	16.02		
100	PI/2 BPSK	1	271	16.50	15.96	16.08		
100	PI/2 BPSK	135	0	16.41	16.08	16.13	17.5	0.0
100	PI/2 BPSK	135	69	16.51	16.23	16.00	17.5	0.0
100	PI/2 BPSK	135	138	16.48	16.03	15.88	17.5	0.0
100	PI/2 BPSK	270	0	16.55	16.09	15.90		
100	QPSK	1	1	16.63	16.21	16.20	17.5	0.0
100	QPSK	1	137	16.57	16.17	16.18		
100	QPSK	1	271	16.52	16.10	16.10		
100	QPSK	135	0	16.45	16.08	16.01	17.5	0.0
100	QPSK	135	69	16.57	16.23	16.09	17.5	0.0
100	QPSK	135	138	16.46	16.11	15.98	17.5	0.0
100	QPSK	270	0	16.50	16.09	16.16		
100	16QAM	1	1	16.38	15.97	16.03	17.5	0.0
100	64QAM	1	1	16.26	15.93	15.90	17.5	0.0
100	256QAM	1	1	16.53	16.09	16.02	17.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.48	16.09	16.04	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.50	16.06	16.16	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.58	16.15	16.10	17.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.46	16.06	16.14	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.55	16.05	16.06	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.54	16.05	16.10	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.51	16.05	16.15	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.47	16.09	16.13	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.57	16.12	16.06	17.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.50	16.12	16.15	17.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.55	16.05	16.14	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.89		14.5	0.0
100	PI/2 BPSK	1	137		13.77			
100	PI/2 BPSK	1	271		13.71			
100	PI/2 BPSK	135	0		13.65		14.5	0.0
100	PI/2 BPSK	135	69		13.77		14.5	0.0
100	PI/2 BPSK	135	138		13.73		14.5	0.0
100	PI/2 BPSK	270	0		13.72			
100	QPSK	1	1		13.92		14.5	0.0
100	QPSK	1	137		13.82			
100	QPSK	1	271		13.80			
100	QPSK	135	0		13.78		14.5	0.0
100	QPSK	135	69		13.86		14.5	0.0
100	QPSK	135	138		13.62		14.5	0.0
100	QPSK	270	0		13.72			
100	16QAM	1	1		13.58		14.5	0.0
100	64QAM	1	1		13.60		14.5	0.0
100	256QAM	1	1		13.80		14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.80	13.88	13.86	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.85	13.86	13.82	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.85	13.79	13.76	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.86	13.82	13.88	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.84	13.82	13.80	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.79	13.81	13.82	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.87	13.83	13.83	14.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.86	13.77	13.78	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.78	13.82	13.84	14.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.85	13.76	13.78	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.81	13.88	13.84	14.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.79		17.5	0.0
100	PI/2 BPSK	1	137		16.74			
100	PI/2 BPSK	1	271		16.78			
100	PI/2 BPSK	135	0		16.80		17.5	0.0
100	PI/2 BPSK	135	69		16.78		17.5	0.0
100	PI/2 BPSK	135	138		16.60		17.5	0.0
100	PI/2 BPSK	270	0		16.68			
100	QPSK	1	1		16.84		17.5	0.0
100	QPSK	1	137		16.79			
100	QPSK	1	271		16.78			
100	QPSK	135	0		16.64		17.5	0.0
100	QPSK	135	69		16.82		17.5	0.0
100	QPSK	135	138		16.71		17.5	0.0
100	QPSK	270	0		16.78			
100	16QAM	1	1		16.70		17.5	0.0
100	64QAM	1	1		16.59		17.5	0.0
100	256QAM	1	1		16.60		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.74	16.80	16.76	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.68	16.72	16.70	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.68	16.75	16.77	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.71	16.74	16.76	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.72	16.79	16.67	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.68	16.68	16.72	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.67	16.76	16.80	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.81	16.79	16.73	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.68	16.70	16.69	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.81	16.80	16.70	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.67	16.73	16.70	17.5	0.0

Part27O n78 Ant7 DSI3

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.22		20.5	0.0
100	PI/2 BPSK	1	137		19.08			
100	PI/2 BPSK	1	271		19.21			
100	PI/2 BPSK	135	0		19.04		20.5	0.0
100	PI/2 BPSK	135	69		19.13		20.5	0.0
100	PI/2 BPSK	135	138		19.15		20.5	0.0
100	PI/2 BPSK	270	0		19.06			
100	QPSK	1	1		19.28		20.5	0.0
100	QPSK	1	137		19.26			
100	QPSK	1	271		19.12			
100	QPSK	135	0		19.12		20.5	0.0
100	QPSK	135	69		19.24		20.5	0.0
100	QPSK	135	138		19.09		20.5	0.0
100	QPSK	270	0		19.11			
100	16QAM	1	1		18.99		20.5	0.0
100	64QAM	1	1		18.90		20.5	0.0
100	256QAM	1	1		19.08		20.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.18	18.95	18.99	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.09	19.03	19.07	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.08	19.00	18.94	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.12	19.14	18.99	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.04	19.09	19.08	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.09	19.05	19.09	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.99	19.01	19.04	20.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.20	19.09	19.13	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.07	19.13	19.00	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.16	19.02	19.14	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.10	19.06	19.12	20.5	0.0

Part27O n78 PC2 Ant7 DSI3

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.86			
100	PI/2 BPSK	1	137		21.73		23.5	0.0
100	PI/2 BPSK	1	271		21.63			
100	PI/2 BPSK	135	0		21.82		23.5	0.0
100	PI/2 BPSK	135	69		21.64		23.5	0.0
100	PI/2 BPSK	135	138		21.68		23.5	0.0
100	PI/2 BPSK	270	0		21.66			
100	QPSK	1	1		21.92			
100	QPSK	1	137		21.79		23.5	0.0
100	QPSK	1	271		21.77			
100	QPSK	135	0		21.73		23.5	0.0
100	QPSK	135	69		21.87		23.5	0.0
100	QPSK	135	138		21.75		23.5	0.0
100	QPSK	270	0		21.81			
100	16QAM	1	1		21.71		23.5	0.0
100	64QAM	1	1		21.65		23.5	0.0
100	256QAM	1	1		20.45		22.0	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.60	21.69	21.77	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.65	21.64	21.68	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.75	21.66	21.66	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.71	21.64	21.85	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.79	21.63	21.68	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.81	21.69	21.81	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.82	21.77	21.68	23.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	21.78	21.84	21.66	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.63	21.69	21.84	23.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	21.77	21.79	21.67	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.73	21.80	21.64	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.88			
100	PI/2 BPSK	1	137		19.76		20.5	0.0
100	PI/2 BPSK	1	271		19.69			
100	PI/2 BPSK	135	0		19.69		20.5	0.0
100	PI/2 BPSK	135	69		19.87		20.5	0.0
100	PI/2 BPSK	135	138		19.65		20.5	0.0
100	PI/2 BPSK	270	0		19.69			
100	QPSK	1	1		19.91			
100	QPSK	1	137		19.80		20.5	0.0
100	QPSK	1	271		19.78			
100	QPSK	135	0		19.75		20.5	0.0
100	QPSK	135	69		19.85		20.5	0.0
100	QPSK	135	138		19.60		20.5	0.0
100	QPSK	270	0		19.78			
100	16QAM	1	1		19.66		20.5	0.0
100	64QAM	1	1		19.64		20.5	0.0
100	256QAM	1	1		19.71		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.77	19.53	19.59	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.68	19.54	19.61	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.72	19.67	19.71	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.82	19.65	19.80	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.64	19.54	19.59	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.77	19.57	19.66	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.68	19.57	19.67	20.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.73	19.69	19.74	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.70	19.66	19.67	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.64	19.53	19.73	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.64	19.53	19.73	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.52			
100	PI/2 BPSK	1	137		22.44		23.5	0.0
100	PI/2 BPSK	1	271		22.33			
100	PI/2 BPSK	135	0		22.36		23.5	0.0
100	PI/2 BPSK	135	69		22.44		23.5	0.0
100	PI/2 BPSK	135	138		22.28		23.5	0.0
100	PI/2 BPSK	270	0		22.37			
100	QPSK	1	1		22.59			
100	QPSK	1	137		22.55		23.5	0.0
100	QPSK	1	271		22.55			
100	QPSK	135	0		22.38		23.5	0.0
100	QPSK	135	69		22.51		23.5	0.0
100	QPSK	135	138		22.37		23.5	0.0
100	QPSK	270	0		22.43			
100	16QAM	1	1		22.35		23.5	0.0
100	64QAM	1	1		22.40		23.5	0.0
100	256QAM	1	1		20.93		22.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.45	22.46	22.26	23.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.25	22.35	22.34	23.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.45	22.44	22.16	23.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.30	22.35	22.25	23.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.42	22.30	22.35	23.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.39	22.35	22.26	23.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.37	22.45	22.25	23.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.38	22.54	22.23	23.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.28	22.45	22.12	23.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.44	22.36	22.28	23.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.36	22.48	22.19	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	20.11	20.23	20.17	21.5	0.0
40	PI/2 BPSK	1	53	20.10	20.13	20.13		
40	PI/2 BPSK	1	104	20.04	20.19	20.08		
40	PI/2 BPSK	50	0	20.01	20.05	20.03	21.5	0.0
40	PI/2 BPSK	50	28	20.13	20.17	20.08	21.5	0.0
40	PI/2 BPSK	50	56	20.10	20.12	20.08	21.5	0.0
40	PI/2 BPSK	100	0	20.08	20.11	20.04		
40	QPSK	1	1	20.23	20.31	20.18	21.5	0.0
40	QPSK	1	53	20.14	20.21	20.08		
40	QPSK	1	104	19.99	20.18	20.01		
40	QPSK	50	0	20.00	20.09	19.99	21.5	0.0
40	QPSK	50	28	20.11	20.25	20.16	21.5	0.0
40	QPSK	50	56	20.00	20.07	20.02	21.5	0.0
40	QPSK	100	0	20.12	20.13	20.08		
40	16QAM	1	1	19.81	19.83	19.71	20.5	1.0
40	64QAM	1	1	18.27	18.27	18.23	20.0	1.5
40	256QAM	1	1	16.64	16.67	16.59	18.0	3.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.06	20.24	20.05	21.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.19	20.22	20.07	21.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.17	20.27	20.08	21.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.06	20.16	20.06	21.5	0.0

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BW [MHz]	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	17.11	17.32	17.26	18.5	0.0
100	PI/2 BPSK	1	137	17.10	17.27	17.20		
100	PI/2 BPSK	1	271	17.18	17.21	17.20		
100	PI/2 BPSK	135	0	17.08	17.32	17.26	18.5	0.0
100	PI/2 BPSK	135	69	17.12	17.31	17.16	18.5	0.0
100	PI/2 BPSK	135	138	17.21	17.31	17.19	18.5	0.0
100	PI/2 BPSK	270	0	17.12	17.22	17.22		
100	QPSK	1	1	17.29	17.34	17.28	18.5	0.0
100	QPSK	1	137	17.19	17.30	17.21		
100	QPSK	1	271	17.08	17.33	17.19		
100	QPSK	135	0	17.09	17.33	17.22	18.5	0.0
100	QPSK	135	69	17.10	17.28	17.27	18.5	0.0
100	QPSK	135	138	17.19	17.29	17.17	18.5	0.0
100	QPSK	270	0	17.21	17.28	17.20		
100	16QAM	1	1	17.09	17.25	17.24	18.5	0.0
100	64QAM	1	1	17.13	17.23	17.25	18.5	0.0
100	256QAM	1	1	17.09	17.26	17.17	18.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	17.16	17.26	17.15	18.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	17.17	17.32	17.15	18.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	17.11	17.32	17.15	18.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	17.12	17.28	17.19	18.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	17.20	17.23	17.26	18.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	17.17	17.29	17.17	18.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	17.16	17.33	17.26	18.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	17.09	17.26	17.20	18.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	17.22	17.26	17.25	18.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	17.16	17.33	17.28	18.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	17.20	17.27	17.23	18.5	0.0

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BW [MHz]	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	20.12	20.17	20.16	21.5	0.0
100	PI/2 BPSK	1	137	20.23	20.24	20.24		
100	PI/2 BPSK	1	271	20.16	20.16	20.24		
100	PI/2 BPSK	135	0	20.12	20.27	20.22	21.5	0.0
100	PI/2 BPSK	135	69	20.22	20.27	20.25	21.5	0.0
100	PI/2 BPSK	135	138	20.14	20.29	20.22	21.5	0.0
100	PI/2 BPSK	270	0	20.14	20.21	20.15		
100	QPSK	1	1	20.26	20.30	20.19	21.5	0.0
100	QPSK	1	137	20.14	20.25	20.23		
100	QPSK	1	271	20.23	20.22	20.15		
100	QPSK	135	0	20.11	20.24	20.23	21.5	0.0
100	QPSK	135	69	20.16	20.26	20.17	21.5	0.0
100	QPSK	135	138	20.17	20.18	20.15	21.5	0.0
100	QPSK	270	0	20.13	20.25	20.18		
100	16QAM	1	1	20.22	20.17	20.16	21.5	0.0
100	64QAM	1	1	20.21	20.28	20.24	21.5	0.0
100	256QAM	1	1	19.66	19.67	19.58	21.0	0.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.11	20.20	20.15	21.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.21	20.29	20.15	21.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.23	20.29	20.18	21.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.15	20.25	20.16	21.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.13	20.23	20.17	21.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.22	20.23	20.21	21.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.18	20.25	20.17	21.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.19	20.20	20.19	21.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.12	20.19	20.23	21.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.24	20.18	20.14	21.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.24	20.19	20.19	21.5	0.0

Part27Q n77 Ant8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.39			
100	PI/2 BPSK	1	137		17.37		18.5	0.0
100	PI/2 BPSK	1	271		17.47			
100	PI/2 BPSK	135	0		17.42		18.5	0.0
100	PI/2 BPSK	135	69		17.45		18.5	0.0
100	PI/2 BPSK	135	138		17.49		18.5	0.0
100	PI/2 BPSK	270	0		17.41			
100	QPSK	1	1		17.50			
100	QPSK	1	137		17.46		18.5	0.0
100	QPSK	1	271		17.49			
100	QPSK	135	0		17.45		18.5	0.0
100	QPSK	135	69		17.49		18.5	0.0
100	QPSK	135	138		17.37			
100	QPSK	270	0		17.43			
100	16QAM	1	1		17.49		18.5	0.0
100	64QAM	1	1		17.40		18.5	0.0
100	256QAM	1	1		17.41		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.36	17.44	17.44	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.44	17.47	17.39	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.44	17.39	17.38	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.37	17.37	17.37	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.44	17.42	17.42	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.38	17.41	17.39	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.38	17.37	17.39	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.38	17.38	17.39	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.46	17.40	17.48	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.41	17.39	17.46	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.38	17.36	17.43	18.5	0.0

Part27Q n77 PC2 Ant8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.33			
100	PI/2 BPSK	1	137		20.31		21.5	0.0
100	PI/2 BPSK	1	271		20.36			
100	PI/2 BPSK	135	0		20.38		21.5	0.0
100	PI/2 BPSK	135	69		20.35		21.5	0.0
100	PI/2 BPSK	135	138		20.32		21.5	0.0
100	PI/2 BPSK	270	0		20.29			
100	QPSK	1	1		20.40			
100	QPSK	1	137		20.30		21.5	0.0
100	QPSK	1	271		20.37			
100	QPSK	135	0		20.37		21.5	0.0
100	QPSK	135	69		20.38		21.5	0.0
100	QPSK	135	138		20.28		21.5	0.0
100	QPSK	270	0		20.36			
100	16QAM	1	1		20.34		21.5	0.0
100	64QAM	1	1		20.36		21.5	0.0
100	256QAM	1	1		19.66		21.0	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.31	20.28	20.36	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.26	20.27	20.31	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.30	20.30	20.36	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.39	20.39	20.30	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.39	20.31	20.31	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.28	20.39	20.35	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.39	20.39	20.37	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.39	20.32	20.30	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.38	20.35	20.26	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.33	20.35	20.30	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.36	20.37	20.36	21.5	0.0

Part27O n78 Ant8 ECI3

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.97			
100	PI/2 BPSK	1	137		17.94		19.0	0.0
100	PI/2 BPSK	1	271		18.01			
100	PI/2 BPSK	135	0		17.94		19.0	0.0
100	PI/2 BPSK	135	69		18.01		19.0	0.0
100	PI/2 BPSK	135	138		17.93		19.0	0.0
100	PI/2 BPSK	270	0		18.01			
100	QPSK	1	1		18.03			
100	QPSK	1	137		17.96		19.0	0.0
100	QPSK	1	271		17.92			
100	QPSK	135	0		17.99		19.0	0.0
100	QPSK	135	69		18.01		19.0	0.0
100	QPSK	135	138		17.96		19.0	0.0
100	QPSK	270	0		17.97			
100	16QAM	1	1		17.92		19.0	0.0
100	64QAM	1	1		18.00		19.0	0.0
100	256QAM	1	1		17.91		19.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.95	17.92	17.94	19.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.94	17.91	17.98	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.90	17.99	18.00	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.91	18.02	17.98	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.01	17.96	17.93	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.02	17.90	17.98	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.93	17.98	17.92	19.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.95	18.01	17.91	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.02	18.01	17.89	19.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.90	17.92	17.94	19.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.90	17.96	18.02	19.0	0.0

Part27O n78 PC2 Ant8 ECI3

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.62		22.0	0.0
100	PI/2 BPSK	1	137		20.66			
100	PI/2 BPSK	1	271		20.63			
100	PI/2 BPSK	135	0		20.63		22.0	0.0
100	PI/2 BPSK	135	69		20.61		22.0	0.0
100	PI/2 BPSK	135	138		20.70		22.0	0.0
100	PI/2 BPSK	270	0		20.66			
100	QPSK	1	1		20.72		22.0	0.0
100	QPSK	1	137		20.65			
100	QPSK	1	271		20.57			
100	QPSK	135	0		20.57		22.0	0.0
100	QPSK	135	69		20.71		22.0	0.0
100	QPSK	135	138		20.63		22.0	0.0
100	QPSK	270	0		20.70			
100	16QAM	1	1		20.66		22.0	0.0
100	64QAM	1	1		20.58		22.0	0.0
100	256QAM	1	1		20.64		22.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.66	20.57	20.70	22.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.64	20.69	20.70	22.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.59	20.64	20.65	22.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.68	20.65	20.70	22.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.67	20.68	20.58	22.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.68	20.59	20.70	22.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.64	20.58	20.62	22.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.61	20.61	20.66	22.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.68	20.68	20.63	22.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.58	20.69	20.59	22.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.66	20.63	20.68	22.0	0.0

Part27Q n78 Ant8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.04		19.0	0.0
100	PI/2 BPSK	1	137		18.04			
100	PI/2 BPSK	1	271		17.97			
100	PI/2 BPSK	135	0		18.03		19.0	0.0
100	PI/2 BPSK	135	69		17.97		19.0	0.0
100	PI/2 BPSK	135	138		18.07		19.0	0.0
100	PI/2 BPSK	270	0		17.96			
100	QPSK	1	1		18.10		19.0	0.0
100	QPSK	1	137		18.05			
100	QPSK	1	271		18.00			
100	QPSK	135	0		18.08		19.0	0.0
100	QPSK	135	69		18.09		19.0	0.0
100	QPSK	135	138		18.02		19.0	0.0
100	QPSK	270	0		18.05			
100	16QAM	1	1		17.98		19.0	0.0
100	64QAM	1	1		18.04		19.0	0.0
100	256QAM	1	1		18.01		19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.99	18.02	17.97	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.97	18.00	18.08	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.00	17.99	17.98	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.03	18.02	17.97	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.01	17.96	18.07	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.98	18.08	18.00	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.06	18.05	18.01	19.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.07	18.04	18.00	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.07	18.00	18.04	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.05	17.99	17.99	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.02	18.03	18.00	19.0	0.0

Part27Q n78 PC2 Ant8 ECI3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.89		22.0	0.0
100	PI/2 BPSK	1	137		20.82			
100	PI/2 BPSK	1	271		20.89			
100	PI/2 BPSK	135	0		20.83		22.0	0.0
100	PI/2 BPSK	135	69		20.79		22.0	0.0
100	PI/2 BPSK	135	138		20.87		22.0	0.0
100	PI/2 BPSK	270	0		20.88			
100	QPSK	1	1		20.91		22.0	0.0
100	QPSK	1	137		20.86			
100	QPSK	1	271		20.89			
100	QPSK	135	0		20.82		22.0	0.0
100	QPSK	135	69		20.88		22.0	0.0
100	QPSK	135	138		20.86		22.0	0.0
100	QPSK	270	0		20.82			
100	16QAM	1	1		20.79		22.0	0.0
100	64QAM	1	1		20.90		22.0	0.0
100	256QAM	1	1		20.78		22.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.79	20.83	20.84	22.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.88	20.80	20.81	22.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.86	20.80	20.86	22.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.87	20.85	20.85	22.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.85	20.80	20.84	22.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.84	20.84	20.89	22.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.87	20.90	20.90	22.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.82	20.81	20.86	22.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.90	20.82	20.81	22.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.85	20.81	20.87	22.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.78	20.80	20.85	22.0	0.0

Reduced Power Mode for ECI4

n5 Ant0 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.26	25.33	25.23	25.7	0.0
20	PI/2 BPSK	1	53	25.22	25.31	25.22		
20	PI/2 BPSK	1	104	25.22	25.26	25.21		
20	PI/2 BPSK	50	0	24.64	24.72	24.64	25.2	0.5
20	PI/2 BPSK	50	28	25.16	25.29	25.26	25.7	0.0
20	PI/2 BPSK	50	56	24.63	24.74	24.67	25.2	0.5
20	PI/2 BPSK	100	0	24.64	24.78	24.73		
20	QPSK	1	1	25.32	25.41	25.28	25.7	0.0
20	QPSK	1	53	25.23	25.35	25.24		
20	QPSK	1	104	25.09	25.23	25.18		
20	QPSK	50	0	24.18	24.22	24.17	24.7	1.0
20	QPSK	50	28	25.21	25.27	25.23	25.7	0.0
20	QPSK	50	56	24.09	24.17	24.05	24.7	1.0
20	QPSK	100	0	24.22	24.29	24.24		
20	16QAM	1	1	23.97	24.02	23.99	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.79	20.85	20.73	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.25	25.29	25.19	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.20	25.30	25.21	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.18	25.33	25.22	25.7	0.0

n2 Ant1 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	24.60	24.66	24.56	25.5	0.0
40	PI/2 BPSK	1	108	24.41	24.54	24.36		
40	PI/2 BPSK	1	214	24.41	24.51	24.34		
40	PI/2 BPSK	108	0	24.48	24.51	24.33	25.0	0.5
40	PI/2 BPSK	108	54	24.65	24.71	24.58	25.5	0.0
40	PI/2 BPSK	108	108	24.07	24.12	23.98	25.0	0.5
40	PI/2 BPSK	216	0	24.07	24.16	24.03		
40	QPSK	1	1	24.66	24.72	24.64	25.5	0.0
40	QPSK	1	108	24.44	24.54	24.36		
40	QPSK	1	214	24.62	24.56	24.60		
40	QPSK	108	0	23.51	23.57	23.51	24.5	1.0
40	QPSK	108	54	24.59	24.67	24.65	25.5	0.0
40	QPSK	108	108	23.59	23.56	23.54	24.5	1.0
40	QPSK	216	0	23.60	23.66	23.47		
40	16QAM	1	1	23.56	23.64	23.49	24.5	1.0
40	64QAM	1	1	22.10	22.10	22.00	23.0	2.5
40	256QAM	1	1	20.02	20.14	20.03	21.0	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	24.52	24.63	24.55	25.5	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	24.53	24.60	24.51	25.5	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	24.54	24.65	24.59	25.5	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	24.62	24.62	24.60	25.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.58	24.59	24.61	25.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	24.58	24.66	24.60	25.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.60	24.58	24.61	25.5	0.0

n5 Ant1 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.74	24.82	24.78	25.7	0.0
20	PI/2 BPSK	1	53	24.81	24.83	24.70		
20	PI/2 BPSK	1	104	24.75	24.82	24.70		
20	PI/2 BPSK	50	0	24.17	24.22	24.21	25.2	0.5
20	PI/2 BPSK	50	28	24.70	24.80	24.74	25.7	0.0
20	PI/2 BPSK	50	56	24.18	24.25	24.19	25.2	0.5
20	PI/2 BPSK	100	0	24.15	24.28	24.28		
20	QPSK	1	1	24.87	24.91	24.85	25.7	0.0
20	QPSK	1	53	24.72	24.88	24.78		
20	QPSK	1	104	24.68	24.70	24.68		
20	QPSK	50	0	23.70	23.79	23.69	24.7	1.0
20	QPSK	50	28	24.79	24.83	24.72	25.7	0.0
20	QPSK	50	56	23.57	23.70	23.59	24.7	1.0
20	QPSK	100	0	23.71	23.82	23.80		
20	16QAM	1	1	23.52	23.55	23.48	24.7	1.0
20	64QAM	1	1	21.92	22.01	21.88	23.2	2.5
20	256QAM	1	1	20.26	20.33	20.32	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.72	24.79	24.78	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.80	24.85	24.82	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.77	24.83	24.74	25.7	0.0

n7 Ant1 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.97	25.05	24.99	25.7	0.0
50	PI/2 BPSK	1	135	25.01	25.02	24.88		
50	PI/2 BPSK	1	268	25.02	25.04	24.93		
50	PI/2 BPSK	135	0	24.33	24.46	24.33	25.2	0.5
50	PI/2 BPSK	135	68	24.89	25.08	25.04	25.7	0.0
50	PI/2 BPSK	135	135	24.41	24.47	24.36	25.2	0.5
50	PI/2 BPSK	270	0	24.38	24.50	24.44		
50	QPSK	1	1	25.06	25.11	25.03	25.7	0.0
50	QPSK	1	135	25.03	25.05	24.97		
50	QPSK	1	268	24.87	24.96	24.95		
50	QPSK	135	0	23.97	23.91	23.93	24.7	1.0
50	QPSK	135	68	24.95	25.01	24.96	25.7	0.0
50	QPSK	135	135	23.84	23.97	23.85	24.7	1.0
50	QPSK	270	0	23.97	24.08	23.97		
50	16QAM	1	1	23.68	23.75	23.73	24.7	1.0
50	64QAM	1	1	22.13	22.14	22.13	23.2	2.5
50	256QAM	1	1	20.49	20.62	20.43	21.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.98	25.06	24.96	25.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	25.01	25.01	24.95	25.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.92	25.02	24.91	25.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.96	25.06	24.95	25.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	25.02	24.97	24.98	25.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.97	25.07	24.96	25.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.98	24.99	24.94	25.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.92	25.05	24.93	25.7	0.0

n38 Ant1 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.29	25.34	25.27	25.7	0.0
40	PI/2 BPSK	1	53	25.22	25.27	25.22		
40	PI/2 BPSK	1	104	25.29	25.30	25.19		
40	PI/2 BPSK	50	0	24.66	24.74	24.67	25.2	0.5
40	PI/2 BPSK	50	28	25.19	25.30	25.23	25.7	0.0
40	PI/2 BPSK	50	56	24.62	24.81	24.65	25.2	0.5
40	PI/2 BPSK	100	0	24.68	24.77	24.74		
40	QPSK	1	1	25.35	25.41	25.29	25.7	0.0
40	QPSK	1	53	25.27	25.31	25.21		
40	QPSK	1	104	25.11	25.24	25.24		
40	QPSK	50	0	24.15	24.23	24.21	24.7	1.0
40	QPSK	50	28	25.22	25.36	25.28	25.7	0.0
40	QPSK	50	56	24.21	24.26	24.20	24.7	1.0
40	QPSK	100	0	24.27	24.33	24.22		
40	16QAM	1	1	23.95	24.04	23.95	24.7	1.0
40	64QAM	1	1	22.44	22.45	22.34	23.2	2.5
40	256QAM	1	1	20.80	20.82	20.77	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	25.37	25.42	25.20	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	25.37	25.32	25.24	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.31	25.40	25.26	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	25.36	25.39	25.29	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	25.33	25.36	25.21	25.7	0.0

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BW [MHz]	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	22.46	22.52	22.40	23.0	0.0
100	PI/2 BPSK	1	137	22.46	22.49	22.44		
100	PI/2 BPSK	1	271	22.40	22.45	22.39		
100	PI/2 BPSK	135	0	22.32	22.40	22.27	23.0	0.0
100	PI/2 BPSK	135	69	22.37	22.50	22.39	23.0	0.0
100	PI/2 BPSK	135	138	22.37	22.42	22.33	23.0	0.0
100	PI/2 BPSK	270	0	22.34	22.46	22.32		
100	QPSK	1	1	22.51	22.56	22.49	23.0	0.0
100	QPSK	1	137	22.39	22.51	22.40		
100	QPSK	1	271	22.34	22.46	22.37		
100	QPSK	135	0	22.34	22.44	22.30	23.0	0.0
100	QPSK	135	69	22.42	22.53	22.46	23.0	0.0
100	QPSK	135	138	22.35	22.46	22.42	23.0	0.0
100	QPSK	270	0	22.41	22.50	22.39		
100	16QAM	1	1	22.36	22.39	22.27	23.0	0.0
100	64QAM	1	1	22.25	22.35	22.31	23.0	0.0
100	256QAM	1	1	21.41	21.27	21.39	21.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.46	22.48	22.40	23.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.45	22.49	22.37	23.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.40	22.42	22.37	23.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.40	22.47	22.38	23.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.44	22.48	22.35	23.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.44	22.41	22.42	23.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.41	22.45	22.41	23.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.44	22.52	22.35	23.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.43	22.48	22.38	23.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.42	22.50	22.39	23.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.46	22.44	22.41	23.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.40	22.45	22.43	23.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.42	22.53	22.40	23.0	0.0

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BW [MHz]	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	25.68	25.72	25.60	26.0	0.0
100	PI/2 BPSK	1	137	25.63	25.68	25.56		
100	PI/2 BPSK	1	271	25.48	25.59	25.55		
100	PI/2 BPSK	135	0	24.98	25.02	24.88	25.5	0.5
100	PI/2 BPSK	135	69	25.63	25.68	25.53	26.0	0.0
100	PI/2 BPSK	135	138	24.82	24.89	24.85	25.5	0.5
100	PI/2 BPSK	270	0	24.89	24.93	24.89		
100	QPSK	1	1	25.72	25.76	25.66	26.0	0.0
100	QPSK	1	137	25.57	25.70	25.66		
100	QPSK	1	271	25.51	25.63	25.55		
100	QPSK	135	0	24.45	24.60	24.46	25.0	1.0
100	QPSK	135	69	25.59	25.71	25.59	26.0	0.0
100	QPSK	135	138	24.52	24.57	24.52	25.0	1.0
100	QPSK	270	0	24.59	24.64	24.60		
100	16QAM	1	1	24.37	24.51	24.47	25.0	1.0
100	64QAM	1	1	23.05	23.09	23.05	23.5	2.5
100	256QAM	1	1	20.62	20.75	20.62	21.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.64	25.61	25.62	26.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.57	25.62	25.53	26.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.63	25.63	25.59	26.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.58	25.63	25.54	26.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.63	25.71	25.56	26.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	25.67	25.62	25.55	26.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.59	25.69	25.62	26.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	25.66	25.64	25.55	26.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.69	25.71	25.56	26.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	25.58	25.65	25.54	26.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.58	25.63	25.61	26.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.66	25.72	25.62	26.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.59	25.62	25.57	26.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	24.91	24.99	24.92	25.7	0.0
50	PI/2 BPSK	1	135	24.92	24.96	24.84		
50	PI/2 BPSK	1	268	24.87	24.92	24.81		
50	PI/2 BPSK	135	0	24.34	24.39	24.30	25.2	0.5
50	PI/2 BPSK	135	68	24.85	24.89	24.78	25.7	0.0
50	PI/2 BPSK	135	135	24.23	24.31	24.28	25.2	0.5
50	PI/2 BPSK	270	0	24.40	24.44	24.41		
50	QPSK	1	1	24.97	25.05	25.00	25.7	0.0
50	QPSK	1	135	24.99	25.03	24.96		
50	QPSK	1	268	24.78	24.90	24.86		
50	QPSK	135	0	23.79	23.84	23.79	24.7	1.0
50	QPSK	135	68	24.90	25.00	24.95	25.7	0.0
50	QPSK	135	135	23.71	23.82	23.77	24.7	1.0
50	QPSK	270	0	23.84	23.88	23.84		
50	16QAM	1	1	23.61	23.68	23.58	24.7	1.0
50	64QAM	1	1	22.00	22.11	21.98	23.2	2.5
50	256QAM	1	1	20.38	20.46	20.41	21.2	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	24.90	24.94	24.92	25.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	24.89	24.97	24.97	25.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	24.89	25.02	24.86	25.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	24.90	24.92	24.96	25.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	24.85	24.94	24.92	25.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	24.87	24.95	24.94	25.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	24.89	25.00	24.91	25.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	24.88	24.98	24.94	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.12	25.17	25.10	25.7	0.0
40	PI/2 BPSK	1	53	25.09	25.12	25.13		
40	PI/2 BPSK	1	104	24.03	25.17	25.16		
40	PI/2 BPSK	50	0	24.63	24.66	24.61	25.2	0.5
40	PI/2 BPSK	50	28	25.06	25.05	24.94	25.7	0.0
40	PI/2 BPSK	50	56	24.58	24.68	24.64	25.2	0.5
40	PI/2 BPSK	100	0	24.60	24.71	24.69		
40	QPSK	1	1	25.20	25.23	25.15	25.7	0.0
40	QPSK	1	53	25.11	25.14	25.08		
40	QPSK	1	104	25.16	25.10	25.07		
40	QPSK	50	0	24.14	24.15	24.14	24.7	1.0
40	QPSK	50	28	25.02	25.14	25.05	25.7	0.0
40	QPSK	50	56	24.12	24.16	24.13	24.7	1.0
40	QPSK	100	0	24.20	24.23	24.15		
40	16QAM	1	1	24.13	24.19	24.11	24.7	1.0
40	64QAM	1	1	22.70	22.71	22.61	23.2	2.5
40	256QAM	1	1	20.67	20.78	20.79	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	25.16	25.20	25.07	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	25.12	25.16	25.03	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.06	25.13	25.06	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	25.12	25.10	25.02	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	25.07	25.18	25.01	25.7	0.0

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BW [MHz]	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	22.28	22.40	22.23	23.5	0.0
100	PI/2 BPSK	1	137	22.28	22.31	22.30		
100	PI/2 BPSK	1	271	22.26	22.34	22.19		
100	PI/2 BPSK	135	0	22.11	22.19	22.14	23.5	0.0
100	PI/2 BPSK	135	69	22.25	22.29	22.29	23.5	0.0
100	PI/2 BPSK	135	138	22.20	22.31	22.16	23.5	0.0
100	PI/2 BPSK	270	0	22.18	22.35	22.17		
100	QPSK	1	1	22.37	22.42	22.31	23.5	0.0
100	QPSK	1	137	22.21	22.35	22.27		
100	QPSK	1	271	22.12	22.32	22.26		
100	QPSK	135	0	22.16	22.33	22.14	23.5	0.0
100	QPSK	135	69	22.21	22.39	22.31	23.5	0.0
100	QPSK	135	138	22.18	22.31	22.29	23.5	0.0
100	QPSK	270	0	22.29	22.36	22.19		
100	16QAM	1	1	22.22	22.29	22.12	23.5	0.0
100	64QAM	1	1	22.11	22.15	22.16	23.5	0.0
100	256QAM	1	1	21.29	21.37	21.25	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.33	22.37	22.23	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.27	22.34	22.25	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.32	22.39	22.27	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.27	22.30	22.21	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.34	22.38	22.18	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	22.23	22.29	22.17	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.23	22.29	22.21	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	22.26	22.38	22.19	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.24	22.32	22.22	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	22.25	22.29	22.17	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.26	22.37	22.18	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.25	22.28	22.21	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.29	22.36	22.23	23.5	0.0

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BW [MHz]	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	25.30	25.39	25.35	26.5	0.0
100	PI/2 BPSK	1	137	25.26	25.37	25.28		
100	PI/2 BPSK	1	271	25.16	25.30	25.17		
100	PI/2 BPSK	135	0	24.65	24.70	24.57	26.0	0.5
100	PI/2 BPSK	135	69	25.32	25.39	25.33	26.5	0.0
100	PI/2 BPSK	135	138	24.50	24.62	24.57	26.0	0.5
100	PI/2 BPSK	270	0	24.52	24.57	24.46		
100	QPSK	1	1	25.35	25.45	25.41	26.5	0.0
100	QPSK	1	137	25.33	25.36	25.29		
100	QPSK	1	271	25.16	25.29	25.17		
100	QPSK	135	0	24.25	24.34	24.28	25.5	1.0
100	QPSK	135	69	25.28	25.36	25.22	26.5	0.0
100	QPSK	135	138	24.21	24.28	24.16	25.5	1.0
100	QPSK	270	0	24.20	24.30	24.16		
100	16QAM	1	1	24.05	24.16	24.11	25.5	1.0
100	64QAM	1	1	22.69	22.77	22.71	24.0	2.5
100	256QAM	1	1	20.36	20.46	20.39	22.0	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.24	25.32	25.38	26.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.21	25.38	25.28	26.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.26	25.35	25.34	26.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.21	25.36	25.34	26.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.25	25.33	25.34	26.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	25.21	25.41	25.33	26.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.23	25.39	25.37	26.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	25.23	25.32	25.33	26.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.31	25.34	25.32	26.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	25.22	25.36	25.31	26.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.25	25.33	25.37	26.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	25.30	25.31	25.34	26.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	25.29	25.40	25.31	26.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	25.53	25.59	25.52	25.7	0.0
40	PI/2 BPSK	1	53	25.46	25.54	25.40		
40	PI/2 BPSK	1	104	25.41	25.50	25.40		
40	PI/2 BPSK	50	0	24.96	25.06	24.97	25.2	0.5
40	PI/2 BPSK	50	28	25.47	25.52	25.42	25.7	0.0
40	PI/2 BPSK	50	56	24.97	25.03	24.94	25.2	0.5
40	PI/2 BPSK	100	0	24.88	25.00	24.91		
40	QPSK	1	1	25.60	25.65	25.58	25.7	0.0
40	QPSK	1	53	25.50	25.58	25.49		
40	QPSK	1	104	25.38	25.50	25.42		
40	QPSK	50	0	24.40	24.48	24.41	24.7	1.0
40	QPSK	50	28	25.45	25.56	25.50	25.7	0.0
40	QPSK	50	56	24.36	24.49	24.36	24.7	1.0
40	QPSK	100	0	24.47	24.52	24.46		
40	16QAM	1	1	24.18	24.30	24.16	24.7	1.0
40	64QAM	1	1	22.67	22.79	22.68	23.2	2.5
40	256QAM	1	1	20.95	21.09	21.04	21.2	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	25.63	25.63	25.60	25.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	25.61	25.64	25.64	25.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	25.57	25.60	25.61	25.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	25.62	25.61	25.56	25.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	25.56	25.62	25.60	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	23.23	23.28	23.14	24.0	0.0
100	PI/2 BPSK	1	137	23.19	23.30	23.18		
100	PI/2 BPSK	1	271	23.13	23.22	23.10		
100	PI/2 BPSK	135	0	23.16	23.22	23.17	24.0	0.0
100	PI/2 BPSK	135	69	23.27	23.35	23.24	24.0	0.0
100	PI/2 BPSK	135	138	23.14	23.26	23.21	24.0	0.0
100	PI/2 BPSK	270	0	23.13	23.22	23.14		
100	QPSK	1	1	23.35	23.42	23.33	24.0	0.0
100	QPSK	1	137	23.16	23.26	23.14		
100	QPSK	1	271	23.14	23.26	23.20		
100	QPSK	135	0	23.18	23.21	23.11	24.0	0.0
100	QPSK	135	69	23.26	23.38	23.33	24.0	0.0
100	QPSK	135	138	23.28	23.32	23.27	24.0	0.0
100	QPSK	270	0	23.24	23.28	23.21		
100	16QAM	1	1	23.19	23.22	23.19	24.0	0.0
100	64QAM	1	1	23.13	23.17	23.12	24.0	0.0
100	256QAM	1	1	22.12	22.26	22.23	22.5	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	23.24	23.28	23.22	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	23.27	23.34	23.19	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	23.29	23.36	23.23	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	23.31	23.30	23.22	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	23.23	23.34	23.22	24.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	23.23	23.32	23.30	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	23.25	23.35	23.22	24.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	23.21	23.34	23.28	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	23.30	23.37	23.25	24.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	23.29	23.28	23.28	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	23.22	23.36	23.23	24.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	23.28	23.29	23.30	24.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	23.24	23.31	23.30	24.0	0.0

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BW [MHz]	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	26.29	26.42	26.31	27.0	0.0
100	PI/2 BPSK	1	137	26.29	26.38	26.30		
100	PI/2 BPSK	1	271	26.16	26.24	26.19		
100	PI/2 BPSK	135	0	25.62	25.72	25.64	26.5	0.5
100	PI/2 BPSK	135	69	26.30	26.39	26.29	27.0	0.0
100	PI/2 BPSK	135	138	25.55	25.62	25.57	26.5	0.5
100	PI/2 BPSK	270	0	25.62	25.66	25.53		
100	QPSK	1	1	26.36	26.47	26.43	27.0	0.0
100	QPSK	1	137	26.35	26.42	26.37		
100	QPSK	1	271	26.23	26.29	26.15		
100	QPSK	135	0	25.13	25.27	25.21	26.0	1.0
100	QPSK	135	69	26.36	26.40	26.36	27.0	0.0
100	QPSK	135	138	25.17	25.30	25.16	26.0	1.0
100	QPSK	270	0	25.31	25.37	25.28		
100	16QAM	1	1	25.20	25.27	25.14	26.0	1.0
100	64QAM	1	1	23.66	23.78	23.64	24.5	2.5
100	256QAM	1	1	21.32	21.46	21.31	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	26.24	26.35	26.36	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	26.29	26.42	26.34	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	26.28	26.35	26.35	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	26.28	26.38	26.35	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	26.25	26.43	26.29	27.0	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	26.27	26.40	26.32	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	26.23	26.33	26.35	27.0	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	26.27	26.36	26.37	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	26.32	26.37	26.38	27.0	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	26.25	26.44	26.40	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	26.27	26.40	26.39	27.0	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	26.32	26.38	26.38	27.0	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	26.27	26.39	26.38	27.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	24.50	24.59	24.47	25.7	0.0
40	PI/2 BPSK	1	108	24.44	24.51	24.43		
40	PI/2 BPSK	1	214	24.41	24.52	24.44		
40	PI/2 BPSK	108	0	23.94	24.02	23.97	25.2	0.5
40	PI/2 BPSK	108	54	24.43	24.52	24.45	25.7	0.0
40	PI/2 BPSK	108	108	23.93	24.05	23.97	25.2	0.5
40	PI/2 BPSK	216	0	23.95	24.05	23.96		
40	QPSK	1	1	24.52	24.60	24.54	25.7	0.0
40	QPSK	1	108	24.42	24.46	24.43		
40	QPSK	1	214	24.41	24.51	24.42		
40	QPSK	108	0	23.45	23.50	23.43	24.7	1.0
40	QPSK	108	54	24.42	24.47	24.44	25.7	0.0
40	QPSK	108	108	23.32	23.37	23.42	24.7	1.0
40	QPSK	216	0	23.44	23.51	23.42		
40	16QAM	1	1	23.41	23.49	23.45	24.7	1.0
40	64QAM	1	1	21.99	22.11	22.06	23.2	2.5
40	256QAM	1	1	20.03	20.12	20.00	21.2	4.5
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	24.39	24.46	24.40	25.7	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	24.43	24.52	24.46	25.7	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	24.41	24.49	24.43	25.7	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	24.41	24.51	24.44	25.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.39	24.46	24.45	25.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	24.39	24.41	24.35	25.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	24.45	24.43	24.42	25.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.71	20.90	20.84	21.7	0.0
50	PI/2 BPSK	1	135	20.65	20.75	20.69		
50	PI/2 BPSK	1	268	20.44	20.65	20.69		
50	PI/2 BPSK	135	0	20.66	20.70	20.58	21.7	0.0
50	PI/2 BPSK	135	68	20.71	20.89	20.76	21.7	0.0
50	PI/2 BPSK	135	135	20.63	20.63	20.57	21.7	0.0
50	PI/2 BPSK	270	0	20.52	20.66	20.51		
50	QPSK	1	1	20.88	20.93	20.86	21.7	0.0
50	QPSK	1	135	20.50	20.73	20.64		
50	QPSK	1	268	20.62	20.77	20.92		
50	QPSK	135	0	20.60	20.69	20.75	21.7	0.0
50	QPSK	135	68	20.80	20.84	20.73	21.7	0.0
50	QPSK	135	135	20.64	20.65	20.43	21.7	0.0
50	QPSK	270	0	20.76	20.81	20.75		
50	16QAM	1	1	20.42	20.75	20.65	21.7	0.0
50	64QAM	1	1	20.42	20.66	20.69	21.7	0.0
50	256QAM	1	1	20.36	20.41	20.32	21.2	0.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.79	20.90	20.72	21.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.74	20.86	20.73	21.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.74	20.85	20.80	21.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.81	20.80	20.70	21.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.80	20.82	20.76	21.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.72	20.77	20.77	21.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.78	20.81	20.72	21.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.75	20.89	20.74	21.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	21.52	21.54	21.58	22.2	0.0
40	PI/2 BPSK	1	53	21.25	21.55	21.33		
40	PI/2 BPSK	1	104	21.29	21.29	21.24		
40	PI/2 BPSK	50	0	21.31	21.42	21.48	22.2	0.0
40	PI/2 BPSK	50	28	21.33	21.43	21.36	22.2	0.0
40	PI/2 BPSK	50	56	21.27	21.36	21.18	22.2	0.0
40	PI/2 BPSK	100	0	21.32	21.43	21.18		
40	QPSK	1	1	21.57	21.61	21.52	22.2	0.0
40	QPSK	1	53	21.40	21.52	21.43		
40	QPSK	1	104	21.44	21.46	21.39		
40	QPSK	50	0	21.24	21.38	21.33	22.2	0.0
40	QPSK	50	28	21.54	21.58	21.45	22.2	0.0
40	QPSK	50	56	21.25	21.40	21.25	22.2	0.0
40	QPSK	100	0	21.54	21.55	21.49		
40	16QAM	1	1	21.22	21.28	21.38	22.2	0.0
40	64QAM	1	1	21.12	21.29	21.17	22.2	0.0
40	256QAM	1	1	20.51	20.56	20.48	21.2	1.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	21.35	21.52	21.39	22.2	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	21.49	21.47	21.40	22.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	21.41	21.56	21.47	22.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	21.54	21.47	21.46	22.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	21.45	21.45	21.55	22.2	0.0

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BW [MHz]	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	18.88	18.91	18.90	20.5	0.0
100	PI/2 BPSK	1	137	18.86	18.85	18.91		
100	PI/2 BPSK	1	271	18.73	19.01	18.81		
100	PI/2 BPSK	135	0	18.88	18.93	18.77	20.5	0.0
100	PI/2 BPSK	135	69	18.88	18.86	18.84	20.5	0.0
100	PI/2 BPSK	135	138	18.92	18.95	18.83	20.5	0.0
100	PI/2 BPSK	270	0	18.85	18.96	18.77		
100	QPSK	1	1	19.05	19.09	18.92	20.5	0.0
100	QPSK	1	137	18.81	18.90	18.78		
100	QPSK	1	271	18.88	18.97	18.84		
100	QPSK	135	0	18.70	18.79	18.90	20.5	0.0
100	QPSK	135	69	19.01	19.05	18.98	20.5	0.0
100	QPSK	135	138	18.64	18.82	18.68	20.5	0.0
100	QPSK	270	0	18.83	18.95	18.75		
100	16QAM	1	1	18.66	18.75	18.88	20.5	0.0
100	64QAM	1	1	18.56	18.76	18.77	20.5	0.0
100	256QAM	1	1	18.84	18.89	18.76	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.92	19.03	18.87	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.91	18.93	18.96	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.90	19.08	18.83	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.02	19.08	18.88	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.08	18.96	18.74	20.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.05	19.08	18.81	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.88	18.96	18.81	20.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.95	19.01	18.88	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.95	18.97	18.83	20.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.87	18.94	18.92	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.86	19.01	18.86	20.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.02	18.94	18.96	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.91	19.03	18.80	20.5	0.0

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BW [MHz]	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	22.07	22.12	22.02	23.5	0.0
100	PI/2 BPSK	1	137	21.85	21.97	21.90		
100	PI/2 BPSK	1	271	21.86	21.89	21.76		
100	PI/2 BPSK	135	0	21.76	22.07	21.97	23.5	0.0
100	PI/2 BPSK	135	69	21.82	21.96	22.03	23.5	0.0
100	PI/2 BPSK	135	138	21.79	21.75	21.73	23.5	0.0
100	PI/2 BPSK	270	0	21.84	21.99	21.72		
100	QPSK	1	1	22.09	22.14	22.04	23.5	0.0
100	QPSK	1	137	21.74	21.99	21.78		
100	QPSK	1	271	21.92	21.94	21.89		
100	QPSK	135	0	21.69	21.80	21.82	23.5	0.0
100	QPSK	135	69	21.92	22.07	22.03	23.5	0.0
100	QPSK	135	138	21.88	21.98	21.91	23.5	0.0
100	QPSK	270	0	22.01	22.03	21.98		
100	16QAM	1	1	21.73	21.83	21.87	23.5	0.0
100	64QAM	1	1	21.65	21.76	21.77	23.5	0.0
100	256QAM	1	1	20.12	20.21	20.16	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.95	22.07	21.88	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.07	22.02	21.86	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.97	21.97	21.82	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.97	21.96	22.03	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.97	22.11	21.93	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.94	22.04	21.87	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.06	22.00	21.92	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.94	21.96	22.01	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.01	22.10	22.05	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.98	22.06	21.86	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.00	21.93	21.83	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.07	22.01	21.95	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.01	22.02	22.01	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	23.17	23.24	23.19	24.0	0.0
40	PI/2 BPSK	1	53	23.13	23.19	23.07		
40	PI/2 BPSK	1	104	23.06	23.17	23.04		
40	PI/2 BPSK	50	0	22.53	22.58	22.51	23.5	0.5
40	PI/2 BPSK	50	28	23.05	23.19	23.04	24.0	0.0
40	PI/2 BPSK	50	56	22.51	22.57	22.48	23.5	0.5
40	PI/2 BPSK	100	0	22.59	22.69	22.64		
40	QPSK	1	1	23.22	23.28	23.21	24.0	0.0
40	QPSK	1	53	23.16	23.23	23.11		
40	QPSK	1	104	23.00	23.07	22.95		
40	QPSK	50	0	21.94	22.07	21.97	23.0	1.0
40	QPSK	50	28	23.13	23.19	23.10	24.0	0.0
40	QPSK	50	56	21.97	22.06	21.95	23.0	1.0
40	QPSK	100	0	22.10	22.15	22.04		
40	16QAM	1	1	21.79	21.86	21.71	23.0	1.0
40	64QAM	1	1	20.21	20.36	20.23	21.5	2.5
40	256QAM	1	1	18.63	18.69	18.62	19.5	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	23.08	23.18	23.10	24.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	23.08	23.16	23.10	24.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	23.07	23.18	23.06	24.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	23.07	23.22	23.13	24.0	0.0

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BW [MHz]	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	22.55	22.65	22.57	23.5	0.0
100	PI/2 BPSK	1	137	22.50	22.63	22.51		
100	PI/2 BPSK	1	271	22.50	22.58	22.52		
100	PI/2 BPSK	135	0	22.42	22.56	22.42	23.5	0.0
100	PI/2 BPSK	135	69	22.62	22.66	22.57	23.5	0.0
100	PI/2 BPSK	135	138	22.47	22.52	22.45	23.5	0.0
100	PI/2 BPSK	270	0	22.46	22.53	22.40		
100	QPSK	1	1	22.65	22.69	22.60	23.5	0.0
100	QPSK	1	137	22.63	22.67	22.62		
100	QPSK	1	271	22.56	22.62	22.55		
100	QPSK	135	0	22.48	22.57	22.52	23.5	0.0
100	QPSK	135	69	22.52	22.62	22.54	23.5	0.0
100	QPSK	135	138	22.41	22.53	22.47	23.5	0.0
100	QPSK	270	0	22.49	22.59	22.46		
100	16QAM	1	1	22.37	22.50	22.47	23.5	0.0
100	64QAM	1	1	22.38	22.45	22.33	23.5	0.0
100	256QAM	1	1	21.52	21.60	21.54	22.0	1.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	22.55	22.66	22.47	23.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	22.57	22.56	22.55	23.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	22.52	22.64	22.47	23.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	22.61	22.57	22.51	23.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	22.60	22.56	22.45	23.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	22.54	22.60	22.49	23.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	22.54	22.61	22.51	23.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	22.61	22.56	22.50	23.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	22.61	22.59	22.49	23.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	22.57	22.54	22.47	23.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	22.59	22.64	22.56	23.5	0.0

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BW [MHz]	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	25.55	25.59	25.52	26.5	0.0
100	PI/2 BPSK	1	137	25.54	25.60	25.57		
100	PI/2 BPSK	1	271	25.44	25.50	25.37		
100	PI/2 BPSK	135	0	24.82	24.91	24.78	26.0	0.5
100	PI/2 BPSK	135	69	25.49	25.59	25.45	26.5	0.0
100	PI/2 BPSK	135	138	24.68	24.79	24.64	26.0	0.5
100	PI/2 BPSK	270	0	24.80	24.87	24.75		
100	QPSK	1	1	25.54	25.65	25.58	26.5	0.0
100	QPSK	1	137	25.53	25.61	25.56		
100	QPSK	1	271	25.44	25.53	25.42		
100	QPSK	135	0	24.32	24.44	24.35	25.5	1.0
100	QPSK	135	69	25.48	25.60	25.52	26.5	0.0
100	QPSK	135	138	24.40	24.47	24.38	25.5	1.0
100	QPSK	270	0	24.54	24.57	24.44		
100	16QAM	1	1	24.27	24.35	24.29	25.5	1.0
100	64QAM	1	1	22.92	23.04	22.92	24.0	2.5
100	256QAM	1	1	20.61	20.71	20.60	22.0	4.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	25.45	25.58	25.48	26.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	25.39	25.56	25.50	26.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	25.42	25.51	25.47	26.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	25.41	25.55	25.49	26.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	25.39	25.54	25.43	26.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	25.47	25.59	25.43	26.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	25.42	25.53	25.47	26.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	25.40	25.57	25.50	26.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	25.43	25.52	25.45	26.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	25.47	25.51	25.49	26.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	25.45	25.56	25.46	26.5	0.0

Part27Q n77 Ant5 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.73			
100	PI/2 BPSK	1	137		22.68		23.5	0.0
100	PI/2 BPSK	1	271		22.56			
100	PI/2 BPSK	135	0		22.52		23.5	0.0
100	PI/2 BPSK	135	69		22.70		23.5	0.0
100	PI/2 BPSK	135	138		22.61		23.5	0.0
100	PI/2 BPSK	270	0		22.64			
100	QPSK	1	1		22.77			
100	QPSK	1	137		22.71		23.5	0.0
100	QPSK	1	271		22.67			
100	QPSK	135	0		22.64		23.5	0.0
100	QPSK	135	69		22.73		23.5	0.0
100	QPSK	135	138		22.68			
100	QPSK	270	0		22.71		23.5	0.0
100	16QAM	1	1		22.60		23.5	0.0
100	64QAM	1	1		22.57		23.5	0.0
100	256QAM	1	1		21.68		22.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.70	22.72	22.56	23.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.62	22.70	22.66	23.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.60	22.67	22.60	23.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.69	22.66	22.67	23.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.68	22.70	22.67	23.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.67	22.64	22.59	23.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.66	22.71	22.56	23.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.58	22.69	22.63	23.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.59	22.68	22.65	23.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.68	22.72	22.59	23.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.64	22.65	22.58	23.5	0.0

Part27Q n77 PC2 Ant5 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.58			
100	PI/2 BPSK	1	137		25.53		26.5	0.0
100	PI/2 BPSK	1	271		25.40			
100	PI/2 BPSK	135	0		24.85		26.0	0.5
100	PI/2 BPSK	135	69		25.51		26.5	0.0
100	PI/2 BPSK	135	138		24.73		26.0	0.5
100	PI/2 BPSK	270	0		24.82			
100	QPSK	1	1		25.62			
100	QPSK	1	137		25.55		26.5	0.0
100	QPSK	1	271		25.46			
100	QPSK	135	0		24.40		25.5	1.0
100	QPSK	135	69		25.53		26.5	0.0
100	QPSK	135	138		24.39		25.5	1.0
100	QPSK	270	0		24.50			
100	16QAM	1	1		24.40		25.5	1.0
100	64QAM	1	1		22.94		24.0	2.5
100	256QAM	1	1		20.58		22.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.46	25.51	25.37	26.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.49	25.57	25.47	26.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.46	25.48	25.37	26.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.51	25.50	25.39	26.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.48	25.55	25.48	26.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.52	25.48	25.37	26.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.44	25.53	25.39	26.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.46	25.55	25.42	26.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.48	25.57	25.40	26.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.49	25.51	25.46	26.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.46	25.49	25.44	26.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.51			
100	PI/2 BPSK	1	137		23.45		24.5	0.0
100	PI/2 BPSK	1	271		23.42			
100	PI/2 BPSK	135	0		23.40		24.5	0.0
100	PI/2 BPSK	135	69		23.46		24.5	0.0
100	PI/2 BPSK	135	138		23.39		24.5	0.0
100	PI/2 BPSK	270	0		23.43			
100	QPSK	1	1		23.55			
100	QPSK	1	137		23.48		24.5	0.0
100	QPSK	1	271		23.50			
100	QPSK	135	0		23.43		24.5	0.0
100	QPSK	135	69		23.52		24.5	0.0
100	QPSK	135	138		23.42		24.5	0.0
100	QPSK	270	0		23.47			
100	16QAM	1	1		23.36		24.5	0.0
100	64QAM	1	1		23.33		24.5	0.0
100	256QAM	1	1		22.50		23.0	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.44	23.48	23.35	24.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.43	23.45	23.40	24.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.44	23.46	23.40	24.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.39	23.49	23.35	24.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.40	23.51	23.36	24.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.42	23.42	23.32	24.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.40	23.50	23.41	24.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	23.43	23.47	23.38	24.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.37	23.52	23.42	24.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	23.45	23.48	23.42	24.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	23.43	23.51	23.34	24.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.36		27.5	0.0
100	PI/2 BPSK	1	137		26.33			
100	PI/2 BPSK	1	271		26.28			
100	PI/2 BPSK	135	0		25.90		27.0	0.5
100	PI/2 BPSK	135	69		26.30		27.5	0.0
100	PI/2 BPSK	135	138		25.83		27.0	0.5
100	PI/2 BPSK	270	0		25.88			
100	QPSK	1	1		26.41		27.5	0.0
100	QPSK	1	137		26.32			
100	QPSK	1	271		26.25			
100	QPSK	135	0		25.46		26.5	1.0
100	QPSK	135	69		26.38		27.5	0.0
100	QPSK	135	138		25.35		26.5	1.0
100	QPSK	270	0		25.43			
100	16QAM	1	1		25.46		26.5	1.0
100	64QAM	1	1		23.91		25.0	2.5
100	256QAM	1	1		21.73		23.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.22	26.30	26.15	27.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.29	26.37	26.21	27.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.25	26.33	26.23	27.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.26	26.35	26.15	27.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.24	26.36	26.17	27.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.25	26.28	26.19	27.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.24	26.29	26.18	27.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	26.31	26.33	26.23	27.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.26	26.26	26.25	27.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	26.24	26.32	26.22	27.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	26.19	26.29	26.23	27.5	0.0

Part27Q n78 Ant5 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.81		24.5	0.0
100	PI/2 BPSK	1	137		23.78			
100	PI/2 BPSK	1	271		23.69			
100	PI/2 BPSK	135	0		23.69		24.5	0.0
100	PI/2 BPSK	135	69		23.70		24.5	0.0
100	PI/2 BPSK	135	138		23.65		24.5	0.0
100	PI/2 BPSK	270	0		23.72			
100	QPSK	1	1		23.84		24.5	0.0
100	QPSK	1	137		23.79			
100	QPSK	1	271		23.73			
100	QPSK	135	0		23.76		24.5	0.0
100	QPSK	135	69		23.77		24.5	0.0
100	QPSK	135	138		23.64		24.5	0.0
100	QPSK	270	0		23.70			
100	16QAM	1	1		23.61		24.5	0.0
100	64QAM	1	1		23.57		24.5	0.0
100	256QAM	1	1		22.60		23.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.67	23.80	23.69	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.64	23.73	23.63	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.65	23.77	23.68	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.73	23.74	23.67	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.71	23.77	23.70	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.72	23.72	23.68	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.64	23.79	23.69	24.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.74	23.71	23.63	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.75	23.73	23.62	24.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.74	23.74	23.65	24.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.73	23.71	23.72	24.5	0.0

Part27Q n78 PC2 Ant5 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.68		27.5	0.0
100	PI/2 BPSK	1	137		26.60			
100	PI/2 BPSK	1	271		26.51			
100	PI/2 BPSK	135	0		26.23		27.0	0.5
100	PI/2 BPSK	135	69		26.58		27.5	0.0
100	PI/2 BPSK	135	138		26.07		27.0	0.5
100	PI/2 BPSK	270	0		26.20			
100	QPSK	1	1		26.73		27.5	0.0
100	QPSK	1	137		26.62			
100	QPSK	1	271		26.55			
100	QPSK	135	0		25.74		26.5	1.0
100	QPSK	135	69		26.62		27.5	0.0
100	QPSK	135	138		25.64		26.5	1.0
100	QPSK	270	0		25.70			
100	16QAM	1	1		25.61		26.5	1.0
100	64QAM	1	1		24.15		25.0	2.5
100	256QAM	1	1		22.00		23.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.54	26.62	26.53	27.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.56	26.66	26.54	27.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.58	26.69	26.50	27.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.62	26.67	26.61	27.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.57	26.59	26.57	27.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.60	26.64	26.54	27.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.64	26.70	26.52	27.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	26.63	26.69	26.53	27.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.55	26.58	26.53	27.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	26.56	26.68	26.61	27.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	26.54	26.65	26.51	27.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	18.61	18.59	18.62	19.5	0.0
40	PI/2 BPSK	1	53	18.46	18.55	18.45		
40	PI/2 BPSK	1	104	18.34	18.54	18.29		
40	PI/2 BPSK	50	0	18.32	18.44	18.59	19.5	0.0
40	PI/2 BPSK	50	28	18.57	18.67	18.53	19.5	0.0
40	PI/2 BPSK	50	56	18.39	18.40	18.45	19.5	0.0
40	PI/2 BPSK	100	0	18.49	18.51	18.35		
40	QPSK	1	1	18.59	18.72	18.52	19.5	0.0
40	QPSK	1	53	18.43	18.71	18.46		
40	QPSK	1	104	18.32	18.58	18.62		
40	QPSK	50	0	18.30	18.50	18.50	19.5	0.0
40	QPSK	50	28	18.50	18.67	18.50	19.5	0.0
40	QPSK	50	56	18.23	18.47	18.40	19.5	0.0
40	QPSK	100	0	18.39	18.65	18.46		
40	16QAM	1	1	18.24	18.44	18.48	19.5	0.0
40	64QAM	1	1	18.26	18.53	18.35	19.5	0.0
40	256QAM	1	1	16.75	16.81	16.75	18.0	1.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	18.37	18.49	18.50	19.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	18.32	18.38	18.57	19.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	18.40	18.43	18.55	19.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	18.34	18.44	18.56	19.5	0.0

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BW [MHz]	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	17.11	17.12	17.11	18.5	0.0
100	PI/2 BPSK	1	137	16.98	17.12	16.98		
100	PI/2 BPSK	1	271	16.83	17.00	16.80		
100	PI/2 BPSK	135	0	16.89	17.11	16.94	18.5	0.0
100	PI/2 BPSK	135	69	16.86	17.08	16.98	18.5	0.0
100	PI/2 BPSK	135	138	16.92	16.95	16.90	18.5	0.0
100	PI/2 BPSK	270	0	16.84	16.99	16.83		
100	QPSK	1	1	17.11	17.18	17.07	18.5	0.0
100	QPSK	1	137	16.86	17.09	16.88		
100	QPSK	1	271	16.88	17.10	17.13		
100	QPSK	135	0	16.89	16.98	17.02	18.5	0.0
100	QPSK	135	69	17.05	17.15	17.03	18.5	0.0
100	QPSK	135	138	16.78	16.95	16.82	18.5	0.0
100	QPSK	270	0	17.08	17.13	16.95		
100	16QAM	1	1	16.75	16.94	16.93	18.5	0.0
100	64QAM	1	1	16.79	16.98	16.95	18.5	0.0
100	256QAM	1	1	16.77	16.83	16.77	18.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.85	17.07	16.95	18.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.96	17.07	16.90	18.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.91	17.12	17.00	18.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.97	17.04	16.95	18.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.96	17.08	17.01	18.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.85	17.16	16.95	18.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.86	17.08	16.98	18.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.98	17.12	16.98	18.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.93	17.03	16.94	18.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.86	17.05	16.90	18.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.96	17.05	16.94	18.5	0.0

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BW [MHz]	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	20.13	20.05	20.06	21.5	0.0
100	PI/2 BPSK	1	137	20.00	20.04	19.99		
100	PI/2 BPSK	1	271	19.92	20.03	19.78		
100	PI/2 BPSK	135	0	19.88	19.97	20.00	21.5	0.0
100	PI/2 BPSK	135	69	19.88	20.11	20.02	21.5	0.0
100	PI/2 BPSK	135	138	19.87	19.96	19.93	21.5	0.0
100	PI/2 BPSK	270	0	19.92	20.00	19.79		
100	QPSK	1	1	20.12	20.15	20.13	21.5	0.0
100	QPSK	1	137	19.89	20.13	20.11		
100	QPSK	1	271	20.02	20.11	19.97		
100	QPSK	135	0	19.81	19.99	19.97	21.5	0.0
100	QPSK	135	69	20.06	20.10	20.01	21.5	0.0
100	QPSK	135	138	19.78	20.01	19.85	21.5	0.0
100	QPSK	270	0	20.05	20.09	19.89		
100	16QAM	1	1	19.78	20.05	20.02	21.5	0.0
100	64QAM	1	1	19.73	19.78	19.80	21.5	0.0
100	256QAM	1	1	19.92	19.89	19.75	21.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.93	20.01	19.80	21.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.90	19.99	19.79	21.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.94	20.03	19.80	21.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.89	19.98	19.86	21.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.96	19.94	19.78	21.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.88	20.06	19.87	21.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.92	19.98	19.82	21.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	19.85	20.01	19.75	21.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.92	20.04	19.77	21.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.94	20.05	19.79	21.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.87	20.03	19.78	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.99		18.5	0.0
100	PI/2 BPSK	1	137		16.83			
100	PI/2 BPSK	1	271		17.02			
100	PI/2 BPSK	135	0		17.02		18.5	0.0
100	PI/2 BPSK	135	69		16.99		18.5	0.0
100	PI/2 BPSK	135	138		16.83		18.5	0.0
100	PI/2 BPSK	270	0		16.83			
100	QPSK	1	1		17.03		18.5	0.0
100	QPSK	1	137		16.95			
100	QPSK	1	271		17.01			
100	QPSK	135	0		16.92		18.5	0.0
100	QPSK	135	69		16.94		18.5	0.0
100	QPSK	135	138		16.76		18.5	0.0
100	QPSK	270	0		16.93			
100	16QAM	1	1		16.89		18.5	0.0
100	64QAM	1	1		16.72		18.5	0.0
100	256QAM	1	1		16.85		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.99	16.98	17.00	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.01	16.99	17.02	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.01	16.99	16.95	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.93	16.87	16.98	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.94	16.97	16.97	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.90	16.97	16.94	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.98	16.91	16.86	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.95	16.92	16.90	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.88	16.98	16.94	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.99	16.87	16.91	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.87	16.91	16.93	18.5	0.0

Part27Q n77 PC2 Ant6 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.21		21.5	0.0
100	PI/2 BPSK	1	137		20.01			
100	PI/2 BPSK	1	271		19.97			
100	PI/2 BPSK	135	0		20.07		21.5	0.0
100	PI/2 BPSK	135	69		20.20		21.5	0.0
100	PI/2 BPSK	135	138		19.93		21.5	0.0
100	PI/2 BPSK	270	0		19.94			
100	QPSK	1	1		20.24		21.5	0.0
100	QPSK	1	137		20.19			
100	QPSK	1	271		20.11			
100	QPSK	135	0		20.02		21.5	0.0
100	QPSK	135	69		20.18		21.5	0.0
100	QPSK	135	138		20.01		21.5	0.0
100	QPSK	270	0		20.13			
100	16QAM	1	1		20.01		21.5	0.0
100	64QAM	1	1		19.78		21.5	0.0
100	256QAM	1	1		19.81		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.77	20.04	19.91	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.80	20.03	19.94	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.76	20.09	19.88	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.70	20.00	19.88	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.78	20.03	19.95	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.71	20.07	19.95	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.82	19.98	19.91	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.72	19.98	19.96	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.76	20.01	19.85	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.77	19.98	19.87	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.70	20.10	19.83	21.5	0.0

Part27O n78 Ant6 ECI4

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.06		18.5	0.0
100	PI/2 BPSK	1	137		17.16			
100	PI/2 BPSK	1	271		17.05			
100	PI/2 BPSK	135	0		17.13		18.5	0.0
100	PI/2 BPSK	135	69		17.09		18.5	0.0
100	PI/2 BPSK	135	138		16.89		18.5	0.0
100	PI/2 BPSK	270	0		17.01			
100	QPSK	1	1		17.21		18.5	0.0
100	QPSK	1	137		17.17			
100	QPSK	1	271		17.00			
100	QPSK	135	0		16.95		18.5	0.0
100	QPSK	135	69		17.06		18.5	0.0
100	QPSK	135	138		16.95		18.5	0.0
100	QPSK	270	0		17.00			
100	16QAM	1	1		17.05		18.5	0.0
100	64QAM	1	1		16.86		18.5	0.0
100	256QAM	1	1		16.83		18.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.16	17.06	17.14	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.06	17.13	17.04	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.12	17.16	17.14	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.10	17.12	17.10	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.07	17.09	17.06	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.04	17.15	17.10	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.04	17.05	17.06	18.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.12	17.15	17.04	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.13	17.12	17.09	18.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.07	17.15	17.08	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.14	17.13	17.14	18.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.59		21.5	0.0
100	PI/2 BPSK	1	137		20.44			
100	PI/2 BPSK	1	271		20.37			
100	PI/2 BPSK	135	0		20.52		21.5	0.0
100	PI/2 BPSK	135	69		20.53		21.5	0.0
100	PI/2 BPSK	135	138		20.31		21.5	0.0
100	PI/2 BPSK	270	0		20.46			
100	QPSK	1	1		20.60		21.5	0.0
100	QPSK	1	137		20.57			
100	QPSK	1	271		20.40			
100	QPSK	135	0		20.49		21.5	0.0
100	QPSK	135	69		20.59		21.5	0.0
100	QPSK	135	138		20.34			
100	QPSK	270	0		20.51		21.5	0.0
100	16QAM	1	1		20.45		21.5	0.0
100	64QAM	1	1		20.31		21.5	0.0
100	256QAM	1	1		20.34		21.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.50	20.49	20.50	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.37	20.39	20.33	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.34	20.49	20.46	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.34	20.30	20.50	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.30	20.40	20.36	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.48	20.35	20.40	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.49	20.38	20.45	21.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	20.46	20.29	20.44	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.36	20.30	20.31	21.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	20.48	20.49	20.35	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	20.31	20.50	20.36	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.31		18.5	0.0
100	PI/2 BPSK	1	137		17.34			
100	PI/2 BPSK	1	271		17.36			
100	PI/2 BPSK	135	0		17.27		18.5	0.0
100	PI/2 BPSK	135	69		17.42		18.5	0.0
100	PI/2 BPSK	135	138		17.23		18.5	0.0
100	PI/2 BPSK	270	0		17.33			
100	QPSK	1	1		17.47		18.5	0.0
100	QPSK	1	137		17.39			
100	QPSK	1	271		17.32			
100	QPSK	135	0		17.39		18.5	0.0
100	QPSK	135	69		17.43		18.5	0.0
100	QPSK	135	138		17.28		18.5	0.0
100	QPSK	270	0		17.37			
100	16QAM	1	1		17.29		18.5	0.0
100	64QAM	1	1		17.27		18.5	0.0
100	256QAM	1	1		17.24		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.29	17.31	17.21	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.27	17.28	17.27	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.32	17.27	17.22	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.27	17.34	17.20	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.25	17.29	17.33	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.26	17.20	17.32	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.27	17.24	17.26	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.28	17.31	17.21	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.22	17.24	17.26	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.21	17.25	17.34	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.26	17.33	17.33	18.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.65		21.5	0.0
100	PI/2 BPSK	1	137		20.53			
100	PI/2 BPSK	1	271		20.45			
100	PI/2 BPSK	135	0		20.46		21.5	0.0
100	PI/2 BPSK	135	69		20.57		21.5	0.0
100	PI/2 BPSK	135	138		20.45		21.5	0.0
100	PI/2 BPSK	270	0		20.41			
100	QPSK	1	1		20.66		21.5	0.0
100	QPSK	1	137		20.64			
100	QPSK	1	271		20.65			
100	QPSK	135	0		20.58		21.5	0.0
100	QPSK	135	69		20.60		21.5	0.0
100	QPSK	135	138		20.44		21.5	0.0
100	QPSK	270	0		20.64			
100	16QAM	1	1		20.47		21.5	0.0
100	64QAM	1	1		20.35		21.5	0.0
100	256QAM	1	1		20.41		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.65	20.52	20.47	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.56	20.48	20.39	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.56	20.55	20.54	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.51	20.44	20.46	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.53	20.62	20.56	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.63	20.41	20.43	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.55	20.61	20.51	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.47	20.55	20.56	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.57	20.54	20.46	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.64	20.58	20.47	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.60	20.54	20.36	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.36	21.42	21.38	22.5	0.0
40	PI/2 BPSK	1	53	21.32	21.41	21.31		
40	PI/2 BPSK	1	104	21.28	21.37	21.26		
40	PI/2 BPSK	50	0	20.76	20.84	20.71	22.0	0.5
40	PI/2 BPSK	50	28	21.25	21.31	21.24	22.5	0.0
40	PI/2 BPSK	50	56	20.71	20.80	20.65	22.0	0.5
40	PI/2 BPSK	100	0	20.75	20.87	20.83		
40	QPSK	1	1	21.39	21.45	21.42	22.5	0.0
40	QPSK	1	53	21.38	21.42	21.31		
40	QPSK	1	104	21.27	21.37	21.29		
40	QPSK	50	0	20.16	20.25	20.14	21.5	1.0
40	QPSK	50	28	21.18	21.31	21.21	22.5	0.0
40	QPSK	50	56	20.15	20.26	20.23	21.5	1.0
40	QPSK	100	0	20.32	20.37	20.31		
40	16QAM	1	1	19.95	20.06	19.93	21.5	1.0
40	64QAM	1	1	18.45	18.49	18.43	20.0	2.5
40	256QAM	1	1	16.81	16.88	16.75	18.0	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.28	21.33	21.32	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.29	21.42	21.32	22.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.34	21.35	21.34	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.34	21.36	21.29	22.5	0.0

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BW [MHz]	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	20.19	19.83	19.61	21.0	0.0
100	PI/2 BPSK	1	137	20.17	19.68	19.54		
100	PI/2 BPSK	1	271	20.00	19.66	19.65		
100	PI/2 BPSK	135	0	20.06	19.69	19.66	21.0	0.0
100	PI/2 BPSK	135	69	20.12	19.81	19.62	21.0	0.0
100	PI/2 BPSK	135	138	19.99	19.66	19.51	21.0	0.0
100	PI/2 BPSK	270	0	20.09	19.74	19.56		
100	QPSK	1	1	20.21	19.84	19.78	21.0	0.0
100	QPSK	1	137	20.09	19.80	19.70		
100	QPSK	1	271	20.10	19.78	19.70		
100	QPSK	135	0	20.06	19.65	19.60	21.0	0.0
100	QPSK	135	69	20.10	19.85	19.77	21.0	0.0
100	QPSK	135	138	19.95	19.74	19.61	21.0	0.0
100	QPSK	270	0	20.05	19.68	19.75		
100	16QAM	1	1	19.91	19.62	19.56	21.0	0.0
100	64QAM	1	1	19.88	19.59	19.53	21.0	0.0
100	256QAM	1	1	20.15	19.74	19.64	20.5	0.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	20.17	19.73	19.74	21.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.10	19.69	19.64	21.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	20.05	19.72	19.74	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.13	19.67	19.67	21.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	20.08	19.71	19.73	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.14	19.79	19.68	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.12	19.74	19.65	21.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.05	19.73	19.68	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.07	19.71	19.62	21.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	20.17	19.80	19.69	21.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.18	19.77	19.68	21.0	0.0

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BW [MHz]	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	23.16	22.81	22.80	24.0	0.0
100	PI/2 BPSK	1	137	23.16	22.75	22.64		
100	PI/2 BPSK	1	271	23.14	22.73	22.63		
100	PI/2 BPSK	135	0	22.77	22.36	22.19	24.0	0.0
100	PI/2 BPSK	135	69	23.14	22.71	22.60	24.0	0.0
100	PI/2 BPSK	135	138	22.66	22.34	22.14	24.0	0.0
100	PI/2 BPSK	270	0	22.59	22.40	22.24		
100	QPSK	1	1	23.20	22.83	22.79	24.0	0.0
100	QPSK	1	137	23.16	22.76	22.73		
100	QPSK	1	271	23.04	22.78	22.73		
100	QPSK	135	0	23.05	22.71	22.70	24.0	0.0
100	QPSK	135	69	23.12	22.76	22.67	24.0	0.0
100	QPSK	135	138	23.03	22.73	22.75	24.0	0.0
100	QPSK	270	0	23.03	22.66	22.74		
100	16QAM	1	1	23.06	22.79	22.71	24.0	0.0
100	64QAM	1	1	21.66	21.41	21.27	22.5	1.5
100	256QAM	1	1	19.57	19.21	19.16	20.5	3.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.06	22.76	22.72	24.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.10	22.71	22.70	24.0	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.15	22.68	22.68	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.11	22.70	22.75	24.0	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.09	22.72	22.70	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.04	22.71	22.65	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.16	22.76	22.65	24.0	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.12	22.69	22.67	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.11	22.77	22.72	24.0	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.17	22.72	22.70	24.0	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.13	22.71	22.63	24.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.34			
100	PI/2 BPSK	1	137		20.31		21.0	0.0
100	PI/2 BPSK	1	271		20.24			
100	PI/2 BPSK	135	0		20.11		21.0	0.0
100	PI/2 BPSK	135	69		20.24		21.0	0.0
100	PI/2 BPSK	135	138		20.23		21.0	0.0
100	PI/2 BPSK	270	0		20.29			
100	QPSK	1	1		20.44			
100	QPSK	1	137		20.38		21.0	0.0
100	QPSK	1	271		20.34			
100	QPSK	135	0		20.24		21.0	0.0
100	QPSK	135	69		20.39		21.0	0.0
100	QPSK	135	138		20.13			
100	QPSK	270	0		20.18		21.0	0.0
100	16QAM	1	1		20.14		21.0	0.0
100	64QAM	1	1		20.05		21.0	0.0
100	256QAM	1	1		20.35		20.5	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.34	20.30	20.27	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.31	20.32	20.28	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.41	20.29	20.37	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.41	20.36	20.37	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.30	20.34	20.30	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.31	20.36	20.30	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.36	20.39	20.29	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.30	20.30	20.41	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.29	20.40	20.31	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.32	20.35	20.31	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.35	20.34	20.38	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.16			
100	PI/2 BPSK	1	137		23.21		24.0	0.0
100	PI/2 BPSK	1	271		23.14			
100	PI/2 BPSK	135	0		23.15		24.0	0.0
100	PI/2 BPSK	135	69		23.19		24.0	0.0
100	PI/2 BPSK	135	138		23.07		24.0	0.0
100	PI/2 BPSK	270	0		23.16			
100	QPSK	1	1		23.23			
100	QPSK	1	137		23.16		24.0	0.0
100	QPSK	1	271		23.17			
100	QPSK	135	0		23.08		24.0	0.0
100	QPSK	135	69		23.19		24.0	0.0
100	QPSK	135	138		23.07		24.0	0.0
100	QPSK	270	0		23.14			
100	16QAM	1	1		23.05		24.0	0.0
100	64QAM	1	1		21.78		22.5	1.5
100	256QAM	1	1		19.67		20.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.08	23.18	23.07	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.19	23.12	23.08	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.16	23.17	23.15	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.13	23.14	23.09	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.09	23.18	23.16	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.07	23.13	23.11	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.13	23.08	23.19	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.19	23.16	23.07	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.13	23.06	23.19	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.12	23.15	23.14	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.12	23.12	23.07	24.0	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.71			
100	PI/2 BPSK	1	137		22.73		24.0	0.0
100	PI/2 BPSK	1	271		22.69			
100	PI/2 BPSK	135	0		22.53		24.0	0.0
100	PI/2 BPSK	135	69		22.60		24.0	0.0
100	PI/2 BPSK	135	138		22.56		24.0	0.0
100	PI/2 BPSK	270	0		22.56			
100	QPSK	1	1		22.79			
100	QPSK	1	137		22.70		24.0	0.0
100	QPSK	1	271		22.70			
100	QPSK	135	0		22.55		24.0	0.0
100	QPSK	135	69		22.70		24.0	0.0
100	QPSK	135	138		22.59		24.0	0.0
100	QPSK	270	0		22.69			
100	16QAM	1	1		22.60		24.0	0.0
100	64QAM	1	1		22.55		24.0	0.0
100	256QAM	1	1		22.29		23.5	0.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.36	22.49	22.39	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.30	22.44	22.46	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.41	22.30	22.50	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.52	22.47	22.50	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.45	22.47	22.43	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.34	22.45	22.31	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.47	22.43	22.40	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	22.38	22.42	22.40	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.32	22.47	22.49	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	22.50	22.39	22.51	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	22.41	22.47	22.54	24.0	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		24.93		26.5	0.0
100	PI/2 BPSK	1	137		24.88			
100	PI/2 BPSK	1	271		24.89			
100	PI/2 BPSK	135	0		24.49		26.0	0.5
100	PI/2 BPSK	135	69		24.91		26.5	0.0
100	PI/2 BPSK	135	138		24.41		26.0	0.5
100	PI/2 BPSK	270	0		24.54			
100	QPSK	1	1		24.97		26.5	0.0
100	QPSK	1	137		24.91			
100	QPSK	1	271		24.88			
100	QPSK	135	0		24.07		25.5	1.0
100	QPSK	135	69		24.90		26.5	0.0
100	QPSK	135	138		23.96		25.5	1.0
100	QPSK	270	0		24.01			
100	16QAM	1	1		24.08		25.5	1.0
100	64QAM	1	1		22.61		24.0	2.5
100	256QAM	1	1		20.37		22.0	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	24.76	24.92	24.73	26.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	24.78	24.83	24.75	26.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	24.84	24.88	24.80	26.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	24.76	24.93	24.81	26.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	24.76	24.90	24.77	26.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	24.84	24.93	24.76	26.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	24.86	24.86	24.76	26.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	24.77	24.93	24.76	26.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	24.86	24.91	24.79	26.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	24.76	24.84	24.80	26.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	24.85	24.89	24.75	26.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.02		24.0	0.0
100	PI/2 BPSK	1	137		23.00			
100	PI/2 BPSK	1	271		22.84			
100	PI/2 BPSK	135	0		22.86		24.0	0.0
100	PI/2 BPSK	135	69		22.91		24.0	0.0
100	PI/2 BPSK	135	138		22.79		24.0	0.0
100	PI/2 BPSK	270	0		22.83			
100	QPSK	1	1		23.06		24.0	0.0
100	QPSK	1	137		22.98			
100	QPSK	1	271		22.87			
100	QPSK	135	0		22.89		24.0	0.0
100	QPSK	135	69		22.99		24.0	0.0
100	QPSK	135	138		22.85		24.0	0.0
100	QPSK	270	0		22.95			
100	16QAM	1	1		22.84		24.0	0.0
100	64QAM	1	1		22.88		24.0	0.0
100	256QAM	1	1		22.36		23.5	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.72	22.66	22.70	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.70	22.62	22.62	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.64	22.71	22.71	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.68	22.78	22.67	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.65	22.76	22.66	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.66	22.65	22.67	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.71	22.80	22.62	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.65	22.76	22.79	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.80	22.65	22.70	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.67	22.77	22.72	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.66	22.68	22.59	24.0	0.0

Part27Q n78 PC2 Ant7 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		25.26		26.5	0.0
100	PI/2 BPSK	1	137		25.23			
100	PI/2 BPSK	1	271		25.21			
100	PI/2 BPSK	135	0		24.84		26.0	0.5
100	PI/2 BPSK	135	69		25.19		26.5	0.0
100	PI/2 BPSK	135	138		24.75		26.0	0.5
100	PI/2 BPSK	270	0		24.87			
100	QPSK	1	1		25.32		26.5	0.0
100	QPSK	1	137		25.24			
100	QPSK	1	271		25.28			
100	QPSK	135	0		24.38		25.5	1.0
100	QPSK	135	69		25.26		26.5	0.0
100	QPSK	135	138		24.29		25.5	1.0
100	QPSK	270	0		24.34			
100	16QAM	1	1		24.42		25.5	1.0
100	64QAM	1	1		22.85		24.0	2.5
100	256QAM	1	1		20.63		22.0	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	25.25	25.21	25.17	26.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	25.16	25.24	25.18	26.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	25.23	25.18	25.13	26.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	25.22	25.18	25.10	26.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	25.22	25.22	25.11	26.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	25.17	25.23	25.19	26.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	25.18	25.20	25.09	26.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	25.17	25.28	25.19	26.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	25.25	25.19	25.10	26.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	25.24	25.26	25.14	26.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	25.16	25.20	25.17	26.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	21.15	21.29	21.23	22.5	0.0
40	PI/2 BPSK	1	53	21.12	21.25	21.09		
40	PI/2 BPSK	1	104	21.04	21.20	21.02		
40	PI/2 BPSK	50	0	20.58	20.70	20.47	22.0	0.5
40	PI/2 BPSK	50	28	21.09	21.07	21.10	22.5	0.0
40	PI/2 BPSK	50	56	20.57	20.56	20.49	22.0	0.5
40	PI/2 BPSK	100	0	20.56	20.64	20.64		
40	QPSK	1	1	21.23	21.32	21.25	22.5	0.0
40	QPSK	1	53	21.18	21.26	21.07		
40	QPSK	1	104	21.10	21.18	21.14		
40	QPSK	50	0	20.00	20.09	19.99	21.5	1.0
40	QPSK	50	28	20.95	21.10	21.05	22.5	0.0
40	QPSK	50	56	20.00	20.07	20.02	21.5	1.0
40	QPSK	100	0	20.12	20.13	20.08		
40	16QAM	1	1	19.81	19.83	19.71	21.5	1.0
40	64QAM	1	1	18.27	18.27	18.23	20.0	2.5
40	256QAM	1	1	16.64	16.67	16.59	18.0	4.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	21.19	21.29	21.18	22.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	21.12	21.24	21.10	22.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	21.19	21.26	21.14	22.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	21.19	21.18	21.10	22.5	0.0

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BW [MHz]	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	20.06	20.26	19.87	21.5	0.0
100	PI/2 BPSK	1	137	19.89	20.16	19.92		
100	PI/2 BPSK	1	271	20.01	20.09	19.85		
100	PI/2 BPSK	135	0	19.94	20.14	19.89	21.5	0.0
100	PI/2 BPSK	135	69	19.96	20.22	19.94	21.5	0.0
100	PI/2 BPSK	135	138	19.93	20.22	19.78	21.5	0.0
100	PI/2 BPSK	270	0	20.03	20.06	19.91		
100	QPSK	1	1	20.05	20.33	20.02	21.5	0.0
100	QPSK	1	137	19.94	20.15	19.92		
100	QPSK	1	271	20.01	20.26	19.94		
100	QPSK	135	0	19.92	20.14	19.89	21.5	0.0
100	QPSK	135	69	20.02	20.24	19.97	21.5	0.0
100	QPSK	135	138	19.89	20.21	19.79	21.5	0.0
100	QPSK	270	0	19.92	20.15	19.86		
100	16QAM	1	1	19.99	20.09	19.80	21.5	0.0
100	64QAM	1	1	19.86	19.97	19.78	21.5	0.0
100	256QAM	1	1	19.54	19.55	19.47	21.0	0.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.94	20.07	19.88	21.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.99	20.08	19.91	21.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.99	20.16	19.83	21.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.02	20.18	19.87	21.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.99	20.12	19.91	21.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.00	20.17	19.79	21.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.00	20.09	19.83	21.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	20.00	20.12	19.85	21.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.89	20.19	19.86	21.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.96	20.13	19.92	21.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	20.00	20.17	19.81	21.5	0.0

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BW [MHz]	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	23.03	23.17	23.03	24.5	0.0
100	PI/2 BPSK	1	137	23.04	23.21	22.97		
100	PI/2 BPSK	1	271	23.12	23.26	23.03		
100	PI/2 BPSK	135	0	23.10	23.24	23.02	24.5	0.0
100	PI/2 BPSK	135	69	23.14	23.20	23.01	24.5	0.0
100	PI/2 BPSK	135	138	23.13	23.29	23.03	24.5	0.0
100	PI/2 BPSK	270	0	23.10	23.18	22.94		
100	QPSK	1	1	23.13	23.30	22.98	24.5	0.0
100	QPSK	1	137	23.11	23.25	23.07		
100	QPSK	1	271	23.05	23.21	23.01		
100	QPSK	135	0	23.05	23.17	23.07	24.5	0.0
100	QPSK	135	69	23.01	23.28	22.94	24.5	0.0
100	QPSK	135	138	23.06	23.22	23.08	24.5	0.0
100	QPSK	270	0	23.10	23.21	22.95		
100	16QAM	1	1	23.11	23.29	23.08	24.5	0.0
100	64QAM	1	1	21.55	21.74	21.46	23.0	1.5
100	256QAM	1	1	19.54	19.70	19.50	21.0	3.5
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	23.13	23.16	23.01	24.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.14	23.23	22.95	24.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	23.03	23.16	23.01	24.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.02	23.27	22.95	24.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	23.05	23.18	22.95	24.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.02	23.19	23.07	24.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.09	23.27	23.05	24.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	23.12	23.27	22.96	24.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.08	23.17	22.98	24.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	23.04	23.19	22.97	24.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	23.13	23.22	23.04	24.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.43		21.5	0.0
100	PI/2 BPSK	1	137		20.39			
100	PI/2 BPSK	1	271		20.38			
100	PI/2 BPSK	135	0		20.28		21.5	0.0
100	PI/2 BPSK	135	69		20.31		21.5	0.0
100	PI/2 BPSK	135	138		20.33		21.5	0.0
100	PI/2 BPSK	270	0		20.35			
100	QPSK	1	1		20.49		21.5	0.0
100	QPSK	1	137		20.33			
100	QPSK	1	271		20.37			
100	QPSK	135	0		20.26		21.5	0.0
100	QPSK	135	69		20.33		21.5	0.0
100	QPSK	135	138		20.29			
100	QPSK	270	0		20.43		21.5	0.0
100	16QAM	1	1		20.29		21.5	0.0
100	64QAM	1	1		20.29		21.5	0.0
100	256QAM	1	1		19.86		21.0	0.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.32	20.34	20.43	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.38	20.42	20.34	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.38	20.39	20.45	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.40	20.42	20.35	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.33	20.41	20.35	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.44	20.39	20.34	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.34	20.41	20.33	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.34	20.40	20.43	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.45	20.35	20.36	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.38	20.43	20.39	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.43	20.44	20.33	21.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.29		24.5	0.0
100	PI/2 BPSK	1	137		23.34			
100	PI/2 BPSK	1	271		23.37			
100	PI/2 BPSK	135	0		23.33		24.5	0.0
100	PI/2 BPSK	135	69		23.27		24.5	0.0
100	PI/2 BPSK	135	138		23.32		24.5	0.0
100	PI/2 BPSK	270	0		23.28			
100	QPSK	1	1		23.39		24.5	0.0
100	QPSK	1	137		23.34			
100	QPSK	1	271		23.31			
100	QPSK	135	0		23.27		24.5	0.0
100	QPSK	135	69		23.35		24.5	0.0
100	QPSK	135	138		23.31			
100	QPSK	270	0		23.30			
100	16QAM	1	1		23.38		24.5	0.0
100	64QAM	1	1		21.81		23.0	1.5
100	256QAM	1	1		19.68		21.0	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.22	23.33	23.29	24.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.23	23.23	23.22	24.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.26	23.34	23.33	24.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.33	23.26	23.34	24.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.24	23.33	23.34	24.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.25	23.29	23.23	24.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.34	23.31	23.28	24.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	23.24	23.25	23.30	24.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.22	23.34	23.32	24.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	23.22	23.22	23.28	24.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	23.32	23.33	23.35	24.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.92		21.0	0.0
100	PI/2 BPSK	1	137		19.83			
100	PI/2 BPSK	1	271		19.81			
100	PI/2 BPSK	135	0		19.80		21.0	0.0
100	PI/2 BPSK	135	69		19.89		21.0	0.0
100	PI/2 BPSK	135	138		19.71		21.0	0.0
100	PI/2 BPSK	270	0		19.83			
100	QPSK	1	1		19.93		21.0	0.0
100	QPSK	1	137		19.85			
100	QPSK	1	271		19.90			
100	QPSK	135	0		19.80		21.0	0.0
100	QPSK	135	69		19.86		21.0	0.0
100	QPSK	135	138		19.77		21.0	0.0
100	QPSK	270	0		19.91			
100	16QAM	1	1		19.75		21.0	0.0
100	64QAM	1	1		19.72		21.0	0.0
100	256QAM	1	1		19.78		21.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.59	19.84	19.60	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.70	19.76	19.73	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.68	19.66	19.63	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.78	19.71	19.64	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.60	19.66	19.72	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.71	19.63	19.78	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.73	19.69	19.66	21.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.65	19.80	19.64	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.72	19.74	19.79	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.69	19.80	19.74	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.73	19.61	19.72	21.0	0.0

Part27O n78 PC2 Ant8 ECI4

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		22.63		24.0	0.0
100	PI/2 BPSK	1	137		22.60			
100	PI/2 BPSK	1	271		22.69			
100	PI/2 BPSK	135	0		22.68		24.0	0.0
100	PI/2 BPSK	135	69		22.58		24.0	0.0
100	PI/2 BPSK	135	138		22.63		24.0	0.0
100	PI/2 BPSK	270	0		22.69			
100	QPSK	1	1		22.73		24.0	0.0
100	QPSK	1	137		22.70			
100	QPSK	1	271		22.60			
100	QPSK	135	0		22.67		24.0	0.0
100	QPSK	135	69		22.70		24.0	0.0
100	QPSK	135	138		22.69		24.0	0.0
100	QPSK	270	0		22.68			
100	16QAM	1	1		22.67		24.0	0.0
100	64QAM	1	1		22.63		24.0	0.0
100	256QAM	1	1		20.44		22.0	2.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	22.54	22.50	22.62	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	22.60	22.47	22.54	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	22.45	22.47	22.43	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	22.57	22.63	22.52	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	22.46	22.48	22.44	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	22.47	22.66	22.55	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	22.46	22.47	22.52	24.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	22.60	22.65	22.65	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	22.39	22.62	22.43	24.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	22.52	22.58	22.44	24.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	22.59	22.60	22.47	24.0	0.0

Part27Q n78 Ant8 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.93		21.0	0.0
100	PI/2 BPSK	1	137		19.86			
100	PI/2 BPSK	1	271		19.82			
100	PI/2 BPSK	135	0		19.88		21.0	0.0
100	PI/2 BPSK	135	69		19.92		21.0	0.0
100	PI/2 BPSK	135	138		19.84		21.0	0.0
100	PI/2 BPSK	270	0		19.80			
100	QPSK	1	1		20.10		21.0	0.0
100	QPSK	1	137		19.81			
100	QPSK	1	271		19.95			
100	QPSK	135	0		19.90		21.0	0.0
100	QPSK	135	69		20.03		21.0	0.0
100	QPSK	135	138		19.90		21.0	0.0
100	QPSK	270	0		19.90			
100	16QAM	1	1		19.85		21.0	0.0
100	64QAM	1	1		19.78		21.0	0.0
100	256QAM	1	1		19.81		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.77	19.64	19.81	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.80	19.72	19.73	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.87	19.81	19.71	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.81	19.73	19.77	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.68	19.81	19.87	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.70	19.60	19.88	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.64	19.61	19.79	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.70	19.80	19.71	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.73	19.75	19.76	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.77	19.71	19.76	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.79	19.75	19.80	21.0	0.0

Part27Q n78 PC2 Ant8 ECI4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.89		24.0	0.0
100	PI/2 BPSK	1	137		22.78			
100	PI/2 BPSK	1	271		22.84			
100	PI/2 BPSK	135	0		22.82		24.0	0.0
100	PI/2 BPSK	135	69		22.89		24.0	0.0
100	PI/2 BPSK	135	138		22.87		24.0	0.0
100	PI/2 BPSK	270	0		22.89			
100	QPSK	1	1		22.91		24.0	0.0
100	QPSK	1	137		22.82			
100	QPSK	1	271		22.90			
100	QPSK	135	0		22.80		24.0	0.0
100	QPSK	135	69		22.89		24.0	0.0
100	QPSK	135	138		22.82		24.0	0.0
100	QPSK	270	0		22.88			
100	16QAM	1	1		22.87		24.0	0.0
100	64QAM	1	1		22.86		24.0	0.0
100	256QAM	1	1		20.97		22.0	2.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.65	22.60	22.70	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.67	22.63	22.73	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.69	22.79	22.55	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.71	22.79	22.60	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.60	22.64	22.53	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.58	22.63	22.57	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.54	22.66	22.60	24.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.66	22.58	22.55	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.68	22.63	22.57	24.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.63	22.61	22.72	24.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.56	22.76	22.70	24.0	0.0

Reduced Power Mode for ECI5

n5 Ant0 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	25.26	25.33	25.23	25.7	0.0
20	PI/2 BPSK	1	53	25.22	25.31	25.22		
20	PI/2 BPSK	1	104	25.22	25.26	25.21		
20	PI/2 BPSK	50	0	24.64	24.72	24.64	25.2	0.5
20	PI/2 BPSK	50	28	25.16	25.29	25.26	25.7	0.0
20	PI/2 BPSK	50	56	24.63	24.74	24.67	25.2	0.5
20	PI/2 BPSK	100	0	24.64	24.78	24.73		
20	QPSK	1	1	25.32	25.41	25.28	25.7	0.0
20	QPSK	1	53	25.23	25.35	25.24		
20	QPSK	1	104	25.09	25.23	25.18		
20	QPSK	50	0	24.18	24.22	24.17	24.7	1.0
20	QPSK	50	28	25.21	25.27	25.23	25.7	0.0
20	QPSK	50	56	24.09	24.17	24.05	24.7	1.0
20	QPSK	100	0	24.22	24.29	24.24		
20	16QAM	1	1	23.97	24.02	23.99	24.7	1.0
20	64QAM	1	1	22.37	22.45	22.39	23.2	2.5
20	256QAM	1	1	20.79	20.85	20.73	21.2	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	25.25	25.29	25.19	25.7	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	25.20	25.30	25.21	25.7	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	25.18	25.33	25.22	25.7	0.0

n2 Ant1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	18.50	18.62	18.55	19.5	0.0
40	PI/2 BPSK	1	108	18.39	18.51	18.31		
40	PI/2 BPSK	1	214	18.33	18.38	18.48		
40	PI/2 BPSK	108	0	18.32	18.37	18.25	19.5	0.0
40	PI/2 BPSK	108	54	18.61	18.64	18.50	19.5	0.0
40	PI/2 BPSK	108	108	18.48	18.36	18.25	19.5	0.0
40	PI/2 BPSK	216	0	18.29	18.40	18.19		
40	QPSK	1	1	18.62	18.67	18.59	19.5	0.0
40	QPSK	1	108	18.57	18.66	18.54		
40	QPSK	1	214	18.45	18.56	18.51		
40	QPSK	108	0	18.27	18.45	18.48	19.5	0.0
40	QPSK	108	54	18.51	18.61	18.55	19.5	0.0
40	QPSK	108	108	18.21	18.51	18.45	19.5	0.0
40	QPSK	216	0	18.34	18.58	18.43		
40	16QAM	1	1	18.23	18.32	18.46	19.5	0.0
40	64QAM	1	1	18.34	18.39	18.13	19.5	0.0
40	256QAM	1	1	18.53	18.57	18.56	19.5	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	18.50	18.55	18.45	19.5	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	18.54	18.51	18.56	19.5	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	18.57	18.66	18.52	19.5	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	18.62	18.53	18.57	19.5	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	18.62	18.63	18.40	19.5	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	18.49	18.52	18.38	19.5	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	18.44	18.49	18.40	19.5	0.0

n5 Ant1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	24.25	24.33	24.24	25.2	0.0
20	PI/2 BPSK	1	53	24.23	24.21	24.10		
20	PI/2 BPSK	1	104	24.06	24.20	24.08		
20	PI/2 BPSK	50	0	24.17	24.22	24.21	25.2	0.0
20	PI/2 BPSK	50	28	24.19	24.29	24.20	25.2	0.0
20	PI/2 BPSK	50	56	24.18	24.25	24.19	25.2	0.0
20	PI/2 BPSK	100	0	24.15	24.28	24.28		
20	QPSK	1	1	24.36	24.38	24.30	25.2	0.0
20	QPSK	1	53	24.14	24.35	24.24		
20	QPSK	1	104	24.16	24.29	24.26		
20	QPSK	50	0	23.70	23.79	23.69	24.7	0.5
20	QPSK	50	28	24.10	24.31	24.10	25.2	0.0
20	QPSK	50	56	23.57	23.70	23.59	24.7	0.5
20	QPSK	100	0	23.71	23.82	23.80		
20	16QAM	1	1	23.52	23.55	23.48	24.7	0.5
20	64QAM	1	1	21.92	22.01	21.88	23.2	2.0
20	256QAM	1	1	20.26	20.33	20.32	21.2	4.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	24.25	24.27	24.14	25.2	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	24.33	24.34	24.18	25.2	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	24.29	24.30	24.23	25.2	0.0

n7 Ant1 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	18.09	18.21	17.95	18.7	0.0
50	PI/2 BPSK	1	135	17.84	18.01	17.91		
50	PI/2 BPSK	1	268	17.86	17.99	18.06		
50	PI/2 BPSK	135	0	17.93	17.88	17.72	18.7	0.0
50	PI/2 BPSK	135	68	18.11	18.20	17.99	18.7	0.0
50	PI/2 BPSK	135	135	18.00	17.91	17.64	18.7	0.0
50	PI/2 BPSK	270	0	17.72	17.95	17.60		
50	QPSK	1	1	18.03	18.25	18.18	18.7	0.0
50	QPSK	1	135	18.02	18.19	18.15		
50	QPSK	1	268	17.93	18.09	18.11		
50	QPSK	135	0	17.89	17.96	17.97	18.7	0.0
50	QPSK	135	68	17.82	18.21	17.88	18.7	0.0
50	QPSK	135	135	17.78	18.02	17.89	18.7	0.0
50	QPSK	270	0	17.94	18.15	18.02		
50	16QAM	1	1	17.82	17.77	18.07	18.7	0.0
50	64QAM	1	1	17.74	18.01	17.70	18.7	0.0
50	256QAM	1	1	18.02	18.18	18.06	18.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	17.93	18.19	18.02	18.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	18.01	18.09	18.10	18.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	17.99	18.21	18.07	18.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	17.98	18.19	17.98	18.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	18.03	18.09	18.13	18.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	17.87	18.18	18.02	18.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	17.96	18.22	18.17	18.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	17.95	18.24	18.04	18.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	18.35	18.42	18.30	18.7	0.0
40	PI/2 BPSK	1	53	18.09	18.26	18.11		
40	PI/2 BPSK	1	104	18.07	18.07	18.39		
40	PI/2 BPSK	50	0	18.09	18.10	18.06	18.7	0.0
40	PI/2 BPSK	50	28	18.34	18.49	18.19	18.7	0.0
40	PI/2 BPSK	50	56	18.38	18.13	18.13	18.7	0.0
40	PI/2 BPSK	100	0	18.20	18.22	18.01		
40	QPSK	1	1	18.30	18.54	18.45	18.7	0.0
40	QPSK	1	53	18.47	18.40	18.33		
40	QPSK	1	104	18.16	18.41	18.37		
40	QPSK	50	0	18.09	18.18	18.39	18.7	0.0
40	QPSK	50	28	18.38	18.48	18.46	18.7	0.0
40	QPSK	50	56	17.99	18.26	18.14	18.7	0.0
40	QPSK	100	0	18.13	18.35	18.29		
40	16QAM	1	1	17.99	18.05	18.15	18.7	0.0
40	64QAM	1	1	18.10	18.12	17.92	18.7	0.0
40	256QAM	1	1	18.31	18.37	18.42	18.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	18.19	18.47	18.32	18.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	18.27	18.41	18.30	18.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	18.19	18.49	18.38	18.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	18.25	18.43	18.25	18.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	18.27	18.48	18.38	18.7	0.0

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BW [MHz]	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	16.67	16.81	16.82	17.5	0.0
100	PI/2 BPSK	1	137	16.56	16.64	16.60		
100	PI/2 BPSK	1	271	16.44	16.61	16.65		
100	PI/2 BPSK	135	0	16.54	16.50	16.52	17.5	0.0
100	PI/2 BPSK	135	69	16.81	16.93	16.70	17.5	0.0
100	PI/2 BPSK	135	138	16.74	16.65	16.42	17.5	0.0
100	PI/2 BPSK	270	0	16.53	16.65	16.29		
100	QPSK	1	1	16.85	16.93	16.87	17.5	0.0
100	QPSK	1	137	16.84	16.79	16.68		
100	QPSK	1	271	16.62	16.79	16.74		
100	QPSK	135	0	16.49	16.70	16.63	17.5	0.0
100	QPSK	135	69	16.62	16.88	16.83	17.5	0.0
100	QPSK	135	138	16.45	16.70	16.63	17.5	0.0
100	QPSK	270	0	16.52	16.82	16.60		
100	16QAM	1	1	16.41	16.54	16.76	17.5	0.0
100	64QAM	1	1	16.58	16.57	16.37	17.5	0.0
100	256QAM	1	1	16.81	16.86	16.70	17.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	16.78	16.83	16.73	17.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	16.83	16.78	16.88	17.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	16.74	16.93	16.86	17.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	16.75	16.84	16.72	17.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	16.86	16.90	16.80	17.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	16.86	16.87	16.77	17.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	16.80	16.97	16.85	17.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	16.85	16.88	16.78	17.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	16.76	16.86	16.88	17.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	16.83	16.96	16.73	17.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	16.73	16.86	16.79	17.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	16.82	16.95	16.85	17.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	16.86	16.92	16.85	17.5	0.0

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BW [MHz]	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	19.98	20.05	20.00	20.5	0.0
100	PI/2 BPSK	1	137	19.85	19.89	19.81		
100	PI/2 BPSK	1	271	19.78	19.81	19.85		
100	PI/2 BPSK	135	0	19.64	19.74	19.73	20.5	0.0
100	PI/2 BPSK	135	69	19.98	20.10	19.84	20.5	0.0
100	PI/2 BPSK	135	138	19.86	19.76	19.62	20.5	0.0
100	PI/2 BPSK	270	0	19.60	19.74	19.63		
100	QPSK	1	1	20.01	20.12	20.04	20.5	0.0
100	QPSK	1	137	19.89	20.03	19.99		
100	QPSK	1	271	19.88	20.05	19.84		
100	QPSK	135	0	19.67	19.77	19.81	20.5	0.0
100	QPSK	135	69	19.91	20.07	20.02	20.5	0.0
100	QPSK	135	138	19.71	19.93	19.83	20.5	0.0
100	QPSK	270	0	19.72	20.04	19.83		
100	16QAM	1	1	19.68	19.82	19.81	20.5	0.0
100	64QAM	1	1	19.72	19.77	19.54	20.5	0.0
100	256QAM	1	1	19.94	19.92	19.87	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.02	20.02	19.90	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.94	20.07	20.02	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.06	20.00	20.05	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.88	20.03	20.06	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.02	19.99	19.97	20.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	20.03	19.99	20.03	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.98	20.10	20.03	20.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	20.02	19.99	19.97	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.88	20.02	19.94	20.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	20.05	20.06	19.95	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.94	20.07	19.92	20.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.95	19.98	19.98	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	19.90	20.09	19.94	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	19.53	19.50	19.51	20.2	0.0
50	PI/2 BPSK	1	135	19.32	19.50	19.39		
50	PI/2 BPSK	1	268	19.21	19.48	19.23		
50	PI/2 BPSK	135	0	19.33	19.51	19.43	20.2	0.0
50	PI/2 BPSK	135	68	19.38	19.43	19.41	20.2	0.0
50	PI/2 BPSK	135	135	19.33	19.42	19.24	20.2	0.0
50	PI/2 BPSK	270	0	19.22	19.37	19.19		
50	QPSK	1	1	19.58	19.62	19.53	20.2	0.0
50	QPSK	1	135	19.30	19.46	19.33		
50	QPSK	1	268	19.28	19.40	19.50		
50	QPSK	135	0	19.25	19.43	19.40	20.2	0.0
50	QPSK	135	68	19.36	19.47	19.43	20.2	0.0
50	QPSK	135	135	19.18	19.29	19.22	20.2	0.0
50	QPSK	270	0	19.37	19.39	19.35		
50	16QAM	1	1	19.13	19.34	19.32	20.2	0.0
50	64QAM	1	1	19.11	19.28	19.23	20.2	0.0
50	256QAM	1	1	19.26	19.39	19.23	20.2	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	19.42	19.59	19.42	20.2	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	19.49	19.48	19.48	20.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	19.41	19.49	19.49	20.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	19.55	19.56	19.49	20.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	19.47	19.54	19.49	20.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	19.54	19.47	19.41	20.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	19.50	19.52	19.43	20.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	19.46	19.50	19.49	20.2	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.69	19.74	19.60	20.2	0.0
40	PI/2 BPSK	1	53	19.53	19.68	19.53		
40	PI/2 BPSK	1	104	19.41	19.68	19.37		
40	PI/2 BPSK	50	0	19.48	19.65	19.62	20.2	0.0
40	PI/2 BPSK	50	28	19.57	19.62	19.68	20.2	0.0
40	PI/2 BPSK	50	56	19.50	19.56	19.52	20.2	0.0
40	PI/2 BPSK	100	0	19.45	19.58	19.47		
40	QPSK	1	1	19.73	19.81	19.66	20.2	0.0
40	QPSK	1	53	19.56	19.64	19.63		
40	QPSK	1	104	19.46	19.58	19.60		
40	QPSK	50	0	19.36	19.62	19.66	20.2	0.0
40	QPSK	50	28	19.54	19.78	19.68	20.2	0.0
40	QPSK	50	56	19.36	19.49	19.44	20.2	0.0
40	QPSK	100	0	19.56	19.63	19.56		
40	16QAM	1	1	19.34	19.61	19.51	20.2	0.0
40	64QAM	1	1	19.32	19.45	19.49	20.2	0.0
40	256QAM	1	1	19.41	19.58	19.39	20.2	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.66	19.68	19.58	20.2	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.63	19.75	19.60	20.2	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.67	19.77	19.56	20.2	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.63	19.67	19.52	20.2	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.70	19.69	19.63	20.2	0.0

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BW [MHz]	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	18.41	18.36	18.34	19.5	0.0
100	PI/2 BPSK	1	137	18.28	18.35	18.32		
100	PI/2 BPSK	1	271	18.09	18.26	18.16		
100	PI/2 BPSK	135	0	18.15	18.39	18.33	19.5	0.0
100	PI/2 BPSK	135	69	18.27	18.34	18.26	19.5	0.0
100	PI/2 BPSK	135	138	18.25	18.29	18.23	19.5	0.0
100	PI/2 BPSK	270	0	18.13	18.25	18.06		
100	QPSK	1	1	18.38	18.46	18.42	19.5	0.0
100	QPSK	1	137	18.17	18.42	18.24		
100	QPSK	1	271	18.29	18.35	18.28		
100	QPSK	135	0	18.09	18.30	18.22	19.5	0.0
100	QPSK	135	69	18.33	18.38	18.29	19.5	0.0
100	QPSK	135	138	18.11	18.26	18.12	19.5	0.0
100	QPSK	270	0	18.31	18.35	18.23		
100	16QAM	1	1	18.10	18.27	18.31	19.5	0.0
100	64QAM	1	1	18.12	18.26	18.25	19.5	0.0
100	256QAM	1	1	18.18	18.27	18.14	19.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.31	18.40	18.29	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.33	18.38	18.36	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.26	18.37	18.34	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.22	18.31	18.25	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.28	18.36	18.28	19.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.22	18.34	18.37	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.27	18.41	18.33	19.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.21	18.31	18.30	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.32	18.33	18.27	19.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.24	18.43	18.33	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.31	18.38	18.28	19.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.24	18.33	18.30	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.26	18.42	18.26	19.5	0.0

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BW [MHz]	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	21.41	21.46	21.38	22.5	0.0
100	PI/2 BPSK	1	137	21.27	21.32	21.21		
100	PI/2 BPSK	1	271	21.11	21.31	21.10		
100	PI/2 BPSK	135	0	21.12	21.31	21.28	22.5	0.0
100	PI/2 BPSK	135	69	21.26	21.36	21.34	22.5	0.0
100	PI/2 BPSK	135	138	21.14	21.30	21.23	22.5	0.0
100	PI/2 BPSK	270	0	21.21	21.25	21.07		
100	QPSK	1	1	21.47	21.49	21.42	22.5	0.0
100	QPSK	1	137	21.20	21.45	21.30		
100	QPSK	1	271	21.22	21.35	21.33		
100	QPSK	135	0	21.16	21.33	21.23	22.5	0.0
100	QPSK	135	69	21.33	21.45	21.32	22.5	0.0
100	QPSK	135	138	21.10	21.20	21.22	22.5	0.0
100	QPSK	270	0	21.25	21.27	21.25		
100	16QAM	1	1	21.05	21.21	21.25	22.5	0.0
100	64QAM	1	1	20.98	21.19	21.23	22.5	0.0
100	256QAM	1	1	20.36	20.46	20.39	22.0	0.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.43	21.45	21.29	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.36	21.41	21.29	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.36	21.38	21.30	22.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.35	21.34	21.30	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.41	21.40	21.37	22.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.43	21.38	21.34	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.38	21.33	21.34	22.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.40	21.37	21.27	22.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.35	21.41	21.32	22.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.38	21.32	21.30	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.31	21.46	21.32	22.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.43	21.32	21.28	22.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.41	21.37	21.39	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.40	19.56	19.39	19.7	0.0
40	PI/2 BPSK	1	53	19.25	19.45	19.23		
40	PI/2 BPSK	1	104	19.22	19.37	19.45		
40	PI/2 BPSK	50	0	19.18	19.37	19.16	19.7	0.0
40	PI/2 BPSK	50	28	19.55	19.50	19.36	19.7	0.0
40	PI/2 BPSK	50	56	19.44	19.32	19.09	19.7	0.0
40	PI/2 BPSK	100	0	19.10	19.35	19.16		
40	QPSK	1	1	19.49	19.58	19.51	19.7	0.0
40	QPSK	1	53	19.45	19.51	19.37		
40	QPSK	1	104	19.33	19.48	19.42		
40	QPSK	50	0	19.17	19.33	19.47	19.7	0.0
40	QPSK	50	28	19.48	19.50	19.49	19.7	0.0
40	QPSK	50	56	19.05	19.37	19.41	19.7	0.0
40	QPSK	100	0	19.15	19.42	19.36		
40	16QAM	1	1	19.21	19.15	19.26	19.7	0.0
40	64QAM	1	1	19.32	19.30	19.00	19.7	0.0
40	256QAM	1	1	19.43	19.45	19.41	19.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.35	19.46	19.52	19.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.43	19.52	19.51	19.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.35	19.51	19.37	19.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	19.45	19.45	19.36	19.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.42	19.50	19.41	19.7	0.0

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BW [MHz]	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	18.61	18.72	18.59	19.5	0.0
100	PI/2 BPSK	1	137	18.40	18.49	18.40		
100	PI/2 BPSK	1	271	18.31	18.42	18.55		
100	PI/2 BPSK	135	0	18.45	18.37	18.21	19.5	0.0
100	PI/2 BPSK	135	69	18.66	18.70	18.57	19.5	0.0
100	PI/2 BPSK	135	138	18.53	18.47	18.34	19.5	0.0
100	PI/2 BPSK	270	0	18.28	18.50	18.25		
100	QPSK	1	1	18.67	18.75	18.64	19.5	0.0
100	QPSK	1	137	18.60	18.72	18.66		
100	QPSK	1	271	18.46	18.65	18.56		
100	QPSK	135	0	18.35	18.48	18.57	19.5	0.0
100	QPSK	135	69	18.49	18.71	18.67	19.5	0.0
100	QPSK	135	138	18.45	18.52	18.50	19.5	0.0
100	QPSK	270	0	18.47	18.64	18.56		
100	16QAM	1	1	18.25	18.47	18.54	19.5	0.0
100	64QAM	1	1	18.45	18.47	18.21	19.5	0.0
100	256QAM	1	1	18.68	18.69	18.67	19.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.58	18.67	18.62	19.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.68	18.63	18.59	19.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.65	18.62	18.69	19.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	18.64	18.63	18.65	19.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	18.66	18.69	18.57	19.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	18.63	18.74	18.53	19.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.68	18.65	18.51	19.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.65	18.63	18.66	19.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.72	18.72	18.51	19.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.60	18.67	18.66	19.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.57	18.69	18.49	19.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	18.55	18.66	18.65	19.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.54	18.62	18.69	19.5	0.0

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BW [MHz]	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	21.77	21.86	21.80	22.5	0.0
100	PI/2 BPSK	1	137	21.50	21.67	21.59		
100	PI/2 BPSK	1	271	21.52	21.58	21.74		
100	PI/2 BPSK	135	0	21.51	21.47	21.44	22.5	0.0
100	PI/2 BPSK	135	69	21.76	21.83	21.69	22.5	0.0
100	PI/2 BPSK	135	138	21.58	21.61	21.39	22.5	0.0
100	PI/2 BPSK	270	0	21.44	21.59	21.39		
100	QPSK	1	1	21.82	21.91	21.87	22.5	0.0
100	QPSK	1	137	21.74	21.88	21.78		
100	QPSK	1	271	21.65	21.83	21.73		
100	QPSK	135	0	21.53	21.55	21.62	22.5	0.0
100	QPSK	135	69	21.65	21.86	21.72	22.5	0.0
100	QPSK	135	138	21.50	21.68	21.56	22.5	0.0
100	QPSK	270	0	21.44	21.76	21.64		
100	16QAM	1	1	21.40	21.45	21.58	22.5	0.0
100	64QAM	1	1	21.55	21.65	21.32	22.5	0.0
100	256QAM	1	1	21.69	21.67	21.78	22.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.65	21.72	21.75	22.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	21.68	21.86	21.72	22.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.72	21.76	21.72	22.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.66	21.86	21.69	22.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.81	21.87	21.87	22.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.81	21.88	21.70	22.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	21.63	21.73	21.70	22.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.65	21.78	21.72	22.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	21.63	21.81	21.87	22.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.79	21.79	21.85	22.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	21.75	21.87	21.76	22.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	21.76	21.79	21.72	22.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	21.81	21.73	21.68	22.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				374000	376000	378000		
Frequency (MHz)				1870	1880	1890		
40	PI/2 BPSK	1	1	19.48	19.51	19.46	20.7	0.0
40	PI/2 BPSK	1	108	19.36	19.45	19.36		
40	PI/2 BPSK	1	214	19.24	19.42	19.24		
40	PI/2 BPSK	108	0	19.29	19.45	19.39	20.7	0.0
40	PI/2 BPSK	108	54	19.36	19.47	19.42	20.7	0.0
40	PI/2 BPSK	108	108	19.31	19.36	19.31		
40	PI/2 BPSK	216	0	19.28	19.41	19.21	20.7	0.0
40	QPSK	1	1	19.53	19.56	19.53	20.7	0.0
40	QPSK	1	108	19.31	19.50	19.39		
40	QPSK	1	214	19.32	19.45	19.45		
40	QPSK	108	0	19.22	19.40	19.39	20.7	0.0
40	QPSK	108	54	19.40	19.51	19.43	20.7	0.0
40	QPSK	108	108	19.16	19.33	19.28		
40	QPSK	216	0	19.41	19.43	19.35	20.7	0.0
40	16QAM	1	1	19.16	19.36	19.38	20.7	0.0
40	64QAM	1	1	19.15	19.30	19.30	20.7	0.0
40	256QAM	1	1	19.23	19.32	19.24	20.7	0.0
Channel				373500	376000	378500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1867.5	1880	1892.5		
35	QPSK	1	1	19.39	19.53	19.47	20.7	0.0
Channel				373000	376000	379000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1865	1880	1895		
30	QPSK	1	1	19.55	19.45	19.53	20.7	0.0
Channel				372500	376000	379500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1862.5	1880	1897.5		
25	QPSK	1	1	19.41	19.47	19.49	20.7	0.0
Channel				372000	376000	380000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1860	1880	1900		
20	QPSK	1	1	19.33	19.37	19.49	20.7	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.44	19.52	19.39	20.7	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.40	19.34	19.50	20.7	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.32	19.34	19.47	20.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	20.71	20.90	20.84	21.7	0.0
50	PI/2 BPSK	1	135	20.65	20.75	20.69		
50	PI/2 BPSK	1	268	20.44	20.65	20.69		
50	PI/2 BPSK	135	0	20.66	20.70	20.58	21.7	0.0
50	PI/2 BPSK	135	68	20.71	20.89	20.76	21.7	0.0
50	PI/2 BPSK	135	135	20.63	20.63	20.57	21.7	0.0
50	PI/2 BPSK	270	0	20.52	20.66	20.51		
50	QPSK	1	1	20.88	20.93	20.86	21.7	0.0
50	QPSK	1	135	20.50	20.73	20.64		
50	QPSK	1	268	20.62	20.77	20.92		
50	QPSK	135	0	20.60	20.69	20.75	21.7	0.0
50	QPSK	135	68	20.80	20.84	20.73	21.7	0.0
50	QPSK	135	135	20.64	20.65	20.43	21.7	0.0
50	QPSK	270	0	20.76	20.81	20.75		
50	16QAM	1	1	20.42	20.75	20.65	21.7	0.0
50	64QAM	1	1	20.42	20.66	20.69	21.7	0.0
50	256QAM	1	1	20.36	20.41	20.32	21.2	0.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	20.79	20.90	20.72	21.7	0.0
Channel				503500	507000	510500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2517.5	2535	2552.5		
35	QPSK	1	1	20.74	20.86	20.73	21.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	20.74	20.85	20.80	21.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	20.81	20.80	20.70	21.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	PI/2 BPSK	1	1	20.80	20.82	20.76	21.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	20.72	20.77	20.77	21.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	20.78	20.81	20.72	21.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	20.75	20.89	20.74	21.7	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	20.00	20.07	20.02	20.7	0.0
40	PI/2 BPSK	1	53	19.70	20.00	19.80		
40	PI/2 BPSK	1	104	19.73	19.83	19.69		
40	PI/2 BPSK	50	0	19.79	19.90	19.95	20.7	0.0
40	PI/2 BPSK	50	28	19.80	19.99	19.91	20.7	0.0
40	PI/2 BPSK	50	56	19.77	19.82	19.68	20.7	0.0
40	PI/2 BPSK	100	0	19.76	19.87	19.70		
40	QPSK	1	1	20.04	20.11	20.07	20.7	0.0
40	QPSK	1	53	19.85	20.00	19.95		
40	QPSK	1	104	19.88	20.01	19.90		
40	QPSK	50	0	19.78	19.84	19.87	20.7	0.0
40	QPSK	50	28	19.81	19.93	19.78	20.7	0.0
40	QPSK	50	56	19.71	19.84	19.81	20.7	0.0
40	QPSK	100	0	19.84	19.90	19.85		
40	16QAM	1	1	19.73	19.74	19.92	20.7	0.0
40	64QAM	1	1	19.55	19.75	19.65	20.7	0.0
40	256QAM	1	1	19.68	19.78	19.66	20.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.85	20.02	19.89	20.7	0.0
Channel				516504	519000	521496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2582.52	2595	2607.48		
25	QPSK	1	1	19.99	19.97	19.90	20.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	19.91	20.06	19.97	20.7	0.0
Channel				515502	519000	522498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.51	2595	2612.49		
15	QPSK	1	1	20.04	19.97	19.96	20.7	0.0
Channel				515004	519000	522996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575.02	2595	2614.98		
10	QPSK	1	1	19.95	19.95	20.05	20.7	0.0

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BW [MHz]	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	18.88	18.91	18.90	20.5	0.0
100	PI/2 BPSK	1	137	18.86	18.85	18.91		
100	PI/2 BPSK	1	271	18.73	19.01	18.81		
100	PI/2 BPSK	135	0	18.88	18.93	18.77	20.5	0.0
100	PI/2 BPSK	135	69	18.88	18.86	18.84	20.5	0.0
100	PI/2 BPSK	135	138	18.92	18.95	18.83	20.5	0.0
100	PI/2 BPSK	270	0	18.85	18.96	18.77		
100	QPSK	1	1	19.05	19.09	18.92	20.5	0.0
100	QPSK	1	137	18.81	18.90	18.78		
100	QPSK	1	271	18.88	18.97	18.84		
100	QPSK	135	0	18.70	18.79	18.90	20.5	0.0
100	QPSK	135	69	19.01	19.05	18.98	20.5	0.0
100	QPSK	135	138	18.64	18.82	18.68	20.5	0.0
100	QPSK	270	0	18.83	18.95	18.75		
100	16QAM	1	1	18.66	18.75	18.88	20.5	0.0
100	64QAM	1	1	18.56	18.76	18.77	20.5	0.0
100	256QAM	1	1	18.84	18.89	18.76	20.5	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	18.92	19.03	18.87	20.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	18.91	18.93	18.96	20.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	18.90	19.08	18.83	20.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.02	19.08	18.88	20.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.08	18.96	18.74	20.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	19.05	19.08	18.81	20.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	18.88	18.96	18.81	20.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	18.95	19.01	18.88	20.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	18.95	18.97	18.83	20.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	18.87	18.94	18.92	20.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	18.86	19.01	18.86	20.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	19.02	18.94	18.96	20.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	18.91	19.03	18.80	20.5	0.0

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BW [MHz]	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	22.07	22.12	22.02	23.5	0.0
100	PI/2 BPSK	1	137	21.85	21.97	21.90		
100	PI/2 BPSK	1	271	21.86	21.89	21.76		
100	PI/2 BPSK	135	0	21.76	22.07	21.97	23.5	0.0
100	PI/2 BPSK	135	69	21.82	21.96	22.03	23.5	0.0
100	PI/2 BPSK	135	138	21.79	21.75	21.73	23.5	0.0
100	PI/2 BPSK	270	0	21.84	21.99	21.72		
100	QPSK	1	1	22.09	22.14	22.04	23.5	0.0
100	QPSK	1	137	21.74	21.99	21.78		
100	QPSK	1	271	21.92	21.94	21.89		
100	QPSK	135	0	21.69	21.80	21.82	23.5	0.0
100	QPSK	135	69	21.92	22.07	22.03	23.5	0.0
100	QPSK	135	138	21.88	21.98	21.91	23.5	0.0
100	QPSK	270	0	22.01	22.03	21.98		
100	16QAM	1	1	21.73	21.83	21.87	23.5	0.0
100	64QAM	1	1	21.65	21.76	21.77	23.5	0.0
100	256QAM	1	1	20.12	20.21	20.16	22.0	1.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	21.95	22.07	21.88	23.5	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.07	22.02	21.86	23.5	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	21.97	21.97	21.82	23.5	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	21.97	21.96	22.03	23.5	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	21.97	22.11	21.93	23.5	0.0
Channel				503700	518598	533496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2518.5	2592.99	2667.48		
45	QPSK	1	1	21.94	22.04	21.87	23.5	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.06	22.00	21.92	23.5	0.0
Channel				502704	518598	534498	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2513.52	2592.99	2672.49		
35	QPSK	1	1	21.94	21.96	22.01	23.5	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.01	22.10	22.05	23.5	0.0
Channel				501702	518598	535500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2508.51	2592.99	2677.5		
25	QPSK	1	1	21.98	22.06	21.86	23.5	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.00	21.93	21.83	23.5	0.0
Channel				500700	518598	536496	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2592.99	2682.48		
15	QPSK	1	1	22.07	22.01	21.95	23.5	0.0
Channel				500202	518598	537000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501.01	2592.99	2685		
10	QPSK	1	1	22.01	22.02	22.01	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	17.66	17.75	17.70	18.5	0.0
40	PI/2 BPSK	1	53	17.59	17.61	17.61		
40	PI/2 BPSK	1	104	17.48	17.57	17.45		
40	PI/2 BPSK	50	0	17.53	17.58	17.58	18.5	0.0
40	PI/2 BPSK	50	28	17.60	17.69	17.66	18.5	0.0
40	PI/2 BPSK	50	56	17.49	17.53	17.55	18.5	0.0
40	PI/2 BPSK	100	0	17.48	17.62	17.45		
40	QPSK	1	1	17.68	17.82	17.72	18.5	0.0
40	QPSK	1	53	17.47	17.77	17.64		
40	QPSK	1	104	17.51	17.66	17.64		
40	QPSK	50	0	17.42	17.59	17.61	18.5	0.0
40	QPSK	50	28	17.61	17.77	17.65	18.5	0.0
40	QPSK	50	56	17.41	17.53	17.47	18.5	0.0
40	QPSK	100	0	17.57	17.65	17.51		
40	16QAM	1	1	17.39	17.62	17.53	18.5	0.0
40	64QAM	1	1	17.33	17.48	17.49	18.5	0.0
40	256QAM	1	1	17.48	17.47	17.47	18.5	0.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.55	17.67	17.61	18.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.57	17.76	17.69	18.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.61	17.77	17.57	18.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.59	17.74	17.57	18.5	0.0

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BW [MHz]	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	15.68	15.72	15.60	16.5	0.0
100	PI/2 BPSK	1	137	15.63	15.63	15.50		
100	PI/2 BPSK	1	271	15.40	15.58	15.41		
100	PI/2 BPSK	135	0	15.46	15.65	15.63	16.5	0.0
100	PI/2 BPSK	135	69	15.52	15.74	15.55	16.5	0.0
100	PI/2 BPSK	135	138	15.56	15.54	15.52	16.5	0.0
100	PI/2 BPSK	270	0	15.51	15.64	15.35		
100	QPSK	1	1	15.72	15.80	15.70	16.5	0.0
100	QPSK	1	137	15.46	15.73	15.63		
100	QPSK	1	271	15.51	15.69	15.66		
100	QPSK	135	0	15.43	15.57	15.59	16.5	0.0
100	QPSK	135	69	15.54	15.71	15.67	16.5	0.0
100	QPSK	135	138	15.33	15.58	15.46	16.5	0.0
100	QPSK	270	0	15.58	15.66	15.59		
100	16QAM	1	1	15.43	15.51	15.58	16.5	0.0
100	64QAM	1	1	15.33	15.44	15.52	16.5	0.0
100	256QAM	1	1	15.42	15.47	15.41	16.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.57	15.76	15.60	16.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	15.55	15.76	15.63	16.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.66	15.71	15.62	16.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.64	15.69	15.62	16.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.62	15.67	15.61	16.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.63	15.68	15.59	16.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	15.62	15.76	15.54	16.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	15.62	15.66	15.56	16.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.57	15.66	15.63	16.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	15.62	15.65	15.66	16.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.60	15.72	15.63	16.5	0.0

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BW [MHz]	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	18.64	18.65	18.70	19.5	0.0
100	PI/2 BPSK	1	137	18.52	18.63	18.61		
100	PI/2 BPSK	1	271	18.40	18.65	18.49		
100	PI/2 BPSK	135	0	18.50	18.59	18.56	19.5	0.0
100	PI/2 BPSK	135	69	18.60	18.66	18.55	19.5	0.0
100	PI/2 BPSK	135	138	18.45	18.63	18.51	19.5	0.0
100	PI/2 BPSK	270	0	18.45	18.56	18.35		
100	QPSK	1	1	18.73	18.76	18.71	19.5	0.0
100	QPSK	1	137	18.56	18.65	18.57		
100	QPSK	1	271	18.48	18.68	18.72		
100	QPSK	135	0	18.44	18.56	18.60	19.5	0.0
100	QPSK	135	69	18.55	18.69	18.63	19.5	0.0
100	QPSK	135	138	18.51	18.58	18.53	19.5	0.0
100	QPSK	270	0	18.57	18.65	18.60		
100	16QAM	1	1	18.34	18.63	18.61	19.5	0.0
100	64QAM	1	1	18.30	18.47	18.56	19.5	0.0
100	256QAM	1	1	18.48	18.48	18.42	19.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.56	18.70	18.59	19.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.63	18.65	18.60	19.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	18.65	18.67	18.60	19.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.59	18.65	18.55	19.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.63	18.73	18.62	19.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.62	18.62	18.64	19.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.59	18.64	18.61	19.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.68	18.69	18.67	19.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.62	18.63	18.60	19.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.65	18.71	18.66	19.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.58	18.66	18.58	19.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.88		16.5	0.0
100	PI/2 BPSK	1	137		15.80			
100	PI/2 BPSK	1	271		15.74			
100	PI/2 BPSK	135	0		15.75		16.5	0.0
100	PI/2 BPSK	135	69		15.77		16.5	0.0
100	PI/2 BPSK	135	138		15.71		16.5	0.0
100	PI/2 BPSK	270	0		15.67			
100	QPSK	1	1		15.91		16.5	0.0
100	QPSK	1	137		15.82			
100	QPSK	1	271		15.71			
100	QPSK	135	0		15.72		16.5	0.0
100	QPSK	135	69		15.83		16.5	0.0
100	QPSK	135	138		15.65		16.5	0.0
100	QPSK	270	0		15.75			
100	16QAM	1	1		15.69		16.5	0.0
100	64QAM	1	1		15.66		16.5	0.0
100	256QAM	1	1		15.65		16.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.76	15.81	15.78	16.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.76	15.80	15.75	16.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.75	15.87	15.66	16.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.74	15.83	15.76	16.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.76	15.81	15.71	16.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.83	15.82	15.79	16.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.84	15.81	15.78	16.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.81	15.84	15.69	16.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.81	15.83	15.73	16.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.77	15.79	15.77	16.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.77	15.87	15.77	16.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.79		19.5	0.0
100	PI/2 BPSK	1	137		18.73			
100	PI/2 BPSK	1	271		18.72			
100	PI/2 BPSK	135	0		18.68		19.5	0.0
100	PI/2 BPSK	135	69		18.83		19.5	0.0
100	PI/2 BPSK	135	138		18.60		19.5	0.0
100	PI/2 BPSK	270	0		18.73			
100	QPSK	1	1		18.84		19.5	0.0
100	QPSK	1	137		18.80			
100	QPSK	1	271		18.74			
100	QPSK	135	0		18.70		19.5	0.0
100	QPSK	135	69		18.79		19.5	0.0
100	QPSK	135	138		18.66		19.5	0.0
100	QPSK	270	0		18.73			
100	16QAM	1	1		18.72		19.5	0.0
100	64QAM	1	1		18.65		19.5	0.0
100	256QAM	1	1		18.56		19.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.72	18.80	18.56	19.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.72	18.78	18.60	19.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.73	18.80	18.62	19.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.71	18.77	18.64	19.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.71	18.78	18.56	19.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.74	18.75	18.58	19.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.73	18.77	18.61	19.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.67	18.69	18.68	19.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.66	18.68	18.66	19.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.68	18.81	18.60	19.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.68	18.74	18.61	19.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		15.12		16.0	0.0
100	PI/2 BPSK	1	137		15.05			
100	PI/2 BPSK	1	271		15.06			
100	PI/2 BPSK	135	0		15.02		16.0	0.0
100	PI/2 BPSK	135	69		15.08		16.0	0.0
100	PI/2 BPSK	135	138		15.02		16.0	0.0
100	PI/2 BPSK	270	0		15.05			
100	QPSK	1	1		15.15		16.0	0.0
100	QPSK	1	137		15.09			
100	QPSK	1	271		15.05			
100	QPSK	135	0		15.06		16.0	0.0
100	QPSK	135	69		15.05		16.0	0.0
100	QPSK	135	138		14.98		16.0	0.0
100	QPSK	270	0		15.04			
100	16QAM	1	1		14.90		16.0	0.0
100	64QAM	1	1		14.87		16.0	0.0
100	256QAM	1	1		14.97		16.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	15.09	15.11	14.99	16.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	15.07	15.06	15.03	16.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	14.98	15.00	14.98	16.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	15.09	15.08	15.10	16.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	15.09	15.03	15.10	16.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	15.00	15.09	14.99	16.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	15.06	14.99	15.00	16.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	15.04	14.98	14.99	16.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	15.06	15.07	15.06	16.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	14.98	15.02	15.09	16.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	15.03	15.05	15.05	16.0	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.91		19.0	0.0
100	PI/2 BPSK	1	137		17.76			
100	PI/2 BPSK	1	271		17.82			
100	PI/2 BPSK	135	0		17.84		19.0	0.0
100	PI/2 BPSK	135	69		17.78		19.0	0.0
100	PI/2 BPSK	135	138		17.76		19.0	0.0
100	PI/2 BPSK	270	0		17.79			
100	QPSK	1	1		17.97		19.0	0.0
100	QPSK	1	137		17.87			
100	QPSK	1	271		17.79			
100	QPSK	135	0		17.77		19.0	0.0
100	QPSK	135	69		17.90		19.0	0.0
100	QPSK	135	138		17.65		19.0	0.0
100	QPSK	270	0		17.88			
100	16QAM	1	1		17.74		19.0	0.0
100	64QAM	1	1		17.71		19.0	0.0
100	256QAM	1	1		17.71		19.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	17.88	17.90	17.89	19.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.84	17.92	17.93	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	17.92	17.89	17.85	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	17.84	17.84	17.84	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.90	17.88	17.85	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	17.92	17.93	17.94	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.89	17.83	17.93	19.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	17.88	17.90	17.81	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.81	17.86	17.85	19.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	17.93	17.81	17.87	19.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.81	17.88	17.84	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.44		16.0	0.0
100	PI/2 BPSK	1	137		15.28			
100	PI/2 BPSK	1	271		15.33			
100	PI/2 BPSK	135	0		15.31		16.0	0.0
100	PI/2 BPSK	135	69		15.42		16.0	0.0
100	PI/2 BPSK	135	138		15.22		16.0	0.0
100	PI/2 BPSK	270	0		15.27			
100	QPSK	1	1		15.46		16.0	0.0
100	QPSK	1	137		15.38			
100	QPSK	1	271		15.42			
100	QPSK	135	0		15.34		16.0	0.0
100	QPSK	135	69		15.43		16.0	0.0
100	QPSK	135	138		15.26		16.0	0.0
100	QPSK	270	0		15.33			
100	16QAM	1	1		15.24		16.0	0.0
100	64QAM	1	1		15.13		16.0	0.0
100	256QAM	1	1		15.24		16.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.30	15.38	15.35	16.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	15.35	15.31	15.34	16.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.36	15.42	15.32	16.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	15.35	15.40	15.34	16.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.36	15.35	15.37	16.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.38	15.30	15.41	16.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.35	15.37	15.30	16.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.43	15.29	15.35	16.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.37	15.40	15.34	16.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.35	15.30	15.42	16.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	15.41	15.36	15.42	16.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.37		19.0	0.0
100	PI/2 BPSK	1	137		18.35			
100	PI/2 BPSK	1	271		18.26			
100	PI/2 BPSK	135	0		18.33		19.0	0.0
100	PI/2 BPSK	135	69		18.31		19.0	0.0
100	PI/2 BPSK	135	138		18.21		19.0	0.0
100	PI/2 BPSK	270	0		18.25			
100	QPSK	1	1		18.39		19.0	0.0
100	QPSK	1	137		18.40			
100	QPSK	1	271		18.25			
100	QPSK	135	0		18.26		19.0	0.0
100	QPSK	135	69		18.34		19.0	0.0
100	QPSK	135	138		18.13		19.0	0.0
100	QPSK	270	0		18.29			
100	16QAM	1	1		18.21		19.0	0.0
100	64QAM	1	1		18.11		19.0	0.0
100	256QAM	1	1		18.21		19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.35	18.27	18.33	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.35	18.33	18.28	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.24	18.36	18.36	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.26	18.34	18.37	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.31	18.25	18.26	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.25	18.32	18.32	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.31	18.28	18.34	19.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	18.36	18.26	18.24	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.27	18.33	18.37	19.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	18.30	18.34	18.30	19.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	18.28	18.30	18.37	19.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	17.58	17.64	17.59	18.5	0.0
40	PI/2 BPSK	1	53	17.49	17.51	17.42		
40	PI/2 BPSK	1	104	17.30	17.53	17.35		
40	PI/2 BPSK	50	0	17.38	17.50	17.53	18.5	0.0
40	PI/2 BPSK	50	28	17.51	17.63	17.52	18.5	0.0
40	PI/2 BPSK	50	56	17.43	17.44	17.45	18.5	0.0
40	PI/2 BPSK	100	0	17.44	17.50	17.32		
40	QPSK	1	1	17.63	17.67	17.57	18.5	0.0
40	QPSK	1	53	17.45	17.65	17.46		
40	QPSK	1	104	17.37	17.55	17.57		
40	QPSK	50	0	17.34	17.44	17.51	18.5	0.0
40	QPSK	50	28	17.46	17.63	17.56	18.5	0.0
40	QPSK	50	56	17.27	17.41	17.43	18.5	0.0
40	QPSK	100	0	17.46	17.48	17.41		
40	16QAM	1	1	17.29	17.49	17.50	18.5	0.0
40	64QAM	1	1	17.27	17.47	17.36	18.5	0.0
40	256QAM	1	1	16.65	16.76	16.71	18.0	0.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	17.58	17.50	17.44	18.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	17.57	17.56	17.50	18.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	17.50	17.51	17.43	18.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	17.49	17.57	17.52	18.5	0.0

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BW [MHz]	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	16.12	16.14	16.07	17.5	0.0
100	PI/2 BPSK	1	137	16.00	16.12	16.02		
100	PI/2 BPSK	1	271	15.86	15.99	15.83		
100	PI/2 BPSK	135	0	15.83	16.09	15.99	17.5	0.0
100	PI/2 BPSK	135	69	15.89	16.02	16.04	17.5	0.0
100	PI/2 BPSK	135	138	15.92	15.92	15.87	17.5	0.0
100	PI/2 BPSK	270	0	15.85	16.01	15.80		
100	QPSK	1	1	16.15	16.21	16.09	17.5	0.0
100	QPSK	1	137	15.92	16.09	15.95		
100	QPSK	1	271	15.89	16.03	16.11		
100	QPSK	135	0	15.83	15.95	16.05	17.5	0.0
100	QPSK	135	69	16.03	16.14	15.97	17.5	0.0
100	QPSK	135	138	15.83	15.95	15.86	17.5	0.0
100	QPSK	270	0	16.05	16.10	15.93		
100	16QAM	1	1	15.73	15.97	15.97	17.5	0.0
100	64QAM	1	1	15.74	15.96	15.92	17.5	0.0
100	256QAM	1	1	15.80	15.87	15.81	17.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.99	16.05	15.92	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.06	16.10	16.01	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.06	16.13	15.96	17.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.11	16.16	16.00	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.05	16.05	15.93	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	15.98	16.09	15.94	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.08	16.06	16.04	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.12	16.06	15.95	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.98	16.15	16.02	17.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.05	16.09	15.92	17.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.11	16.17	15.99	17.5	0.0

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BW [MHz]	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	19.12	19.15	19.13	20.5	0.0
100	PI/2 BPSK	1	137	18.99	19.07	18.98		
100	PI/2 BPSK	1	271	18.89	18.97	18.78		
100	PI/2 BPSK	135	0	18.85	19.04	19.02	20.5	0.0
100	PI/2 BPSK	135	69	18.90	19.13	19.02	20.5	0.0
100	PI/2 BPSK	135	138	18.85	19.00	18.88	20.5	0.0
100	PI/2 BPSK	270	0	18.91	19.00	18.81		
100	QPSK	1	1	19.09	19.22	19.14	20.5	0.0
100	QPSK	1	137	18.85	19.12	19.05		
100	QPSK	1	271	18.96	19.11	18.98		
100	QPSK	135	0	18.84	18.95	19.03	20.5	0.0
100	QPSK	135	69	19.00	19.17	19.06	20.5	0.0
100	QPSK	135	138	18.76	19.05	18.90	20.5	0.0
100	QPSK	270	0	19.06	19.11	18.89		
100	16QAM	1	1	18.71	18.98	18.96	20.5	0.0
100	64QAM	1	1	18.80	18.85	18.83	20.5	0.0
100	256QAM	1	1	18.89	18.85	18.82	20.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	18.98	19.05	18.97	20.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.00	19.18	18.98	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.01	19.12	19.10	20.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.95	19.18	19.08	20.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	18.99	19.07	19.01	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.02	19.19	19.01	20.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.92	19.16	19.00	20.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	18.99	19.09	19.11	20.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.03	19.16	19.02	20.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	18.92	19.16	19.09	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	18.99	19.12	19.07	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		15.98		17.5	0.0
100	PI/2 BPSK	1	137		15.90			
100	PI/2 BPSK	1	271		15.98			
100	PI/2 BPSK	135	0		15.98		17.5	0.0
100	PI/2 BPSK	135	69		16.03		17.5	0.0
100	PI/2 BPSK	135	138		15.80		17.5	0.0
100	PI/2 BPSK	270	0		15.88			
100	QPSK	1	1		16.05		17.5	0.0
100	QPSK	1	137		16.00			
100	QPSK	1	271		15.99			
100	QPSK	135	0		15.93		17.5	0.0
100	QPSK	135	69		16.00		17.5	0.0
100	QPSK	135	138		15.80		17.5	0.0
100	QPSK	270	0		15.89			
100	16QAM	1	1		15.86		17.5	0.0
100	64QAM	1	1		15.78		17.5	0.0
100	256QAM	1	1		15.81		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	15.95	15.88	15.88	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.01	15.99	15.99	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	15.90	15.93	15.98	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.00	16.00	15.95	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	15.96	15.94	15.96	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	15.88	16.00	16.00	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	15.99	15.97	16.00	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	15.99	16.02	15.98	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	15.92	15.89	15.91	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	15.91	15.95	15.91	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.00	15.93	15.90	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.15		20.5	0.0
100	PI/2 BPSK	1	137		19.03			
100	PI/2 BPSK	1	271		18.99			
100	PI/2 BPSK	135	0		19.12		20.5	0.0
100	PI/2 BPSK	135	69		19.06		20.5	0.0
100	PI/2 BPSK	135	138		18.97		20.5	0.0
100	PI/2 BPSK	270	0		19.03			
100	QPSK	1	1		19.19		20.5	0.0
100	QPSK	1	137		19.06			
100	QPSK	1	271		19.04			
100	QPSK	135	0		19.05		20.5	0.0
100	QPSK	135	69		19.12		20.5	0.0
100	QPSK	135	138		19.00		20.5	0.0
100	QPSK	270	0		19.08			
100	16QAM	1	1		19.02		20.5	0.0
100	64QAM	1	1		18.90		20.5	0.0
100	256QAM	1	1		18.93		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.15	19.06	19.09	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.06	19.08	19.13	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.05	19.14	19.05	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.15	19.04	19.07	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.16	19.15	19.12	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.09	19.15	19.03	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.12	19.09	19.05	20.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.04	19.06	19.02	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.02	19.07	19.08	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.15	19.03	19.02	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.10	19.12	19.11	20.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		16.62		18.0	0.0
100	PI/2 BPSK	1	137		16.60			
100	PI/2 BPSK	1	271		16.58			
100	PI/2 BPSK	135	0		16.61		18.0	0.0
100	PI/2 BPSK	135	69		16.56		18.0	0.0
100	PI/2 BPSK	135	138		16.45		18.0	0.0
100	PI/2 BPSK	270	0		16.52			
100	QPSK	1	1		16.67		18.0	0.0
100	QPSK	1	137		16.65			
100	QPSK	1	271		16.53			
100	QPSK	135	0		16.47		18.0	0.0
100	QPSK	135	69		16.59		18.0	0.0
100	QPSK	135	138		16.45		18.0	0.0
100	QPSK	270	0		16.55			
100	16QAM	1	1		16.51		18.0	0.0
100	64QAM	1	1		16.39		18.0	0.0
100	256QAM	1	1		16.37		18.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.55	16.61	16.46	18.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	16.49	16.53	16.43	18.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.46	16.57	16.54	18.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.57	16.59	16.52	18.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	16.58	16.53	16.47	18.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.46	16.55	16.54	18.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	16.49	16.62	16.46	18.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.48	16.54	16.51	18.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	16.56	16.56	16.48	18.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.53	16.58	16.43	18.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	16.55	16.64	16.51	18.0	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.05		21.0	0.0
100	PI/2 BPSK	1	137		19.95			
100	PI/2 BPSK	1	271		19.91			
100	PI/2 BPSK	135	0		20.00		21.0	0.0
100	PI/2 BPSK	135	69		20.04		21.0	0.0
100	PI/2 BPSK	135	138		19.84		21.0	0.0
100	PI/2 BPSK	270	0		19.94			
100	QPSK	1	1		20.12		21.0	0.0
100	QPSK	1	137		20.02			
100	QPSK	1	271		19.95			
100	QPSK	135	0		19.92		21.0	0.0
100	QPSK	135	69		20.10		21.0	0.0
100	QPSK	135	138		19.85		21.0	0.0
100	QPSK	270	0		19.94			
100	16QAM	1	1		19.88		21.0	0.0
100	64QAM	1	1		19.83		21.0	0.0
100	256QAM	1	1		19.89		21.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.98	19.90	19.95	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.88	19.90	19.82	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.87	20.02	19.80	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.84	20.02	19.94	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.00	20.07	19.92	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.79	19.94	19.97	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.93	20.02	19.76	21.0	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.99	19.85	19.92	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.94	20.02	19.80	21.0	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.81	19.89	19.82	21.0	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.79	20.04	19.95	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.88		18.0	0.0
100	PI/2 BPSK	1	137		16.81			
100	PI/2 BPSK	1	271		16.87			
100	PI/2 BPSK	135	0		16.82		18.0	0.0
100	PI/2 BPSK	135	69		16.91		18.0	0.0
100	PI/2 BPSK	135	138		16.72		18.0	0.0
100	PI/2 BPSK	270	0		16.77			
100	QPSK	1	1		16.95		18.0	0.0
100	QPSK	1	137		16.90			
100	QPSK	1	271		16.82			
100	QPSK	135	0		16.84		18.0	0.0
100	QPSK	135	69		16.93		18.0	0.0
100	QPSK	135	138		16.81		18.0	0.0
100	QPSK	270	0		16.88			
100	16QAM	1	1		16.73		18.0	0.0
100	64QAM	1	1		16.73		18.0	0.0
100	256QAM	1	1		16.68		18.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.87	16.90	16.80	18.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.83	16.89	16.80	18.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.92	16.88	16.79	18.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.81	16.82	16.89	18.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.87	16.80	16.82	18.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.79	16.82	16.87	18.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.87	16.82	16.85	18.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.87	16.80	16.81	18.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.89	16.90	16.79	18.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.87	16.90	16.87	18.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.81	16.79	16.92	18.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.17		21.0	0.0
100	PI/2 BPSK	1	137		20.01			
100	PI/2 BPSK	1	271		20.02			
100	PI/2 BPSK	135	0		20.00		21.0	0.0
100	PI/2 BPSK	135	69		20.02		21.0	0.0
100	PI/2 BPSK	135	138		19.95		21.0	0.0
100	PI/2 BPSK	270	0		19.97			
100	QPSK	1	1		20.20		21.0	0.0
100	QPSK	1	137		20.10			
100	QPSK	1	271		20.09			
100	QPSK	135	0		20.05		21.0	0.0
100	QPSK	135	69		20.15		21.0	0.0
100	QPSK	135	138		19.93		21.0	0.0
100	QPSK	270	0		20.09			
100	16QAM	1	1		19.92		21.0	0.0
100	64QAM	1	1		19.88		21.0	0.0
100	256QAM	1	1		19.91		21.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.85	20.01	20.07	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.04	19.97	19.93	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.90	20.06	19.99	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.04	20.11	20.06	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.91	20.02	20.08	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.03	20.09	19.93	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.96	20.04	19.94	21.0	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.02	20.05	20.11	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.87	19.93	20.03	21.0	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.90	20.11	20.10	21.0	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.89	19.96	20.02	21.0	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	20.72	20.89	20.78	22.0	0.0
40	PI/2 BPSK	1	53	20.76	20.81	20.72		
40	PI/2 BPSK	1	104	20.83	20.83	20.75		
40	PI/2 BPSK	50	0	20.76	20.84	20.71	22.0	0.0
40	PI/2 BPSK	50	28	20.84	20.85	20.72	22.0	0.0
40	PI/2 BPSK	50	56	20.71	20.80	20.65	22.0	0.0
40	PI/2 BPSK	100	0	20.75	20.87	20.83		
40	QPSK	1	1	20.87	20.94	20.81	22.0	0.0
40	QPSK	1	53	20.75	20.88	20.71		
40	QPSK	1	104	20.75	20.82	20.70		
40	QPSK	50	0	20.16	20.25	20.14	21.5	0.5
40	QPSK	50	28	20.83	20.85	20.66	22.0	0.0
40	QPSK	50	56	20.15	20.26	20.23	21.5	0.5
40	QPSK	100	0	20.32	20.37	20.31		
40	16QAM	1	1	19.95	20.06	19.93	21.5	0.5
40	64QAM	1	1	18.45	18.49	18.43	20.0	2.0
40	256QAM	1	1	16.81	16.88	16.75	18.0	4.0
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	20.81	20.88	20.73	22.0	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	20.80	20.88	20.71	22.0	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	20.76	20.86	20.66	22.0	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	20.72	20.81	20.76	22.0	0.0

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BW [MHz]	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	13.65	13.26	13.15	14.5	0.0
100	PI/2 BPSK	1	137	13.61	13.15	13.09		
100	PI/2 BPSK	1	271	13.56	13.12	13.13		
100	PI/2 BPSK	135	0	13.49	13.24	13.23	14.5	0.0
100	PI/2 BPSK	135	69	13.62	13.26	13.06	14.5	0.0
100	PI/2 BPSK	135	138	13.53	13.14	13.04	14.5	0.0
100	PI/2 BPSK	270	0	13.66	13.25	12.99		
100	QPSK	1	1	13.69	13.36	13.26	14.5	0.0
100	QPSK	1	137	13.65	13.31	13.22		
100	QPSK	1	271	13.67	13.25	13.21		
100	QPSK	135	0	13.52	13.22	13.11	14.5	0.0
100	QPSK	135	69	13.62	13.29	13.24	14.5	0.0
100	QPSK	135	138	13.52	13.23	13.14	14.5	0.0
100	QPSK	270	0	13.55	13.15	13.21		
100	16QAM	1	1	13.44	13.06	13.10	14.5	0.0
100	64QAM	1	1	13.42	13.08	13.03	14.5	0.0
100	256QAM	1	1	13.59	13.19	13.13	14.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	13.59	13.25	13.18	14.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	13.60	13.32	13.15	14.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	13.52	13.21	13.17	14.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	13.55	13.20	13.22	14.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	13.58	13.27	13.15	14.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	13.59	13.21	13.11	14.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	13.52	13.28	13.17	14.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	13.58	13.24	13.17	14.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	13.55	13.32	13.12	14.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	13.60	13.31	13.17	14.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	13.58	13.32	13.14	14.5	0.0

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BW [MHz]	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	16.60	16.22	16.03	17.5	0.0
100	PI/2 BPSK	1	137	16.49	16.03	16.02		
100	PI/2 BPSK	1	271	16.50	15.96	16.08		
100	PI/2 BPSK	135	0	16.41	16.08	16.13	17.5	0.0
100	PI/2 BPSK	135	69	16.51	16.23	16.00	17.5	0.0
100	PI/2 BPSK	135	138	16.48	16.03	15.88	17.5	0.0
100	PI/2 BPSK	270	0	16.55	16.09	15.90		
100	QPSK	1	1	16.63	16.21	16.20	17.5	0.0
100	QPSK	1	137	16.57	16.17	16.18		
100	QPSK	1	271	16.52	16.10	16.10		
100	QPSK	135	0	16.45	16.08	16.01	17.5	0.0
100	QPSK	135	69	16.57	16.23	16.09	17.5	0.0
100	QPSK	135	138	16.46	16.11	15.98	17.5	0.0
100	QPSK	270	0	16.50	16.09	16.16		
100	16QAM	1	1	16.38	15.97	16.03	17.5	0.0
100	64QAM	1	1	16.26	15.93	15.90	17.5	0.0
100	256QAM	1	1	16.53	16.09	16.02	17.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	16.48	16.09	16.04	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.50	16.06	16.16	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	16.58	16.15	16.10	17.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	16.46	16.06	16.14	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	16.55	16.05	16.06	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.54	16.05	16.10	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.51	16.05	16.15	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.47	16.09	16.13	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	16.57	16.12	16.06	17.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.50	16.12	16.15	17.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	16.55	16.05	16.14	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		13.89		14.5	0.0
100	PI/2 BPSK	1	137		13.77			
100	PI/2 BPSK	1	271		13.71			
100	PI/2 BPSK	135	0		13.65		14.5	0.0
100	PI/2 BPSK	135	69		13.77		14.5	0.0
100	PI/2 BPSK	135	138		13.73		14.5	0.0
100	PI/2 BPSK	270	0		13.72			
100	QPSK	1	1		13.92		14.5	0.0
100	QPSK	1	137		13.82			
100	QPSK	1	271		13.80			
100	QPSK	135	0		13.78		14.5	0.0
100	QPSK	135	69		13.86		14.5	0.0
100	QPSK	135	138		13.62		14.5	0.0
100	QPSK	270	0		13.72			
100	16QAM	1	1		13.58		14.5	0.0
100	64QAM	1	1		13.60		14.5	0.0
100	256QAM	1	1		13.80		14.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	13.80	13.88	13.86	14.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	13.85	13.86	13.82	14.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	13.85	13.79	13.76	14.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	13.86	13.82	13.88	14.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	13.84	13.82	13.80	14.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	13.79	13.81	13.82	14.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	13.87	13.83	13.83	14.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	13.86	13.77	13.78	14.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	13.78	13.82	13.84	14.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	13.85	13.76	13.78	14.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	13.81	13.88	13.84	14.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.79		17.5	0.0
100	PI/2 BPSK	1	137		16.74			
100	PI/2 BPSK	1	271		16.78			
100	PI/2 BPSK	135	0		16.80		17.5	0.0
100	PI/2 BPSK	135	69		16.78		17.5	0.0
100	PI/2 BPSK	135	138		16.60		17.5	0.0
100	PI/2 BPSK	270	0		16.68			
100	QPSK	1	1		16.84		17.5	0.0
100	QPSK	1	137		16.79			
100	QPSK	1	271		16.78			
100	QPSK	135	0		16.64		17.5	0.0
100	QPSK	135	69		16.82		17.5	0.0
100	QPSK	135	138		16.71		17.5	0.0
100	QPSK	270	0		16.78			
100	16QAM	1	1		16.70		17.5	0.0
100	64QAM	1	1		16.59		17.5	0.0
100	256QAM	1	1		16.60		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.74	16.80	16.76	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.68	16.72	16.70	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.68	16.75	16.77	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.71	16.74	16.76	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.72	16.79	16.67	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.68	16.68	16.72	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.67	16.76	16.80	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.81	16.79	16.73	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.68	16.70	16.69	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.81	16.80	16.70	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.67	16.73	16.70	17.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		19.22		20.5	0.0
100	PI/2 BPSK	1	137		19.08			
100	PI/2 BPSK	1	271		19.21			
100	PI/2 BPSK	135	0		19.04		20.5	0.0
100	PI/2 BPSK	135	69		19.13		20.5	0.0
100	PI/2 BPSK	135	138		19.15		20.5	0.0
100	PI/2 BPSK	270	0		19.06			
100	QPSK	1	1		19.28		20.5	0.0
100	QPSK	1	137		19.26			
100	QPSK	1	271		19.12			
100	QPSK	135	0		19.12		20.5	0.0
100	QPSK	135	69		19.24		20.5	0.0
100	QPSK	135	138		19.09		20.5	0.0
100	QPSK	270	0		19.11			
100	16QAM	1	1		18.99		20.5	0.0
100	64QAM	1	1		18.90		20.5	0.0
100	256QAM	1	1		19.08		20.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.18	18.95	18.99	20.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.09	19.03	19.07	20.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.08	19.00	18.94	20.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.12	19.14	18.99	20.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.04	19.09	19.08	20.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.09	19.05	19.09	20.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.99	19.01	19.04	20.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.20	19.09	19.13	20.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.07	19.13	19.00	20.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.16	19.02	19.14	20.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.10	19.06	19.12	20.5	0.0

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BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.86			
100	PI/2 BPSK	1	137		21.73		23.5	0.0
100	PI/2 BPSK	1	271		21.63			
100	PI/2 BPSK	135	0		21.82		23.5	0.0
100	PI/2 BPSK	135	69		21.64		23.5	0.0
100	PI/2 BPSK	135	138		21.68		23.5	0.0
100	PI/2 BPSK	270	0		21.66			
100	QPSK	1	1		21.92			
100	QPSK	1	137		21.79		23.5	0.0
100	QPSK	1	271		21.77			
100	QPSK	135	0		21.73		23.5	0.0
100	QPSK	135	69		21.87		23.5	0.0
100	QPSK	135	138		21.75		23.5	0.0
100	QPSK	270	0		21.81			
100	16QAM	1	1		21.71		23.5	0.0
100	64QAM	1	1		21.65		23.5	0.0
100	256QAM	1	1		20.45		22.0	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.60	21.69	21.77	23.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.65	21.64	21.68	23.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.75	21.66	21.66	23.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.71	21.64	21.85	23.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.79	21.63	21.68	23.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.81	21.69	21.81	23.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.82	21.77	21.68	23.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	21.78	21.84	21.66	23.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.63	21.69	21.84	23.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	21.77	21.79	21.67	23.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	21.73	21.80	21.64	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.88			
100	PI/2 BPSK	1	137		19.76		20.5	0.0
100	PI/2 BPSK	1	271		19.69			
100	PI/2 BPSK	135	0		19.69		20.5	0.0
100	PI/2 BPSK	135	69		19.87		20.5	0.0
100	PI/2 BPSK	135	138		19.65		20.5	0.0
100	PI/2 BPSK	270	0		19.69			
100	QPSK	1	1		19.91			
100	QPSK	1	137		19.80		20.5	0.0
100	QPSK	1	271		19.78			
100	QPSK	135	0		19.75		20.5	0.0
100	QPSK	135	69		19.85		20.5	0.0
100	QPSK	135	138		19.60		20.5	0.0
100	QPSK	270	0		19.78			
100	16QAM	1	1		19.66		20.5	0.0
100	64QAM	1	1		19.64		20.5	0.0
100	256QAM	1	1		19.71		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.77	19.53	19.59	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.68	19.54	19.61	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.72	19.67	19.71	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.82	19.65	19.80	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.64	19.54	19.59	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.77	19.57	19.66	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.68	19.57	19.67	20.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.73	19.69	19.74	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.70	19.66	19.67	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.64	19.53	19.73	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.64	19.53	19.73	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		22.52			
100	PI/2 BPSK	1	137		22.44		23.5	0.0
100	PI/2 BPSK	1	271		22.33			
100	PI/2 BPSK	135	0		22.36		23.5	0.0
100	PI/2 BPSK	135	69		22.44		23.5	0.0
100	PI/2 BPSK	135	138		22.28		23.5	0.0
100	PI/2 BPSK	270	0		22.37			
100	QPSK	1	1		22.59			
100	QPSK	1	137		22.55		23.5	0.0
100	QPSK	1	271		22.55			
100	QPSK	135	0		22.38		23.5	0.0
100	QPSK	135	69		22.51		23.5	0.0
100	QPSK	135	138		22.37		23.5	0.0
100	QPSK	270	0		22.43			
100	16QAM	1	1		22.35		23.5	0.0
100	64QAM	1	1		22.40		23.5	0.0
100	256QAM	1	1		20.93		22.0	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	22.45	22.46	22.26	23.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	22.25	22.35	22.34	23.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	22.45	22.44	22.16	23.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	22.30	22.35	22.25	23.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	22.42	22.30	22.35	23.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	22.39	22.35	22.26	23.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	22.37	22.45	22.25	23.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	22.38	22.54	22.23	23.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	22.28	22.45	22.12	23.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	22.44	22.36	22.28	23.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	22.36	22.48	22.19	23.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				638000	641666	645332		
Frequency (MHz)				3570	3624.99	3679.98		
40	PI/2 BPSK	1	1	19.18	19.24	19.13	20.5	0.0
40	PI/2 BPSK	1	53	19.09	19.17	19.12		
40	PI/2 BPSK	1	104	18.89	19.13	18.95		
40	PI/2 BPSK	50	0	19.00	19.20	19.10	20.5	0.0
40	PI/2 BPSK	50	28	19.01	19.13	19.17	20.5	0.0
40	PI/2 BPSK	50	56	18.95	19.03	19.04	20.5	0.0
40	PI/2 BPSK	100	0	18.94	19.07	18.84		
40	QPSK	1	1	19.22	19.30	19.19	20.5	0.0
40	QPSK	1	53	18.98	19.14	19.13		
40	QPSK	1	104	18.98	19.18	19.19		
40	QPSK	50	0	18.90	19.07	19.09	20.5	0.0
40	QPSK	50	28	19.11	19.24	19.12	20.5	0.0
40	QPSK	50	56	18.91	19.09	19.01	20.5	0.0
40	QPSK	100	0	19.07	19.13	19.07		
40	16QAM	1	1	18.88	19.00	19.12	20.5	0.0
40	64QAM	1	1	18.20	18.27	18.23	20.0	0.5
40	256QAM	1	1	16.64	16.67	16.59	18.0	2.5
Channel				637668	641666	645666	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3565.02	3624.99	3684.99		
30	QPSK	1	1	19.12	19.14	19.06	20.5	0.0
Channel				637334	641666	646000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3560.01	3624.99	3690		
20	QPSK	1	1	19.12	19.17	19.06	20.5	0.0
Channel				637168	641666	646166	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3557.52	3624.99	3692.49		
15	QPSK	1	1	19.11	19.21	19.05	20.5	0.0
Channel				637000	641666	646332	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3555	3624.99	3694.98		
10	QPSK	1	1	19.16	19.27	19.04	20.5	0.0

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BW [MHz]	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	16.05	16.19	16.07	17.5	0.0
100	PI/2 BPSK	1	137	15.95	16.04	15.99		
100	PI/2 BPSK	1	271	15.85	15.97	15.89		
100	PI/2 BPSK	135	0	15.82	16.16	15.99	17.5	0.0
100	PI/2 BPSK	135	69	16.03	16.08	16.04	17.5	0.0
100	PI/2 BPSK	135	138	16.00	15.98	15.97	17.5	0.0
100	PI/2 BPSK	270	0	15.76	16.08	15.82		
100	QPSK	1	1	16.10	16.23	16.16	17.5	0.0
100	QPSK	1	137	15.93	16.11	16.04		
100	QPSK	1	271	15.93	16.10	15.97		
100	QPSK	135	0	15.74	16.03	15.94	17.5	0.0
100	QPSK	135	69	15.98	16.10	15.94	17.5	0.0
100	QPSK	135	138	15.94	16.08	15.92	17.5	0.0
100	QPSK	270	0	16.08	16.14	16.04		
100	16QAM	1	1	15.81	15.94	16.00	17.5	0.0
100	64QAM	1	1	15.71	15.90	15.86	17.5	0.0
100	256QAM	1	1	15.87	15.85	15.83	17.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	15.97	16.09	16.13	17.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	16.01	16.20	16.09	17.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	15.93	16.08	16.03	17.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	15.94	16.18	16.07	17.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	15.95	16.12	16.08	17.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	16.03	16.08	16.01	17.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	16.01	16.09	16.06	17.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	16.05	16.20	16.09	17.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	15.97	16.17	16.12	17.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	16.01	16.13	16.00	17.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	15.97	16.12	16.03	17.5	0.0

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BW [MHz]	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	19.03	19.06	19.08	20.5	0.0
100	PI/2 BPSK	1	137	18.96	19.03	18.97		
100	PI/2 BPSK	1	271	18.83	19.07	18.78		
100	PI/2 BPSK	135	0	18.84	19.00	18.95	20.5	0.0
100	PI/2 BPSK	135	69	18.97	19.12	18.98	20.5	0.0
100	PI/2 BPSK	135	138	18.92	18.92	18.91	20.5	0.0
100	PI/2 BPSK	270	0	18.82	19.07	18.82		
100	QPSK	1	1	19.14	19.19	19.07	20.5	0.0
100	QPSK	1	137	18.93	19.12	18.94		
100	QPSK	1	271	18.85	19.06	19.03		
100	QPSK	135	0	18.76	19.05	19.05	20.5	0.0
100	QPSK	135	69	18.96	19.13	19.09	20.5	0.0
100	QPSK	135	138	18.75	18.92	18.88	20.5	0.0
100	QPSK	270	0	19.06	19.10	18.89		
100	16QAM	1	1	18.72	18.96	18.92	20.5	0.0
100	64QAM	1	1	18.69	18.92	18.96	20.5	0.0
100	256QAM	1	1	18.78	18.97	18.84	20.5	0.0
Channel				649668	656000	662334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3840	3935.01		
90	QPSK	1	1	19.00	19.14	18.98	20.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	19.05	19.04	18.99	20.5	0.0
Channel				649000	656000	663000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3840	3945		
70	QPSK	1	1	19.10	19.12	19.00	20.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	19.01	19.14	18.92	20.5	0.0
Channel				648334	656000	663668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3840	3955.02		
50	QPSK	1	1	19.09	19.06	19.03	20.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	19.00	19.16	19.02	20.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	19.02	19.15	18.95	20.5	0.0
Channel				647500	656000	664500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3840	3967.5		
25	QPSK	1	1	19.06	19.09	18.91	20.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	19.00	19.06	18.98	20.5	0.0
Channel				647168	656000	664834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3840	3972.51		
15	QPSK	1	1	19.04	19.03	19.03	20.5	0.0
Channel				647000	656000	665000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3840	3975		
10	QPSK	1	1	19.07	19.16	18.97	20.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		16.46		17.5	0.0
100	PI/2 BPSK	1	137		16.36			
100	PI/2 BPSK	1	271		16.35			
100	PI/2 BPSK	135	0		16.28		17.5	0.0
100	PI/2 BPSK	135	69		16.34		17.5	0.0
100	PI/2 BPSK	135	138		16.29		17.5	0.0
100	PI/2 BPSK	270	0		16.41			
100	QPSK	1	1		16.50		17.5	0.0
100	QPSK	1	137		16.33			
100	QPSK	1	271		16.33			
100	QPSK	135	0		16.34		17.5	0.0
100	QPSK	135	69		16.47		17.5	0.0
100	QPSK	135	138		16.34		17.5	0.0
100	QPSK	270	0		16.41			
100	16QAM	1	1		16.21		17.5	0.0
100	64QAM	1	1		16.10		17.5	0.0
100	256QAM	1	1		16.30		17.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	16.45	16.42	16.37	17.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	16.45	16.47	16.34	17.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	16.42	16.37	16.42	17.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	16.34	16.36	16.43	17.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	16.37	16.33	16.45	17.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	16.37	16.36	16.34	17.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	16.45	16.39	16.41	17.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	16.40	16.37	16.44	17.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	16.40	16.43	16.46	17.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	16.36	16.44	16.39	17.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	16.34	16.33	16.37	17.5	0.0

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.28		20.5	0.0
100	PI/2 BPSK	1	137		19.30			
100	PI/2 BPSK	1	271		19.20			
100	PI/2 BPSK	135	0		19.21		20.5	0.0
100	PI/2 BPSK	135	69		19.25		20.5	0.0
100	PI/2 BPSK	135	138		19.16		20.5	0.0
100	PI/2 BPSK	270	0		19.17			
100	QPSK	1	1		19.34		20.5	0.0
100	QPSK	1	137		19.27			
100	QPSK	1	271		19.30			
100	QPSK	135	0		19.19		20.5	0.0
100	QPSK	135	69		19.29		20.5	0.0
100	QPSK	135	138		19.09		20.5	0.0
100	QPSK	270	0		19.27			
100	16QAM	1	1		19.21		20.5	0.0
100	64QAM	1	1		19.10		20.5	0.0
100	256QAM	1	1		19.11		20.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.23	19.17	19.10	20.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.19	19.30	19.06	20.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.23	19.18	19.09	20.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.18	19.24	19.12	20.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.20	19.25	19.15	20.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.21	19.26	19.08	20.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.23	19.26	19.13	20.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	19.19	19.24	19.07	20.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.21	19.30	19.16	20.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	19.22	19.30	19.15	20.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	19.21	19.20	19.17	20.5	0.0

Part27O n78 Ant8 ECI5

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		17.12		18.5	0.0
100	PI/2 BPSK	1	137		17.10			
100	PI/2 BPSK	1	271		16.95			
100	PI/2 BPSK	135	0		17.07		18.5	0.0
100	PI/2 BPSK	135	69		17.14		18.5	0.0
100	PI/2 BPSK	135	138		16.94		18.5	0.0
100	PI/2 BPSK	270	0		17.04			
100	QPSK	1	1		17.21		18.5	0.0
100	QPSK	1	137		17.16			
100	QPSK	1	271		17.00			
100	QPSK	135	0		17.03		18.5	0.0
100	QPSK	135	69		17.14		18.5	0.0
100	QPSK	135	138		16.97		18.5	0.0
100	QPSK	270	0		17.00			
100	16QAM	1	1		16.97		18.5	0.0
100	64QAM	1	1		16.91		18.5	0.0
100	256QAM	1	1		16.94		18.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	16.92	17.14	17.05	18.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	17.06	17.04	17.03	18.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	16.88	17.09	17.02	18.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	16.90	17.02	16.91	18.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	17.02	17.07	16.93	18.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	16.97	17.00	17.09	18.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	17.02	17.01	16.90	18.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	16.90	17.03	17.03	18.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	17.09	17.06	16.90	18.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	16.87	17.12	17.02	18.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	17.01	16.96	17.00	18.5	0.0

Part27O n78 PC2 Ant8 ECI5

BW [MHz]	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	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.08		21.5	0.0
100	PI/2 BPSK	1	137		19.96			
100	PI/2 BPSK	1	271		19.87			
100	PI/2 BPSK	135	0		19.93		21.5	0.0
100	PI/2 BPSK	135	69		20.02		21.5	0.0
100	PI/2 BPSK	135	138		19.89		21.5	0.0
100	PI/2 BPSK	270	0		19.89			
100	QPSK	1	1		20.12		21.5	0.0
100	QPSK	1	137		19.95			
100	QPSK	1	271		19.99			
100	QPSK	135	0		19.87		21.5	0.0
100	QPSK	135	69		20.06		21.5	0.0
100	QPSK	135	138		19.87		21.5	0.0
100	QPSK	270	0		19.91			
100	16QAM	1	1		19.85		21.5	0.0
100	64QAM	1	1		19.86		21.5	0.0
100	256QAM	1	1		19.76		21.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	19.97	19.97	19.84	21.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	19.93	20.07	19.84	21.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	19.92	20.05	19.93	21.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	19.96	19.93	19.80	21.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	19.78	20.03	19.84	21.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	19.80	19.89	19.81	21.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	19.87	20.05	20.01	21.5	0.0
Channel				647500	650000	652500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3712.5	3750	3787.5		
25	QPSK	1	1	19.73	20.02	19.79	21.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	19.89	19.98	19.79	21.5	0.0
Channel				647168	650000	652834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3707.52	3750	3792.51		
15	QPSK	1	1	19.76	20.09	19.86	21.5	0.0
Channel				647000	650000	653000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3705	3750	3795		
10	QPSK	1	1	19.74	19.92	19.91	21.5	0.0

Part27Q n78 Ant8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		17.57		18.5	0.0
100	PI/2 BPSK	1	137		17.39			
100	PI/2 BPSK	1	271		17.37			
100	PI/2 BPSK	135	0		17.47		18.5	0.0
100	PI/2 BPSK	135	69		17.50		18.5	0.0
100	PI/2 BPSK	135	138		17.41		18.5	0.0
100	PI/2 BPSK	270	0		17.43			
100	QPSK	1	1		17.60		18.5	0.0
100	QPSK	1	137		17.45			
100	QPSK	1	271		17.44			
100	QPSK	135	0		17.43		18.5	0.0
100	QPSK	135	69		17.52		18.5	0.0
100	QPSK	135	138		17.41		18.5	0.0
100	QPSK	270	0		17.46			
100	16QAM	1	1		17.36		18.5	0.0
100	64QAM	1	1		17.31		18.5	0.0
100	256QAM	1	1		17.35		18.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	17.45	17.38	17.36	18.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	17.34	17.33	17.42	18.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	17.34	17.39	17.27	18.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	17.31	17.34	17.45	18.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	17.42	17.32	17.37	18.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	17.36	17.42	17.42	18.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	17.25	17.45	17.41	18.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	17.24	17.30	17.31	18.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	17.33	17.31	17.29	18.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	17.34	17.31	17.47	18.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	17.29	17.36	17.35	18.5	0.0

Part27Q n78 PC2 Ant8 ECI5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.29		21.5	0.0
100	PI/2 BPSK	1	137		20.12			
100	PI/2 BPSK	1	271		20.06			
100	PI/2 BPSK	135	0		20.12		21.5	0.0
100	PI/2 BPSK	135	69		20.20		21.5	0.0
100	PI/2 BPSK	135	138		20.12		21.5	0.0
100	PI/2 BPSK	270	0		20.07			
100	QPSK	1	1		20.31		21.5	0.0
100	QPSK	1	137		20.23			
100	QPSK	1	271		20.13			
100	QPSK	135	0		20.03		21.5	0.0
100	QPSK	135	69		20.28		21.5	0.0
100	QPSK	135	138		20.14		21.5	0.0
100	QPSK	270	0		20.23			
100	16QAM	1	1		20.19		21.5	0.0
100	64QAM	1	1		20.04		21.5	0.0
100	256QAM	1	1		19.99		21.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.06	20.28	20.05	21.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.19	20.09	20.01	21.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.08	20.21	20.03	21.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.05	20.18	20.18	21.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.15	20.05	20.15	21.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.04	20.16	20.17	21.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.05	20.20	20.12	21.5	0.0
Channel				630834	633334	635834	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3462.51	3500.01	3537.51		
25	QPSK	1	1	20.14	20.17	20.03	21.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.20	20.27	20.11	21.5	0.0
Channel				630500	633334	636168	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500.01	3542.52		
15	QPSK	1	1	20.06	20.11	20.18	21.5	0.0
Channel				630334	633334	636334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455.01	3500.01	3545.01		
10	QPSK	1	1	20.16	20.20	20.03	21.5	0.0

<2.4GHz WLAN>

Ant 17				Full power Hotspot/Body-worn/Extremity		Head Standalone		Head Simultaneous(Non DBSA2065)		Hotspot Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	16.50	19.50	15.41	16.50	10.07	11.00	13.91	15.00	100.00
		6	2437	16.50	20.00	15.87	17.00	10.44	11.50	14.35	15.00	
		11	2462	18.00	19.50	15.71	16.50	10.32	11.00	14.22	15.00	
	802.11g 6Mbps	1	2412	18.70	19.50		16.50		11.00		15.00	99.67
		6	2437	18.70	19.50		16.50		11.00		15.00	
		11	2462	17.40	18.50		16.50		11.00		15.00	
	802.11n-HT20	1	2412	15.60	16.50		16.50		11.00		15.00	99.65
		6	2437	15.67	16.50		16.50		11.00		15.00	
		11	2462	15.67	16.50		16.50		11.00		15.00	
	802.11n-HT40 MCS0	3	2422	13.88	14.50	Not Request	16.50	Not Request	11.00	Not Request	15.00	93.53
		6	2437	16.64	17.50		16.50		11.00		15.00	
		9	2452	16.66	18.50		16.50		11.00		15.00	
	802.11ax-HE20 MCS0	1	2412	15.70	16.50		16.50		11.00		15.00	95.75
		6	2437	17.09	18.50		16.50		11.00		15.00	
		11	2462	15.77	16.50		16.50		11.00		15.00	
	802.11ax-HE40 MCS0	3	2422	13.98	14.50		16.50		11.00		15.00	92.24
		6	2437	16.74	17.50		16.50		11.00		15.00	
		9	2452	13.09	14.00		14.00		11.00		14.00	

Ant 6				Full power Hotspot/Body-worn/Extremity		Head Standalone		Head Simultaneous(Non DBSA2065)		Hotspot Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	15.40	19.50	15.31	16.50	9.87	11.00	13.71	15.00	100.00
		6	2437	16.00	20.00	15.69	17.00	10.20	11.00	14.47	15.00	
		11	2462	18.90	19.50	15.81	16.50	10.37	11.00	14.24	15.00	
	802.11g 6Mbps	1	2412	17.11	18.00		16.50		11.00		15.00	99.67
		6	2437	18.90	19.50		16.50		11.00		15.00	
		11	2462	17.85	18.00		16.50		11.00		15.00	
	802.11n-HT20	1	2412	15.71	16.50		16.50		11.00		15.00	99.65
		6	2437	18.00	18.50		16.50		11.00		15.00	
		11	2462	15.63	16.50		16.50		11.00		15.00	
	802.11n-HT40 MCS0	3	2422	14.78	14.50	Not Request	16.50	Not Request	11.00	Not Request	15.00	93.48
		6	2437	17.00	17.50		16.50		11.00		15.00	
		9	2452	15.29	14.00		14.00		11.00		14.00	
	802.11ax-HE20 MCS0	1	2412	15.81	16.50		16.50		11.00		15.00	96.23
		6	2437	18.10	18.50		16.50		11.00		15.00	
		11	2462	15.73	16.50		16.50		11.00		15.00	
	802.11ax-HE40 MCS0	3	2422	13.88	14.50		16.50		11.00		15.00	92.24
		6	2437	17.12	17.50		16.50		11.00		15.00	
		9	2452	13.39	14.00		14.00		11.00		14.00	

Ant 17+E				Full power Hotspot/Body-worn/Extremity		Head Standalone		Head Simultaneous(Non DBSA2065)		Hotspot Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.46	22.50	18.36		19.50	12.97	14.50	16.81	16.00
		6	2437	22.08	23.00	18.94		20.00	13.32	14.50	17.51	16.00
		11	2462	21.91	22.50	18.76		19.50	13.35	14.00	17.23	18.00
	802.11g 6Mbps	1	2412	20.08	21.00			19.50		14.00		18.00
		6	2437	21.81	22.50			19.50		14.00		18.00
		11	2462	20.39	21.00			19.50		14.00		18.00
	802.11n-HT20	1	2412	18.67	19.50			19.50		14.00		18.00
		6	2437	20.91	21.50			19.50		14.00		18.00
		11	2462	18.66	19.50			19.50		14.00		18.00
	802.11n-HT40 MCS0	3	2422	16.53	17.50	Not Request		19.50	Not Request	14.00	Not Request	18.00
		6	2437	19.83	20.50			19.50		14.00		18.00
		9	2452	18.15	17.00			19.50		14.00		18.00
	802.11ax-HE20 MCS0	1	2412	18.77	19.50			19.50		14.00		18.00
		6	2437	21.01	21.50			19.50		14.00		18.00
		11	2462	18.76	19.50			19.50		14.00		18.00
	802.11ax-HE40 MCS0	3	2422	16.93	17.50			19.50		14.00		18.00
		6	2437	19.94	20.50			19.50		14.00		18.00
		9	2452	18.25	17.00			17.00		14.00		17.00

Ant 5				Full power Body-worn		Head Standalone Hotspot/Extremity Standalone		Head/Hotspot Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.00	18.50		17.00		10.50	96.86
		44	5220	18.20	19.00		17.00		10.50	
		48	5240	17.20	18.00	Not Request	17.00	Not Request	10.50	
	802.11n-HT20 MCS0	36	5180	16.70	17.50		17.00		10.50	96.31
		44	5220	17.00	17.50		17.00		10.50	
		48	5240	17.00	17.50		17.00		10.50	
	802.11n-HT40 MCS0	38	5190	16.80	17.50	16.21	17.00	9.57	10.50	92.66
		46	5230	16.90	17.50	16.25	17.00	9.77	10.50	
	802.11ac-VHT20 MCS0	36	5180	16.90	17.50		17.00		10.50	96.34
		44	5220	17.10	17.50		17.00		10.50	
		48	5240	17.10	17.50		17.00		10.50	
	802.11ac-VHT40 MCS0	38	5190	16.90	17.50		17.00		10.50	92.91
		46	5230	17.00	17.50		17.00		10.50	
	802.11ac-VHT80 MCS0	42	5210	11.48	12.50	Not Request	12.50	Not Request	10.50	87.06
	802.11ax-HE20 MCS0	36	5180	17.30	18.00		17.00		10.50	95.75
		44	5220	17.60	18.50		17.00		10.50	
		48	5240	17.60	18.50		17.00		10.50	
	802.11ax-HE40 MCS0	38	5190	17.05	18.00		17.00		10.50	93.10
		46	5230	16.95	18.50		17.00		10.50	
	802.11ax-HE80 MCS0	42	5210	11.58	12.50		12.50		10.00	86.83

Ant 18				Full power Body-worn/Extremity		Head Standalone Hotspot/Extremity Standalone		Head/Hotspot Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.00	18.50		17.00		10.50	97.21
		44	5220	17.80	18.00		17.00		10.50	
		48	5240	17.20	18.00	Not Request	17.00	Not Request	10.50	
	802.11n-HT20 MCS0	36	5180	16.70	17.50		17.00		10.50	96.31
		44	5220	16.90	17.50		17.00		10.50	
		48	5240	16.70	17.50		17.00		10.50	
	802.11n-HT40 MCS0	38	5190	16.80	17.50	16.27	17.00	9.82	10.50	92.66
		46	5230	16.50	17.50	15.91	17.00	9.61	10.50	
	802.11ac-VHT20 MCS0	36	5180	16.90	17.50		17.00		10.50	96.34
		44	5220	16.90	17.50		17.00		10.50	
		48	5240	16.90	17.50		17.00		10.50	
	802.11ac-VHT40 MCS0	38	5190	16.90	17.50		17.00		10.50	92.91
		46	5230	16.60	17.50		17.00		10.50	
	802.11ac-VHT80 MCS0	42	5210	10.94	12.50	Not Request	12.50	Not Request	10.00	86.98
	802.11ax-HE20 MCS0	36	5180	17.30	18.00		17.00		10.50	95.75
		44	5220	17.40	18.00		17.00		10.50	
		48	5240	17.30	18.00		17.00		10.50	
	802.11ax-HE40 MCS0	38	5190	17.11	18.00		17.00		10.50	92.24
		46	5230	17.00	17.50		17.00		10.50	
	802.11ax-HE80 MCS0	42	5210	11.04	12.50		12.50		10.00	86.90

Ant 5+18				Full power Body-worn/Extremity		Head Standalone Hotspot/Extremity Standalone		Head/Hotspot Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.83	21.50			20.00		97.21
		44	5220	21.06	22.00			20.00		
		48	5240	20.36	21.00	Not Request		20.00	Not Request	
	802.11n-HT20 MCS0	36	5180	19.71	20.50			20.00		96.31
		44	5220	19.91	20.50			20.00		
		48	5240	19.86	20.50			20.00		
	802.11n-HT40 MCS0	38	5190	19.81	20.50	19.24		20.00	12.70	92.66
		46	5230	19.71	20.50	19.08		20.00	12.69	
	802.11ac-VHT20 MCS0	36	5180	19.81	20.50			20.00		96.34
		44	5220	20.01	20.50			20.00		
		48	5240	19.96	20.50			20.00		
	802.11ac-VHT40 MCS0	38	5190	19.91	20.50			20.00		92.91
		46	5230	19.81	20.50			20.00		
	802.11ac-VHT80 MCS0	42	5210	14.23	15.50	Not Request		15.50	Not Request	87.06
	802.11ax-HE20 MCS0	36	5180	20.31	21.00			20.00		95.75
		44	5220	20.51	21.00			20.00		
		48	5240	20.46	21.00			20.00		
	802.11ax-HE40 MCS0	38	5190	20.09	21.00			20.00		93.10
		46	5230	20.86	21.50			20.00		
	802.11ax-HE80 MCS0	42	5210	14.33	15.50			15.50		86.90

Ant 5				Full power Body-worn		Head Standalone Extremity Standalone		Head Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.70	18.50		17.50		11.00	96.86
		60	5300	17.70	18.50		17.50		11.00	
		64	5320	17.80	18.50	Not Request	17.50	Not Request	11.00	
	802.11n-HT20 MCS0	52	5260	17.20	18.00		17.50		11.00	96.31
		60	5300	16.90	17.50		17.50		11.00	
		64	5320	16.90	17.50		17.50		11.00	
	802.11n-HT40 MCS0	54	5270	16.60	17.50	16.47	17.50	10.15	11.00	92.66
		62	5310	16.90	18.00	16.27	17.50	9.97	11.00	
	802.11ac-VHT20 MCS0	52	5260	17.30	18.00		17.50		11.00	96.34
		60	5300	17.00	17.50		17.50		11.00	
		64	5320	17.00	17.50		17.50		11.00	
	802.11ac-VHT40 MCS0	54	5270	17.20	18.00		17.50		11.00	92.91
		62	5310	17.00	17.50		17.50		11.00	
	802.11ac-VHT80 MCS0	58	5290	14.79	15.50		15.50		10.00	87.06
	802.11ax-VHT160 MCS0	50	5250	12.28	13.00	Not Request	13.00	Not Request	11.00	86.98
	802.11ax-HE20 MCS0	52	5260	17.80	18.50		17.50		11.00	95.75
		60	5300	17.50	18.00		17.50		11.00	
		64	5320	17.50	18.50		17.50		11.00	
	802.11ax-HE40 MCS0	54	5270	18.20	19.00		17.50		11.00	93.10
		62	5310	18.00	18.50		17.50		11.00	
	802.11ax-HE80 MCS0	58	5290	14.89	15.50		15.50		10.00	86.83
	802.11ax-HE160 MCS0	50	5250	12.38	13.00		13.00		11.00	86.83

Ant 18				Full power Body-worn		Head Standalone Extremity Standalone		Head Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.60	18.50		17.00		10.50	97.21
		60	5300	17.30	18.00		17.00		10.50	
		64	5320	17.90	18.50	Not Request	17.00	Not Request	10.50	
	802.11n-HT20 MCS0	52	5260	17.10	18.00		17.00		10.50	96.31
		60	5300	16.80	17.50		17.00		10.50	
		64	5320	16.80	17.50		17.00		10.50	
	802.11n-HT40 MCS0	54	5270	16.70	17.50	16.27	17.00	9.88	10.50	92.66
		62	5310	16.70	17.50	16.15	17.00	9.74	10.50	
	802.11ac-VHT20 MCS0	52	5260	17.20	18.00		17.00		10.50	96.34
		60	5300	16.90	17.50		17.00		10.50	
		64	5320	16.90	17.50		17.00		10.50	
	802.11ac-VHT40 MCS0	54	5270	17.00	17.50		17.00		10.50	92.91
		62	5310	16.80	17.50		17.00		10.50	
	802.11ac-VHT80 MCS0	58	5290	14.60	15.50		15.50		10.00	86.98
	802.11ax-VHT160 MCS0	50	5250	11.64	12.50	Not Request	12.50	Not Request	10.50	87.06
	802.11ax-HE20 MCS0	52	5260	17.70	18.50		17.00		10.50	95.75
		60	5300	17.40	18.00		17.00		10.50	
		64	5320	17.40	18.00		17.00		10.50	
	802.11ax-HE40 MCS0	54	5270	18.00	19.00		17.00		10.50	92.24
		62	5310	17.80	18.50		17.00		10.50	
	802.11ax-HE80 MCS0	58	5290	14.70	15.50		15.50		10.00	86.90
	802.11ax-HE160 MCS0	50	5250	11.74	12.50		12.50		10.50	86.83

Ant 5+18				Full power Body-worn		Head Standalone Extremity Standalone		Head Simultaneous(Non DBSA2065)		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	23.71	21.50			20.50		97.21
		60	5300	20.51	21.50			20.50		
		64	5320	20.46	21.50	Not Request		20.50	Not Request	
	802.11n-HT20 MCS0	52	5260	20.16	21.00			20.50		96.31
		60	5300	19.86	20.50			20.50		
		64	5320	19.91	20.50			20.50		
	802.11n-HT40 MCS0	54	5270	20.01	21.00	19.37		20.50	13.02	92.66
		62	5310	19.81	21.00	19.21		20.50	12.86	
	802.11ac-VHT20 MCS0	52	5260	20.25	21.00			20.50		96.34
		60	5300	19.96	20.50			20.50		
		64	5320	20.01	21.00			20.50		
	802.11ac-VHT40 MCS0	54	5270	20.11	21.00			20.50		92.91
		62	5310	19.91	20.50			20.50		
	802.11ac-VHT80 MCS0	58	5290	17.11	18.50			18.50		87.06
	802.11ax-VHT160 MCS0	50	5250	14.98	16.00	Not Request		16.00	Not Request	87.06
	802.11ax-HE20 MCS0	52	5260	20.76	21.50			20.50		95.75
		60	5300	20.46	21.00			20.50		
		64	5320	20.51	21.50			20.50		
	802.11ax-HE40 MCS0	54	5270	21.11	22.00			20.50		93.10
		62	5310	20.91	21.50			20.50		
	802.11ax-HE80 MCS0	58	5290	17.81	18.50			18.50		86.90
	802.11ax-HE160 MCS0	50	5250	15.08	16.00			16.00		86.83

Ant 5				Full power Body-worn		Head Standalone		Head Simultaneous(Non DBSA2065)		Extremity Standalone		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.30	19.00		17.00		10.50		17.00	96.86
		116	5580	18.40	18.50		17.00		10.50		17.00	
		140	5700	17.80	18.50		17.00		10.50		17.00	
	802.11n-HT20 MCS0	100	5500	18.30	19.00		17.00		10.50		17.00	96.31
		116	5580	18.00	18.50		17.00		10.50		17.00	
		140	5700	16.60	17.50		17.00		10.50		17.00	
	802.11n-HT40 MCS0	102	5510	17.50	18.00	Not Request	17.00	Not Request	10.50	16.07	17.00	92.86
		110	5550	17.50	18.00		17.00		10.50	16.99	17.00	
		134	5670	17.70	18.50		17.00		10.50	17.21	18.00	
	802.11ac-VHT20 MCS0	100	5500	18.10	18.50		17.00		10.50		17.00	96.34
		116	5580	18.10	18.50		17.00		10.50		17.00	
		140	5700	17.70	17.50		17.00		10.50		17.00	
	802.11ac-VHT40 MCS0	102	5510	17.50	18.00		17.00		10.50		17.00	92.91
		110	5550	17.50	18.00		17.00		10.50		17.00	
		134	5670	17.50	18.00		17.00		10.50		17.00	
	802.11ac-VHT80 MCS0	106	5530	14.58	14.50	13.55	14.50	8.58	10.50		14.50	87.06
		122	5610	16.40	17.00	16.40	17.00	10.35	11.00		17.00	
		138	5690	16.80	17.00	16.80	17.00	10.77	11.00		17.00	
	802.11ax-VHT160 MCS0	114	5570	11.52	12.50		12.50		10.50		12.50	86.98
	802.11ax-HE20 MCS0	100	5500	18.20	18.50		17.00		10.50		17.00	95.75
		116	5580	18.60	19.00		17.00		10.50		17.00	
		140	5700	18.00	17.50		17.00		10.50		17.00	
	802.11ax-HE40 MCS0	102	5510	18.50	19.00		17.00		10.50		17.00	93.10
		110	5550	18.60	19.00		17.00		10.50		17.00	
		134	5670	18.60	19.00		17.00		10.50		17.00	
	802.11ax-HE80 MCS0	106	5530	13.66	14.50		14.50		10.50		14.50	86.83
		122	5610	16.40	18.50		17.00		10.50		17.00	
		138	5690	15.80	16.00		16.00		10.50		16.00	
	802.11ax-HE160 MCS0	114	5570	11.62	12.50		12.50		10.50		12.50	86.83

Ant 18				Full power Body-worn		Head Standalone		Head Simultaneous(Non DBSA2065)		Extremity Standalone		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.70	18.50		16.00		10.00		17.00	97.21
		116	5580	17.40	18.00		16.00		10.00		17.00	
		140	5700	16.50	17.00		16.00		10.00		17.00	
	802.11n-HT20 MCS0	100	5500	17.00	17.50		16.00		10.00		17.00	96.31
		116	5580	17.00	17.50		16.00		10.00		17.00	
		140	5700	15.17	16.00		16.00		10.00		16.00	
	802.11n-HT40 MCS0	102	5510	17.10	17.50	Not Request	16.00	Not Request	10.00	16.41	17.00	92.86
		110	5550	16.90	18.00		16.00		10.00	16.54	17.50	
		134	5670	16.50	17.50		16.00		10.00	16.53	17.50	
	802.11ac-VHT20 MCS0	100	5500	17.10	18.00		16.00		10.00		17.00	96.34
		116	5580	17.10	18.00		16.00		10.00		17.00	
		140	5700	16.27	16.00		16.00		10.00		16.00	
	802.11ac-VHT40 MCS0	102	5510	16.70	17.00		16.00		10.00		17.00	92.91
		110	5550	17.00	17.50		16.00		10.00		17.00	
		134	5670	17.00	17.50		16.00		10.00		17.00	
	802.11ac-VHT80 MCS0	106	5530	12.87	13.50	12.87	13.50	8.91	9.50		13.50	86.98
		122	5610	15.20	16.00	15.20	16.00	9.20	10.00		16.00	
		138	5690	15.60	16.00	15.60	16.00	9.57	10.00		16.00	
	802.11ax-VHT160 MCS0	114	5570	10.91	11.50		11.50		10.00		11.50	87.06
	802.11ax-HE20 MCS0	100	5500	17.70	18.50		16.00		10.00		17.00	95.75
		116	5580	17.60	18.50		16.00		10.00		17.00	
		140	5700	16.97	17.00		16.00		10.00		17.00	
	802.11ax-HE40 MCS0	102	5510	17.50	18.00		16.00		10.00		17.00	93.10
		110	5550	18.10	19.00		16.00		10.00		17.00	
		134	5670	17.60	18.50		16.00		10.00		17.00	
	802.11ax-HE80 MCS0	106	5530	12.97	13.50		13.50		10.00		13.50	86.98
		122	5610	17.20	18.00		16.00		10.00		17.00	
		138	5690	15.81	16.00		16.00		10.00		16.00	
	802.11ax-HE160 MCS0	114	5570	11.01	12.00		12.00		10.00		12.00	86.83

Ant 5+18				Full power Body-worn		Head Standalone		Head Simultaneous(Non DBSA2065)		Extremity Standalone		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	21.02	22.00		19.50		13.50		20.50	97.21
		116	5580	20.94	21.50		19.50		13.50		20.50	
		140	5700	20.27	21.00		19.50		13.50		20.50	
	802.11n-HT20 MCS0	100	5500	20.37	21.50		19.50		13.50		20.50	96.31
		116	5580	20.54	21.50		19.50		13.50		20.50	
		140	5700	18.97	20.00		19.50		13.50		20.50	
	802.11n-HT40 MCS0	102	5510	20.31	21.00	Not Request	19.50	Not Request	13.50	19.79	20.50	92.86
		110	5550	20.22	21.00		19.50		13.50	19.77	20.50	
		134	5670	20.15	21.00		19.50		13.50	19.99	20.50	
	802.11ac-VHT20 MCS0	100	5500	20.31	21.00		19.50		13.50		20.50	96.34
		116	5580	20.54	21.50		19.50		13.50		20.50	
		140	5700	19.07	20.00		19.50		13.50		20.50	
	802.11ac-VHT40 MCS0	102	5510	20.41	21.00		19.50		13.50		20.50	92.91
		110	5550	20.32	21.00		19.50		13.50		20.50	
		134	5670	20.25	21.00		19.50		13.50		20.50	
	802.11ac-VHT80 MCS0	106	5530	16.23	17.00	16.23	17.00	12.26	13.00		17.00	87.06
		122	5610	18.85	19.50	18.84	19.50	12.81

Mode	Channel	Frequency (MHz)	Ant1?			Ant1? Simultaneous		
			Average power (dBm)			Average power (dBm)		
			1Mbps	2Mbps	3Mbps	1Mbps	2Mbps	3Mbps
BR / EDR	CH00	2402	14.44	11.55	12.06	9.96	7.33	7.25
	CH39	2441	14.53	12.13	12.19	10.06	7.47	7.45
	CH78	2480	14.37	11.73	11.79	9.90	7.18	7.18
Tune-up Limit			15.50	13.00	13.00	11.50	9.00	9.00

BT 4.0

Mode	Channel	Frequency (MHz)	Ant1?
			Average power (dBm)
			GFSK
LE	CH00	2402	7.54
	CH19	2440	7.16
	CH39	2480	6.67
Tune-up Limit			8.50

BT 5.0

Mode	Channel	Frequency (MHz)	Ant1?
			Average power (dBm)
			2Mbps
LE	CH00	2402	7.22
	CH19	2440	7.15
	CH38	2478	6.73
Tune-up Limit			8.50